UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

MEMORANDUM

Date: March 8, 2001

Subject: Contract Laboratory Program Data Review

From: Marvelyn Humphrey, Alternate ESAT RPO, 6MD-HC

To: B. Rhotenberry, 6SF-RA

Site : GULFCO MARINE

Case#: 28927

SDG# : F02KL

The EPA Region 6 Houston Branch ESAT data review team has completed a review of the submitted Contract Laboratory Program (CLP) data package for the referenced site. The samples analyzed and reviewed are detailed in the attached Regional data review report.

The data package is acceptable for regional use. Problems, if any, are listed in the report narrative.

If you have any questions regarding the data review report, please call me at (281) 983-2140.

Attachments
cc: R. Flores, Region 6 CLP/TPO
M. El-Feky, Region 6 Data Coordinator
Files (2)

47001

173871

LOCKHEED MARTIN SERVICES GROUP
ESAT REGION VI
10101 SOUTHWEST FREEWAY, SUITE 500
HOUSTON, TX 77074

MEMORANDUM

DATE: March 7, 2001

TO: Melvin Ritter/Marvelyn Humphrey, ESAT RPO/Alternate RPO, Region VI

FROM: Tom C.H. Chiang, ESAT Team Manager, Region VI

SUBJECT: CLP Data Review

REF: TDF # 6-1103A ESAT # O-2296
ESAT Contract No. 68-D6-0005

Attached is the data review summary for Case # 28927
SDG # F02KL
Site Gulfco Marine

COMMENTS:

I. CONTRACTUAL ASSESSMENT OF THE DATA PACKAGE

A. The hardcopy review detected the following contractually noncompliant item that was confirmed by CCS.

The analysis of VOA samples F05G7DL, F05G8/DL, F05G9/DL, and FGK62DL exceeded the contractual holding time limits by one day (OLM04.2, p. D-19/VOA, sec. 8.3). Sample results are not affected.

B. The hardcopy review detected the following contractually noncompliant items that CCS did not report.

1. VOA samples F05G8DL and F05G9DL have low SMC recoveries, but the analyst failed to perform the contract-required reanalysis (OLM04.2, p. D-45/VOA, sections 11.4.3.1 & 11.4.3.2). Matrix effect does not appear to be the cause of the low SMC recoveries because the original analyses for both samples have acceptable SMC recoveries. This problem caused the qualification of one result for each sample.

LOCKHEED MARTIN SERVICES GROUP
ESAT REGION VI
10101 SOUTHWEST FREEWAY, SUITE 500
HOUSTON, TX 77074

MEMORANDUM

Attached is the data review summary for Case # 28927
SDG # F02KL
Site Gulfco Marine

2. The re-extraction of BNA sample FGK62 exceeded the contractual holding time limit by seven days (OLM04.2, p. D-18/SVOA, sec. 8.4.1). This problem does not cause data qualification.

3. The laboratory performed GPC cleanup on Pest/PCB sample F05G8 but failed to do the same for the associated method blank (OLM04.2, p. D-41/PEST, sec. 10.1.8). This problem does not affect the data usability.

II. TECHNICAL USABILITY ASSESSMENT OF THE DATA PACKAGE

The total number of results reviewed is 1,416 for this data package. Some results were qualified because of technical problems. The significant technical problems are listed below:

A. Several analytes in VOA samples F05G7 and FGK62 have concentrations exceeding the upper calibration limits in the initial analyses but were diluted out in the diluted reanalyses because of method limitations.

B. VOA samples F05G8DL, F05G9DL, and FGK62DL have low SMC recoveries.

C. VOA samples F05G7 and FGK62 have high IS1 areas.

D. BNA sample FGK62 has low surrogate recoveries and inconsistent results with its re-extracted analysis.

E. Field duplicate samples F05G9 and FGK62 have some inconsistent results for all analytical fractions.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099

ORGANIC REGIONAL DATA ASSESSMENT

CASE NO. 28927
LABORATORY CEIMIC
CONTRACT# 68-W-99-065
SDG# F02KL
SOW# SOW OLM04.2
ACCT#150102DJN23 SF#50102DJZ

SITE Gulfco Marine
NO. OF SAMPLES 14
MATRIX Water
REVIEWER (IF NOT ESD) ESAT
REVIEWER'S NAME Tseng-Ying Fan
COMPLETION DATE March 7, 2001

SAMPLE NO.'s:

F02KL	F05G9	FGK80	FGK84	
F05G6	F05H0	FGK81	FGK92	
F05G7	F05H4	FGK82		
F05G8	FGK62	FGK83		

DATA ASSESSMENT SUMMARY

	VOA	BNA	PEST
1. HOLDING TIMES	O	O	O
2. GC/MS TUNE/INSTR. PERFORM.	O	O	O
3. CALIBRATIONS	M	M	O
4. BLANKS	M	O	O
5. SMC/SURROGATES	M	M	O
6. MATRIX SPIKE/DUPLICATE	O	O	O
7. OTHER QC	M	M	M
8. INTERNAL STANDARDS	M	O	N/A
9. COMPOUND ID/QUANTITATION	O	M	M
10. PERFORMANCE/COMPLETENESS	O	O	O
11. OVERALL ASSESSMENT	M	M	M

O = Data had no problems.
M = Data qualified due to major or minor problems.
Z = Data unacceptable.
NA = Not applicable.

ACTION ITEMS:
AREA OF CONCERN: Contractual Issues Six VOA analyses and one BNA sample extraction failed the contractual holding time criteria. The laboratory failed to reanalyze two VOA samples for low SMC recoveries. GPC cleanup was omitted for one Pest/PCB method blank.
Technical Issues Problems in the following QC areas contributed to data qualifications: calibration, field contamination, SMC/surrogate recovery, IS performance, compound quantitation, inconsistent field duplicate results, and inconsistent reanalysis results.
NOTABLE PERFORMANCE:

47004

COMMENTS/CLARIFICATIONS
REGION VI CLP QA REVIEW

CASE 28927 **SDG** F02KL **SITE** Gulfco Marine **LAB** CEIMIC

The following is a summary of sample qualifiers used by Region 6 in reporting this CLP data:

No.	Acceptable	Provisional	Unacceptable
VOA		14	
BNA	4	4	
PEST	4	4	

COMMENTS: This SDG consists of eight water samples for complete RAS organics analysis and six water samples for VOA analysis only by CLP SOW OLM04.2. The OTR/COC Records designated samples F05G9 and FGK62 as field duplicates, samples F02KL and F05H4 as field blanks, and sample FGK82 as the laboratory QC sample. Although the VOA analysis is submitted with this SDG, the BNA and Pest/PCB analyses for field blank sample F02KL are submitted with SDG F05H1. The hardcopy review detected the following contractually noncompliant items.

- The analysis of VOA samples F05G7DL, F05G8/DL, F05G9/DL, and FGK62DL exceeded the contractual holding time limits.
- VOA samples F05G8DL and F05G9DL have low SMC recoveries, but the laboratory failed to reanalyze these samples.
- The extraction of BNA sample FGK62RE exceeded the contractual holding time limit.
- GPC cleanup was omitted for the method blank associated with Pest/PCB sample F05G8.

VOA Samples F05G7, F05G8, F05G9, and FGK62 contain very high concentrations of chlorinated and aromatic compounds and required up to 43000X dilution to bring the compound concentrations within the instrument calibration ranges. Obvious matrix effects caused outlying SMC and IS recoveries for sample F05G7. Samples FGK62 and FGK62DL also had poor IS and/or SMC performance.

BNA Only samples F05G7, F05G8, F05G9, and FGK62 contain target compounds at concentrations above the CRQL's which include benzaldehyde, phenolic compounds, acetophenone, 2,2'-oxybis(1-chloropropane), PAH's, and 1,1'-biphenyl. Sample F05G9 was diluted and reanalyzed because of a high acetophenone concentration. Sample FGK62 was re-extracted because of low surrogate recoveries. However, with a lot more target compounds at much higher concentrations, the re-extracted analysis has dramatically different results than the original analysis. The required dilution also diluted out the surrogates for the reanalysis. The reviewer designated that the original analysis results be used for sample FGK62 because they are more consistent with the results of its field duplicate sample F05G9.

ORGANIC QA REVIEW
CONTINUATION PAGE

CASE 28927 **SDG** F02KL **SITE** Gulfco Marine **LAB** CEIMIC

PEST Samples F05G8, F05G9, and FGK62 required dilution and reanalysis because one target compound in each sample has high peak responses on one or both columns. Sample F05G8 has coeluting matrix interferences that obscured or interfered with the detection of two target compounds, causing inconsistent results between the original and the diluted analyses. Coeluting matrix interferences also caused very high surrogate recoveries in samples F05G8, F05G9, and FGK62.

Some data are provisional for all VOA, four BNA, and four Pest/PCB samples because of problems with calibration, SMC/surrogate recovery, IS performance, field contamination, inconsistent field duplicate results, inconsistent reanalysis results, and/or compound quantitation. The technical usability of all reported results is indicated by ESAT's final data qualifiers in the Data Summary Table (DST). An Evidence Audit was conducted for the Complete Sample Delivery Group File (CSF), and the audit results were documented in the Evidence Inventory Checklist.

NOTE: THE FOLLOWING REVIEW NARRATIVE ADDRESSES BOTH CONTRACTUAL ISSUES (BASED ON THE STATEMENT OF WORK) AND TECHNICAL ISSUES (BASED ON THE NATIONAL FUNCTIONAL GUIDELINES). THE ASSESSMENT MADE FOR EACH QC PARAMETER IS SOLELY BASED ON THE TECHNICAL DATA USABILITY, WHICH MAY NOT NECESSARILY BE AFFECTED BY CONTRACTUAL PROBLEMS. THE ASSESSMENTS ARE DEFINED BELOW.

Acceptable = No results were qualified for any problem associated with this QC parameter.

Provisional = Some results were qualified because of problems associated with this QC parameter.

Unusable = All results are unusable because of major problems associated with this QC parameter.

1. **Holding Times**: Acceptable. The samples met contractual and technical (40 CFR Part 136) holding time criteria with a few exceptions. The analysis of VOA samples F05G7DL, F05G8/DL, F05G9/DL, and FGK62DL exceeded the contractual holding time limits by one day. Since these analyses met the technical holding time criteria, result qualification is unnecessary. BNA sample FGK62RE was extracted seven days past the contractual and technical holding time limits. Since the data for this analysis are not designated for use, the reviewer did not qualify the results.

2. **Tuning/Performance**: Acceptable. BFB and DFTPP analyses met GC/MS tuning criteria. The Pest/PCB analyses met instrument performance guidelines.

47006

ORGANIC QA REVIEW
CONTINUATION PAGE

CASE 28927 **SDG** F02KL **SITE** Gulfco Marine **LAB** CEIMIC

3. Calibrations: Provisional. TCL analytes met contractual calibration criteria. Technical issues are discussed below.

VOA The RRF's are below the technical minimum RRF limit for 1,2-dibromo-3-chloropropane on instrument MS12. Since the raw data demonstrated that the laboratory had no difficulties detecting this analyte at the CRQL, the reviewer did not reject the reported quantitation limits (QL's) for the associated samples. Instead, the reviewer qualified the QL's for 1,2-dibromo-3-chloropropane as estimated and biased low for VOA samples F02KL, F05G6, F05G8, F05H0, F05H4, FGK62, FGK80, FGK81, FGK82, FGK83, FGK84, and FGK92 because of low instrument responses. The RRF's for 1,2-dibromo-3-chloropropane are only marginally below the technical minimum RRF limit on instrument MS17, so the reviewer did not qualify the results for samples F05G7 and F05G9 analyzed on this instrument.

Several analytes in samples F05G7 and FGK62 have concentrations exceeding the upper calibration limits in the initial analyses but were diluted out in the diluted reanalyses because of method limitations. The original analysis results are designated for use for the analytes listed below, but the concentrations are qualified as estimated because they are over the upper calibration limits:

vinyl chloride, 1,1-dichloroethane, cis-1,2-dichloroethene, 1,2-dichloropropane, and toluene in sample F05G7 and

vinyl chloride, 1,1-dichloroethane, 1,2-dichloropropane, 4-methyl-2-pentanone, and toluene in sample FGK62.

The concentrations are far over the upper calibration limits in the initial analysis but are below the CRQL's in the diluted analysis for several analytes for samples F05G7 and FGK62 because of method limitations. The reviewer designated that the diluted reanalysis results below the CRQL's be used for the affected analytes listed below:

1,1-dichloroethene, 1,1,1-trichloroethane, benzene, and tetrachloroethene in sample F05G7DL and

1,1-dichloroethene, benzene, tetrachloroethene, and isopropylbenzene in sample FGK62DL.

BNA The reviewer qualified the concentrations for 2,2'-oxybis(1-chloropropane) as estimated for samples F05G7 and F05G8 because the analyte failed the technical %D calibration criteria.

CASE 28927 **SDG** F02KL **SITE** Gulfco Marine **LAB** CEIMIC

Pest/PCB Samples F05G8 and FGK62 required dilution and reanalysis because the peak response on one column exceeded the contractual limit for endosulfan II and β-BHC, respectively. Since the lower concentrations from the other column were reported for both samples, the original analysis data should be used. Sample F05G9 was diluted and reanalyzed because of high heptachlor epoxide peak responses on both columns. The diluted analysis result should be used for heptachlor epoxide for sample F05G9.

4. **Blanks:** Provisional. The laboratory blanks met contractual QC guidelines.

VOA/BNA The VOA storage blank does not contain any target compounds. Some VOA method blanks contain methylene chloride and/or 1,2,4-trichlorobenzene, and the BNA method blank contains caprolactam at concentrations below the CRQL's. This contamination has no effect on the associated sample data. The laboratory analyzed the required instrument blanks after high concentration VOA samples but failed to submit the data. Carryover contamination does not appear to be a problem, and the laboratory was contacted to submit the omitted data.

Pest/PCB All laboratory blanks are contamination-free. The laboratory performed GPC cleanup on sample F05G8 but failed to do the same for the associated method blank. Since the GPC blank demonstrated that the GPC column was free from target compound contamination, the laboratory oversight does not affect the data usability.

Field Blanks The field blank samples F02KL and F05H4 contain acetone, acetophenone, 4-chloro-3-methylphenol, and di-n-butylphthalate. The contamination levels are below the CRQL's, and the effects of the field contamination are summarized below.

> The acetone results less than the CRQL for VOA samples FGK81, FGK82, and FGK83 should be considered as undetected.
>
> The acetone results above the CRQL for VOA samples F05H0, FGK80, and FGK92 should be considered as undetected, and the reported concentrations should be used as raised QL's (M).

5. **System Monitoring Compounds (SMC's)/Surrogates:** Provisional. Except for those discussed below, the SMC and surrogate recoveries are within the QC limits.

VOA Samples F05G8DL and F05G9DL have low SMC recoveries, but the analyst failed to perform the contract-required reanalyses. Samples FGK62 and FGK62DL also have low SMC recoveries. For the diluted samples, only the results designated for use with

CASE 28927 **SDG** F02KL **SITE** Gulfco Marine **LAB** CEIMIC

7. Other QC:

Field Duplicates: Provisional. The reviewer qualified the results for the following analytes as estimated because of inconsistent field duplicate results:

methylene chloride in VOA samples F05G9DL and FGK62DL;

phenol in BNA samples F05G9 and FGK62; and

α-BHC, β-BHC, γ-BHC, heptachlor epoxide, and endrin in Pest/PCB samples F05G9/DL and FGK62.

8. Internal Standards (IS): Provisional. The internal standard performance met QC criteria with some exceptions for the VOA fraction. The IS1 responses exceeded the QC limits for VOA samples F05G7 and FGK62 but are within the QC limits for the diluted reanalyses probably because the matrix effects were diluted out. The reviewer qualified the concentrations for the following analytes as estimated because of the high IS1 responses:

vinyl chloride, 1,1-dichloroethane, cis/trans-1,2-dichloroethene, and chloroform in sample F05G7 and

vinyl chloride, carbon disulfide, 1,1-dichloroethane, and chloroform in sample FGK62.

9. Compound Identity (ID)/Quantitation: Provisional. Only samples F05G7, F05G8, F05G9, and FGK62 contain target compounds at concentrations above the CRQL's. The reported analytes met compound identification criteria except for one VOA analyte as discussed below.

VOA Samples F05G7, F05G8, F05G9, and FGK62 contain very high concentrations of chlorinated and aromatic compounds and required up to 43000X dilution for analysis. The identification for benzene in sample F05G8 was qualified as tentative because the submitted spectral data failed to support its identification. This qualification is pending laboratory response.

BNA The target compounds detected at concentrations above the CRQL's are benzaldehyde, phenolic compounds, acetophenone, 2,2'-oxybis(1-chloropropane), PAH's, and 1,1'-biphenyl. Sample F05G8 was initially analyzed at a dilution because of high acetophenone, 2,2'-oxybis(1-chloropropane), and naphthalene concentrations. Sample F05G9 was diluted and reanalyzed because of a high acetophenone concentration. Very different results were reported for the original and the re-extracted analyses of sample FGK62. Because of the inconsistencies, the reviewer qualified the results as estimated for acetophenone, naphthalene,

2-methylnaphthalene, 1,1'-biphenyl, and phenanthrene for sample FGK62.

PEST The target compounds detected at concentrations above the CRQL's are BHC's, heptachlor, aldrin, heptachlor epoxide, endrin, endosulfan II, DDT, and/or α-chlordane. GC/MS confirmation is not required. Samples F05G8, F05G9, and FGK62 required dilution and reanalysis because of high pesticide peak responses on one or both columns. The QL's reported by the laboratory for sample F05G8DL were too low by a factor of 2, and the reviewer corrected these errors in the DST. DDT and γ-BHC were reported for the diluted analysis but were not reported for the original analysis of sample F05G8 because coeluting matrix interferences obscured their detection in the original analysis. The diluted analysis results should be used for DDT and γ-BHC. All laboratory "P"-flagged results were qualified as estimated because two column concentrations differed by more than 25%, indicating possible interferences on one or both columns.

10. Performance/Completeness: Acceptable. The data package was incomplete because of omitted VOA instrument blank data. The laboratory was contacted concerning some needed corrections and resubmissions (see Fax Record Log).

11. Overall Assessment: Data are acceptable for four BNA and four Pest/PCB samples.

VOA Some results were qualified for all samples because of problems with calibration, field contamination, SMC and IS performance, and inconsistent field duplicate results.

BNA Some results were qualified for samples F05G7, F05G8, F05G9, and FGK62 because of problems with calibration, surrogate recovery, inconsistent field duplicate results, and inconsistent reanalysis results.

Pest/PCB Some results were qualified for samples F05G7, F05G8, F05G9, and FGK62 because of inconsistent field duplicate results and compound quantitation problems.

47011

ORGANIC DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

U Not detected at reported quantitation limit.

N Identification is tentative.

J Estimated value.

L Reported concentration is below the CRQL.

M Reported concentration should be used as a raised quantitation limit because of interferences and/or laboratory contamination.

R Unusable.

^ High biased. Actual concentration may be lower than the concentration reported.

v Low biased. Actual concentration may be higher than the concentration reported.

F+ A false positive exists.

F- A false negative exists.

B This result may be high biased because of laboratory/field contamination. The reported concentration is above 5X or 10X the concentration reported in the method/field blank.

UJ Estimated quantitation limit.

T Identification is questionable because of absence of other commonly coexisting pesticides.

***** Result not recommended for use because of associated QA/QC performance inferior to that from other analysis.

47012

Rev. 11/99

ORGANIC DATA SUMMARY

Case No. : 28927 SDG : F02KL Reviewer : T. Y. Fan

Laboratory : CEIMIC Matrix : Water Units : ug/L

EPA SAMPLE NUMBER	FGK52		FGK62DL		FGK80		FGK81		FGK82		FGK83		FGK84	
VOLATILE	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
Dichlorodifluoromethane	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
Chloromethane	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
Vinyl Chloride	1100	J	50000	U *	10	U	10	U	10	U	10	U	10	U
Bromomethane	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
Chloroethane	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
Trichlorofluoromethane	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethene	5500	*	32000	LJ	10	U	10	U	10	U	10	U	10	U
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
Acetone	10	U	50000	U *	29	UM	10	U	10	U	10	U	10	U
Carbon Disulfide	48	J	50000	U *	10	U	10	U	10	U	10	U	10	U
Methyl Acetate	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
Methylene Chloride	24000	*	750000	Jv	10	U	10	U	10	U	10	U	10	U
trans-1,2-Dichloroethene	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
Methyl tert-Butyl Ether	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethane	1700	J	50000	U *	10	U	10	U	10	U	10	U	10	U
cis-1,2-Dichloroethene	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
2-Butanone	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
Chloroform	72	J	50000	U *	10	U	10	U	10	U	10	U	10	U
1,1,1-Trichloroethane	30000	*	93000	Jv	10	U	10	U	10	U	10	U	10	U
Cyclohexane	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
Carbon Tetrachloride	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
Benzene	6000	*	18000	LJ	10	U	10	U	10	U	10	U	10	U
1,2-Dichloroethane	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
Trichloroethene	21000	*	53000	Jv	10	U	10	U	10	U	10	U	10	U
Methylcyclohexane	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
1,2-Dichloropropane	1900	J	50000	U *	10	U	10	U	10	U	10	U	10	U
Bromodichloromethane	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
cis-1,3-Dichloropropene	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
4-Methyl-2-pentanone	300	J	50000	U *	10	U	10	U	10	U	10	U	10	U
Toluene	610	J	50000	U *	10	U	10	U	10	U	10	U	10	U
trans-1,3-Dichloropropene	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
1,1,2-Trichloroethane	46		50000	U *	10	U	10	U	10	U	10	U	10	U
Tetrachloroethene	17000	*	29000	LJ	10	U	10	U	10	U	10	U	10	U
2-Hexanone	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
Dibromochloromethane	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
1,2-Dibromoethane	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
Chlorobenzene	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
Ethylbenzene	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
Xylenes (total)	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
Styrene	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
Bromoform	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
Isopropylbenzene	3100	*	24000	LJ	10	U	10	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	16		50000	U *	10	U	10	U	10	U	10	U	10	U
1,3-Dichlorobenzene	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
1,4-Dichlorobenzene	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
1,2-Dichlorobenzene	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
1,2-Dibromo-3-chloropropane	10	UJv	50000	U *	10	UJv	10	UJv	10	UJv	10	UJv	10	UJv
1,2,4-Trichlorobenzene	10	U	50000	U *	10	U	10	U	10	U	10	U	10	U
Volume (ml) :	5		5		5		5		5		5		5	
Dilution Factor :	1		5000		1		1		1		1		1	
Number of TIC's :	6		0		0		1		0		0		0	

Note : For the results listed in the Data Summary Table, ESAT has replaced the laboratory assigned flags with ESAT Organic Data Qualifiers. The ESAT flags indicate the technical usability of the reported results.

Case No. : 28927 SDG : F02KL Reviewer : T. Y. Fan

Laboratory : CEIMIC Matrix : Water Units : ug/L

EPA SAMPLE NUMBER	FGK92		F02KL		F05G6		F05G7		F05G7DL		F05G8		F05G8DL	
VOLATILE	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
Dichlorodifluoromethane	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
Chloromethane	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
Vinyl Chloride	10	U	10	U	10	U	1900	J	50000	U*	17000		430000	U*
Bromomethane	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
Chloroethane	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
Trichlorofluoromethane	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
1,1-Dichloroethene	10	U	10	U	10	U	7700	*	29000	LJ	2000	LJ	430000	U*
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
Acetone	47	UM	5	LJ	10	U	10	U	50000	U*	5000	U	430000	U*
Carbon Disulfide	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
Methyl Acetate	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
Methylene Chloride	10	U	10	U	10	U	21000	*	670000		77000		110000	*
trans-1,2-Dichloroethene	10	U	10	U	10	U	53	J	50000	U*	5000	U	430000	U*
Methyl tert-Butyl Ether	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
1,1-Dichloroethane	10	U	10	U	10	U	1600	J	50000	U*	12000		430000	U*
cis-1,2-Dichloroethene	10	U	10	U	10	U	4900	J	50000	U*	5000	U	430000	U*
2-Butanone	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
Chloroform	10	U	10	U	10	U	79	J	50000	U*	1200	LJ	430000	U*
1,1,1-Trichloroethane	10	U	10	U	10	U	9300	*	12000	LJ	93000		75000	
Cyclohexane	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
Carbon Tetrachloride	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
Benzene	10	U	10	U	2	LJ	1500	*	6200	LJ	5000	U	430000	U*
1,2-Dichloroethane	10	U	10	U	10	U	8100	*	99000		3700000	*	2800000	Jv
Trichloroethene	10	U	10	U	10	U	16000	*	92000		11000		430000	U*
Methylcyclohexane	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
1,2-Dichloropropane	10	U	10	U	10	U	2100	J	50000	U*	5000	U	430000	U*
Bromodichloromethane	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
cis-1,3-Dichloropropene	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
4-Methyl-2-pentanone	10	U	10	U	10	U	170		50000	U*	5000	U	430000	U*
Toluene	10	U	10	U	10	U	590	J	50000	U*	780	LJ	430000	U*
trans-1,3-Dichloropropene	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
1,1,2-Trichloroethane	10	U	10	U	10	U	35		50000	U*	5000	U	430000	U*
Tetrachloroethene	10	U	10	U	10	U	9200	*	22000	LJ	3400	LJ	430000	U*
2-Hexanone	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
Dibromochloromethane	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
1,2-Dibromoethane	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
Chlorobenzene	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
Ethylbenzene	10	U	10	U	10	U	40		50000	U*	5000	U	430000	U*
Xylenes (total)	10	U	10	U	10	U	130		50000	U*	5000	U	430000	U*
Styrene	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
Bromoform	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
Isopropylbenzene	10	U	10	U	4	LJ	120		50000	U*	1600	LJ	430000	U*
1,1,2,2-Tetrachloroethane	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
1,3-Dichlorobenzene	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
1,4-Dichlorobenzene	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
1,2-Dichlorobenzene	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
1,2-Dibromo-3-chloropropane	10	UJv	10	UJv	10	UJv	10	U	50000	U*	5000	UJv	430000	U*
1,2,4-Trichlorobenzene	10	U	10	U	10	U	10	U	50000	U*	5000	U	430000	U*
Volume (ml) :	5		5		5		5		5		5		5	
Dilution Factor :	1		1		1		1		5000		500		43000	
Number of TIC's :	1		0		0		24		0		0		0	

Note : For the results listed in the Data Summary Table, ESAT has replaced the laboratory assigned flags with ESAT Organic Data Qualifiers. The ESAT flags indicate the technical usability of the reported results.

ORGANIC DATA SUMMARY

Case No. : 28927 SDG : F02KL Reviewer : T. Y. Fan

Laboratory : CEIMIC Matrix : Water Units : ug/L

EPA SAMPLE NUMBER	F05G9		F05G9DL		F05H0		F05H4	
VOLATILE	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
Dichlorodifluoromethane	5000	U	50000	U *	10	U	10	U
Chloromethane	5000	U	50000	U *	10	U	10	U
Vinyl Chloride	1600	LJ	50000	U *	10	U	10	U
Bromomethane	5000	U	50000	U *	10	U	10	U
Chloroethane	5000	U	50000	U *	10	U	10	U
Trichlorofluoromethane	5000	U	50000	U *	10	U	10	U
1,1-Dichloroethene	30000		19000	U *	10	U	10	U
1,1,2-Trichloro-1,2,2-trifluoroethane	5000	U	50000	U *	10	U	10	U
Acetone	5000	U	50000	U *	28	UM	4	LJ
Carbon Disulfide	5000	U	50000	U *	10	U	10	U
Methyl Acetate	5000	U	50000	U *	10	U	10	U
Methylene Chloride	750000	*	450000	Jv	10	U	10	U
trans-1,2-Dichloroethene	5000	U	50000	U *	10	U	10	U
Methyl tert-Butyl Ether	5000	U	50000	U *	10	U	10	U
1,1-Dichloroethane	5000	U	50000	U *	10	U	10	U
cis-1,2-Dichloroethene	5000	U	50000	U *	10	U	10	U
2-Butanone	5000	U	50000	U *	10	U	10	U
Chloroform	5000	U	50000	U *	10	U	10	U
1,1,1-Trichloroethane	83000		49000	*	10	U	10	U
Cyclohexane	5000	U	50000	U *	10	U	10	U
Carbon Tetrachloride	5000	U	50000	U *	10	U	10	U
Benzene	16000		9600	*	10	U	10	U
1,2-Dichloroethane	9700		50000	U *	10	U	10	U
Trichloroethene	49000		31000	*	10	U	10	U
Methylcyclohexane	5000	U	50000	U *	10	U	10	U
1,2-Dichloropropane	5000	U	50000	U *	10	U	10	U
Bromodichloromethane	5000	U	50000	U *	10	U	10	U
cis-1,3-Dichloropropene	5000	U	50000	U *	10	U	10	U
4-Methyl-2-pentanone	5000	U	50000	U *	10	U	10	U
Toluene	5000	U	50000	U *	10	U	10	U
trans-1,3-Dichloropropene	5000	U	50000	U *	10	U	10	U
1,1,2-Trichloroethane	5000	U	50000	U *	10	U	10	U
Tetrachloroethene	25000		15000	*	10	U	10	U
2-Hexanone	5000	U	50000	U *	10	U	10	U
Dibromochloromethane	5000	U	50000	U *	10	U	10	U
1,2-Dibromoethane	5000	U	50000	U *	10	U	10	U
Chlorobenzene	5000	U	50000	U *	10	U	10	U
Ethylbenzene	5000	U	50000	U *	10	U	10	U
Xylenes (total)	5000	U	50000	U *	10	U	10	U
Styrene	5000	U	50000	U *	10	U	10	U
Bromoform	5000	U	50000	U *	10	U	10	U
Isopropylbenzene	22000		11000	*	10	U	10	U
1,1,2,2-Tetrachloroethane	5000	U	50000	U *	10	U	10	U
1,3-Dichlorobenzene	5000	U	50000	U *	10	U	10	U
1,4-Dichlorobenzene	5000	U	50000	U *	10	U	10	U
1,2-Dichlorobenzene	5000	U	50000	U *	10	U	10	U
1,2-Dibromo-3-chloropropane	5000	U	50000	U *	10	UJv	10	UJv
1,2,4-Trichlorobenzene	5000	U	50000	U *	10	U	10	U
Volume (ml) :	5		5		5		5	
Dilution Factor :	500		5000		1		1	
Number of TIC's :	2		0		0		0	

Note : For the results listed in the Data Summary Table, ESAT has replaced the laboratory assigned flags with ESAT Organic Data Qualifiers. The ESAT flags indicate the technical usability of the reported results.

ORGANIC DATA SUMMARY

Case No. : 28927 SDG : F02KL Reviewer : T. Y. Fan

Laboratory : CEIMIC Matrix : Water Units : ug/L

EPA SAMPLE NUMBER	FGK62		FGK62RE		FGK82		FGK83		F05G6		F05G7		F05G8	
SEMIVOLATILE	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
Benzaldehyde	10	UJv	100	U *	10	U	10	U	10	U	10	U	56	
Phenol	24	J	100	U *	10	U	10	U	10	U	42		51	
bis-(2-Chloroethyl) ether	10	UJv	100	U *	10	U	10	U	10	U	10	U	31	LJ
2-Chlorophenol	10	U	100	U *	10	U	10	U	10	U	10	U	50	U
2-Methylphenol	4	LJ	100	U *	10	U	10	U	10	U	29		27	LJ
2,2'-oxybis(1-Chloropropane)	10	UJv	100	U *	10	U	1	LJ	10	U	23	J	380	J
Acetophenone	64	JV	160	*	10	U	10	U	10	U	23		120	
4-Methylphenol	8	LJ	100	U *	10	U	10	U	10	U	41		42	LJ
N-Nitroso-di-n-propylamine	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
Hexachloroethane	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
Nitrobenzene	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
Isophorone	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
2-Nitrophenol	10	U	100	U *	10	U	10	U	10	U	10	U	50	U
2,4-Dimethylphenol	10	U	100	U *	10	U	10	U	10	U	10	U	50	U
bis(2-Chloroethoxy)methane	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
2,4-Dichlorophenol	10	U	100	U *	10	U	10	U	10	U	10	U	50	U
Naphthalene	5	LJv	430	*	10	U	10	U	10	U	12		230	
4-Chloroaniline	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
Hexachlorobutadiene	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
Caprolactam	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
4-Chloro-3-methylphenol	10	U	100	U *	10	U	10	U	10	U	10	U	50	U
2-Methylnaphthalene	1	LJv	310	*	10	U	10	U	10	U	2	LJ	56	
Hexachlorocyclopentadiene	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
2,4,6-Trichlorophenol	10	U	100	U *	10	U	10	U	10	U	10	U	50	U
2,4,5-Trichlorophenol	25	U	250	U *	25	U	25	U	25	U	25	U	130	U
1,1'-Biphenyl	10	UJv	100	*	10	U	10	U	10	U	10	U	8	LJ
2-Chloronaphthalene	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
2-Nitroaniline	25	UJv	250	U *	25	U	25	U	25	U	25	U	130	U
Dimethylphthalate	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
2,6-Dinitrotoluene	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
Acenaphthylene	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
3-Nitroaniline	25	UJv	250	U *	25	U	25	U	25	U	25	U	130	U
Acenaphthene	10	UJv	43	*	10	U	10	U	10	U	10	U	15	LJ
2,4-Dinitrophenol	25	U	250	U *	25	U	25	U	25	U	25	U	130	U
4-Nitrophenol	25	U	250	U *	25	U	25	U	25	U	25	U	130	U
Dibenzofuran	10	UJv	100	U *	10	U	10	U	10	U	10	U	8	LJ
2,4-Dinitrotoluene	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
Diethylphthalate	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
Fluorene	10	UJv	83	*	10	U	10	U	10	U	10	U	12	LJ
4-Chlorophenyl-phenyl ether	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
4-Nitroaniline	25	UJv	250	U *	25	U	25	U	25	U	25	U	130	U
4,6-Dinitro-2-methylphenol	25	U	250	U *	25	U	25	U	25	U	25	U	130	U
N-Nitrosodiphenylamine	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
4-Bromophenyl-phenylether	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
Hexachlorobenzene	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
Atrazine	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
Pentachlorophenol	25	U	250	U *	25	U	25	U	25	U	25	U	130	U
Phenanthrene	10	UJv	240	*	10	U	10	U	3	LJ	10	U	34	LJ
Anthracene	10	UJv	100	U *	10	U	10	U	10	U	10	U	7	LJ
Carbazole	10	UJv	100	U *	10	U	10	U	10	U	10	U	37	LJ
Di-n-butylphthalate	10	UJv	100	U *	10	U	10	U	1	LJ	10	U	50	U
Fluoranthene	10	UJv	39	*	10	U	10	U	1	LJ	10	U	11	LJ
Pyrene	10	UJv	56	*	10	U	10	U	2	LJ	10	U	15	LJ
Butylbenzylphthalate	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U

Note : For the results listed in the Data Summary Table, ESAT has replaced the laboratory assigned flags with ESAT Organic Data Qualifiers. The ESAT flags indicate the technical usability of the reported results.

ORGANIC DATA SUMMARY

Case No. : 28927 SDG : F02KL Reviewer : T. Y. Fan

Laboratory : CEIMIC Matrix : Water Units : ug/L

EPA SAMPLE NUMBER	FGK62		FGK62RE		FGK82		FGK83		F05G6		F05G7		F05G8	
SEMIVOLATILE	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
3,3'-Dichlorobenzidine	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
Benzo(a)anthracene	10	UJv	17	*	10	U	10	U	10	U	10	U	50	U
Chrysene	10	UJv	41	*	10	U	10	U	1	UJ	10	U	10	UJ
bis(2-Ethylhexyl)phthalate	10	UJv	66	*	10	U	10	U	10	U	10	U	50	U
Di-n-octylphthalate	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
Benzo(b)fluoranthene	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
Benzo(k)fluoranthene	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
Benzo(a)pyrene	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
Indeno(1,2,3-cd)pyrene	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
Dibenzo(a,h)anthracene	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
Benzo(g,h,i)perylene	10	UJv	100	U *	10	U	10	U	10	U	10	U	50	U
Volume (ml) :	1000		1000		1000		1000		1000		1000		1000	
Dilution Factor :	1		10		1		1		1		1		5	
Number of TIC's :	22		15		1		2		19		30		21	

Note : For the results listed in the Data Summary Table, ESAT has replaced the laboratory assigned flags with ESAT *Organic Data Qualifiers*. The ESAT flags indicate the technical usability of the reported results.

ORGANIC DATA SUMMARY

Case No. : 28927 SDG : F02KL Reviewer : T. Y. Fan

Laboratory : CEIMIC Matrix : Water Units : ug/L

EPA SAMPLE NUMBER	F05G9		F05G9DL		F05H4	
SEMIVOLATILE	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
Benzaldehyde	10	U	20	U *	10	U
Phenol	46	J	42	*	10	U
bis-(2-Chloroethyl) ether	10	U	20	U *	10	U
2-Chlorophenol	10	U	20	U *	10	U
2-Methylphenol	7	LJ	5	*	10	U
2,2'-oxybis(1-Chloropropane)	10	U	20	U *	10	U
Acetophenone	86	*	94		2	LJ
4-Methylphenol	11		9	*	10	U
N-Nitroso-di-n-propylamine	10	U	20	U *	10	U
Hexachloroethane	10	U	20	U *	10	U
Nitrobenzene	10	U	20	U *	10	U
Isophorone	10	U	20	U *	10	U
2-Nitrophenol	10	U	20	U *	10	U
2,4-Dimethylphenol	10	U	20	U *	10	U
bis(2-Chloroethoxy)methane	10	U	20	U *	10	U
2,4-Dichlorophenol	10	U	20	U *	10	U
Naphthalene	8	LJ	7	*	10	U
4-Chloroaniline	10	U	20	U *	10	U
Hexachlorobutadiene	10	U	20	U *	10	U
Caprolactam	3	LJ	20	U *	10	U
4-Chloro-3-methylphenol	10	U	20	U *	8	LJ
2-Methylnaphthalene	1	LJ	20	U *	10	U
Hexachlorocyclopentadiene	10	U	20	U *	10	U
2,4,6-Trichlorophenol	10	U	20	U *	10	U
2,4,5-Trichlorophenol	25	U	50	U *	25	U
1,1'-Biphenyl	1	LJ	20	U *	10	U
2-Chloronaphthalene	10	U	20	U *	10	U
2-Nitroaniline	25	U	50	U *	25	U
Dimethylphthalate	10	U	20	U *	10	U
2,6-Dinitrotoluene	10	U	20	U *	10	U
Acenaphthylene	10	U	20	U *	10	U
3-Nitroaniline	25	U	50	U *	25	U
Acenaphthene	10	U	20	U *	10	U
2,4-Dinitrophenol	25	U	50	U *	25	U
4-Nitrophenol	25	U	50	U *	25	U
Dibenzofuran	10	U	20	U *	10	U
2,4-Dinitrotoluene	10	U	20	U *	10	U
Diethylphthalate	10	U	20	U *	10	U
Fluorene	10	U	20	U *	10	U
4-Chlorophenyl-phenyl ether	10	U	20	U *	10	U
4-Nitroaniline	25	U	50	U *	25	U
4,6-Dinitro-2-methylphenol	25	U	50	U *	25	U
N-Nitrosodiphenylamine	10	U	20	U *	10	U
4-Bromophenyl-phenylether	10	U	20	U *	10	U
Hexachlorobenzene	10	U	20	U *	10	U
Atrazine	10	U	20	U *	10	U
Pentachlorophenol	25	U	50	U *	25	U
Phenanthrene	10	U	20	U *	10	U
Anthracene	10	U	20	U *	10	U
Carbazole	10	U	20	U *	10	U
Di-n-butylphthalate	10	U	20	U *	1	LJ
Fluoranthene	10	U	20	U *	10	U
Pyrene	10	U	20	U *	10	U
Butylbenzylphthalate	10	U	20	U *	10	U

Note : For the results listed in the Data Summary Table, ESAT has replaced the laboratory assigned flags with ESAT Organic Data Qualifiers. The ESAT flags indicate the technical usability of the reported results.

ORGANIC DATA SUMMARY

Case No. : 28927 SDG : F02KL Reviewer : T. Y. Fan

Laboratory : CEIMIC Matrix : Water Units : ug/L

EPA SAMPLE NUMBER	F05G9		F05G9DL		F05H4									
SEMIVOLATILE	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG								
3,3'-Dichlorobenzidine	10	U	20	U *	10	U								
Benzo(a)anthracene	10	U	20	U *	10	U								
Chrysene	10	U	20	U *	10	U								
bis(2-Ethylhexyl)phthalate	10	U	20	U *	10	U								
Di-n-octylphthalate	10	U	20	U *	10	U								
Benzo(b)fluoranthene	10	U	20	U *	10	U								
Benzo(k)fluoranthene	10	U	20	U *	10	U								
Benzo(a)pyrene	10	U	20	U *	10	U								
Indeno(1,2,3-cd)pyrene	10	U	20	U *	10	U								
Dibenzo(a,h)anthracene	10	U	20	U *	10	U								
Benzo(g,h,i)perylene	10	U	20	U *	10	U								
Volume (ml) :	1000		1000		1000									
Dilution Factor :	1		2		1									
Number of TIC's :	28		22		2									

Note : For the results listed in the Data Summary Table, ESAT has replaced the laboratory assigned flags with ESAT Organic Data Qualifiers. The ESAT flags indicate the technical usability of the reported results.

ORGANIC DATA SUMMARY

Case No. : 28927 SDG : F02KL Reviewer : T. Y. Fan

Laboratory : CEIMIC Matrix : Water Units : ug/L

EPA SAMPLE NUMBER	FGK62		FGK62DL		FGK82		FGK83		F05G6		F05G7		F05G8	
PESTICIDES/PCBs	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
alpha-BHC	0.34	J	0.50	U *	0.050	U	0.050	U	0.050	U	0.48	J	0.050	U
beta-BHC	0.25	J	0.50	U *	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
delta-BHC	0.060	J	0.50	U *	0.050	U	0.050	U	0.050	U	0.092	J	0.050	U
gamma-BHC (Lindane)	0.21	J	0.50	U *	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U *
Heptachlor	0.17		0.50	U *	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Aldrin	0.099	J	0.50	U *	0.050	U	0.050	U	0.050	U	0.085	J	0.050	U
Heptachlor epoxide	0.58	J	0.50	U *	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Endosulfan I	0.050	U	0.50	U *	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Dieldrin	0.10	U	1.0	U *	0.10	U	0.10	U	0.10	U	0.10	U	0.19	J
4,4'-DDE	0.10	U	1.0	U *	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Endrin	0.13	J	1.0	U *	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Endosulfan II	0.10	U	1.0	U *	0.10	U	0.10	U	0.10	U	0.10	U	0.42	J
4,4'-DDD	0.10	U	1.0	U *	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Endosulfan sulfate	0.10	U	1.0	U *	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDT	0.10	U	1.0	U *	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U *
Methoxychlor	0.50	U	5.0	U *	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Endrin ketone	0.10	U	1.0	U *	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Endrin aldehyde	0.10	U	1.0	U *	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
alpha-Chlordane	0.050	U	0.50	U *	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
gamma-Chlordane	0.050	U	0.50	U *	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Toxaphene	5.0	U	50	U *	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Aroclor-1016	1.0	U	10	U *	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1221	2.0	U	20	U *	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Aroclor-1232	1.0	U	10	U *	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1242	1.0	U	10	U *	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1248	1.0	U	10	U *	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1254	1.0	U	10	U *	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1260	1.0	U	10	U *	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Volume (ml) :	1000		1000		1000		1000		1000		1000		1000	
Dilution Factor :	1		10		1		1		1		1		1	

Note : For the results listed in the Data Summary Table, ESAT has replaced the laboratory assigned flags with ESAT Organic Data Qualifiers. The ESAT flags indicate the technical usability of the reported results.

ORGANIC DATA SUMMARY

Case No. : 28927 SDG : F02KL Reviewer : T. Y. Fan

Laboratory : CEIMIC Matrix : Water Units : ug/L

EPA SAMPLE NUMBER	F05G8DL		F05G9		F05G9DL		F05H4	
			G-W-5				G-W-22	
PESTICIDES/PCBs	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
alpha-BHC	0.50	U *	0.050	UJ	0.50	U *	0.050	U
beta-BHC	0.50	U *	0.75	J	0.73	*	0.050	U
delta-BHC	0.50	U *	0.050	U	0.50	U *	0.050	U
gamma-BHC (Lindane)	0.59	J	0.33	J	0.50	U *	0.050	U
Heptachlor	0.50	U *	0.15	J	0.50	U *	0.050	U
Aldrin	0.50	U *	0.096	J	0.50	U *	0.050	U
Heptachlor epoxide	0.50	U *	1.3	*	1.5	J	0.050	U
Endosulfan I	0.50	U *	0.050	U	0.50	U *	0.050	U
Dieldrin	1.0	U *	0.10	U	1.0	U *	0.10	U
4,4'-DDE	1.0	U *	0.10	U	1.0	U *	0.10	U
Endrin	1.0	U *	0.32	J	1.0	U *	0.10	U
Endosulfan II	1.0	U *	0.10	U	1.0	U *	0.10	U
4,4'-DDD	1.0	U *	0.10	U	1.0	U *	0.10	U
Endosulfan sulfate	1.0	U *	0.10	U	1.0	U *	0.10	U
4,4'-DDT	1.4	J	0.10	U	1.0	U *	0.10	U
Methoxychlor	5.0	U *	0.50	U	5.0	U *	0.50	U
Endrin ketone	1.0	U *	0.10	U	1.0	U *	0.10	U
Endrin aldehyde	1.0	U *	0.10	U	1.0	U *	0.10	U
alpha-Chlordane	0.50	U *	0.053		0.50	U *	0.050	U
gamma-Chlordane	0.50	U *	0.050	U	0.50	U *	0.050	U
Toxaphene	50	U *	5.0	U	50	U *	5.0	U
Aroclor-1016	10	U *	1.0	U	10	U *	1.0	U
Aroclor-1221	20	U *	2.0	U	20	U *	2.0	U
Aroclor-1232	10	U *	1.0	U	10	U *	1.0	U
Aroclor-1242	10	U *	1.0	U	10	U *	1.0	U
Aroclor-1248	10	U *	1.0	U	10	U *	1.0	U
Aroclor-1254	10	U *	1.0	U	10	U *	1.0	U
Aroclor-1260	10	U *	1.0	U	10	U *	1.0	U
Volume (ml) :	1000		1000		1000		1000	
Dilution Factor :	10		1		10		1	

Note : For the results listed in the Data Summary Table, ESAT has replaced the laboratory assigned flags with ESAT Organic Data Qualifiers. The ESAT flags indicate the technical usability of the reported results.

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 28927 SDG No. F02KL SDG Nos. To Follow SAS No. Date Rec 02/20/01

:PA Lab ID: CEIMIC

Lab Location: Narragansett, RI

Region: 6 Audit No.: 28927/F02KL

Re_Submitted CSF? Yes _____ No X

Box No(s): 1

COMMENTS:

Item	Description
7	The SDG No. was omitted on the Form DC-1. The auditor corrected this omission.
8	One Airbill No. recorded on the Form DC-1 differed from the one shown on the associated OTR/COC record. The laboratory was contacted for clarification.

Over for additional comments.

ORIGINALS	YES	NO	N/A
CUSTODY SEALS			
1. Present on package?	X		
2. Intact upon receipt?	X		
FORM DC-2			
3. Numbering scheme accurate?	X		
4. Are enclosed documents listed?	X		
5. Are listed documents enclosed?	X		
FORM DC-1			
6. Present?	X		
7. Complete?		X	
8. Accurate?		X	
CHAIN-OF-CUSTODY RECORD(s)			
9. Signed?	X		
10. Dated?	X		
TRAFFIC REPORT(s) PACKING LIST(s)			
11. Signed?	X		
12. Dated?	X		
AIRBILLS/AIRBILL STICKER			
13. Present?	X		
14. Signed?			X
15. Dated?			X
SAMPLE TAGS			
16. Does DC-1 list tags as being included?	X		
17. Present?	X		
OTHER DOCUMENTS			
18. Complete?	X		
19. Legible?	X		
20. Original?		X	
20a. If "NO", does the copy indicate where original documents are located?	X		

Audited by: [signature] Tseng-Ying Fan/ESAT Data Reviewer Date 03/05/01

Audited by: _____ _____ Date _____

Audited by: _____ _____ Date _____

Signature Printed Name/Title

TO BE COMPLETED BY CEAT

Date Recvd by CEAT: _____ Date Entered: _____ Date Reviewed: _____

Entered by: _____ _____

Reviewed by: _____ _____

Signature Printed Name/Title

DC-2___

In Reference to Case No(s):
28927 SDG: F02KL (O-2296)

Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM

FAX Record Log

Laboratory Name: CEIMIC
Lab Contact: Henry Leibovitz

Region: 6
Regional Contact: Mahmoud El-Feky - EPA
ESAT Reviewer: Tseng-Ying Fan - ESAT

FAX initiated by: ____Laboratory __X__Region

In reference to data for the following fractions:

CSF Deliverables VOA BNA PEST

Summary of Questions/Issues:

A. CSF Deliverables

1. According to OTR/COC Record No. 396865, Airbill No. 2952388736 was associated with this SDG. However, instead of this Airbill, Airbill No. 1421156214 was recorded on the Form DC-1 (p. 1389) and was submitted. Please clarify this discrepancy or make the necessary correction and resubmission.

2. The SDG No. was omitted on Form DC-1 (p. 1389) and the SOW No. was omitted on Form DC-2. Please ensure the completeness of reporting forms for future cases.

B. VOA

1. Please submit data for the contract-required instrument blanks analyzed after high concentration samples F05G7 (Lab File ID Q1683) and FGK62 (Lab File ID LB006) to demonstrate that there was no carryover contamination.

2. Form VIII (p. 34): The daily calibration reported on this form should be VSTD050Q7, not VSTD200Q7. Please revise and resubmit page 34.

3. Sample F05G8: The submitted sample spectra for benzene (p. 134) did not show any characteristic ions for benzene. Please either submit better spectra or submit single ion search chromatograms displaying the profiles for at least three characteristic ions for benzene.

FAX COMMUNICATION LOG

Continuation Page: 2
Laboratory/Contact: CEIMIC/Henry Leibovitz
In Reference to Case No. 28927 **SDG:** F02KL

C. BNA

Sample F05G7: No spectral data were submitted for the alkanes reported on the alkane report on p. 8. Please submit the missing spectra as p. 538A, 538B...etc.

D. Pest/PCB

1. Sample F05G8DL: The Form I reported a dilution factor of 10 for this sample. The positive hit concentrations were calculated based on 10X dilution, but the QL's were calculated based on 5X dilution. Please clarify or make the necessary correction and resubmission.

2. Please be consistent in the baseline settings for samples analyzed on the same column. Different baseline settings were used for the analyses on the DB5 column, causing inconsistent peak integration results for duplicate or reanalyses. Typical examples are samples F05G8 (p. 964) and F05G8DL (p. 974).

NOTE: Any laboratory resubmission should be submitted either as an addendum to the original CSF with a revised Form DC-2 or submitted as a new CSF with a new Form DC-2 (OLM04.2, p. B-26, 2.7.3), except those containing only replacement pages. Custody seals are required for all CSF resubmission shipments.

Please respond to the above items **within 7 days** to:

Mr. Mahmoud El-Feky
U.S. EPA Region 6 Laboratory
10625 Fallstone Road
Houston, TX 77099

If you have any questions, please contact me at (281) 983-2128.

Marcelyn Humphrey 3/7/01
Signature Date

Distribution: (1) Lab Copy, (2) Region Copy, and (3) ESAT Copy

United States Environmental Protection Agency
Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

Case No. 28927

1. Project Code	2. Region No. 6	Sampling Co. TNRCC	4. Date Shipped 1/26/01
			Carrier AIRBORNE EXPRESS
Account Code	Sampler (Name) JOHN SYER		Airbill Number 2952387535
Site Name GULFCO MARINE MAINTENANCE	Sampler Signature		5. Ship To: CEIMIC 10 DEAN KNAUSS DR NARRAGANSETT, RI 02882 ATTN: SUSAN WRIGHT (401) 782-8900
City, State FREEPORT, TX	Site Spill ID	Op Unit	

3. Purpose**
- Lead: [X] SF, [ ] PRP, [ ] ST, [ ] FED, [ ] BZ
- Early Action: [ ] IA, [ ] PA, [ ] REM, [ ] RI, [ ] SI, [X] ESI
- Long-Term Action: [ ] RIFS, [ ] RD, [ ] RA, [ ] O&M

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. PE-water
7. PE-soil
8. Other (specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. NaHSO4
4. H2SO4
5. Ice only
6. CH3OH
7. Other (specify in Column D)
N. Not Preserved

CLP Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med	C Sample Type: Comp./Grab	D Preservative (from Box 7) Other:	E RAS Analysis TA (circle one) PR* 7 14 21 VOA	TA (circle one) PR* 7 14 21 BNA	TA (circle one) PR* 7 14 21 Pest/PCB	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K Field QC Qualifier (B = Blank, S = Field Spike, D = Field Duplicate, R = Rinsate, PE = Perform Eval)
FGK82	2	Low	GRAB	5		X	X	6-191281	GW-08	1/26/01 08:45	MFJ095	JS	—
F05G8	2	Low	GRAB	5		X	X	6-191331	GW-04	1/25/01 17:00	MF02C5	JS	—

Shipment for Case Complete? (Y/N)

Page 1 of 1

VOA MS/MSD Required? Y/N Sample #:
BNA MS/MSD Required? Y/N Sample #: FGK82
Pest/PCB MS/MSD Required? Y/N Sample #: FGK82

Additional Sampler Signatures

Chain of Custody Seal Number(s)

*PR provides 7-day data turnaround in addition to preliminary results. Requests for preliminary results will increase analytical costs.

Chain of Custody Record

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
	1/26/01 14:00				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	

Distribution: Blue - Region Copy; White - Lab Copy for Return to SMO; Pink - SMO Copy; Yellow - Lab Copy for Return to Region

See Reverse for Additional Standard Instructions
**See Reverse for Purpose Code Definitions

EPA Form 9110-2 (2/99)

CLASS-99-001

396868

Page 24 of 28

EPA United States Environmental Protection Agency
Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

28927

1. Project Code	2. Region No. 6	Sampling Co. TNRCC	4. Date Shipped 1/26/01
Carrier AIRBORNE EXPRESS			
Account Code	Sampler (Name) JOHN SYER		Airbill Number 2952387734
Site Name GULFCO MARINE MAINTENANCE	Sampler Signature [signature]		5. Ship To: CEIMIC 10 DEAN KNAUSS DR. NARRAGANSET, RI 02882
City, State FREEPORT, TX	Site Spill ID	Op Unit	ATTN: SUSAN WRIGHT (401) 782-8900

3. Purpose**: Lead: [X] SF [ ] PRP [ ] ST [ ] FED [ ] BZ; Early Action: [ ] IA [ ] PA [ ] REM [ ] RI [ ] SI [X] CSI; Long Term Action: [ ] RIFS [ ] RD [ ] RA [ ] O&M

6. Matrix (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Field QC 5. Soil/Sediment 6. PE-water 7. PE-soil 8. Other (specify in Column A)

7. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. NaHSO4 4. H2SO4 5. Ice only 6. CH3OH 7. Other (specify in Column D) N. Not Preserved

CLP Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med	C Sample Type: Comp./Grab	D Preservative (from Box 7) Other:	E RAS Analysis TA (circle one) PR* 7 14 21 VOA	TA (circle one) PR* 7 14 21 BNA	TA (circle one) PR* 7 14 21 Pest/PCB	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K Field QC Qualifier (B = Blank S = Field Spike D = Field Duplicate R = Rinsate PE = Perform Eval)
FGK82	2	LOW	GRAB	5		X	X	6-191280, 282	GW-08	1/26/01 08:45	MFJD 95	JS	—

Shipment for Case Complete? (Y/N)	Page 1 of 1			Additional Sampler Signatures	Chain of Custody Seal Number(s)
		VOA MS/MSD Required? Y/N	Sample #:		
		BNA MS/MSD Required? Y/N	Sample #: FGK82		
		Pest/PCB MS/MSD Required? Y/N	Sample #: FGK82		

*PR provides 7-day data turnaround in addition to preliminary results. Requests for preliminary results will increase analytical costs.

Chain of Custody Record

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	1/26/01 14:00				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	

Distribution: Blue - Region Copy; White - Lab Copy for Return to SMO; Pink - SMO Copy; Yellow - Lab Copy for Return to Region

See Reverse for Additional Standard Instructions
**See Reverse for Purpose Code Definitions

EPA Form 9110-2 (2/99)

CLASS-99 001

3 2967

Original TRM SDG F05H1

EPA United States Environmental Protection Agency
Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

Case No. 28927

1. Project Code	2. Region No. 6	Sampling Co. TNRCC	4. Date Shipped / Carrier AIRBORNE EXPRESS
Account Code	Sampler (Name) JOHN SYER		Airbill Number 2952388736
Site Name GULFCO MARINE MAINTENANCE	Sampler Signature [signature]		5. Ship To: CEIMIC 10 DEAN KNAUSS DR. NARRAGANSETT, RI 02882 ATTN: SUSAN WRIGHT (401) 782-8900
City, State FREEPORT, TX / Site Spill ID / Op Unit	3. Purpose** Lead: [X] SF [ ] PRP [ ] ST [ ] FED [ ] BZ; Early Action: [ ] IA [ ] PA [ ] REM [ ] RI [ ] SI [X] ESI; Long-Term Action: [ ] RIFS [ ] RD [ ] RA [ ] O&M		

6. Matrix (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Field QC 5. Soil/Sediment 6. PE-water 7. PE-soil 8. Other (specify in Column A)

7. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. NaHSO4 4. H2SO4 5. Ice only 6. CH3OH 7. Other (specify in Column D) N. Not Preserved

CLP Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med	C Sample Type: Comp./Grab	D Preservative (from Box 7) Other:	E RAS Analysis TA (circle one) PR* 7 14 21 VOA	TA (circle one) PR* 7 14 21 BNA	TA (circle one) PR* 7 14 21 Pest/PCB	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K Field QC Qualifier (B = Blank S = Field Spike D = Field Duplicate R = Rinsate PE = Perform Eval)
FGK84	2	Low	GRAB	5	X			6-190382-383	GW-10	1/24/01 15:17	MFJP71	JK	—
F05H0	2	Low	GRAB	5	X			6-191339-340	GW-11	1/25/01 07:29	MF02C1	JS	—
FGK80	2	Low	GRAB	5	X			6-190362-363	GW-6	1/25/01 09:00	MFJD80	JS	—
FGK92	4	Low	GRAB	5	X			6-190421-422	GW-18	1/24/01 15:00	MFJP88	JS	R
FGK81	2	Low	GRAB	5	X			6-190367-368	GW-07	1/25/01 10:48	MFJD94	JS	—
F02KL	4	Low	GRAB	5	X			6-190436-437	GW-21	1/25/01 12:07	MFJP91	JS	B
FGK62	2	Low	GRAB	5	X	X	X	6-190335-337	GW-01	1/25/01 13:54	MFHX50	JS	—
F05G9	2	Low	GRAB	5	X	X	X	6-191334-336	GW-05	1/25/01 13:59	MF02C6	JS	D(FGK62)

Page 26 of 28

Shipment for Case Complete? (Y/N)	Page 1 of 1	VOA MS/MSD Required? Y/N Sample #:	Additional Sampler Signatures	Chain of Custody Seal Number(s)
		BNA MS/MSD Required? Y/N Sample #:	[signature]	
		Pest/PCB MS/MSD Required? Y/N Sample #:		

*PR provides 7-day data turnaround in addition to preliminary results. Requests for preliminary results will increase analytical costs.

Chain of Custody Record

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	1/25/01 16:00				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	

Distribution: Blue - Region Copy; White - Lab Copy for Return to SMO; Pink - SMO Copy; Yellow - Lab Copy for Return to Region

See Reverse for Additional Standard Instructions
**See Reverse for Purpose Code Definitions

EPA Form 9110-2 (2/99)

CLASS-99 001

396865

EPA United States Environmental Protection Agency
Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

Case No. 28927

1. Project Code:
2. Region No.: 6
Sampling Co.: TNRCC
4. Date Shipped: 1/26/01
Carrier: AIRBORNE EXPRESS
Account Code:
Sampler (Name): JOHN SYER
Airbill Number: 2952388132
Site Name: GULFCO MARINE MAINTENANCE
Sampler Signature: [signature]
5. Ship To: CEIMIC, 10 DEAN KNAUSS DR., NARRAGANSETT, RI 02882, ATTN: SUSAN WRIGHT (401) 782-8900
City, State: FREEPORT, TX
Site Spill ID:
Op Unit:

3. Purpose**
Lead: [X] SF, [ ] PRP, [ ] ST, [ ] FED, [ ] BZ
Early Action: [ ] IA, [ ] PA, [ ] REM, [ ] RI, [ ] SI, [X] ESI
Long-Term Action: [ ] RIFS, [ ] RD, [ ] RA, [ ] O&M

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. PE-water
7. PE-soil
8. Other (specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. NaHSO
4. H2SO4
5. Ice only
6. CH3OH
7. Other (specify in Column D)
N. Not Preserved

CLP Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med	C Sample Type: Comp./Grab	D Preservative (from Box 7) Other:	E RAS Analysis TA (circle one) PR* 7 14 21 VOA	TA (circle one) PR* 7 14 21 BNA	TA (circle one) PR* 7 14 21 Pest/PCB	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K Field QC Qualifier (B = Blank, S = Field Spike, D = Field Duplicate, R = Rinsate, PE = Perform Eval)
F05G6	2	Low	GRAB	5	X	X	X	6-191319-321	GW-02	1/25/01 16:35	MF02C3	JS	—
F05G7	2	Low	GRAB	5	X	X	X	6-191324-326	GW-03	1/25/01 15:42	MF02C4	JS	—
FGK83	2	Low	GRAB	5	X			6-190377-378	GW-09	1/25/01 18:25	MFJP70	JS	—
F05H4	4	Low	GRAB	5	X			6-191269-270	GW-22	1/26/01 08:30	MF02D1	JS	B
FGK82	2	Low	GRAB	5	X			6-191274-279	GW-08	1/26/01 08:45	MFJD95	JS	—
F05G8	2	Low	GRAB	5	X			6-191329-330	GW-04	1/25/01 17:00	MF02C5	JS	—

Shipment for Case Complete? (Y/N)
Page 1 of 1
VOA MS/MSD Required? Y/N Sample #: FGK82
BNA MS/MSD Required? Y/N Sample #:
Pest/PCB MS/MSD Required? Y/N Sample #:
Additional Signatures
Chain of Custody Seal Number(s)

*PR provides 7-day data turnaround in addition to preliminary results. Requests for preliminary results will increase analytical costs.

Ceimic
6SF-RA
(21)
TNRCC

Chain of Custody Record

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by:	Received by: (Signature)
[signature]	1/25/01 14:00			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by:	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none

Distribution: Blue - Region Copy; White - Lab Copy for Return to SMO; Pink - SMO Copy; Yellow - Lab Copy for Return to Region

See Reverse for Additional Standard Instructions
**See Reverse for Purpose Code Definitions

EPA Form 9110-2 (2/99)

CLASS-99-00

United States Environmental Protection Agency
Contract Laboratory Program

Organic T c Report & Chain of Custody Record
(For Organic CLP Analysis)

Case No. 28927

1. Project Code	2. Region No. 6	Sampling Co TNRCC	4. Date Shipped 1/26/01
			Carrier AIRBORNE EXPRESS
Account Code	Sampler (Name) JOHN SYER		Airbill Number 2952387933
Site Name GULFCO MARINE MAINTENANCE	Sampler Signature		5. Ship To: CEIMIC 10 DEAN KNAUSS DR. NARRAGANSETT, RI 02882 ATTN: SUSAN WRIGHT (401)782-8900
City, State FREEPORT, TX	Site Spill ID	Op Unit	

3. Purpose**
Lead: [X] SF [ ] PRP [ ] ST [ ] FED [ ] BZ
Early Action: [ ] IA [ ] PA [ ] REM [ ] RI [ ] SI [X] ESI
Long-Term Action: [ ] RIFS [ ] RD [ ] RA [ ] O&M

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. PE-water
7. PE-soil
8. Other (specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. NaHSO4
4. H2SO4
5. Ice only
6. CH3OH
7. Other (specify in Column D)
N. Not Preserved

CLP Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med	C Sample Type: Comp./Grab	D Preservative (from Box 7) Other:	E RAS Analysis TA (circle one) PR* 7 14 21 VOA	TA (circle one) PR* 7 14 21 BNA	TA (circle one) PR* 7 14 21 Pest/PCB	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K Field QC Qualifier (B = Blank S = Field Spike D = Field Duplicate R = Rinsate PE = Perform Eval)
FGK83	2	low	GRAB	5		X	X	6-190379	GW-09	1/25/01 18:15	MFJP70	JS	—
F05H4	4	low	GRAB	5		X	X	6-191271	GW-22	1/26/01 08:30	MF02D1	JS	B

Shipment for Case Complete? (Y/N)	Page 1 of 1	VOA MS/MSD Required? Y/N Sample #:	Additional Sampler Signatures	Chain of Custody Seal Number(s)
		BNA MS/MSD Required? Y/N Sample #:		
		Pest/PCB MS/MSD Required? Y/N Sample #:		

*PR provides 7-day data turnaround in addition to preliminary results. Requests for preliminary results will increase analytical costs.

Chain of Custody Record

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
	1/26/01 14:00				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	

Distribution: Blue - Region Copy; White - Lab Copy for Return to SMO; Pink - SMO Copy; Yellow - Lab Copy for Return to Region

See Reverse for Additional Standard Instructions
**See Reverse for Purpose Code Definitions

EPA Form 9110-2 (2/99)

CLASS-99-00

389025

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KL

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB001

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	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.

F02KL

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB001

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02KL

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB001

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G6

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-13A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB005

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (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	2	J
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G6

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-13A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB005

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (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	4	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.

F05G6

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-13A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB005

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G7

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-14A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q1683

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB624 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/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	1900	E
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	7700	E
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	21000	E
156-60-5	trans-1,2-Dichloroethene	53	
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	1600	E
156-59-2	cis-1,2-Dichloroethene	4900	E
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	79	
71-55-6	1,1,1-Trichloroethane	9300	E
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	1500	E
107-06-2	1,2-Dichloroethane	8100	E

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G7

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-14A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q1683

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB624 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/L	Q
79-01-6	Trichloroethene	16000	E
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	2100	E
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	170	
108-88-3	Toluene	590	E
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	35	
127-18-4	Tetrachloroethene	9200	E
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	40	
1330-20-7	Xylene (Total)	130	
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	120	
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.

F05G7

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-14A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q1683

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

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

Number TICs found: 24

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.74	380	J
2. 107-05-1	1-PROPENE, 3-CHLORO-	3.00	33	NJ
3. 107-04-0	ETHANE, 1-BROMO-2-CHLORO-	10.18	15	J
4.	UNKNOWN	10.91	15	J
5. 3405-32-1	BUTANE, 1,2,3,4-TETRACHLORO-	13.01	14	J
6.	UNKNOWN	13.19	6	J
7.	UNKNOWN	13.48	2300	J
8. 96-18-4	PROPANE, 1,2,3-TRICHLORO-	13.52	2200	J
9.	UNKNOWN	13.66	12	J
10.	UNKNOWN	13.85	6	J
11.	UNKNOWN	13.99	7	J
12.	UNKNOWN	14.06	6	J
13. 4829-04-3	1,3-DITHIOLANE	14.22	11	NJ
14. 104-76-7	1-HEXANOL, 2-ETHYL-	14.59	40	J
15.	UNKNOWN	14.67	33	J
16.	UNKNOWN	14.76	6	J
17.	UNKNOWN	14.99	7	J
18.	UNKNOWN	15.13	8	J
19.	UNKNOWN	15.20	11	J
20.	UNKNOWN	15.32	6	J
21.	UNKNOWN	15.72	23	J
22.	UNKNOWN	16.02	9	J
23.	UNKNOWN	16.11	9	J
24.	UNKNOWN	16.44	14	J
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G7DL

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-14ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q1703

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/07/01

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 5000.0

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	50000	U
74-87-3	Chloromethane	50000	U
75-01-4	Vinyl Chloride	50000	U
74-83-9	Bromomethane	50000	U
75-00-3	Chloroethane	50000	U
75-69-4	Trichlorofluoromethane	50000	U
75-35-4	1,1-Dichloroethene	29000	DJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	50000	U
67-64-1	Acetone	50000	U
75-15-0	Carbon Disulfide	50000	U
79-20-9	Methyl Acetate	50000	U
75-09-2	Methylene Chloride	670000	D
156-60-5	trans-1,2-Dichloroethene	50000	U
1634-04-4	Methyl tert-Butyl Ether	50000	U
75-34-3	1,1-Dichloroethane	50000	U
156-59-2	cis-1,2-Dichloroethene	50000	U
78-93-3	2-Butanone	50000	U
67-66-3	Chloroform	50000	U
71-55-6	1,1,1-Trichloroethane	12000	DJ
110-82-7	Cyclohexane	50000	U
56-23-5	Carbon Tetrachloride	50000	U
71-43-2	Benzene	6200	DJ
107-06-2	1,2-Dichloroethane	99000	D

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G7DL

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-14ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q1703

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/07/01

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 5000.0

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	92000	D
108-87-2	Methylcyclohexane	50000	U
78-87-5	1,2-Dichloropropane	50000	U
75-27-4	Bromodichloromethane	50000	U
10061-01-5	cis-1,3-Dichloropropene	50000	U
108-10-1	4-Methyl-2-Pentanone	50000	U
108-88-3	Toluene	50000	U
10061-02-6	trans-1,3-Dichloropropene	50000	U
79-00-5	1,1,2-Trichloroethane	50000	U
127-18-4	Tetrachloroethene	22000	DJ
591-78-6	2-Hexanone	50000	U
124-48-1	Dibromochloromethane	50000	U
106-93-4	1,2-Dibromoethane	50000	U
108-90-7	Chlorobenzene	50000	U
100-41-4	Ethylbenzene	50000	U
1330-20-7	Xylene (Total)	50000	U
100-42-5	Styrene	50000	U
75-25-2	Bromoform	50000	U
98-82-8	Isopropylbenzene	50000	U
79-34-5	1,1,2,2-Tetrachloroethane	50000	U
541-73-1	1,3-Dichlorobenzene	50000	U
106-46-7	1,4-Dichlorobenzene	50000	U
95-50-1	1,2-Dichlorobenzene	50000	U
96-12-8	1,2-Dibromo-3-chloropropane	50000	U
120-82-1	1,2,4-Trichlorobenzene	50000	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F05G7DL

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-14ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q1703

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/07/01

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 5000.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G8

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-12A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB012

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/07/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 500.0

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	5000	U
74-87-3	Chloromethane	5000	U
75-01-4	Vinyl Chloride	17000	
74-83-9	Bromomethane	5000	U
75-00-3	Chloroethane	5000	U
75-69-4	Trichlorofluoromethane	5000	U
75-35-4	1,1-Dichloroethene	2000	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5000	U
67-64-1	Acetone	5000	U
75-15-0	Carbon Disulfide	5000	U
79-20-9	Methyl Acetate	5000	U
75-09-2	Methylene Chloride	77000	B
156-60-5	trans-1,2-Dichloroethene	5000	U
1634-04-4	Methyl tert-Butyl Ether	5000	U
75-34-3	1,1-Dichloroethane	12000	
156-59-2	cis-1,2-Dichloroethene	5000	U
78-93-3	2-Butanone	5000	U
67-66-3	Chloroform	1200	J
71-55-6	1,1,1-Trichloroethane	93000	
110-82-7	Cyclohexane	5000	U
56-23-5	Carbon Tetrachloride	5000	U
71-43-2	Benzene	5000	U
107-06-2	1,2-Dichloroethane	3700000	E

470142

REVISED

120

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G8

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-12A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB012

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/07/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 500.0

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	11000	
108-87-2	Methylcyclohexane	5000	U
78-87-5	1,2-Dichloropropane	5000	U
75-27-4	Bromodichloromethane	5000	U
10061-01-5	cis-1,3-Dichloropropene	5000	U
108-10-1	4-Methyl-2-Pentanone	5000	U
108-88-3	Toluene	780	J
10061-02-6	trans-1,3-Dichloropropene	5000	U
79-00-5	1,1,2-Trichloroethane	5000	U
127-18-4	Tetrachloroethene	3400	J
591-78-6	2-Hexanone	5000	U
124-48-1	Dibromochloromethane	5000	U
106-93-4	1,2-Dibromoethane	5000	U
108-90-7	Chlorobenzene	5000	U
100-41-4	Ethylbenzene	5000	U
1330-20-7	Xylene (Total)	5000	U
100-42-5	Styrene	5000	U
75-25-2	Bromoform	5000	U
98-82-8	Isopropylbenzene	1600	J
79-34-5	1,1,2,2-Tetrachloroethane	5000	U
541-73-1	1,3-Dichlorobenzene	5000	U
106-46-7	1,4-Dichlorobenzene	5000	U
95-50-1	1,2-Dichlorobenzene	5000	U
96-12-8	1,2-Dibromo-3-chloropropane	5000	U
120-82-1	1,2,4-Trichlorobenzene	5000	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F05G8

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-12A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB012

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/07/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 500.0

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G8DL

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-12ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q1702

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/07/01

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 43000.0

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	430000	U
74-87-3	Chloromethane	430000	U
75-01-4	Vinyl Chloride	430000	U
74-83-9	Bromomethane	430000	U
75-00-3	Chloroethane	430000	U
75-69-4	Trichlorofluoromethane	430000	U
75-35-4	1,1-Dichloroethene	430000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	430000	U
67-64-1	Acetone	430000	U
75-15-0	Carbon Disulfide	430000	U
79-20-9	Methyl Acetate	430000	U
75-09-2	Methylene Chloride	110000	DJ
156-60-5	trans-1,2-Dichloroethene	430000	U
1634-04-4	Methyl tert-Butyl Ether	430000	U
75-34-3	1,1-Dichloroethane	430000	U
156-59-2	cis-1,2-Dichloroethene	430000	U
78-93-3	2-Butanone	430000	U
67-66-3	Chloroform	430000	U
71-55-6	1,1,1-Trichloroethane	75000	DJ
110-82-7	Cyclohexane	430000	U
56-23-5	Carbon Tetrachloride	430000	U
71-43-2	Benzene	430000	U
107-06-2	1,2-Dichloroethane	2800000	D

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G8DL

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-12ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q1702

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/07/01

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 43000.0

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	430000	U
108-87-2	Methylcyclohexane	430000	U
78-87-5	1,2-Dichloropropane	430000	U
75-27-4	Bromodichloromethane	430000	U
10061-01-5	cis-1,3-Dichloropropene	430000	U
108-10-1	4-Methyl-2-Pentanone	430000	U
108-88-3	Toluene	430000	U
10061-02-6	trans-1,3-Dichloropropene	430000	U
79-00-5	1,1,2-Trichloroethane	430000	U
127-18-4	Tetrachloroethene	430000	U
591-78-6	2-Hexanone	430000	U
124-48-1	Dibromochloromethane	430000	U
106-93-4	1,2-Dibromoethane	430000	U
108-90-7	Chlorobenzene	430000	U
100-41-4	Ethylbenzene	430000	U
1330-20-7	Xylene (Total)	430000	U
100-42-5	Styrene	430000	U
75-25-2	Bromoform	430000	U
98-82-8	Isopropylbenzene	430000	U
79-34-5	1,1,2,2-Tetrachloroethane	430000	U
541-73-1	1,3-Dichlorobenzene	430000	U
106-46-7	1,4-Dichlorobenzene	430000	U
95-50-1	1,2-Dichlorobenzene	430000	U
96-12-8	1,2-Dibromo-3-chloropropane	430000	U
120-82-1	1,2,4-Trichlorobenzene	430000	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F05G8DL

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-12ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q1702

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/07/01

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 43000.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G9

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-08A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q1689

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/07/01

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 500.0

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	5000	U
74-87-3	Chloromethane	5000	U
75-01-4	Vinyl Chloride	1600	J
74-83-9	Bromomethane	5000	U
75-00-3	Chloroethane	5000	U
75-69-4	Trichlorofluoromethane	5000	U
75-35-4	1,1-Dichloroethene	30000	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5000	U
67-64-1	Acetone	5000	U
75-15-0	Carbon Disulfide	5000	U
79-20-9	Methyl Acetate	5000	U
75-09-2	Methylene Chloride	750000	E
156-60-5	trans-1,2-Dichloroethene	5000	U
1634-04-4	Methyl tert-Butyl Ether	5000	U
75-34-3	1,1-Dichloroethane	5000	U
156-59-2	cis-1,2-Dichloroethene	5000	U
78-93-3	2-Butanone	5000	U
67-66-3	Chloroform	5000	U
71-55-6	1,1,1-Trichloroethane	83000	
110-82-7	Cyclohexane	5000	U
56-23-5	Carbon Tetrachloride	5000	U
71-43-2	Benzene	16000	
107-06-2	1,2-Dichloroethane	9700	

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G9

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-08A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q1689

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/07/01

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 500.0

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	49000	
108-87-2	Methylcyclohexane	5000	U
78-87-5	1,2-Dichloropropane	5000	U
75-27-4	Bromodichloromethane	5000	U
10061-01-5	cis-1,3-Dichloropropene	5000	U
108-10-1	4-Methyl-2-Pentanone	5000	U
108-88-3	Toluene	5000	U
10061-02-6	trans-1,3-Dichloropropene	5000	U
79-00-5	1,1,2-Trichloroethane	5000	U
127-18-4	Tetrachloroethene	25000	
591-78-6	2-Hexanone	5000	U
124-48-1	Dibromochloromethane	5000	U
106-93-4	1,2-Dibromoethane	5000	U
108-90-7	Chlorobenzene	5000	U
100-41-4	Ethylbenzene	5000	U
1330-20-7	Xylene (Total)	5000	U
100-42-5	Styrene	5000	U
75-25-2	Bromoform	5000	U
98-82-8	Isopropylbenzene	22000	
79-34-5	1,1,2,2-Tetrachloroethane	5000	U
541-73-1	1,3-Dichlorobenzene	5000	U
106-46-7	1,4-Dichlorobenzene	5000	U
95-50-1	1,2-Dichlorobenzene	5000	U
96-12-8	1,2-Dibromo-3-chloropropane	5000	U
120-82-1	1,2,4-Trichlorobenzene	5000	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F05G9

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-08A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q1689

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/07/01

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 500.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.39	3000	JB
2.	UNKNOWN	2.91	3000	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G9DL

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-08ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q1701

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/07/01

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 5000.0

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	50000	U
74-87-3	Chloromethane	50000	U
75-01-4	Vinyl Chloride	50000	U
74-83-9	Bromomethane	50000	U
75-00-3	Chloroethane	50000	U
75-69-4	Trichlorofluoromethane	50000	U
75-35-4	1,1-Dichloroethene	19000	DJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	50000	U
67-64-1	Acetone	50000	U
75-15-0	Carbon Disulfide	50000	U
79-20-9	Methyl Acetate	50000	U
75-09-2	Methylene Chloride	450000	D
156-60-5	trans-1,2-Dichloroethene	50000	U
1634-04-4	Methyl tert-Butyl Ether	50000	U
75-34-3	1,1-Dichloroethane	50000	U
156-59-2	cis-1,2-Dichloroethene	50000	U
78-93-3	2-Butanone	50000	U
67-66-3	Chloroform	50000	U
71-55-6	1,1,1-Trichloroethane	49000	DJ
110-82-7	Cyclohexane	50000	U
56-23-5	Carbon Tetrachloride	50000	U
71-43-2	Benzene	9600	DJ
107-06-2	1,2-Dichloroethane	50000	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G9DL

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-08ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q1701

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/07/01

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 5000.0

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	31000	DJ
108-87-2	Methylcyclohexane	50000	U
78-87-5	1,2-Dichloropropane	50000	U
75-27-4	Bromodichloromethane	50000	U
10061-01-5	cis-1,3-Dichloropropene	50000	U
108-10-1	4-Methyl-2-Pentanone	50000	U
108-88-3	Toluene	50000	U
10061-02-6	trans-1,3-Dichloropropene	50000	U
79-00-5	1,1,2-Trichloroethane	50000	U
127-18-4	Tetrachloroethene	15000	DJ
591-78-6	2-Hexanone	50000	U
124-48-1	Dibromochloromethane	50000	U
106-93-4	1,2-Dibromoethane	50000	U
108-90-7	Chlorobenzene	50000	U
100-41-4	Ethylbenzene	50000	U
1330-20-7	Xylene (Total)	50000	U
100-42-5	Styrene	50000	U
75-25-2	Bromoform	50000	U
98-82-8	Isopropylbenzene	11000	DJ
79-34-5	1,1,2,2-Tetrachloroethane	50000	U
541-73-1	1,3-Dichlorobenzene	50000	U
106-46-7	1,4-Dichlorobenzene	50000	U
95-50-1	1,2-Dichlorobenzene	50000	U
96-12-8	1,2-Dibromo-3-chloropropane	50000	U
120-82-1	1,2,4-Trichlorobenzene	50000	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F05G9DL

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-08ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q1701

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/07/01

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 5000.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05H0

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LA997

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (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	28	
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.

F05H0

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LA997

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F05H0

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LA997

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05H4

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-10A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB003

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (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	4	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.

F05H4

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-10A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB003

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F05H4

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-10A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB003

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGK62

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB006

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (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	1100	E
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	5500	E
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	48	
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	24000	EB
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	1700	E
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	72	
71-55-6	1,1,1-Trichloroethane	30000	E
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	6000	E
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGK62

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB006

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (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	21000	E
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	1900	E
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	300	E
108-88-3	Toluene	610	E
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	46	
127-18-4	Tetrachloroethene	17000	E
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	3100	E
79-34-5	1,1,2,2-Tetrachloroethane	16	
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.

FGK62

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB006

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

Number TICs found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 557-98-2	1-PROPENE, 2-CHLORO-	2.89	70	NJ
2.	UNKNOWN	3.79	2400	J
3.	UNKNOWN	3.88	18000	J
4.	UNKNOWN	7.42	7100	J
5.	UNKNOWN	8.08	3100	J
6.	UNKNOWN	14.44	49	J
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGK62DL

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-07ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q1700

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/07/01

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 5000.0

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	50000	U
74-87-3	Chloromethane	50000	U
75-01-4	Vinyl Chloride	50000	U
74-83-9	Bromomethane	50000	U
75-00-3	Chloroethane	50000	U
75-69-4	Trichlorofluoromethane	50000	U
75-35-4	1,1-Dichloroethene	32000	DJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	50000	U
67-64-1	Acetone	50000	U
75-15-0	Carbon Disulfide	50000	U
79-20-9	Methyl Acetate	50000	U
75-09-2	Methylene Chloride	750000	D
156-60-5	trans-1,2-Dichloroethene	50000	U
1634-04-4	Methyl tert-Butyl Ether	50000	U
75-34-3	1,1-Dichloroethane	50000	U
156-59-2	cis-1,2-Dichloroethene	50000	U
78-93-3	2-Butanone	50000	U
67-66-3	Chloroform	50000	U
71-55-6	1,1,1-Trichloroethane	93000	D ✓
110-82-7	Cyclohexane	50000	U
56-23-5	Carbon Tetrachloride	50000	U
71-43-2	Benzene	18000	DJ
107-06-2	1,2-Dichloroethane	50000	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGK62DL

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-07ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q1700

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/07/01

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 5000.0

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	53000	D ✓
108-87-2	Methylcyclohexane	50000	U
78-87-5	1,2-Dichloropropane	50000	U
75-27-4	Bromodichloromethane	50000	U
10061-01-5	cis-1,3-Dichloropropene	50000	U
108-10-1	4-Methyl-2-Pentanone	50000	U
108-88-3	Toluene	50000	U
10061-02-6	trans-1,3-Dichloropropene	50000	U
79-00-5	1,1,2-Trichloroethane	50000	U
127-18-4	Tetrachloroethene	29000	DJ
591-78-6	2-Hexanone	50000	U
124-48-1	Dibromochloromethane	50000	U
106-93-4	1,2-Dibromoethane	50000	U
108-90-7	Chlorobenzene	50000	U
100-41-4	Ethylbenzene	50000	U
1330-20-7	Xylene (Total)	50000	U
100-42-5	Styrene	50000	U
75-25-2	Bromoform	50000	U
98-82-8	Isopropylbenzene	24000	DJ
79-34-5	1,1,2,2-Tetrachloroethane	50000	U
541-73-1	1,3-Dichlorobenzene	50000	U
106-46-7	1,4-Dichlorobenzene	50000	U
95-50-1	1,2-Dichlorobenzene	50000	U
96-12-8	1,2-Dibromo-3-chloropropane	50000	U
120-82-1	1,2,4-Trichlorobenzene	50000	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FGK62DL

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-07ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q1700

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/07/01

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 5000.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGK80

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LA998

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (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	29	
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.

FGK80

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LA998

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FGK80

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LA998

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGK81

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB000

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	8	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	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.

FGK81

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB000

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FGK81

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB000

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (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. 67-63-0	ISOPROPYL ALCOHOL	3.71	32	NJ
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGK82

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-11A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB004

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	7	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	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.

FGK82

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-11A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB004

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FGK82

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-11A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB004

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGK83

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-09A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB002

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	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.

FGK83

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-09A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB002

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FGK83

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-09A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LB002

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGK84

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LA996

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (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.

FGK84

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LA996

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FGK84

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LA996

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGK92

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LA999

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (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	47	
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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGK92

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LA999

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FGK92

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LA999

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: not dec. _____ Date Analyzed: 02/06/01

GC Column: DB-624 ID: 0.18 (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. 67-63-0	ISOPROPYL ALCOHOL	3.70	440	NJ
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G6

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-13

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA166

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 02/01/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(-2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(-2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G6

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-13

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA166

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 02/01/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	3	J
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	1	J
206-44-0	Fluoranthene	1	J
129-00-0	Pyrene	2	J
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	1	J
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F05G6

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-13

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA166

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:02/01/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 98-82-8	BENZENE, (1-METHYLETHYL)-	4.33	7	NJ
2. 98-83-9	.ALPHA.-METHYLSTYRENE	4.69	35	NJ
3.	UNKNOWN	4.86	4	J
4.	UNKNOWN	5.26	110	J
5.	UNKNOWN	6.10	8	J
6.	UNKNOWN	6.32	4	J
7.	UNKNOWN	6.56	6	J
8.	UNKNOWN	6.73	4	J
9.	UNKNOWN	6.84	7	J
10.	UNKNOWN	7.32	11	J
11.	UNKNOWN	7.50	3	J
12.	UNKNOWN	7.58	12	J
13.	UNKNOWN	7.67	32	J
14.	UNKNOWN	8.02	3	J
15.	UNKNOWN	8.18	6	J
16.	UNKNOWN	8.27	6	J
17.	UNKNOWN	8.47	8	J
18.	UNKNOWN	8.96	34	J
19.	UNKNOWN	10.02	19	J
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E SAMPLE NO.

F05G7

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-14

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA164

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 02/01/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	42	
111-44-4	bis(-2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	29	
108-60-1	2,2'-oxybis(1-Chloropropane)	23	
98-86-2	Acetophenone	23	
106-44-5	4-Methylphenol	41	
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(-2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	12	
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	2	J
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G7

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-14

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA164

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 02/01/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F05G7

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-14

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA164

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:02/01/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 98-83-9	.ALPHA.-METHYLSTYRENE	4.72	19	NJ
2.	UNKNOWN	5.02	25	J
3.	UNKNOWN	5.30	6	J
4.	UNKNOWN	5.55	12	J
5.	UNKNOWN	5.64	3	J
6.	UNKNOWN	5.74	5	J
7.	UNKNOWN	5.88	7	J
8.	UNKNOWN	6.19	3	J
9.	UNKNOWN	6.23	3	J
10.	UNKNOWN	6.34	9	J
11.	UNKNOWN	6.91	150	J
12. 122-57-6	3-BUTEN-2-ONE, 4-PHENYL-	7.03	14	NJ
13.	UNKNOWN	7.20	17	J
14.	UNKNOWN	7.26	30	J
15.	UNKNOWN	7.31	21	J
16.	UNKNOWN	7.38	40	J
17.	UNKNOWN	7.48	44	J
18.	UNKNOWN	7.64	140	J
19.	UNKNOWN	7.74	240	J
20.	UNKNOWN	8.04	7	J
21. 112-66-3	ACETIC ACID, DODECYL ESTER	8.20	20	NJ
22.	UNKNOWN	8.30	14	J
23.	UNKNOWN	8.36	31	J
24. 7206-21-5	5-OCTADECENE, (E)-	8.54	11	NJ
25.	UNKNOWN	8.85	6	J
26.	UNKNOWN	9.06	6	J
27.	UNKNOWN	9.42	3	J
28.	UNKNOWN	9.53	10	J
29.	UNKNOWN	9.97	5	J
30.	UNKNOWN	10.93	22	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G8

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-12

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA165

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 02/01/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	56	
108-95-2	Phenol	51	
111-44-4	bis(-2-Chloroethyl)Ether	31	J
95-57-8	2-Chlorophenol	50	U
95-48-7	2-Methylphenol	27	J
108-60-1	2,2'-oxybis(1-Chloropropane)	380	
98-86-2	Acetophenone	120	
106-44-5	4-Methylphenol	42	J
621-64-7	N-Nitroso-di-n-propylamine	50	U
67-72-1	Hexachloroethane	50	U
98-95-3	Nitrobenzene	50	U
78-59-1	Isophorone	50	U
88-75-5	2-Nitrophenol	50	U
105-67-9	2,4-Dimethylphenol	50	U
111-91-1	bis(-2-Chloroethoxy)methane	50	U
120-83-2	2,4-Dichlorophenol	50	U
91-20-3	Naphthalene	230	
106-47-8	4-Chloroaniline	50	U
87-68-3	Hexachlorobutadiene	50	U
105-60-2	Caprolactam	50	U
59-50-7	4-Chloro-3-Methylphenol	50	U
91-57-6	2-Methylnaphthalene	56	
77-47-4	Hexachlorocyclopentadiene	50	U
88-06-2	2,4,6-Trichlorophenol	50	U
95-95-4	2,4,5-Trichlorophenol	130	U
92-52-4	1,1'-Biphenyl	8	J
91-58-7	2-Chloronaphthalene	50	U
88-74-4	2-Nitroaniline	130	U
131-11-3	Dimethylphthalate	50	U
606-20-2	2,6-Dinitrotoluene	50	U
208-96-8	Acenaphthylene	50	U
99-09-2	3-Nitroaniline	130	U
83-32-9	Acenaphthene	15	J

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G8

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-12

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA165

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 02/01/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	130	U
100-02-7	4-Nitrophenol	130	U
132-64-9	Dibenzofuran	8	J
121-14-2	2,4-Dinitrotoluene	50	U
84-66-2	Diethylphthalate	50	U
86-73-7	Fluorene	12	J
7005-72-3	4-Chlorophenyl-phenylether	50	U
100-01-6	4-Nitroaniline	130	U
534-52-1	4,6-Dinitro-2-methylphenol	130	U
86-30-6	N-nitrosodiphenylamine (1)	50	U
101-55-3	4-Bromophenyl-phenylether	50	U
118-74-1	Hexachlorobenzene	50	U
1912-24-9	Atrazine	50	U
87-86-5	Pentachlorophenol	130	U
85-01-8	Phenanthrene	34	J
120-12-7	Anthracene	7	J
86-74-8	Carbazole	37	J
84-74-2	Di-n-butylphthalate	50	U
206-44-0	Fluoranthene	11	J
129-00-0	Pyrene	15	J
85-68-7	Butylbenzylphthalate	50	U
91-94-1	3,3'-Dichlorobenzidine	50	U
56-55-3	Benzo(a)anthracene	50	U
218-01-9	Chrysene	10	J
117-81-7	bis(2-Ethylhexyl)phthalate	50	U
117-84-0	Di-n-octylphthalate	50	U
205-99-2	Benzo(b)fluoranthene	50	U
207-08-9	Benzo(k)fluoranthene	50	U
50-32-8	Benzo(a)pyrene	50	U
193-39-5	Indeno(1,2,3-cd)pyrene	50	U
53-70-3	Dibenzo(a,h)anthracene	50	U
191-24-2	Benzo(g,h,i)perylene	50	U

(1) - Cannot be separated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F05G8

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-12

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA165

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:02/01/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 629-20-9	1,3,5,7-CYCLOOCTATETRAENE	4.11	260	NJ
2.	UNKNOWN	4.19	51	J
3. 10061-01-5	1-PROPENE, 1,3-DICHLORO-, (Z	4.30	540	NJ
4.	UNKNOWN	4.56	19	J
5.	UNKNOWN	4.97	19	J
6. 98-83-9	.ALPHA.-METHYLSTYRENE	5.31	230	NJ
7. 2550-26-7	2-BUTANONE, 4-PHENYL-	6.28	40	NJ
8. 90-12-0	NAPHTHALENE, 1-METHYL-	6.87	14	NJ
9. 122-57-6	3-BUTEN-2-ONE, 4-PHENYL-	7.03	43	NJ
10. 581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	7.40	23	NJ
11. 575-41-7	NAPHTHALENE, 1,3-DIMETHYL-	7.49	59	NJ
12.	UNKNOWN	7.71	21	J
13.	UNKNOWN	8.29	110	J
14.	UNKNOWN	8.74	13	J
15.	UNKNOWN AROMATIC COMPOUND	9.86	14	J
16. 3674-66-6	PHENANTHRENE, 2,5-DIMETHYL-	10.23	51	NJ
17. 2381-21-7	PYRENE, 1-METHYL-	11.19	26	NJ
18. 1705-84-6	TRIPHENYLENE, 2-METHYL-	12.54	23	NJ
19.	UNKNOWN	12.78	11	J
20.	UNKNOWN PAH	13.13	10	J
21.	UNKNOWN	16.54	35	J
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G9

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA158

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 01/31/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	46	
111-44-4	bis(-2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	7	J
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	86	E
106-44-5	4-Methylphenol	11	
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(-2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	8	J
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	3	J
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	1	J
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	1	J
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G9

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA158

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 01/31/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F05G9

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA158

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:01/31/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 28

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 53966-57-7	3-BUTEN-2-ONE, 3,4(OR 4,4)-D	4.24	13	NJ
2.	UNKNOWN	4.32	240	J
3. 98-82-8	BENZENE, (1-METHYLETHYL)-	4.32	240	NJB
4.	UNKNOWN	4.51	9	J
5. 98-83-9	.ALPHA.-METHYLSTYRENE	4.70	5	NJ
6.	UNKNOWN	4.98	16	J
7.	UNKNOWN	5.45	3	J
8. 95-87-4	PHENOL, 2,5-DIMETHYL-	5.63	6	NJ
9.	UNKNOWN	5.72	6	J
10.	UNKNOWN	5.78	2	J
11.	UNKNOWN	5.86	2	J
12. 88-69-7	PHENOL, 2-(1-METHYLETHYL)-	5.92	7	NJ
13. 1687-61-2	PHENOL, 2-ETHYL-5-METHYL-	6.09	11	NJ
14.	UNKNOWN	6.23	4	J
15.	UNKNOWN	6.29	14	J
16.	UNKNOWN	6.52	2	J
17. 83-33-0	1H-INDEN-1-ONE, 2,3-DIHYDRO-	6.63	3	NJ
18.	UNKNOWN	6.82	2	J
19.	UNKNOWN	6.88	57	J
20.	UNKNOWN	7.03	4	J
21.	UNKNOWN	7.48	5	J
22.	UNKNOWN	7.62	3	J
23.	UNKNOWN	8.03	3	J
24.	UNKNOWN	8.16	4	J
25.	UNKNOWN	8.31	16	J
26.	UNKNOWN	8.42	3	J
27.	UNKNOWN	9.16	6	J
28.	UNKNOWN	9.44	25	J
29.				
30.				

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G9DL

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-08DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA167

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 01/31/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	20	U
108-95-2	Phenol	42	D
111-44-4	bis(-2-Chloroethyl)Ether	20	U
95-57-8	2-Chlorophenol	20	U
95-48-7	2-Methylphenol	5	DJ
108-60-1	2,2'-oxybis(1-Chloropropane)	20	U
98-86-2	Acetophenone	94	D
106-44-5	4-Methylphenol	9	DJ
621-64-7	N-Nitroso-di-n-propylamine	20	U
67-72-1	Hexachloroethane	20	U
98-95-3	Nitrobenzene	20	U
78-59-1	Isophorone	20	U
88-75-5	2-Nitrophenol	20	U
105-67-9	2,4-Dimethylphenol	20	U
111-91-1	bis(-2-Chloroethoxy)methane	20	U
120-83-2	2,4-Dichlorophenol	20	U
91-20-3	Naphthalene	7	DJ
106-47-8	4-Chloroaniline	20	U
87-68-3	Hexachlorobutadiene	20	U
105-60-2	Caprolactam	20	U
59-50-7	4-Chloro-3-Methylphenol	20	U
91-57-6	2-Methylnaphthalene	20	U
77-47-4	Hexachlorocyclopentadiene	20	U
88-06-2	2,4,6-Trichlorophenol	20	U
95-95-4	2,4,5-Trichlorophenol	50	U
92-52-4	1,1'-Biphenyl	20	U
91-58-7	2-Chloronaphthalene	20	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	20	U
606-20-2	2,6-Dinitrotoluene	20	U
208-96-8	Acenaphthylene	20	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	20	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G9DL

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-08DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA167

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 01/31/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	20	U
121-14-2	2,4-Dinitrotoluene	20	U
84-66-2	Diethylphthalate	20	U
86-73-7	Fluorene	20	U
7005-72-3	4-Chlorophenyl-phenylether	20	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-nitrosodiphenylamine (1)	20	U
101-55-3	4-Bromophenyl-phenylether	20	U
118-74-1	Hexachlorobenzene	20	U
1912-24-9	Atrazine	20	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	20	U
120-12-7	Anthracene	20	U
86-74-8	Carbazole	20	U
84-74-2	Di-n-butylphthalate	20	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	20	U
85-68-7	Butylbenzylphthalate	20	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	20	U
218-01-9	Chrysene	20	U
117-81-7	bis(2-Ethylhexyl)phthalate	20	U
117-84-0	Di-n-octylphthalate	20	U
205-99-2	Benzo(b)fluoranthene	20	U
207-08-9	Benzo(k)fluoranthene	20	U
50-32-8	Benzo(a)pyrene	20	U
193-39-5	Indeno(1,2,3-cd)pyrene	20	U
53-70-3	Dibenzo(a,h)anthracene	20	U
191-24-2	Benzo(g,h,i)perylene	20	U

(1) - Cannot be separated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F05G9DL

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-08DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA167

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:01/31/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 22

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 53966-57-7	3-BUTEN-2-ONE, 3,4(OR 4,4)-D	4.21	31	NJD
2. 98-82-8	BENZENE, (1-METHYLETHYL)-	4.32	780	NJBD
3.	UNKNOWN AROMATIC COMPOUND	4.44	14	JD
4.	UNKNOWN	4.50	5	JD
5. 98-83-9	.ALPHA.-METHYLSTYRENE	4.70	7	NJD
6.	UNKNOWN	4.86	8	JD
7.	UNKNOWN	4.98	31	JD
8. 95-87-4	PHENOL, 2,5-DIMETHYL-	5.63	5	NJD
9. 90-00-6	PHENOL, 2-ETHYL-	5.72	5	NJD
10. 88-69-7	PHENOL, 2-(1-METHYLETHYL)-	5.91	5	NJD
11. 99-89-8	PHENOL, 4-(1-METHYLETHYL)-	6.09	10	NJD
12.	UNKNOWN	6.28	11	JD
13. 83-33-0	1H-INDEN-1-ONE, 2,3-DIHYDRO-	6.63	4	NJD
14.	UNKNOWN	6.71	6	JD
15. 26465-81-6	1H-INDEN-1-ONE, 2,3-DIHYDRO-	6.87	88	NJD
16.	UNKNOWN	7.03	5	JD
17.	UNKNOWN	7.29	4	JD
18.	UNKNOWN	7.49	4	JD
19.	UNKNOWN	8.03	5	JD
20.	UNKNOWN	8.15	5	JD
21.	UNKNOWN	8.31	15	JD
22.	UNKNOWN	9.16	9	JD
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05H4

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA160

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 02/01/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(-2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	2	J
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(-2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	8	J
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05H4

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA160

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 02/01/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	1	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F05H4

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA160

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:02/01/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.18	9	J
2.	UNKNOWN	11.64	5	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGK62

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA157

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 01/31/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	24	
111-44-4	bis(-2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	4	J
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	64	
106-44-5	4-Methylphenol	8	J
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(-2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	5	J
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	1	J
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGK62

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA157

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 01/31/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FGK62

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA157

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:01/31/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 22

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 53966-57-7	3-BUTEN-2-ONE, 3,4(OR 4,4)-D	4.21	18	NJ
2. 98-82-8	BENZENE, (1-METHYLETHYL)-	4.32	280	NJB
3.	UNKNOWN	4.46	6	J
4. 98-83-9	.ALPHA.-METHYLSTYRENE	4.70	3	NJ
5.	UNKNOWN	4.98	15	J
6. 105-67-9	PHENOL, 2,4-DIMETHYL-	5.62	5	NJ
7. 90-00-6	PHENOL, 2-ETHYL-	5.72	4	NJ
8.	UNKNOWN	5.77	2	J
9.	UNKNOWN	5.91	6	J
10. 88-69-7	PHENOL, 2-(1-METHYLETHYL)-	6.09	5	NJ
11.	UNKNOWN	6.23	4	J
12.	UNKNOWN	6.28	14	J
13. 83-33-0	1H-INDEN-1-ONE, 2,3-DIHYDRO-	6.62	6	NJ
14.	UNKNOWN	6.72	5	J
15. 5359-04-6	ETHANONE, 1-[4-(1-METHYLETHE	6.87	55	NJ
16.	UNKNOWN	7.03	3	J
17.	UNKNOWN	7.49	3	J
18.	UNKNOWN	8.03	3	J
19.	UNKNOWN	8.31	11	J
20. 4886-77-5	BENZENE, 1-METHYL-3-(METHYLT	8.36	2	NJ
21.	UNKNOWN	8.69	3	J
22.	UNKNOWN	9.15	12	J
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGK62RE

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-07RE

Sample wt/vol: 1000 (g/mL) ML Lab File ID: IA230

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 02/08/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/12/01

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	100	U
108-95-2	Phenol	100	U
111-44-4	bis(-2-Chloroethyl)Ether	100	U
95-57-8	2-Chlorophenol	100	U
95-48-7	2-Methylphenol	100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	100	U
98-86-2	Acetophenone	160	✓
106-44-5	4-Methylphenol	100	U
621-64-7	N-Nitroso-di-n-propylamine	100	U
67-72-1	Hexachloroethane	100	U
98-95-3	Nitrobenzene	100	U
78-59-1	Isophorone	100	U
88-75-5	2-Nitrophenol	100	U
105-67-9	2,4-Dimethylphenol	100	U
111-91-1	bis(-2-Chloroethoxy)methane	100	U
120-83-2	2,4-Dichlorophenol	100	U
91-20-3	Naphthalene	430	
106-47-8	4-Chloroaniline	100	U
87-68-3	Hexachlorobutadiene	100	U
105-60-2	Caprolactam	100	U
59-50-7	4-Chloro-3-Methylphenol	100	U
91-57-6	2-Methylnaphthalene	310	
77-47-4	Hexachlorocyclopentadiene	100	U
88-06-2	2,4,6-Trichlorophenol	100	U
95-95-4	2,4,5-Trichlorophenol	250	U
92-52-4	1,1'-Biphenyl	100	✓
91-58-7	2-Chloronaphthalene	100	U
88-74-4	2-Nitroaniline	250	U
131-11-3	Dimethylphthalate	100	U
606-20-2	2,6-Dinitrotoluene	100	U
208-96-8	Acenaphthylene	100	U
99-09-2	3-Nitroaniline	250	U
83-32-9	Acenaphthene	43	J

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGK62RE

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-07RE

Sample wt/vol: 1000 (g/mL) ML Lab File ID: IA230

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 02/08/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/12/01

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	250	U
100-02-7	4-Nitrophenol	250	U
132-64-9	Dibenzofuran	100	U
121-14-2	2,4-Dinitrotoluene	100	U
84-66-2	Diethylphthalate	100	U
86-73-7	Fluorene	83	J
7005-72-3	4-Chlorophenyl-phenylether	100	U
100-01-6	4-Nitroaniline	250	U
534-52-1	4,6-Dinitro-2-methylphenol	250	U
86-30-6	N-nitrosodiphenylamine (1)	100	U
101-55-3	4-Bromophenyl-phenylether	100	U
118-74-1	Hexachlorobenzene	100	U
1912-24-9	Atrazine	100	U
87-86-5	Pentachlorophenol	250	U
85-01-8	Phenanthrene	240	
120-12-7	Anthracene	100	U
86-74-8	Carbazole	100	U
84-74-2	Di-n-butylphthalate	100	U
206-44-0	Fluoranthene	39	J
129-00-0	Pyrene	56	J
85-68-7	Butylbenzylphthalate	100	U
91-94-1	3,3'-Dichlorobenzidine	100	U
56-55-3	Benzo(a)anthracene	17	J
218-01-9	Chrysene	41	J
117-81-7	bis(2-Ethylhexyl)phthalate	66	J
117-84-0	Di-n-octylphthalate	100	U
205-99-2	Benzo(b)fluoranthene	100	U
207-08-9	Benzo(k)fluoranthene	100	U
50-32-8	Benzo(a)pyrene	100	U
193-39-5	Indeno(1,2,3-cd)pyrene	100	U
53-70-3	Dibenzo(a,h)anthracene	100	U
191-24-2	Benzo(g,h,i)perylene	100	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FGK62RE

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-07RE

Sample wt/vol: 1000 (g/mL) ML Lab File ID: IA230

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:02/08/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/12/01

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 98-82-8	BENZENE, (1-METHYLETHYL)-	4.14	3600	NJB
2. 98-82-8	BENZENE, (1-METHYLETHYL)-	4.25	2100	NJB
3.	UNKNOWN	4.69	1000	J
4. 54125-39-2	TRANS-2,3-EPOXYDECANE	4.99	1600	NJ
5.	UNKNOWN	6.07	21	J
6.	UNKNOWN	7.04	200	J
7. 1127-76-0	NAPHTHALENE, 1-ETHYL-	7.75	91	NJ
8. 571-61-9	NAPHTHALENE, 1,5-DIMETHYL-	7.84	93	NJ
9.	UNKNOWN	8.10	44	J
10.	UNKNOWN	8.63	30	J
11.	UNKNOWN	8.72	360	J
12. 2719-63-3	BENZENE, (1-BUTYLOCTYL)-	9.72	91	NJ
13.	UNKNOWN	9.78	55	J
14. 3386-33-2	OCTADECANE, 1-CHLORO-	13.39	140	NJ
15.	UNKNOWN	16.18	170	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGK82

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA161

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 02/01/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(-2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(-2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGK82

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA161

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 02/01/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FGK82

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA161

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:02/01/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	11.63	3	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGK83

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-09

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA159

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 02/01/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(-2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1	J
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(-2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGK83

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-09

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA159

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 02/01/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FGK83

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-09

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AA159

Level: (low/med) LOW Date Received: 01/27/01

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:02/01/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/06/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 6576-93-8	1,2,5-TRITHIEPANE	7.26	3	NJ
2.	UNKNOWN	11.79	6	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G6

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-13

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A1706702

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 01/27/01

Extraction: (Type) SEPF Date Extracted: 02/01/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 02/07/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G7

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-14

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A1706703

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 01/27/01

Extraction: (Type) SEPF Date Extracted: 02/01/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 02/07/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.48	P
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.092	P
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.085	P
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G8

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-12

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A1706738

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 01/27/01

Extraction: (Type) SEPF Date Extracted: 02/01/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/09/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.19	P
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.42	P
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G8DL

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-12DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A1706713

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 01/27/01

Extraction: (Type) SEPF Date Extracted: 02/01/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/08/01

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.50	U
319-85-7	beta-BHC	0.50	U
319-86-8	delta-BHC	0.50	U
58-89-9	gamma-BHC (Lindane)	0.59	DP
76-44-8	Heptachlor	0.50	U
309-00-2	Aldrin	0.50	U
1024-57-3	Heptachlor epoxide	0.50	U
959-98-8	Endosulfan I	0.50	U
60-57-1	Dieldrin	1.0	U
72-55-9	4,4'-DDE	1.0	U
72-20-8	Endrin	1.0	U
33213-65-9	Endosulfan II	1.0	U
72-54-8	4,4'-DDD	1.0	U
1031-07-8	Endosulfan sulfate	1.0	U
50-29-3	4,4'-DDT	1.4	DP
72-43-5	Methoxychlor	~~2.5~~	~~U~~ 5.0U
53494-70-5	Endrin ketone	1.0	U
7421-93-4	Endrin aldehyde	1.0	U
5103-71-9	alpha-Chlordane	~~1.0~~	~~U~~ 0.5U
5103-74-2	gamma-Chlordane	~~1.0~~	~~U~~ 0.5U
8001-35-2	Toxaphene	50	U
12674-11-2	Aroclor-1016	10	U
11104-28-2	Aroclor-1221	20	U
11141-16-5	Aroclor-1232	~~1.0~~	~~U~~ 10U
53469-21-9	Aroclor-1242	~~1.0~~	~~U~~ 10U
12672-29-6	Aroclor-1248	~~1.0~~	~~U~~ 10U
11097-69-1	Aroclor-1254	~~1.0~~	~~U~~ 10U
11096-82-5	Aroclor-1260	~~1.0~~	~~U~~ 10U

page 973
Revised
cl 3/9/01

JJ
4-3-0

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G9

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A1706696

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 01/27/01

Extraction: (Type) SEPF Date Extracted: 02/01/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 02/07/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.75	P
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.33	P
76-44-8	Heptachlor	0.15	P
309-00-2	Aldrin	0.096	P
1024-57-3	Heptachlor epoxide	1.3	EP
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.32	P
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.053	
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05G9DL

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-08DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A1706715

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 01/27/01

Extraction: (Type) SEPF Date Extracted: 02/01/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 02/08/01

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.50	U
319-85-7	beta-BHC	0.73	DP
319-86-8	delta-BHC	0.50	U
58-89-9	gamma-BHC (Lindane)	0.50	U
76-44-8	Heptachlor	0.50	U
309-00-2	Aldrin	0.50	U
1024-57-3	Heptachlor epoxide	1.5	DP
959-98-8	Endosulfan I	0.50	U
60-57-1	Dieldrin	1.0	U
72-55-9	4,4'-DDE	1.0	U
72-20-8	Endrin	1.0	U
33213-65-9	Endosulfan II	1.0	U
72-54-8	4,4'-DDD	1.0	U
1031-07-8	Endosulfan sulfate	1.0	U
50-29-3	4,4'-DDT	1.0	U
72-43-5	Methoxychlor	5.0	U
53494-70-5	Endrin ketone	1.0	U
7421-93-4	Endrin aldehyde	1.0	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	50	U
12674-11-2	Aroclor-1016	10	U
11104-28-2	Aroclor-1221	20	U
11141-16-5	Aroclor-1232	10	U
53469-21-9	Aroclor-1242	10	U
12672-29-6	Aroclor-1248	10	U
11097-69-1	Aroclor-1254	10	U
11096-82-5	Aroclor-1260	10	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F05H4

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A1706698

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 01/27/01

Extraction: (Type) SEPF Date Extracted: 02/01/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 02/07/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGK62

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A1706695

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 01/27/01

Extraction: (Type) SEPF Date Extracted: 02/01/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 02/07/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.34	P
319-85-7	beta-BHC	0.25	P
319-86-8	delta-BHC	0.060	P
58-89-9	gamma-BHC (Lindane)	0.21	P
76-44-8	Heptachlor	0.17	
309-00-2	Aldrin	0.099	P
1024-57-3	Heptachlor epoxide	0.58	P
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.13	P
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGK62DL

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-07DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A1706714

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 01/27/01

Extraction: (Type) SEPF Date Extracted: 02/01/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 02/08/01

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.50	U
319-85-7	beta-BHC	0.50	U
319-86-8	delta-BHC	0.50	U
58-89-9	gamma-BHC (Lindane)	0.50	U
76-44-8	Heptachlor	0.50	U
309-00-2	Aldrin	0.50	U
1024-57-3	Heptachlor epoxide	0.50	U
959-98-8	Endosulfan I	0.50	U
60-57-1	Dieldrin	1.0	U
72-55-9	4,4'-DDE	1.0	U
72-20-8	Endrin	1.0	U
33213-65-9	Endosulfan II	1.0	U
72-54-8	4,4'-DDD	1.0	U
1031-07-8	Endosulfan sulfate	1.0	U
50-29-3	4,4'-DDT	1.0	U
72-43-5	Methoxychlor	5.0	U
53494-70-5	Endrin ketone	1.0	U
7421-93-4	Endrin aldehyde	1.0	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	50	U
12674-11-2	Aroclor-1016	10	U
11104-28-2	Aroclor-1221	20	U
11141-16-5	Aroclor-1232	10	U
53469-21-9	Aroclor-1242	10	U
12672-29-6	Aroclor-1248	10	U
11097-69-1	Aroclor-1254	10	U
11096-82-5	Aroclor-1260	10	U

47122

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGK82

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A1706699

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 01/27/01

Extraction: (Type) SEPF Date Extracted: 02/01/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 02/07/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

concentrations above the CRQL's require qualification. The reviewer qualified the results as estimated and biased low for the following affected analytes:

1,2-dichloroethane in sample F05G8DL;

methylene chloride in sample F05G9DL; and

methylene chloride, 1,1,1-trichloroethane, and trichloroethene in sample FGK62DL.

SMC3, 1,2-dichloroethane-d4, has a zero percent recovery for sample F05G7 and a low recovery for sample FGK62. The reviewer verified that the excessive amount of target compound 1,2-dichloroethane (the undeuterated isomer of SMC3) in sample F05G7 and a closely eluting TIC in sample FGK62 overloaded the column and obscured the detection of SMC3. The reanalyses at 5000X dilution for both samples have acceptable SMC3 recoveries probably because of diluting out of the matrix effects. Since the matrix effects seem to be localized and do not interfere with the analysis of other analytes, no results were qualified.

BNA Sample FGK62 was re-extracted because of low surrogate recoveries, but the required dilution diluted out the surrogates in the reanalysis. Without usable surrogate information, the reanalysis could not be used to demonstrate matrix effect. The original analysis data are designated for use for sample FGK62 as discussed in the "Comments" section, but the results for all base/neutral compounds were qualified as estimated and biased low because of low recoveries for two base/neutral SMC's.

Pest/PCB The DCB surrogate recoveries are below the QC limits for samples F05G9, FGK82, and FGK82MS/MSD. Since the recoveries are within the expanded Region 6 QC window, result qualification is unnecessary. Coeluting matrix interferences caused very high or zero percent surrogate recoveries for samples F05G7, F05G8, F05G9, and FGK62. Since these outlying recoveries were not caused by extraction problems, no results were qualified. The effect of coeluting matrix interferences on the target compound detection is discussed in sec. 9 of this report.

6. **Matrix Spike/Matrix Spike Duplicate (MS/MSD):** Acceptable. The MS recovery exceeded the QC limit for VOA compound trichloroethene. Since this analyte was not detected in the unspiked sample, no results were qualified. Other MS/MSD results met QC guidelines for precision and %recovery.

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGK83

Lab Name: CEIMIC CORP Contract: 68-W-99-065

Lab Code: CEIMIC Case No.: 28927 SAS No.: SDG No.: F02KL

Matrix: (soil/water) WATER Lab Sample ID: 010069-09

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A1706697

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 01/27/01

Extraction: (Type) SEPF Date Extracted: 02/01/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 02/07/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U