UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
ENVIRONMENTAL SCIENCE CENTER
701 MAPES ROAD
FORT MEADE, MD 20755-5350

ORIGINAL (Red)

SDMS DocID 2055945

DATE : June 8, 2000

SUBJECT: Region III Data QA Review

FROM : Fredrick Foreman FF
Region III ESAT RPO (3ES20)

TO : William Wentworth
Regional Program Manager (3HS34)

Attached is the organic data validation report for the New Jersey Fireworks site (Case#: 27981, SDG#: CSL45, CSL55) completed by the Region III Environmental Services Assistance Team (ESAT) contractor under the direction of Region III ESD.

If you have any questions regarding this review, please call me at (410) 305-2629.

Attachment

cc: Alan Fong (MDE)

WA File: 0300402 TDF# 0541

OFFICE OF ANAYTICAL SERVICES AND QUALITY ASSURANCE

Lockheed Martin Environmental Services
US EPA Environmental Science Center
701 Mapes Road Ft. Meade, MD 20755-5350
Telephone 410-305-3037 Facsimile 410-305-3597

ORIGINAL (Red)

LOCKHEED MARTIN

DATE: June 7, 2000

SUBJECT: Level M3 Organic Data Validation for Case 27981
SDGs: CSL45 and CSL55
Site: New Jersey Fireworks

FROM: [redacted] Organic Data Reviewer
[redacted] HL Senior Organic Data Reviewer

TO: Fredrick Foreman
ESAT Regional Project Officer

OVERVIEW

Case 27981, Sample Delivery Groups (SDGs) CSL45 and CSL55, consisted of twelve (12) aqueous and fourteen (14) soil samples submitted to Envirosystems, Inc. (ENVSYS) for volatile, semivolatile and pesticide/PCB analyses. The sample set included one (1) trip blank, one (1) field blank, one (1) aqueous field duplicate pair and one (1) soil field duplicate pair. The trip blank was analyzed solely for volatiles. Samples were analyzed according to Contract Laboratory Program (CLP) Statement of Work (SOW) OLM04.2 through Routine Analytical Services (RAS) program.

SUMMARY

Data were validated according to Region III Modifications to the National Functional Guidelines for Organic Data Review, Level M3. All samples were successfully analyzed for all target compounds except those qualified "R" as noted in "MAJOR PROBLEMS" section.

MAJOR PROBLEMS

- Response Factors (RFs) were less than 0.05 for 3-nitroaniline in semivolatile initial and/or continuing calibrations. No positive results were reported for 3-nitroaniline. Quantitation limits for this compound in all samples were rejected and qualified "R" on Data Summary Forms (DSFs).

- Pesticide/PCB soil samples CSL66 and CSL68 had recoveries of both surrogates less than or equal to ten percent ($\leq 10\%$) on both analytical columns. Examination of the chromatograms did not reveal the cause of these low surrogate recoveries. No positive results were reported. Quantitation limits were qualified "R".

MINOR PROBLEMS

- Semivolatile soil sample CSL60, collected 04/20/00, was re-extracted 5/5/00 due to surrogate outliers in the initial extraction. Although no extraction holding time has been established for soil samples, the technical holding time of seven (7) days for aqueous samples has been exceeded by eight (8) days. Aqueous technical holding time criteria were applied. Positive results were qualified "J", except when superseded by "B". Quantitation limits were qualified "UJ", except when superseded by "R". Contractual holding time of ten (10) days from Validated Time of Sample Receipt (VTSR) has been exceeded by three (3) days.

- Several compounds failed precision criteria [Percent Relative Standard Deviation (%RSD) and/or Percent Difference (% D)] in volatile and semivolatile initial and/or continuing calibrations. Positive results were qualified "J". Quantitation limits were qualified "UJ" for those compounds with a %D greater than fifty percent (> 50%), except when superseded by "R".

- Positive results for pesticide/PCB compounds with percent differences (%D) greater than twenty-five percent (>25%) between the two analytical columns were qualified "J". See Data Summary Forms (DSFs) in Appendix B and Form X Pest-1 for %D in Appendix E.

- Area counts for Internal Standards (ISs) were outside required QC limits for volatile initial and re-analyses of samples CSL60 and CSL67 (SDG CSL55) as listed below. Results for sample CSL60 were reported from the re-analysis and identified on the DSF by the suffix "RE". Results for sample CSL67 were reported from the initial analysis. The positive result for toluene in sample CSL60 was qualified "J". Quantitation limits for affected compounds were qualified "UJ" based on these internal standard outliers.

	Area Counts		
Sample Number	IS1	IS2	IS3
CSL60		low	low
CSL60 RE			low
CSL67			low
CSL67 RE			low

IS1 = bromochloromethane, IS2 = 1,4-difluorobenzene, IS3 = chlorobenzene-d5

- Semivolatile analyses of samples CSL49 and CSL51 through CSL54 (SDG CSL45) had recoveries of base/neutral surrogates 2-fluorobiphenyl and terphenyl-d14 outside lower Quality Control (QC) limits. Additionally, samples CSL51 and CSL52 had nitrobenzene-d5 and advisory acid surrogate 2-chlorophenol-d4 outside lower QC limits. These samples were not reanalyzed due to insufficient sample volume. No positive results were reported. Quantitation limits for base/neutral compounds in these samples were qualified "UL", except when superseded by "UJ" or "R".

- Pesticide/PCB analysis of sample CSL45 (SDG CSL45) had recoveries of both surrogates (tetrachloro-m-xylene (TCX) and decachlorobiphenyl (DCB)) outside the lower QC limit on both analytical columns. No positive results were reported. Quantitation limits were qualified "UL".

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- Pesticide/PCB analyses of samples CSL49 and CSL53 (SDG CSL45) had recoveries of surrogate DCB outside the lower QC limit on both analytical columns. Positive results were qualified "J". Quantitation limits were qualified "UJ".

NOTES

- Semivolatile soil samples CSL62 and CSL67, collected 04/21/00, were re-extracted 5/5/00 due to surrogate outliers in the initial extraction. Although no extraction holding time has been established for soil samples, the technical holding time of seven (7) days for aqueous samples has been exceeded by seven (7) days. Contractual holding time of ten (10) days from Validated Time of Sample Receipt (VTSR) was exceeded by three (3) days. Due to persistence of these compounds in the soil environment, no data were qualified.

- All raw data supporting semivolatile tune standards dated 05/01/00 at 09:05 and 05/04/00 at 14:05 were not present in SDG CSL55.

- Maximum concentrations of all target compounds found in analyses of trip, field, method and storage blanks are listed below. Samples with concentrations of these common laboratory contaminants less than ten times (< 10X) blank concentration have been qualified "B".

Compound	Concentration
diethylphthalate*	5 J µg/L
di-n-butylphthalate*	85 J µg/Kg

* common laboratory contaminant

- Semivolatile analyses of samples CSL45, CSL47, CSL48, CSL70 (SDG CSL45), and CSL65 (SDG CSL55) had recoveries for base/neutral surrogates 2-fluorobiphenyl outside lower QC limits. Additionally, sample CSL65 had advisory base/neutral surrogate 1,2-dichlorobenzene-d4 outside lower QC limits. No data were qualified based on single base/neutral surrogate recovery outliers or the advisory base/neutral surrogate.

- Pesticide/PCB analyses of samples CSL50, CSL54 (SDG CSL45) and CSL67 (SDG CSL55) had recovery of surrogate decachlorobiphenyl (DCB) outside lower QC limits on one analytical column. No data were qualified based on these single surrogate outliers.

- Semivolatile Matrix Spike/Matrix Spike Duplicate (MS/MSD) analyses of sample CSL62 (SDG CSL55) had recovery of n-nitroso-di-n-propylamine below the lower QC limits. No data were qualified based on these MS/MSD outliers.

- Pesticide/PCB Matrix Spike/Matrix Spike Duplicate (MS/MSD) analyses of sample CSL45 (SDG CSL45) had recovery of endrin above the upper QC limits. No data were qualified based on these MS/MSD outliers.

- Tentatively identified compounds (TICs) in Appendix D were reviewed during data validation. Compounds identified as aldol condensation products, blank and common laboratory contaminants were crossed off the TIC Form Is by reviewer.

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- Compounds detected below Contract Required Quantitation Limits (CRQLs) were qualified "J", except when superseded by "B". See DSFs in Appendix B.

- Volatile Forms 1A, 1B and 1F for sample CSL65 (SDG CSL55) incorrectly indicated the date received as 04/22/00 instead of 04/24/00. These forms and a memo to file were submitted by the laboratory correcting this date.

- No heated purge was indicated for any of the volatile soil samples on Form V VOA. A heated purge should be used for low level soil/sediment analysis.

- Several discrepancies were noted between percent moistures indicated on sample Form Is and those indicated by the percent moisture determinations. Specifically, discrepancies were noted for volatile sample CSL61 (SDG CSL55), semivolatile samples CSL57 and CSL69 (SDG CSL55) and pesticide/PCB samples CSL56, CSL61 and CSL68 (SDG CSL55). Percent moistures are correctly indicated on DSFs in Appendix B. When significant, CRQLs were adjusted on Form Is by the reviewer. See "Soil Percent Moisture Determination - Gravimetric" in Appendix E.

All data for Case 27981, SDGs CSL45 and CSL55, were reviewed in accordance with Region III Modifications to the National Functional Guidelines for Organic Data Review, September 1994.

ATTACHMENTS

1)	Appendix A	Glossary of Data Qualifier Terms
2)	Appendix B	Data Summary Forms
3)	Appendix C	Form I s
4)	Appendix D	Tentatively Identified Compounds
5)	Appendix E	Support Documentation

DCN:27981.wpd

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Appendix A

Glossary of Data Qualifiers

GLOSSARY OF DATA QUALIFIER CODES (ORGANIC)

CODES RELATED TO IDENTIFICATION

(confidence concerning presence or absence of compounds)

U = Not detected. The associated number indicates approximate sample concentration necessary to be detected.

NO CODE = Confirmed identification.

B = Not detected substantially above the level reported in laboratory or field blanks.

R = Unusable result. Analyte may or may not be present in the sample. Supporting data necessary to confirm result.

N = Tentative identification. Consider present. Special methods may be needed to confirm its presence or absence in future sampling efforts.

CODES RELATED TO QUANTITATION

(can be used for both positive results and sample quantitation limits):

J = Analyte present. Reported value may not be accurate or precise.

K = Analyte present. Reported value may be biased high. Actual value is expected to be lower.

L = Analyte present. Reported value may be biased low. Actual value is expected to be higher.

UJ = Not detected, quantitation limit may be inaccurate or imprecise.

UL = Not detected, quantitation limit is probably higher.

OTHER CODES

NJ = Qualitative identification questionable due to poor resolution. Presumptively present at approximate quantity.

Q = No analytical result.

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Appendix B

Data Summary Forms

DATA SUMMARY FORM: VOLATILES

Case #: 27981 | SDG : CSL45 | Number of Soil Samples : 0
Site : NEW JERSEY FIREWORKS | Number of Water Samples : 12
Lab. : ENVSYS

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Sample Number :		CSL45		CSL46		CSL47		CSL48		CSL49	
Sampling Location :		GW-1		GW-2		GW-3		GW-4		GW-5	
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		04/20/2000		04/20/2000		04/20/2000		04/20/2000		04/20/2000	
Time Sampled :		12:30		10:30		11:15		10:45		10:15	
%Moisture :		N/A		N/A		N/A		N/A		N/A	
pH :		2		2		2		2		2	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10										
Chloromethane	10										
*Vinyl Chloride	10										
Bromomethane	10										
Chloroethane	10										
Trichlorofluoromethane	10										
1,1-Dichloroethene	10										
1,1,2-Trichloro-1,2,2-trifluoroethane	10										
Acetone	10										
Carbon Disulfide	10										
Methyl Acetate	10										
*Methylene Chloride	10										
trans-1,2-Dichloroethene	10										
Methyl tert-Butyl Ether	10										
1,1-Dichloroethane	10										
cis-1,2-Dichloroethene	10										
*2-Butanone	10										
Chloroform	10										
*1,1,1-Trichloroethane	10										
Cyclohexane	10										
*Carbon Tetrachloride	10										
*Benzene	10										
*1,2-Dichloroethane	10										
Trichloroethene	10										
Methylcyclohexane	10										
*1,2-Dichloropropane	10										
Bromodichloromethane	10										
cis-1,3-Dichloropropene	10										
4-Methyl-2-pentanone	10										
*Toluene	10										
trans-1,3-Dichloropropene	10										
1,1,2-Trichloroethane	10										
*Tetrachloroethene	10										

CRQL = Contract Required Quantitation Limit
To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

SEE NARRATIVE FOR CODE DEFINITIONS
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ORIGINAL (Red)

DATA SUMMARY FORM: VOLATILES

Case #: 27981 SDG : CSL45
Site : NEW JERSEY FIREWORKS
Lab. : ENVSYS

Sample Number :		CSL45		CSL46		CSL47		CSL48		CSL49	
Sampling Location :		GW-1		GW-2		GW-3		GW-4		GW-5	
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		04/20/2000		04/20/2000		04/20/2000		04/20/2000		04/20/2000	
Time Sampled :		12:30		10:30		11:15		10:45		10:15	
%Moisture :		N/A		N/A		N/A		N/A		N/A	
pH :		2		2		2		2		2	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	10										
Dibromochloromethane	10										
1,2-Dibromoethane	10										
*Chlorobenzene	10										
*Ethylbenzene	10										
Xylenes (total)	10										
Styrene	10										
Bromoform	10										
Isopropylbenzene	10										
1,1,2,2-Tetrachloroethane	10										
*1,3-Dichlorobenzene	10										
*1,4-Dichlorobenzene	10										
1,2-Dichlorobenzene	10										
1,2-Dibromo-3-chloropropane	10										
1,2,4-Trichlorobenzene	10										

CRQL = Contract Required Quantitation Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits multiply the CRQL by the Dilution Factor Revised 09/99

DATA SUMMARY FORM: VOLATILES

ORIGINAL (Red)

Case #: 27981
Site :
Lab. :

SDG : CSL45
NEW JERSEY FIREWORKS
ENVSYS

Sample Number :		CSL50		CSL51		CSL52		CSL53		CSL54	
Sampling Location :		SW-1		SW-2		SW-3		SW-4		SW-5	
Field QC:								Duplicate(CSL54)		Duplicate(CSL53)	
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		04/20/2000		04/20/2000		04/20/2000		04/20/2000		04/20/2000	
Time Sampled :		12:00		10:00		09:45		11:15		13:00	
%Moisture :		N/A		N/A		N/A		N/A		N/A	
pH :		2		2		2		2		2	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10										
Chloromethane	10										
*Vinyl Chloride	10										
Bromomethane	10										
Chloroethane	10										
Trichlorofluoromethane	10										
*1,1-Dichloroethene	10										
1,1,2-Trichloro-1,2,2-trifluoroethane	10										
Acetone	10										
Carbon Disulfide	10										
Methyl Acetate	10										
*Methylene Chloride	10										
trans-1,2-Dichloroethene	10										
Methyl tert-Butyl Ether	10										
1,1-Dichloroethane	10										
cis-1,2-Dichloroethene	10										
*2-Butanone	10										
Chloroform	10										
*1,1,1-Trichloroethane	10										
Cyclohexane	10										
*Carbon Tetrachloride	10										
*Benzene	10										
*1,2-Dichloroethane	10										
Trichloroethene	10										
Methylcyclohexane	10										
*1,2-Dichloropropane	10										
Bromodichloromethane	10										
cis-1,3-Dichloropropene	10										
4-Methyl-2-pentanone	10										
*Toluene	10										
trans-1,3-Dichloropropene	10										
1,1,2-Trichloroethane	10										
*Tetrachloroethene	10										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

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ORIGINAL (Red)

DATA SUMMARY FORM: VOLATILES

Case #: 27981 SDG : CSL45
Site : NEW JERSEY FIREWORKS
Lab. : ENVSYS

Sample Number :		CSL50		CSL51		CSL52		CSL53		CSL54	
Sampling Location :		SW-1		SW-2		SW-3		SW-4		SW-5	
Field QC:								Duplicate(CSL54)		Duplicate(CSL53)	
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		04/20/2000		04/20/2000		04/20/2000		04/20/2000		04/20/2000	
Time Sampled :		12:00		10:00		09:45		11:15		13:00	
%Moisture :		N/A		N/A		N/A		N/A		N/A	
pH :		2		2		2		2		2	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	10										
Dibromochloromethane	10										
1,2-Dibromoethane	10										
*Chlorobenzene	10										
*Ethylbenzene	10										
Xylenes (total)	10										
*Styrene	10										
Bromoform	10										
Isopropylbenzene	10										
1,1,2,2-Tetrachloroethane	10										
*1,3-Dichlorobenzene	10										
*1,4-Dichlorobenzene	10										
1,2-Dichlorobenzene	10										
1,2-Dibromo-3-chloropropane	10										
1,2,4-Trichlorobenzene	10										

CRQL = Contract Required Quantitation Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits multiply the CRQL by the Dilution Factor Revised 09/99

Case #: 27981
Site :
Lab. :

SDG : CSL45
NEW JERSEY FIREWORKS
ENVSYS

ORIGINAL (Red)

Sample Number :		CSL70		CSL71							
Sampling Location :		FB-1		TB-1							
Field QC:		Field Blank		Trip Blank							
Matrix :		Water		Water							
Units :		ug/L		ug/L							
Date Sampled :		04/20/2000		04/20/2000							
Time Sampled :		10:00		09:45							
%Moisture :		N/A		N/A							
pH :		2		2							
Dilution Factor :		1.0		1.0							
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10										
Chloromethane	10										
*Vinyl Chloride	10										
Bromomethane	10										
Chloroethane	10										
Trichlorofluoromethane	10										
*1,1-Dichloroethene	10										
1,1,2-Trichloro-1,2,2-trifluoroethane	10										
Acetone	10										
Carbon Disulfide	10										
Methyl Acetate	10										
*Methylene Chloride	10										
trans-1,2-Dichloroethene	10										
Methyl tert-Butyl Ether	10										
1,1-Dichloroethane	10										
cis-1,2-Dichloroethene	10										
*2-Butanone	10										
Chloroform	10										
*1,1,1-Trichloroethane	10										
Cyclohexane	10										
*Carbon Tetrachloride	10										
*Benzene	10										
*1,2-Dichloroethane	10										
Trichloroethene	10										
Methylcyclohexane	10										
*1,2-Dichloropropane	10										
Bromodichloromethane	10										
cis-1,3-Dichloropropene	10										
4-Methyl-2-pentanone	10										
*Toluene	10										
trans-1,3-Dichloropropene	10										
1,1,2-Trichloroethane	10										
*Tetrachloroethene	10										

CRQL = Contract Required Quantitation Limit

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

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DATA SUMMARY FORM: VOLATILES

Case #: 27981 SDG : CSL45
Site : NEW JERSEY FIREWORKS
Lab. : ENVSYS

Sample Number :		CSL70		CSL71							
Sampling Location :		FB-1		TB-1							
Field QC:		Field Blank		Trip Blank							
Matrix :		Water		Water							
Units :		ug/L		ug/L							
Date Sampled :		04/20/2000		04/20/2000							
Time Sampled :		10:00		09:45							
%Moisture :		N/A		N/A							
pH :		2		2							
Dilution Factor :		1.0		1.0							
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	10										
Dibromochloromethane	10										
1,2-Dibromoethane	10										
*Chlorobenzene	10										
*Ethylbenzene	10										
Xylenes (total)	10										
*Styrene	10										
Bromoform	10										
Isopropylbenzene	10										
1,1,2,2-Tetrachloroethane	10										
*1,3-Dichlorobenzene	10										
*1,4-Dichlorobenzene	10										
1,2-Dichlorobenzene	10										
1,2-Dibromo-3-chloropropane	10										
1,2,4-Trichlorobenzene	10										

CRQL = Contract Required Quantitation Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits multiply the CRQL by the Dilution Factor Revised 09/99

ORIGINAL (Red)

DATA SUMMARY FORM: VOLATILES

Case #: 27981 SDG : CSL55 Number of Soil Samples : 14
Site : NEW JERSEY FIREWORKS Number of Water Samples : 0
Lab. : ENVSYS

Sample Number :		CSL55		CSL56		CSL57		CSL58		CSL60RE	
Sampling Location :		SED-1		SED-2		SED-3		SED-4		S-1	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		04/20/2000		04/20/2000		04/20/2000		04/20/2000		04/20/2000	
Time Sampled :		12:00		10:00		07:45		11:05		12:45	
%Moisture :		15		24		44		26		24	
pH :											
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10										
Chloromethane	10										
Vinyl Chloride	10										
Bromomethane	10										
Chloroethane	10										
Trichlorofluoromethane	10										
1,1-Dichloroethene	10										
1,1,2-Trichloro-1,2,2-trifluoroethane	10										
Acetone	10										
Carbon Disulfide	10										
Methyl Acetate	10										
Methylene Chloride	10										
trans-1,2-Dichloroethene	10										
Methyl tert-Butyl Ether	10										
1,1-Dichloroethane	10										
cis-1,2-Dichloroethene	10										
2-Butanone	10										
Chloroform	10										
1,1,1-Trichloroethane	10										
Cyclohexane	10										
Carbon Tetrachloride	10										
Benzene	10										
1,2-Dichloroethane	10										
Trichloroethene	10										
Methylcyclohexane	10										
1,2-Dichloropropane	10										
Bromodichloromethane	10										
cis-1,3-Dichloropropene	10										
4-Methyl-2-pentanone	10										UJ
Toluene	10									4	J
trans-1,3-Dichloropropene	10										
1,1,2-Trichloroethane	10										
Tetrachloroethene	10										UJ

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

Revised 09/99

ORIGINAL (Red)

DATA SUMMARY FORM: VOLATILES

Case #: 27981 SDG : CSL55
Site : NEW JERSEY FIREWORKS
Lab. : ENVSYS

Sample Number :		CSL55		CSL56		CSL57		CSL58		CSL60RE	
Sampling Location :		SED-1		SED-2		SED-3		SED-4		S-1	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		04/20/2000		04/20/2000		04/20/2000		04/20/2000		04/20/2000	
Time Sampled :		12:00		10:00		07:45		11:05		12:45	
%Moisture :		15		24		44		26		24	
pH :											
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	10										UJ
Dibromochloromethane	10										
1,2-Dibromoethane	10										UJ
Chlorobenzene	10										UJ
Ethylbenzene	10										UJ
Xylenes (total)	10										UJ
Styrene	10										UJ
Bromoform	10										
Isopropylbenzene	10										UJ
1,1,2,2-Tetrachloroethane	10										UJ
1,3-Dichlorobenzene	10										UJ
1,4-Dichlorobenzene	10										UJ
1,2-Dichlorobenzene	10										UJ
1,2-Dibromo-3-chloropropane	10										UJ
1,2,4-Trichlorobenzene	10										UJ

CRQL = Contract Required Quantitation Limit SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100 Revised 09/99

ORIGINAL (Red)

DATA SUMMARY FORM: VOLATILES

Case #: 27981 SDG : CSL55
Site : NEW JERSEY FIREWORKS
Lab. : ENVSYS

Sample Number :		CSL61		CSL62		CSL63		CSL64		CSL65	
Sampling Location :		S-2		S-3		S-4		S-5		S-6	
Field QC:						Duplicate(CSL69)					
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		04/21/2000		04/21/2000		04/21/2000		04/20/2000		04/21/2000	
Time Sampled :		08:45		08:30		09:00		10:05		09:25	
%Moisture :		24		18		18		31		12	
pH :											
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10										
Chloromethane	10										
Vinyl Chloride	10										
Bromomethane	10										
Chloroethane	10										
Trichlorofluoromethane	10										
1,1-Dichloroethene	10					8	J				
1,1,2-Trichloro-1,2,2-trifluoroethane	10										
Acetone	10							37	J		
Carbon Disulfide	10										
Methyl Acetate	10										
Methylene Chloride	10										
trans-1,2-Dichloroethene	10										
Methyl tert-Butyl Ether	10										
1,1-Dichloroethane	10					3	J				
cis-1,2-Dichloroethene	10										
2-Butanone	10										
Chloroform	10										
1,1,1-Trichloroethane	10					16					
Cyclohexane	10										
Carbon Tetrachloride	10										
Benzene	10										
1,2-Dichloroethane	10										
Trichloroethene	10										
Methylcyclohexane	10										
1,2-Dichloropropane	10										
Bromodichloromethane	10										
cis-1,3-Dichloropropene	10										
4-Methyl-2-pentanone	10										
Toluene	10										
trans-1,3-Dichloropropene	10										
1,1,2-Trichloroethane	10										
Tetrachloroethene	10					9	J				

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

Revised 09/99

ORIGINAL (Red)

DATA SUMMARY FORM: VOLATILES

Case #: 27981 SDG : CSL55
Site : NEW JERSEY FIREWORKS
Lab. : ENVSYS

Sample Number :		CSL61		CSL62		CSL63		CSL64		CSL65	
Sampling Location :		S-2		S-3		S-4		S-5		S-6	
Field QC:						Duplicate(CSL69)					
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		04/21/2000		04/21/2000		04/21/2000		04/20/2000		04/21/2000	
Time Sampled :		08:45		08:30		09:00		10:05		09:25	
%Moisture :		24		18		18		31		12	
pH :											
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	10										
Dibromochloromethane	10										
1,2-Dibromoethane	10										
Chlorobenzene	10										
Ethylbenzene	10										
Xylenes (total)	10										
Styrene	10										
Bromoform	10										
Isopropylbenzene	10										
1,1,2,2-Tetrachloroethane	10										
1,3-Dichlorobenzene	10										
1,4-Dichlorobenzene	10										
1,2-Dichlorobenzene	10										
1,2-Dibromo-3-chloropropane	10										
1,2,4-Trichlorobenzene	10										

CRQL = Contract Required Quantitation Limit SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100 Revised 09/99

ORIGINAL (Red)

DATA SUMMARY FORM: VOLATILES

Case #: 27981 SDG : CSL55
Site : NEW JERSEY FIREWORKS
Lab. : ENVSYS

Sample Number :		CSL66		CSL67		CSL68		CSL69			
Sampling Location :		S-7		S-8		S-9		S-10			
Field QC:								Duplicate(CSL63)			
Matrix :		Soil		Soil		Soil		Soil			
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg			
Date Sampled :		04/21/2000		04/21/2000		04/21/2000		04/21/2000			
Time Sampled :		09:50		09:40		09:45		09:00			
%Moisture :		18		19		18		29			
pH :											
Dilution Factor :		1.0		1.0		1.0		1.0			
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10										
Chloromethane	10										
Vinyl Chloride	10										
Bromomethane	10										
Chloroethane	10										
Trichlorofluoromethane	10										
1,1-Dichloroethene	10										
1,1,2-Trichloro-1,2,2-trifluoroethane	10										
Acetone	10										
Carbon Disulfide	10										
Methyl Acetate	10										
Methylene Chloride	10										
trans-1,2-Dichloroethene	10										
Methyl tert-Butyl Ether	10										
1,1-Dichloroethane	10										
cis-1,2-Dichloroethene	10										
2-Butanone	10					14	J	17	J		
Chloroform	10										
1,1,1-Trichloroethane	10										
Cyclohexane	10										
Carbon Tetrachloride	10										
Benzene	10										
1,2-Dichloroethane	10										
Trichloroethene	10										
Methylcyclohexane	10										
1,2-Dichloropropane	10										
Bromodichloromethane	10										
cis-1,3-Dichloropropene	10										
4-Methyl-2-pentanone	10				UJ						
Toluene	10				UJ						
trans-1,3-Dichloropropene	10										
1,1,2-Trichloroethane	10										
Tetrachloroethene	10				UJ						

CRQL = Contract Required Quantitation Limit SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100 Revised 09/99

ORIGINAL (Red)

Case #: 27981 SDG : CSL55
Site : NEW JERSEY FIREWORKS
Lab. : ENVSYS

Sample Number :		CSL66		CSL67		CSL68		CSL69			
Sampling Location :		S-7		S-8		S-9		S-10			
Field QC:								Duplicate(CSL63)			
Matrix :		Soil		Soil		Soil		Soil			
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg			
Date Sampled :		04/21/2000		04/21/2000		04/21/2000		04/21/2000			
Time Sampled :		09:50		09:40		09:45		09:00			
%Moisture :		18		19		18		29			
pH :											
Dilution Factor :		1.0		1.0		1.0		1.0			
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	10				UJ						
Dibromochloromethane	10										
1,2-Dibromoethane	10				UJ						
Chlorobenzene	10				UJ						
Ethylbenzene	10				UJ						
Xylenes (total)	10				UJ						
Styrene	10				UJ						
Bromoform	10										
Isopropylbenzene	10				UJ						
1,1,2,2-Tetrachloroethane	10				UJ						
1,3-Dichlorobenzene	10				UJ						
1,4-Dichlorobenzene	10				UJ						
1,2-Dichlorobenzene	10				UJ						
1,2-Dibromo-3-chloropropane	10				UJ						
1,2,4-Trichlorobenzene	10				UJ						

CRQL = Contract Required Quantitation Limit SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100 Revised 09/99

DATA SUMMARY FORM: BNA

Case #: 27981 SDG : CSL45 Number of Soil Samples : 0
Site : NEW JERSEY FIREWORKS Number of Water Samples : 11
Lab. : ENVSYS

ORIGINAL (Red)

Sample Number :		CSL45		CSL46		CSL47		CSL48		CSL49	
Sampling Location :		GW-1		GW-2		GW-3		GW-4		GW-5	
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		04/20/2000		04/20/2000		04/20/2000		04/20/2000		04/20/2000	
Time Sampled :		12:30		10:30		11:15		10:45		10:15	
%Moisture :		N/A		N/A		N/A		N/A		N/A	
pH :											
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	10								UJ		UJ
Phenol	10										
bis-(2-Chloroethyl) ether	10										UL
2-Chlorophenol	10										
2-Methylphenol	10										
2,2'-oxybis(1-Chloropropane)	10										UL
Acetophenone	10										UL
4-Methylphenol	10										
N-Nitroso-di-n-propylamine	10										UL
Hexachloroethane	10										UL
Nitrobenzene	10										UL
Isophorone	10										UL
2-Nitrophenol	10										
2,4-Dimethylphenol	10										
bis(2-Chloroethoxy)methane	10										UL
2,4-Dichlorophenol	10										
Naphthalene	10										UL
4-Chloroaniline	10										UL
Hexachlorobutadiene	10										UL
Caprolactam	10										UL
4-Chloro-3-methylphenol	10										
2-Methylnaphthalene	10										UL
Hexachlorocyclopentadiene	10										UL
2,4,6-Trichlorophenol	10										
2,4,5-Trichlorophenol	25										
1,1'-Biphenyl	10										UL
2-Chloronaphthalene	10										UL
2-Nitroaniline	25										UL
Dimethylphthalate	10										UL
2,6-Dinitrotoluene	10										UL
Acenaphthylene	10										UL
3-Nitroaniline	25		R		R		R		R		R

CRQL = Contract Required Quantitation Limit SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100 Revised 09/99

ORIGINAL (Red)

Case #: 27981
Site :
Lab. :

SDG : CSL45
NEW JERSEY FIREWORKS
ENVSYS

Sample Number :		CSL45		CSL46		CSL47		CSL48		CSL49	
Sampling Location :		GW-1		GW-2		GW-3		GW-4		GW-5	
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		04/20/2000		04/20/2000		04/20/2000		04/20/2000		04/20/2000	
Time Sampled :		12:30		10:30		11:15		10:45		10:15	
%Moisture :		N/A		N/A		N/A		N/A		N/A	
pH :											
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	10										UL
2,4-Dinitrophenol	25										
4-Nitrophenol	25										
Dibenzofuran	10										UL
2,4-Dinitrotoluene	10										UL
Diethylphthalate	10										UL
Fluorene	10										UL
4-Chlorophenyl-phenyl ether	10										UL
4-Nitroaniline	25								UJ		UJ
4,6-Dinitro-2-methylphenol	25										
N-Nitrosodiphenylamine	10										UL
4-Bromophenyl-phenylether	10										UL
*Hexachlorobenzene	10										UL
Atrazine	10										UL
*Pentachlorophenol	25										
Phenanthrene	10										UL
Anthracene	10										UL
Carbazole	10		UJ		UJ		UJ		UJ		UJ
Di-n-butylphthalate	10										UL
Fluoranthene	10										UL
Pyrene	10										UL
Butylbenzylphthalate	10										UL
3,3'-Dichlorobenzidine	10										UL
Benzo(a)anthracene	10										UL
Chrysene	10										UL
bis(2-Ethylhexyl)phthalate	10										UL
Di-n-octylphthalate	10										UL
Benzo(b)fluoranthene	10										UL
Benzo(k)fluoranthene	10										UL
Benzo(a)pyrene	10										UL
Indeno(1,2,3-cd)pyrene	10										UL
Dibenzo(a,h)anthracene	10										UL
Benzo(g,h,i)perylene	10										UL

CRQL = Contract Required Quantitation Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits multiply the CRQL by the Dilution Factor

Revised 09/99

ORIGINAL (Red)

DATA SUMMARY FORM: BNA

Case #: 27981 SDG : CSL45
Site : NEW JERSEY FIREWORKS
Lab. : ENVSYS

Sample Number :		CSL50		CSL51		CSL52		CSL53		CSL54	
Sampling Location :		SW-1		SW-2		SW-3		SW-4		SW-5	
Field QC:								Duplicate(CSL54)		Duplicate(CSL53)	
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		04/20/2000		04/20/2000		04/20/2000		04/20/2000		04/20/2000	
Time Sampled :		12:00		10:00		09:45		11:15		13:00	
%Moisture :		N/A		N/A		N/A		N/A		N/A	
pH :											
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	10		UJ		UJ		UJ		UJ		UJ
Phenol	10										
bis-(2-Chloroethyl) ether	10				UL		UL		UL		UL
2-Chlorophenol	10										
2-Methylphenol	10										
2,2'-oxybis(1-Chloropropane)	10				UL		UL		UL		UL
Acetophenone	10				UL		UL		UL		UL
4-Methylphenol	10										
N-Nitroso-di-n-propylamine	10				UL		UL		UL		UL
Hexachloroethane	10				UL		UL		UL		UL
Nitrobenzene	10				UL		UL		UL		UL
Isophorone	10				UL		UL		UL		UL
2-Nitrophenol	10										
2,4-Dimethylphenol	10										
bis(2-Chloroethoxy)methane	10				UL		UL		UL		UL
2,4-Dichlorophenol	10										
Naphthalene	10				UL		UL		UL		UL
4-Chloroaniline	10				UL		UL		UL		UL
Hexachlorobutadiene	10				UL		UL		UL		UL
Caprolactam	10				UL		UL		UL		UL
4-Chloro-3-methylphenol	10										
2-Methylnaphthalene	10				UL		UL		UL		UL
Hexachlorocyclopentadiene	10				UL		UL		UL		UL
2,4,6-Trichlorophenol	10										
2,4,5-Trichlorophenol	25										
1,1'-Biphenyl	10				UL		UL		UL		UL
2-Chloronaphthalene	10				UL		UL		UL		UL
2-Nitroaniline	25				UL		UL		UL		UL
Dimethylphthalate	10				UL		UL		UL		UL
2,6-Dinitrotoluene	10				UL		UL		UL		UL
Acenaphthylene	10				UL		UL		UL		UL
3-Nitroaniline	25		R		R		R		R		R

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

Revised 09/99

ORIGINAL (Red)

DATA SUMMARY FORM: BNA

Case #: 27981 SDG : CSL45
Site : NEW JERSEY FIREWORKS
Lab. : ENVSYS

Sample Number :		CSL50		CSL51		CSL52		CSL53		CSL54	
Sampling Location :		SW-1		SW-2		SW-3		SW-4		SW-5	
Field QC:								Duplicate(CSL54)		Duplicate(CSL53)	
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		04/20/2000		04/20/2000		04/20/2000		04/20/2000		04/20/2000	
Time Sampled :		12:00		10:00		09:45		11:15		13:00	
%Moisture :		N/A		N/A		N/A		N/A		N/A	
pH :											
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	10				UL		UL		UL		UL
2,4-Dinitrophenol	25										
4-Nitrophenol	25										
Dibenzofuran	10				UL		UL		UL		UL
2,4-Dinitrotoluene	10				UL		UL		UL		UL
Diethylphthalate	10				UL		UL		UL		UL
Fluorene	10				UL		UL		UL		UL
4-Chlorophenyl-phenyl ether	10				UL		UL		UL		UL
4-Nitroaniline	25		UJ		UJ		UJ		UJ		UJ
4,6-Dinitro-2-methylphenol	25										
N-Nitrosodiphenylamine	10				UL		UL		UL		UL
4-Bromophenyl-phenylether	10				UL		UL		UL		UL
*Hexachlorobenzene	10				UL		UL		UL		UL
Atrazine	10				UL		UL		UL		UL
*Pentachlorophenol	25										
Phenanthrene	10				UL		UL		UL		UL
Anthracene	10				UL		UL		UL		UL
Carbazole	10		UJ		UJ		UJ		UJ		UJ
Di-n-butylphthalate	10				UL		UL		UL		UL
Fluoranthene	10				UL		UL		UL		UL
Pyrene	10				UL		UL		UL		UL
Butylbenzylphthalate	10				UL		UL		UL		UL
3,3'-Dichlorobenzidine	10				UL		UL		UL		UL
Benzo(a)anthracene	10				UL		UL		UL		UL
Chrysene	10				UL		UL		UL		UL
bis(2-Ethylhexyl)phthalate	10				UL		UL		UL		UL
Di-n-octylphthalate	10				UL		UL		UL		UL
Benzo(b)fluoranthene	10				UL		UL		UL		UL
Benzo(k)fluoranthene	10				UL		UL		UL		UL
Benzo(a)pyrene	10				UL		UL		UL		UL
Indeno(1,2,3-cd)pyrene	10				UL		UL		UL		UL
Dibenzo(a,h)anthracene	10				UL		UL		UL		UL
Benzo(g,h,i)perylene	10				UL		UL		UL		UL

CRQL = Contract Required Quantitation Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits multiply the CRQL by the Dilution Factor Revised 09/99

ORIGINAL (Red)

Case #: 27981 SDG : CSL45
Site : NEW JERSEY FIREWORKS
Lab. : ENVSYS

Sample Number :		CSL70									
Sampling Location :		FB-1									
Field QC:		Field Blank									
Matrix :		Water									
Units :		ug/L									
Date Sampled :		04/20/2000									
Time Sampled :		10:00									
%Moisture :		N/A									
pH :											
Dilution Factor :		1.0									
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	10		UJ								
Phenol	10										
bis-(2-Chloroethyl) ether	10										
2-Chlorophenol	10										
2-Methylphenol	10										
2,2'-oxybis(1-Chloropropane)	10										
Acetophenone	10										
4-Methylphenol	10										
N-Nitroso-di-n-propylamine	10										
Hexachloroethane	10										
Nitrobenzene	10										
Isophorone	10										
2-Nitrophenol	10										
2,4-Dimethylphenol	10										
bis(2-Chloroethoxy)methane	10										
2,4-Dichlorophenol	10										
Naphthalene	10										
4-Chloroaniline	10										
Hexachlorobutadiene	10										
Caprolactam	10										
4-Chloro-3-methylphenol	10										
2-Methylnaphthalene	10										
Hexachlorocyclopentadiene	10										
2,4,6-Trichlorophenol	10										
2,4,5-Trichlorophenol	25										
1,1'-Biphenyl	10										
2-Chloronaphthalene	10										
2-Nitroaniline	25										
Dimethylphthalate	10										
2,6-Dinitrotoluene	10										
Acenaphthylene	10										
3-Nitroaniline	25		R								

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

Revised 09/99

DATA SUMMARY FORM: BNA

Case #: 27981 SDG : CSL45
Site : NEW JERSEY FIREWORKS
Lab. : ENVSYS

Sample Number :		CSL70									
Sampling Location :		FB-1									
Field QC:		Field Blank									
Matrix :		Water									
Units :		ug/L									
Date Sampled :		04/20/2000									
Time Sampled :		10:00									
%Moisture :		N/A									
pH :											
Dilution Factor :		1.0									
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	10										
2,4-Dinitrophenol	25										
4-Nitrophenol	25										
Dibenzofuran	10										
2,4-Dinitrotoluene	10										
Diethylphthalate	10	5	J								
Fluorene	10										
4-Chlorophenyl-phenyl ether	10										
4-Nitroaniline	25		UJ								
4,6-Dinitro-2-methylphenol	25										
N-Nitrosodiphenylamine	10										
4-Bromophenyl-phenylether	10										
*Hexachlorobenzene	10										
Atrazine	10										
*Pentachlorophenol	25										
Phenanthrene	10										
Anthracene	10										
Carbazole	10		UJ								
Di-n-butylphthalate	10										
Fluoranthene	10										
Pyrene	10										
Butylbenzylphthalate	10										
3,3'-Dichlorobenzidine	10										
Benzo(a)anthracene	10										
Chrysene	10										
bis(2-Ethylhexyl)phthalate	10										
Di-n-octylphthalate	10										
Benzo(b)fluoranthene	10										
Benzo(k)fluoranthene	10										
Benzo(a)pyrene	10										
Indeno(1,2,3-cd)pyrene	10										
Dibenzo(a,h)anthracene	10										
Benzo(g,h,i)perylene	10										

CRQL = Contract Required Quantitation Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits multiply the CRQL by the Dilution Factor Revised 09/99

ORIGINAL (Red)

DATA SUMMARY FORM: BNA

Case #: 27981 SDG : CSL55 Number of Soil Samples : 14
Site : NEW JERSEY FIREWORKS Number of Water Samples : 0
Lab. : ENVSYS

Sample Number :		CSL55		CSL56		CSL57		CSL58		CSL60	
Sampling Location :		SED-1		SED-2		SED-3		SED-4		S-1	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		04/20/2000		04/20/2000		04/20/2000		04/20/2000		04/20/2000	
Time Sampled :		12:00		10:00		07:45		11:05		12:45	
%Moisture :		15		24		44		26		24	
pH :		7		6		7		6		6	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	330		UJ		UJ		UJ		UJ		UJ
Phenol	330										UJ
bis-(2-Chloroethyl) ether	330										UJ
2-Chlorophenol	330										UJ
2-Methylphenol	330										UJ
2,2'-oxybis(1-Chloropropane)	330										UJ
Acetophenone	330										UJ
4-Methylphenol	330										UJ
N-Nitroso-di-n-propylamine	330										UJ
Hexachloroethane	330										UJ
Nitrobenzene	330										UJ
Isophorone	330										UJ
2-Nitrophenol	330										UJ
2,4-Dimethylphenol	330										UJ
bis(2-Chloroethoxy)methane	330										UJ
2,4-Dichlorophenol	330										UJ
Naphthalene	330										UJ
4-Chloroaniline	330										UJ
Hexachlorobutadiene	330										UJ
Caprolactam	330										UJ
4-Chloro-3-methylphenol	330										UJ
2-Methylnaphthalene	330										UJ
Hexachlorocyclopentadiene	330										UJ
2,4,6-Trichlorophenol	330										UJ
2,4,5-Trichlorophenol	830										UJ
1,1'-Biphenyl	330										UJ
2-Chloronaphthalene	330										UJ
2-Nitroaniline	830										UJ
Dimethylphthalate	330										UJ
2,6-Dinitrotoluene	330										UJ
Acenaphthylene	330										UJ
3-Nitroaniline	830		R		R		R		R		R

CRQL = Contract Required Quantitation Limit SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100 Revised 09/99

ORIGINAL (Red)

DATA SUMMARY FORM: BNA

Case #: 27981
Site :
Lab. :

SDG : CSL55
NEW JERSEY FIREWORKS
ENVSYS

Sample Number :		CSL55		CSL56		CSL57		CSL58		CSL60	
Sampling Location :		SED-1		SED-2		SED-3		SED-4		S-1	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		04/20/2000		04/20/2000		04/20/2000		04/20/2000		04/20/2000	
Time Sampled :		12:00		10:00		07:45		11:05		12:45	
%Moisture :		15		24		44		26		24	
pH :		7		6		7		6		6	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	330										UJ
2,4-Dinitrophenol	830										UJ
4-Nitrophenol	830										UJ
Dibenzofuran	330										UJ
2,4-Dinitrotoluene	330										UJ
Diethylphthalate	330										UJ
Fluorene	330										UJ
4-Chlorophenyl-phenyl ether	330										UJ
4-Nitroaniline	830										UJ
4,6-Dinitro-2-methylphenol	830										UJ
N-Nitrosodiphenylamine	330										UJ
4-Bromophenyl-phenylether	330										UJ
Hexachlorobenzene	330										UJ
Atrazine	330										UJ
Pentachlorophenol	830										UJ
Phenanthrene	330									160	J
Anthracene	330										UJ
Carbazole	330		UJ		UJ		UJ		UJ		UJ
Di-n-butylphthalate	330									540	B
Fluoranthene	330									250	J
Pyrene	330									380	J
Butylbenzylphthalate	330										UJ
3,3'-Dichlorobenzidine	330										UJ
Benzo(a)anthracene	330									150	J
Chrysene	330									260	J
bis(2-Ethylhexyl)phthalate	330			220	J						UJ
Di-n-octylphthalate	330										UJ
Benzo(b)fluoranthene	330									150	J
Benzo(k)fluoranthene	330									170	J
Benzo(a)pyrene	330									190	J
Indeno(1,2,3-cd)pyrene	330									120	J
Dibenzo(a,h)anthracene	330										UJ
Benzo(g,h,i)perylene	330									110	J

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

Revised 09/99

ORIGINAL (Red)

DATA SUMMARY FORM: BNA

Case #: 27981 SDG : CSL55
Site : NEW JERSEY FIREWORKS
Lab. : ENVSYS

Sample Number :		CSL61		CSL62		CSL63		CSL64		CSL65	
Sampling Location :		S-2		S-3		S-4		S-5		S-6	
Field QC:						Duplicate(CSL69)					
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		04/21/2000		04/21/2000		04/21/2000		04/20/2000		04/21/2000	
Time Sampled :		08:45		08:30		09:00		10:05		09:25	
%Moisture :		24		18		18		31		12	
pH :		5		6		6		5		5	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	330		UJ				UJ		UJ		UJ
Phenol	330										
bis-(2-Chloroethyl) ether	330										
2-Chlorophenol	330										
2-Methylphenol	330										
2,2'-oxybis(1-Chloropropane)	330										
Acetophenone	330										
4-Methylphenol	330										
N-Nitroso-di-n-propylamine	330										
Hexachloroethane	330										
Nitrobenzene	330										
Isophorone	330										
2-Nitrophenol	330										
2,4-Dimethylphenol	330										
bis(2-Chloroethoxy)methane	330										
2,4-Dichlorophenol	330										
Naphthalene	330										
4-Chloroaniline	330										
Hexachlorobutadiene	330										
Caprolactam	330										
4-Chloro-3-methylphenol	330										
2-Methylnaphthalene	330										
Hexachlorocyclopentadiene	330										
2,4,6-Trichlorophenol	330										
2,4,5-Trichlorophenol	830										
1,1'-Biphenyl	330										
2-Chloronaphthalene	330										
2-Nitroaniline	830										
Dimethylphthalate	330										
2,6-Dinitrotoluene	330										
Acenaphthylene	330										
3-Nitroaniline	830		R		R		R		R		R

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

Revised 09/99

ORIGINAL (Red)

DATA SUMMARY FORM: BNA

Case #: 27981 SDG : CSL55
Site : NEW JERSEY FIREWORKS
Lab. : ENVSYS

Sample Number :		CSL61		CSL62		CSL63		CSL64		CSL65	
Sampling Location :		S-2		S-3		S-4		S-5		S-6	
Field QC:						Duplicate(CSL69)					
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		04/21/2000		04/21/2000		04/21/2000		04/20/2000		04/21/2000	
Time Sampled :		08:45		08:30		09:00		10:05		09:25	
%Moisture :		24		18		18		31		12	
pH :		5		6		6		5		5	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	330										
2,4-Dinitrophenol	830										
4-Nitrophenol	830										
Dibenzofuran	330										
2,4-Dinitrotoluene	330										
Diethylphthalate	330										
Fluorene	330										
4-Chlorophenyl-phenyl ether	330										
4-Nitroaniline	830										
4,6-Dinitro-2-methylphenol	830										
N-Nitrosodiphenylamine	330										
4-Bromophenyl-phenylether	330										
Hexachlorobenzene	330										
Atrazine	330										
Pentachlorophenol	830										
Phenanthrene	330										
Anthracene	330										
Carbazole	330		UJ		UJ		UJ		UJ		UJ
Di-n-butylphthalate	330			92	B						
Fluoranthene	330										
Pyrene	330										
Butylbenzylphthalate	330										
3,3'-Dichlorobenzidine	330										
Benzo(a)anthracene	330										
Chrysene	330										
bis(2-Ethylhexyl)phthalate	330					130	J				
Di-n-octylphthalate	330										
Benzo(b)fluoranthene	330										
Benzo(k)fluoranthene	330										
Benzo(a)pyrene	330										
Indeno(1,2,3-cd)pyrene	330										
Dibenzo(a,h)anthracene	330										
Benzo(g,h,i)perylene	330										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

Revised 09/99

ORIGINAL (Red)

DATA SUMMARY FORM: BNA

Case #: 27981 SDG : CSL55
Site : NEW JERSEY FIREWORKS
Lab. : ENVSYS

Sample Number :		CSL66		CSL67		CSL68		CSL69			
Sampling Location :		S-7		S-8		S-9		S-10			
Field QC:								Duplicate(CSL63)			
Matrix :		Soil		Soil		Soil		Soil			
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg			
Date Sampled :		04/21/2000		04/21/2000		04/21/2000		04/21/2000			
Time Sampled :		09:50		09:40		09:45		09:00			
%Moisture :		18		19		18		29			
pH :		6		6		4		7			
Dilution Factor :		1.0		1.0		1.0		1.0			
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	330		UJ								
Phenol	330										
bis-(2-Chloroethyl) ether	330										
2-Chlorophenol	330										
2-Methylphenol	330										
2,2'-oxybis(1-Chloropropane)	330										
Acetophenone	330			90	J						
4-Methylphenol	330										
N-Nitroso-di-n-propylamine	330			140	J						
Hexachloroethane	330										
Nitrobenzene	330										
Isophorone	330										
2-Nitrophenol	330										
2,4-Dimethylphenol	330										
bis(2-Chloroethoxy)methane	330										
2,4-Dichlorophenol	330										
Naphthalene	330			550		110	J				
4-Chloroaniline	330										
Hexachlorobutadiene	330										
Caprolactam	330										
4-Chloro-3-methylphenol	330										
2-Methylnaphthalene	330			650	J	120	J				
Hexachlorocyclopentadiene	330										
2,4,6-Trichlorophenol	330										
2,4,5-Trichlorophenol	830										
1,1'-Biphenyl	330										
2-Chloronaphthalene	330										
2-Nitroaniline	830										
Dimethylphthalate	330										
2,6-Dinitrotoluene	330										
Acenaphthylene	330										
3-Nitroaniline	830		R		R		R		R		

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

Revised 09/99

ORIGINAL (Red)

DATA SUMMARY FORM: BNA

Case #: 27981 SDG : CSL55
Site : NEW JERSEY FIREWORKS
Lab. : ENVSYS

Sample Number :		CSL66		CSL67		CSL68		CSL69			
Sampling Location :		S-7		S-8		S-9		S-10			
Field QC:								Duplicate(CSL63)			
Matrix :		Soil		Soil		Soil		Soil			
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg			
Date Sampled :		04/21/2000		04/21/2000		04/21/2000		04/21/2000			
Time Sampled :		09:50		09:40		09:45		09:00			
%Moisture :		18		19		18		29			
pH :		6		6		4		7			
Dilution Factor :		1.0		1.0		1.0		1.0			
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	330										
2,4-Dinitrophenol	830										
4-Nitrophenol	830										
Dibenzofuran	330			230	J						
2,4-Dinitrotoluene	330										
Diethylphthalate	330										
Fluorene	330										
4-Chlorophenyl-phenyl ether	330										
4-Nitroaniline	830										
4,6-Dinitro-2-methylphenol	830										
N-Nitrosodiphenylamine	330			92	J						
4-Bromophenyl-phenylether	330										
Hexachlorobenzene	330										
Atrazine	330										
Pentachlorophenol	830										
Phenanthrene	330			430		120	J				
Anthracene	330										
Carbazole	330		UJ		UJ		UJ		UJ		
Di-n-butylphthalate	330			110	B						
Fluoranthene	330					130	J				
Pyrene	330			90	J	120	J				
Butylbenzylphthalate	330										
3,3'-Dichlorobenzidine	330										
Benzo(a)anthracene	330										
Chrysene	330			120	J	120	J				
bis(2-Ethylhexyl)phthalate	330										
Di-n-octylphthalate	330										
Benzo(b)fluoranthene	330			96	J	120	J				
Benzo(k)fluoranthene	330					100	J				
Benzo(a)pyrene	330			160	J	90	J				
Indeno(1,2,3-cd)pyrene	330			88	J	100	J				
Dibenzo(a,h)anthracene	330										
Benzo(g,h,i)perylene	330			94	J	94	J				

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

Revised 09/99

ORIGINAL (Red)

DATA SUMMARY FORM: PESTICIDES AND PCBS

Case #: 27981 SDG : CSL45 Number of Soil Samples : 0
Site : NEW JERSEY FIREWORKS Number of Water Samples : 11
Lab. : ENVSYS

Sample Number :		CSL45		CSL46		CSL47		CSL48		CSL49	
Sampling Location :		GW-1		GW-2		GW-3		GW-4		GW-5	
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		04/20/2000		04/20/2000		04/20/2000		04/20/2000		04/20/2000	
Time Sampled :		12:30		10:30		11:15		10:45		10:15	
%Moisture :		N/A		N/A		N/A		N/A		N/A	
pH :		7.0		7.0		7.0		7.0		7.0	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	0.050		UL								UJ
beta-BHC	0.050		UL								UJ
delta-BHC	0.050		UL								UJ
*gamma-BHC (Lindane)	0.050		UL								UJ
*Heptachlor	0.050		UL								UJ
Aldrin	0.050		UL								UJ
Heptachlor epoxide	0.050		UL								UJ
Endosulfan I	0.050		UL								UJ
Dieldrin	0.10		UL								UJ
4,4'-DDE	0.10		UL								UJ
*Endrin	0.10		UL								UJ
Endosulfan II	0.10		UL								UJ
4,4'-DDD	0.10		UL								UJ
Endosulfan sulfate	0.10		UL								UJ
4,4'-DDT	0.10		UL								UJ
*Methoxychlor	0.50		UL								UJ
Endrin ketone	0.10		UL								UJ
Endrin aldehyde	0.10		UL								UJ
alpha-Chlordane	0.050		UL								UJ
gamma-Chlordane	0.050		UL								UJ
*Toxaphene	5.0		UL								UJ
*Aroclor-1016	1.0		UL								UJ
*Aroclor-1221	2.0		UL								UJ
*Aroclor-1232	1.0		UL								UJ
*Aroclor-1242	1.0		UL								UJ
*Aroclor-1248	1.0		UL								UJ
*Aroclor-1254	1.0		UL								UJ
*Aroclor-1260	1.0		UL								UJ

CRQL = Contract Required Quantitation Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits multiply the CRQL by the Dilution Factor Revised 09/99

ORIGINAL

DATA SUMMARY FORM: PESTICIDES AND PCBS

Case #: 27981 SDG : CSL45
Site : NEW JERSEY FIREWORKS
Lab. : ENVSYS

Sample Number :		CSL50		CSL51		CSL52		CSL53		CSL54	
Sampling Location :		SW-1		SW-2		SW-3		SW-4		SW-5	
Field QC:								Duplicate(CSL54)		Duplicate(CSL53)	
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		04/20/2000		04/20/2000		04/20/2000		04/20/2000		04/20/2000	
Time Sampled :		12:00		10:00		09:45		11:15		13:00	
%Moisture :		N/A		N/A		N/A		N/A		N/A	
pH :		7.0		7.0		7.0		7.0		7.0	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	0.050								UJ		
beta-BHC	0.050								UJ		
delta-BHC	0.050								UJ		
*gamma-BHC (Lindane)	0.050								UJ		
*Heptachlor	0.050								UJ		
Aldrin	0.050								UJ		
Heptachlor epoxide	0.050								UJ		
Endosulfan I	0.050								UJ		
Dieldrin	0.10								UJ		
4,4'-DDE	0.10								UJ		
*Endrin	0.10								UJ		
Endosulfan II	0.10								UJ		
4,4'-DDD	0.10								UJ		
Endosulfan sulfate	0.10								UJ		
4,4'-DDT	0.10								UJ		
*Methoxychlor	0.50							0.86	J		
Endrin ketone	0.10								UJ		
Endrin aldehyde	0.10								UJ		
alpha-Chlordane	0.050								UJ		
gamma-Chlordane	0.050								UJ		
*Toxaphene	5.0								UJ		
*Aroclor-1016	1.0								UJ		
*Aroclor-1221	2.0								UJ		
*Aroclor-1232	1.0								UJ		
*Aroclor-1242	1.0								UJ		
*Aroclor-1248	1.0								UJ		
*Aroclor-1254	1.0								UJ		
*Aroclor-1260	1.0								UJ		

CRQL = Contract Required Quantitation Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits multiply the CRQL by the Dilution Factor Revised 09/99

ORIGINAL (Red)

DATA SUMMARY FORM: PESTICIDES AND PCBS

Case #: 27981 SDG : CSL45
Site : NEW JERSEY FIREWORKS
Lab. : ENVSYS

Sample Number :		CSL70									
Sampling Location :		FB-1									
Field QC:		Field Blank									
Matrix :		Water									
Units :		ug/L									
Date Sampled :		04/20/2000									
Time Sampled :		10:00									
%Moisture :		N/A									
pH :		7.0									
Dilution Factor :		1.0									
Pesticide/PCB Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	0.050										
beta-BHC	0.050										
delta-BHC	0.050										
*gamma-BHC (Lindane)	0.050										
*Heptachlor	0.050										
Aldrin	0.050										
Heptachlor epoxide	0.050										
Endosulfan I	0.050										
Dieldrin	0.10										
4,4'-DDE	0.10										
*Endrin	0.10										
Endosulfan II	0.10										
4,4'-DDD	0.10										
Endosulfan sulfate	0.10										
4,4'-DDT	0.10										
*Methoxychlor	0.50										
Endrin ketone	0.10										
Endrin aldehyde	0.10										
alpha-Chlordane	0.050										
gamma-Chlordane	0.050										
*Toxaphene	5.0										
*Aroclor-1016	1.0										
*Aroclor-1221	2.0										
*Aroclor-1232	1.0										
*Aroclor-1242	1.0										
*Aroclor-1248	1.0										
*Aroclor-1254	1.0										
*Aroclor-1260	1.0										

CRQL = Contract Required Quantitation Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits multiply the CRQL by the Dilution Factor Revised 09/99

ORIGINAL (Red)

DATA SUMMARY FORM: PESTICIDES AND PCBS

Case #: 27981 SDG : CSL55 Number of Soil Samples : 14
Site : NEW JERSEY FIREWORKS Number of Water Samples : 0
Lab. : ENVSYS

Sample Number :		CSL55		CSL56		CSL57		CSL58		CSL60	
Sampling Location :		SED-1		SED-2		SED-3		SED-4		S-1	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		04/20/2000		04/20/2000		04/20/2000		04/20/2000		04/20/2000	
Time Sampled :		12:00		10:00		07:45		11:05		12:45	
%Moisture :		15		24		44		26		24	
pH :		6.0		6.0		6.0		6.0		6.0	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	1.7										
beta-BHC	1.7										
delta-BHC	1.7										
gamma-BHC (Lindane)	1.7										
Heptachlor	1.7										
Aldrin	1.7										
Heptachlor epoxide	1.7										
Endosulfan I	1.7										
Dieldrin	3.3										
4,4'-DDE	3.3									3.8	J
Endrin	3.3										
Endosulfan II	3.3										
4,4'-DDD	3.3										
Endosulfan sulfate	3.3										
4,4'-DDT	3.3									4.1	J
Methoxychlor	17										
Endrin ketone	3.3										
Endrin aldehyde	3.3										
alpha-Chlordane	1.7										
gamma-Chlordane	1.7										
Toxaphene	170										
Aroclor-1016	33										
Aroclor-1221	67										
Aroclor-1232	33										
Aroclor-1242	33										
Aroclor-1248	33										
Aroclor-1254	33										
Aroclor-1260	33										

CRQL = Contract Required Quantitation Limit SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100 Revised 09/99

ORIGINAL (Red)

DATA SUMMARY FORM: PESTICIDES AND PCBS

Case #: 27981 SDG : CSL55
Site : NEW JERSEY FIREWORKS
Lab. : ENVSYS

Sample Number :		CSL61		CSL62		CSL63		CSL64		CSL65	
Sampling Location :		S-2		S-3		S-4		S-5		S-6	
Field QC:						Duplicate(CSL69)					
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		04/21/2000		04/21/2000		04/21/2000		04/20/2000		04/21/2000	
Time Sampled :		08:45		08:30		09:00		10:05		09:25	
%Moisture :		24		18		18		31		12	
pH :		6.0		6.0		6.0		6.0		6.0	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	1.7										
beta-BHC	1.7										
delta-BHC	1.7										
gamma-BHC (Lindane)	1.7										
Heptachlor	1.7										
Aldrin	1.7										
Heptachlor epoxide	1.7										
Endosulfan I	1.7										
Dieldrin	3.3										
4,4'-DDE	3.3										
Endrin	3.3										
Endosulfan II	3.3										
4,4'-DDD	3.3										
Endosulfan sulfate	3.3										
4,4'-DDT	3.3										
Methoxychlor	17										
Endrin ketone	3.3										
Endrin aldehyde	3.3										
alpha-Chlordane	1.7										
gamma-Chlordane	1.7										
Toxaphene	170										
Aroclor-1016	33										
Aroclor-1221	67										
Aroclor-1232	33										
Aroclor-1242	33										
Aroclor-1248	33										
Aroclor-1254	33										
Aroclor-1260	33										

CRQL = Contract Required Quantitation Limit SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100 Revised 09/99

ORIGINAL (Red)

DATA SUMMARY FORM: PESTICIDES AND PCBS

Case #: 27981 SDG : CSL55
Site : NEW JERSEY FIREWORKS
Lab. : ENVSYS

Sample Number :		CSL66		CSL67		CSL68		CSL69			
Sampling Location :		S-7		S-8		S-9		S-10			
Field QC:								Duplicate(CSL63)			
Matrix :		Soil		Soil		Soil		Soil			
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg			
Date Sampled :		04/21/2000		04/21/2000		04/21/2000		04/21/2000			
Time Sampled :		09:50		09:40		09:45		09:00			
%Moisture :		18		19		18		29			
pH :		6.0		6.0		6.0		6.3			
Dilution Factor :		1.0		1.0		1.0		1.0			
Pesticide/PCB Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	1.7		R				R				
beta-BHC	1.7		R				R				
delta-BHC	1.7		R				R				
gamma-BHC (Lindane)	1.7		R				R				
Heptachlor	1.7		R				R				
Aldrin	1.7		R				R				
Heptachlor epoxide	1.7		R				R				
Endosulfan I	1.7		R				R				
Dieldrin	3.3		R				R				
4,4'-DDE	3.3		R				R				
Endrin	3.3		R				R				
Endosulfan II	3.3		R				R				
4,4'-DDD	3.3		R				R				
Endosulfan sulfate	3.3		R				R				
4,4'-DDT	3.3		R	7.6	J		R				
Methoxychlor	17		R				R				
Endrin ketone	3.3		R				R				
Endrin aldehyde	3.3		R				R				
alpha-Chlordane	1.7		R				R				
gamma-Chlordane	1.7		R				R				
Toxaphene	170		R				R				
Aroclor-1016	33		R				R				
Aroclor-1221	67		R				R				
Aroclor-1232	33		R				R				
Aroclor-1242	33		R				R				
Aroclor-1248	33		R				R				
Aroclor-1254	33		R				R				
Aroclor-1260	33		R				R				

CRQL = Contract Required Quantitation Limit SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100 Revised 09/99

ORIGINAL (Red)

Appendix C

Form I s

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL45

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041153

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041153

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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-trifluo	10	U
	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	tert-Butyl Methyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

0 0019

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL45

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041153

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041153

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

QC Column: RTX-502.2 ID: 0.530 (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

0.0020

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL46

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041154

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041154

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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-trifluo	10	U
	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	tert-Butyl Methyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

06 0030

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL46

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041154

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041154

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL47

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041155

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041155

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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-trifluo	10	U
	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	tert-Butyl Methyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

0 0039

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL47

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041155

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041155

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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

0.0040

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL48

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041156

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041156

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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-trifluo	10	U
	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	tert-Butyl Methyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

0.0048

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL48

ORIGINAL

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041156

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041156

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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

0 00049

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL49

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041157

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041157

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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-trifluo	10	U
	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	tert-Butyl Methyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

0..0057

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL49

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041157

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041157

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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

0 0058

ORIGINAL

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL50

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041158

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041158

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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-trifluo	10	U
	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	tert-Butyl Methyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

0..0068

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL50

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041158

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041158

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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

0..11069

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL51

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041159

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041159

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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-trifluo	10	U
	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	tert-Butyl Methyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

0:0077

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL51

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041159

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041159

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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

0 0078

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL52

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041160

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041160

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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-trifluo	10	U
	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	tert-Butyl Methyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

0 0086

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL52

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041160

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041160

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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

0.11087

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL53

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041161

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041161

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (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-trifluo	10	U
	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	tert-Butyl Methyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

0011095

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL53 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041161

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041161

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (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

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL54

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041162

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041162

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (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-trifluo	10	U
	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	tert-Butyl Methyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

0 1104

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL54

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041162

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041162

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (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

0 0105

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL70

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041163

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041163

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (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-trifluo	10	U
	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	tert-Butyl Methyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

0..0113

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL70

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041163

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041163

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (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

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL71

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041164

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041164

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (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-trifluo	10	U
	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	tert-Butyl Methyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

0040122

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL71

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041164

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041164

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (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

041123

ORIGINAL (Red)

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL55

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041165

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041165

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 15 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	12	U
	1,2,2-trifluoroethane	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	tert-Butyl Methyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

041020

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL55

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041165

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041165

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 15 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

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

00041021

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL56

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041166

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041166

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 24 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

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

000029

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL56

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041166

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041166

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 24 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	13	U
108-87-2	Methylcyclohexane	13	U
78-87-5	1,2-Dichloropropane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
108-88-3	Toluene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
1330-20-7	Xylene (total)	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3 Dichlorobenzene	13	U
106-46-7	1,4 Dichlorobenzene	13	U
95-50-1	1,2 Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U

040030

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL57

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041167

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041167

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 44 Date Analyzed: 04/25/00

QC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	18	U
74-87-3	Chloromethane	18	U
75-01-4	Vinyl Chloride	18	U
74-83-9	Bromomethane	18	U
75-00-3	Chloroethane	18	U
75-69-4	Trichlorofluoromethane	18	U
75-35-4	1,1-Dichloroethene	18	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	18	U
	1,2,2-trifluoroethane	18	U
67-64-1	Acetone	18	U
75-15-0	Carbon Disulfide	18	U
79-20-9	Methyl Acetate	18	U
75-09-2	Methylene Chloride	18	U
156-60-5	trans-1,2-Dichloroethene	18	U
1634-04-4	tert-Butyl Methyl Ether	18	U
75-34-3	1,1-Dichloroethane	18	U
156-59-2	cis-1,2-Dichloroethene	18	U
78-93-3	2-Butanone	18	U
67-66-3	Chloroform	18	U
71-55-6	1,1,1-Trichloroethane	18	U
110-82-7	Cyclohexane	18	U
56-23-5	Carbon Tetrachloride	18	U
71-43-2	Benzene	18	U
107-06-2	1,2-Dichloroethane	18	U

0.0038

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL57 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041167

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041167

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 44 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

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

040039

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL58

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041168

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041168

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 26 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	14	U
74-87-3	Chloromethane	14	U
75-01-4	Vinyl Chloride	14	U
74-83-9	Bromomethane	14	U
75-00-3	Chloroethane	14	U
75-69-4	Trichlorofluoromethane	14	U
75-35-4	1,1-Dichloroethene	14	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	14	U
	1,2,2-trifluoroethane	14	U
67-64-1	Acetone	14	U
75-15-0	Carbon Disulfide	14	U
79-20-9	Methyl Acetate	14	U
75-09-2	Methylene Chloride	14	U
156-60-5	trans-1,2-Dichloroethene	14	U
1634-04-4	tert-Butyl Methyl Ether	14	U
75-34-3	1,1-Dichloroethane	14	U
156-59-2	cis-1,2-Dichloroethene	14	U
78-93-3	2-Butanone	14	U
67-66-3	Chloroform	14	U
71-55-6	1,1,1-Trichloroethane	14	U
110-82-7	Cyclohexane	14	U
56-23-5	Carbon Tetrachloride	14	U
71-43-2	Benzene	14	U
107-06-2	1,2-Dichloroethane	14	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL58 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041168

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041168

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 26 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	14	U
108-87-2	Methylcyclohexane	14	U
78-87-5	1,2-Dichloropropane	14	U
75-27-4	Bromodichloromethane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
108-88-3	Toluene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
79-00-5	1,1,2-Trichloroethane	14	U
127-18-4	Tetrachloroethene	14	U
591-78-6	2-Hexanone	14	U
124-48-1	Dibromochloromethane	14	U
106-93-4	1,2-Dibromoethane	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
1330-20-7	Xylene (total)	14	U
100-42-5	Styrene	14	U
75-25-2	Bromoform	14	U
98-82-8	Isopropylbenzene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
541-73-1	1,3 Dichlorobenzene	14	U
106-46-7	1,4 Dichlorobenzene	14	U
95-50-1	1,2 Dichlorobenzene	14	U
96-12-8	1,2-Dibromo-3-chloropropane	14	U
120-82-1	1,2,4-Trichlorobenzene	14	U

041048

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL60RE

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041169

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041169RE

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 24 Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL60RE (Red) ORIGINAL

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041169

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041169RE

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 24 Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	13	U
108-87-2	Methylcyclohexane	13	U
78-87-5	1,2-Dichloropropane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
108-88-3	Toluene	4	J
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
1330-20-7	Xylene (total)	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3 Dichlorobenzene	13	U
106-46-7	1,4 Dichlorobenzene	13	U
95-50-1	1,2 Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL61

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041170

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041170

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. ~~25~~ 24 (D.V.) 6/6/00 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

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

040077

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL61 ORIGINAL (Reg)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041170

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041170

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. ~~28~~ 24 (D.V.) Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	13	U
108-87-2	Methylcyclohexane	13	U
78-87-5	1,2-Dichloropropane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
108-88-3	Toluene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
1330-20-7	Xylene (total)	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3 Dichlorobenzene	13	U
106-46-7	1,4 Dichlorobenzene	13	U
95-50-1	1,2 Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U

041078

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL62

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041171

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041171

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 18 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	12	U
	1,2,2-trifluoroethane	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	tert-Butyl Methyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

00086

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL62 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041171

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041171

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 18 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

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

041087

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL63

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041172

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041169

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 18 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	8	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	12	U
	1,2,2-trifluoroethane	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	tert-Butyl Methyl Ether	12	U
75-34-3	1,1-Dichloroethane	3	J
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	16	
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

0 0095

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL63

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041172

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041169

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 18 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	12	U
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	9	J
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3 Dichlorobenzene	12	U
106-46-7	1,4 Dichlorobenzene	12	U
95-50-1	1,2 Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

0041C96

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL64

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041173

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041173

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 31 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	14	U
74-87-3	Chloromethane	14	U
75-01-4	Vinyl Chloride	14	U
74-83-9	Bromomethane	14	U
75-00-3	Chloroethane	14	U
75-69-4	Trichlorofluoromethane	14	U
75-35-4	1,1-Dichloroethene	14	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	14	U
	1,2,2-trifluoroethane	14	U
67-64-1	Acetone	37	
75-15-0	Carbon Disulfide	14	U
79-20-9	Methyl Acetate	14	U
75-09-2	Methylene Chloride	14	U
156-60-5	trans-1,2-Dichloroethene	14	U
1634-04-4	tert-Butyl Methyl Ether	14	U
75-34-3	1,1-Dichloroethane	14	U
156-59-2	cis-1,2-Dichloroethene	14	U
78-93-3	2-Butanone	14	U
67-66-3	Chloroform	14	U
71-55-6	1,1,1-Trichloroethane	14	U
110-82-7	Cyclohexane	14	U
56-23-5	Carbon Tetrachloride	14	U
71-43-2	Benzene	14	U
107-06-2	1,2-Dichloroethane	14	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL64 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041173

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041173

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 31 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	14	U
108-87-2	Methylcyclohexane	14	U
78-87-5	1,2-Dichloropropane	14	U
75-27-4	Bromodichloromethane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
108-88-3	Toluene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
79-00-5	1,1,2-Trichloroethane	14	U
127-18-4	Tetrachloroethene	14	U
591-78-6	2-Hexanone	14	U
124-48-1	Dibromochloromethane	14	U
106-93-4	1,2-Dibromoethane	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
1330-20-7	Xylene (total)	14	U
100-42-5	Styrene	14	U
75-25-2	Bromoform	14	U
98-82-8	Isopropylbenzene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
541-73-1	1,3 Dichlorobenzene	14	U
106-46-7	1,4 Dichlorobenzene	14	U
95-50-1	1,2 Dichlorobenzene	14	U
96-12-8	1,2-Dibromo-3-chloropropane	14	U
120-82-1	1,2,4-Trichlorobenzene	14	U

ORIGINAL

VOLATILE ORGANICS ANALYSIS DATA SHEET

CSL65

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041174

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041174

Level: (low/med) LOW Date Received: 04/24/00

% Moisture: not dec. 12 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	Q
75-71-8	Dichlorodifluoromethane	11 U
74-87-3	Chloromethane	11 U
75-01-4	Vinyl Chloride	11 U
74-83-9	Bromomethane	11 U
75-00-3	Chloroethane	11 U
75-69-4	Trichlorofluoromethane	11 U
75-35-4	1,1-Dichloroethene	11 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	11 U
	1,2,2-trifluoroethane	11 U
67-64-1	Acetone	11 U
75-15-0	Carbon Disulfide	11 U
79-20-9	Methyl Acetate	11 U
75-09-2	Methylene Chloride	11 U
156-60-5	trans-1,2-Dichloroethene	11 U
1634-04-4	tert-Butyl Methyl Ether	11 U
75-34-3	1,1-Dichloroethane	11 U
156-59-2	cis-1,2-Dichloroethene	11 U
78-93-3	2-Butanone	11 U
67-66-3	Chloroform	11 U
71-55-6	1,1,1-Trichloroethane	11 U
110-82-7	Cyclohexane	11 U
56-23-5	Carbon Tetrachloride	11 U
71-43-2	Benzene	11 U
107-06-2	1,2-Dichloroethane	11 U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

CSL65

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041174

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041174

Level: (low/med) LOW Date Received: 04/24/00

% Moisture: not dec. 12 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	11	U
108-87-2	Methylcyclohexane	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3 Dichlorobenzene	11	U
106-46-7	1,4 Dichlorobenzene	11	U
95-50-1	1,2 Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL66

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041175

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041175

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 18 Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	12	U
	1,2,2-trifluoroethane	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	tert-Butyl Methyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL66 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041175

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041175

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 18 Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

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

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL67

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041176

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041176

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 19 Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	12	U
	1,2,2-trifluoroethane	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	tert-Butyl Methyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

041146

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL67 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041176

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041176

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 19 Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

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

041147

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL68

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041177

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041177

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 19 Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	12	U
	1,2,2-trifluoroethane	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	tert-Butyl Methyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	14	
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

041170

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CSL68

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041177

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041177

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 19 Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

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

041171

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL69

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041178

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041178

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 29 Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	14	U
74-87-3	Chloromethane	14	U
75-01-4	Vinyl Chloride	14	U
74-83-9	Bromomethane	14	U
75-00-3	Chloroethane	14	U
75-69-4	Trichlorofluoromethane	14	U
75-35-4	1,1-Dichloroethene	14	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	14	U
	1,2,2-trifluoroethane	14	U
67-64-1	Acetone	14	U
75-15-0	Carbon Disulfide	14	U
79-20-9	Methyl Acetate	14	U
75-09-2	Methylene Chloride	14	U
156-60-5	trans-1,2-Dichloroethene	14	U
1634-04-4	tert-Butyl Methyl Ether	14	U
75-34-3	1,1-Dichloroethane	14	U
156-59-2	cis-1,2-Dichloroethene	14	U
78-93-3	2-Butanone	17	
67-66-3	Chloroform	14	U
71-55-6	1,1,1-Trichloroethane	14	U
110-82-7	Cyclohexane	14	U
56-23-5	Carbon Tetrachloride	14	U
71-43-2	Benzene	14	U
107-06-2	1,2-Dichloroethane	14	U

041182

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL

CSL69

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041178

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041178

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 29 Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	14	U
108-87-2	Methylcyclohexane	14	U
78-87-5	1,2-Dichloropropane	14	U
75-27-4	Bromodichloromethane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
108-88-3	Toluene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
79-00-5	1,1,2-Trichloroethane	14	U
127-18-4	Tetrachloroethene	14	U
591-78-6	2-Hexanone	14	U
124-48-1	Dibromochloromethane	14	U
106-93-4	1,2-Dibromoethane	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
1330-20-7	Xylene (total)	14	U
100-42-5	Styrene	14	U
75-25-2	Bromoform	14	U
98-82-8	Isopropylbenzene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
541-73-1	1,3 Dichlorobenzene	14	U
106-46-7	1,4 Dichlorobenzene	14	U
95-50-1	1,2 Dichlorobenzene	14	U
96-12-8	1,2-Dibromo-3-chloropropane	14	U
120-82-1	1,2,4-Trichlorobenzene	14	U

0010183

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL45

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041153

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB683

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/02/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	C
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
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	bis(2-Chloroethoxy)methane	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.

CSL45

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041153

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB683

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/02/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL46

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041154

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB686

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/02/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	bis(2-Chloroethoxy)methane	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.

CSL46

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041154

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB686

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/02/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL47

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041155

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB687

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/02/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	bis(2-Chloroethoxy)methane	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.

CSL47 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041155

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB687

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/02/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL48

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041156

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB690

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	bis(2-Chloroethoxy)methane	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.

CSL48 (Red) ORIGINAL

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041156

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB690

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL49

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 0041157

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB691

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	bis(2-Chloroethoxy)methane	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.

CSL49

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 0041157

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB691

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL50

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041158

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB692

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	bis(2-Chloroethoxy)methane	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.

CSL50 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041158

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB692

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL51

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041159

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB693

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	bis(2-Chloroethoxy)methane	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.

CSL51 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041159

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB693

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL52

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041160

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB694

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	bis(2-Chloroethoxy)methane	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.

CSL52 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041160

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB694

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL53

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041161

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB695

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	bis(2-Chloroethoxy)methane	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.

CSL53

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041161

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB695

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

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

041302

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL54

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041162

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB696

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	bis(2-Chloroethoxy)methane	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.

CSL54 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041162

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB696

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL70

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041163

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB697

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	bis(2-Chloroethoxy)methane	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.

CSL70 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041163

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB697

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	5	J
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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL55

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041165

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB701

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 15 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	
100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	980	U
92-52-4	1,1'-Biphenyl	390	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	390	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	390	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL55 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041165

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB701

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 15 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	980	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)phthalate	390	U
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL56

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041166

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB702

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 24 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	430	U
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)Ether	430	U
95-57-8	2-Chlorophenol	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
98-86-2	Acetophenone	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
120-83-2	2,4-Dichlorophenol	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
87-68-3	Hexachlorobutadiene	430	U
105-60-2	Caprolactam	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	430	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	430	U
606-20-2	2,6-Dinitrotoluene	430	U
208-96-8	Acenaphthylene	430	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	430	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL56 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041166

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB702

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 24 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
86-73-7	Fluorene	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
1912-24-9	Atrazine	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
86-74-8	Carbazole	430	U
84-74-2	Di-n-butylphthalate	430	U
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	430	U
218-01-9	Chrysene	430	U
117-81-7	bis(2-Ethylhexyl)phthalate	220	J
117-84-0	Di-n-octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	430	U
207-08-9	Benzo(k)fluoranthene	430	U
50-32-8	Benzo(a)pyrene	430	U
193-39-5	Indeno(1,2,3-cd)pyrene	430	U
53-70-3	Dibenzo(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	430	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL57

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041167

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB703

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: ~~19~~ 44 (D.V.) Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	
100-52-7	Benzaldehyde	590	410	U
108-95-2	Phenol		410	U
111-44-4	bis(2-Chloroethyl)Ether		410	U
95-57-8	2-Chlorophenol		410	U
95-48-7	2-Methylphenol		410	U
108-60-1	2,2'-oxybis(1-Chloropropane)		410	U
98-86-2	Acetophenone		410	U
106-44-5	4-Methylphenol		410	U
621-64-7	N-Nitroso-di-n-propylamine		410	U
67-72-1	Hexachloroethane		410	U
98-95-3	Nitrobenzene		410	U
78-59-1	Isophorone		410	U
88-75-5	2-Nitrophenol		410	U
105-67-9	2,4-Dimethylphenol		410	U
120-83-2	2,4-Dichlorophenol		410	U
91-20-3	Naphthalene		410	U
106-47-8	4-Chloroaniline		410	U
111-91-1	bis(2-Chloroethoxy)methane		410	U
87-68-3	Hexachlorobutadiene		410	U
105-60-2	Caprolactam		410	U
59-50-7	4-Chloro-3-methylphenol		410	U
91-57-6	2-Methylnaphthalene		410	U
77-47-4	Hexachlorocyclopentadiene		410	U
88-06-2	2,4,6-Trichlorophenol		410	U
95-95-4	2,4,5-Trichlorophenol	1500	1000	U
92-52-4	1,1'-Biphenyl	590	410	U
91-58-7	2-Chloronaphthalene	590	410	U
88-74-4	2-Nitroaniline	1500	1000	U
131-11-3	Dimethylphthalate	590	410	U
606-20-2	2,6-Dinitrotoluene		410	U
208-96-8	Acenaphthylene		410	U
99-09-2	3-Nitroaniline	1500	1000	U
83-32-9	Acenaphthene	590	410	U

(D.V.) 6/6/00

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL57 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041167

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB703

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: ~~19~~ 44 (D.V.) Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
51-28-5	2,4-Dinitrophenol	1500	1000	U
100-02-7	4-Nitrophenol	1500	1000	U
132-64-9	Dibenzofuran	590	410	U
121-14-2	2,4-Dinitrotoluene		410	U
84-66-2	Diethylphthalate		410	U
86-73-7	Fluorene		410	U
7005-72-3	4-Chlorophenyl-phenylether		410	U
100-01-6	4-Nitroaniline	1500	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1500	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	590	410	U
101-55-3	4-Bromophenyl-phenylether		410	U
118-74-1	Hexachlorobenzene		410	U
1912-24-9	Atrazine		410	U
87-86-5	Pentachlorophenol	1500	1000	U
85-01-8	Phenanthrene	590	410	U
120-12-7	Anthracene		410	U
86-74-8	Carbazole		410	U
84-74-2	Di-n-butylphthalate		410	U
206-44-0	Fluoranthene		410	U
129-00-0	Pyrene		410	U
85-68-7	Butylbenzylphthalate		410	U
91-94-1	3,3'-Dichlorobenzidine		410	U
56-55-3	Benzo(a)anthracene		410	U
218-01-9	Chrysene		410	U
117-81-7	bis(2-Ethylhexyl)phthalate		410	U
117-84-0	Di-n-octylphthalate		410	U
205-99-2	Benzo(b)fluoranthene		410	U
207-08-9	Benzo(k)fluoranthene		410	U
50-32-8	Benzo(a)pyrene		410	U
193-39-5	Indeno(1,2,3-cd)pyrene		410	U
53-70-3	Dibenzo(a,h)anthracene		410	U
191-24-2	Benzo(g,h,i)perylene		410	U

(D.V.) 6/6/00

041340

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL58

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041168

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB704

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 26 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	450	U
108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl)Ether	450	U
95-57-8	2-Chlorophenol	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450	U
98-86-2	Acetophenone	450	U
106-44-5	4-Methylphenol	450	U
621-64-7	N-Nitroso-di-n-propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
120-83-2	2,4-Dichlorophenol	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
111-91-1	bis(2-Chloroethoxy)methane	450	U
87-68-3	Hexachlorobutadiene	450	U
105-60-2	Caprolactam	450	U
59-50-7	4-Chloro-3-methylphenol	450	U
91-57-6	2-Methylnaphthalene	450	U
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	450	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	450	U
606-20-2	2,6-Dinitrotoluene	450	U
208-96-8	Acenaphthylene	450	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	450	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL58 ORIGINAL Red

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041168

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB704

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 26 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	450	U
121-14-2	2,4-Dinitrotoluene	450	U
84-66-2	Diethylphthalate	450	U
86-73-7	Fluorene	450	U
7005-72-3	4-Chlorophenyl-phenylether	450	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	450	U
101-55-3	4-Bromophenyl-phenylether	450	U
118-74-1	Hexachlorobenzene	450	U
1912-24-9	Atrazine	450	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	450	U
120-12-7	Anthracene	450	U
86-74-8	Carbazole	450	U
84-74-2	Di-n-butylphthalate	450	U
206-44-0	Fluoranthene	450	U
129-00-0	Pyrene	450	U
85-68-7	Butylbenzylphthalate	450	U
91-94-1	3,3'-Dichlorobenzidine	450	U
56-55-3	Benzo(a)anthracene	450	U
218-01-9	Chrysene	450	U
117-81-7	bis(2-Ethylhexyl)phthalate	450	U
117-84-0	Di-n-octylphthalate	450	U
205-99-2	Benzo(b)fluoranthene	450	U
207-08-9	Benzo(k)fluoranthene	450	U
50-32-8	Benzo(a)pyrene	450	U
193-39-5	Indeno(1,2,3-cd)pyrene	450	U
53-70-3	Dibenzo(a,h)anthracene	450	U
191-24-2	Benzo(g,h,i)perylene	450	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL60

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041169

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB745

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 24 Decanted: (Y/N)N Date Extracted: 05/05/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/10/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	
100-52-7	Benzaldehyde	430	U
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)Ether	430	U
95-57-8	2-Chlorophenol	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
98-86-2	Acetophenone	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
120-83-2	2,4-Dichlorophenol	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
87-68-3	Hexachlorobutadiene	430	U
105-60-2	Caprolactam	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	430	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	430	U
606-20-2	2,6-Dinitrotoluene	430	U
208-96-8	Acenaphthylene	430	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	430	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL60

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041169

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB745

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 24 Decanted: (Y/N)N Date Extracted: 05/05/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/10/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
86-73-7	Fluorene	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
1912-24-9	Atrazine	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	160	J
120-12-7	Anthracene	430	U
86-74-8	Carbazole	430	U
84-74-2	Di-n-butylphthalate	540	
206-44-0	Fluoranthene	250	J
129-00-0	Pyrene	380	J
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	150	J
218-01-9	Chrysene	260	J
117-81-7	bis(2-Ethylhexyl)phthalate	430	U
117-84-0	Di-n-octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	150	J
207-08-9	Benzo(k)fluoranthene	170	J
50-32-8	Benzo(a)pyrene	190	J
193-39-5	Indeno(1,2,3-cd)pyrene	120	J
53-70-3	Dibenzo(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	110	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL61

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041170

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB706

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 24 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	430	U
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)Ether	430	U
95-57-8	2-Chlorophenol	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
98-86-2	Acetophenone	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
120-83-2	2,4-Dichlorophenol	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
87-68-3	Hexachlorobutadiene	430	U
105-60-2	Caprolactam	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	430	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	430	U
606-20-2	2,6-Dinitrotoluene	430	U
208-96-8	Acenaphthylene	430	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	430	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL61

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041170

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB706

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 24 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
86-73-7	Fluorene	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
1912-24-9	Atrazine	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
86-74-8	Carbazole	430	U
84-74-2	Di-n-butylphthalate	430	U
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	430	U
218-01-9	Chrysene	430	U
117-81-7	bis(2-Ethylhexyl)phthalate	430	U
117-84-0	Di-n-octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	430	U
207-08-9	Benzo(k)fluoranthene	430	U
50-32-8	Benzo(a)pyrene	430	U
193-39-5	Indeno(1,2,3-cd)pyrene	430	U
53-70-3	Dibenzo(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	430	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL62

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041171

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB746

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 18 Decanted: (Y/N)N Date Extracted: 05/05/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/10/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL62

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041171

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB746

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 18 Decanted: (Y/N)N Date Extracted: 05/05/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/10/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	92	J
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL63

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041172

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB710

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 18 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL63 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041172

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB710

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 18 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	130	J
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL64

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041173

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB711

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 31 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/05/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	480	U
108-95-2	Phenol	480	U
111-44-4	bis(2-Chloroethyl)Ether	480	U
95-57-8	2-Chlorophenol	480	U
95-48-7	2-Methylphenol	480	U
108-60-1	2,2'-oxybis(1-Chloropropane)	480	U
98-86-2	Acetophenone	480	U
106-44-5	4-Methylphenol	480	U
621-64-7	N-Nitroso-di-n-propylamine	480	U
67-72-1	Hexachloroethane	480	U
98-95-3	Nitrobenzene	480	U
78-59-1	Isophorone	480	U
88-75-5	2-Nitrophenol	480	U
105-67-9	2,4-Dimethylphenol	480	U
120-83-2	2,4-Dichlorophenol	480	U
91-20-3	Naphthalene	480	U
106-47-8	4-Chloroaniline	480	U
111-91-1	bis(2-Chloroethoxy)methane	480	U
87-68-3	Hexachlorobutadiene	480	U
105-60-2	Caprolactam	480	U
59-50-7	4-Chloro-3-methylphenol	480	U
91-57-6	2-Methylnaphthalene	480	U
77-47-4	Hexachlorocyclopentadiene	480	U
88-06-2	2,4,6-Trichlorophenol	480	U
95-95-4	2,4,5-Trichlorophenol	1200	U
92-52-4	1,1'-Biphenyl	480	U
91-58-7	2-Chloronaphthalene	480	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	480	U
606-20-2	2,6-Dinitrotoluene	480	U
208-96-8	Acenaphthylene	480	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	480	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL64

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041173

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB711

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 31 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/05/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	480	U
121-14-2	2,4-Dinitrotoluene	480	U
84-66-2	Diethylphthalate	480	U
86-73-7	Fluorene	480	U
7005-72-3	4-Chlorophenyl-phenylether	480	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	480	U
101-55-3	4-Bromophenyl-phenylether	480	U
118-74-1	Hexachlorobenzene	480	U
1912-24-9	Atrazine	480	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	480	U
120-12-7	Anthracene	480	U
86-74-8	Carbazole	480	U
84-74-2	Di-n-butylphthalate	480	U
206-44-0	Fluoranthene	480	U
129-00-0	Pyrene	480	U
85-68-7	Butylbenzylphthalate	480	U
91-94-1	3,3'-Dichlorobenzidine	480	U
56-55-3	Benzo(a)anthracene	480	U
218-01-9	Chrysene	480	U
117-81-7	bis(2-Ethylhexyl)phthalate	480	U
117-84-0	Di-n-octylphthalate	480	U
205-99-2	Benzo(b)fluoranthene	480	U
207-08-9	Benzo(k)fluoranthene	480	U
50-32-8	Benzo(a)pyrene	480	U
193-39-5	Indeno(1,2,3-cd)pyrene	480	U
53-70-3	Dibenzo(a,h)anthracene	480	U
191-24-2	Benzo(g,h,i)perylene	480	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL65

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041174

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB712

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 12 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/05/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	380	U
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
98-86-2	Acetophenone	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
120-83-2	2,4-Dichlorophenol	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	940	U
92-52-4	1,1'-Biphenyl	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
208-96-8	Acenaphthylene	380	U
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	380	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL65

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041174

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB712

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 12 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/05/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	940	U
100-02-7	4-Nitrophenol	940	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
1912-24-9	Atrazine	380	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL66

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041175

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB713

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 18 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/05/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL66

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041175

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB713

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 18 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/05/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine_(1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL67

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041176

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB747

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 19 Decanted: (Y/N)N Date Extracted: 05/05/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/10/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	
100-52-7	Benzaldehyde	410	U
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)Ether	410	U
95-57-8	2-Chlorophenol	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
98-86-2	Acetophenone	90	J
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	140	J
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
120-83-2	2,4-Dichlorophenol	410	U
91-20-3	Naphthalene	550	
106-47-8	4-Chloroaniline	410	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
87-68-3	Hexachlorobutadiene	410	U
105-60-2	Caprolactam	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	650	
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	410	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	410	U
606-20-2	2,6-Dinitrotoluene	410	U
208-96-8	Acenaphthylene	410	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	410	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL67

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041176

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB747

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 19 Decanted: (Y/N)N Date Extracted: 05/05/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/10/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	230	J
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
86-73-7	Fluorene	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	92	J
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
1912-24-9	Atrazine	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	430	
120-12-7	Anthracene	410	U
86-74-8	Carbazole	410	U
84-74-2	Di-n-butylphthalate	110	J
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	90	J
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	120	J
117-81-7	bis(2-Ethylhexyl)phthalate	410	U
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	96	J
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	160	J
193-39-5	Indeno(1,2,3-cd)pyrene	88	J
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	94	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL68

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041177

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB749

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 18 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/10/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	110	J
106-47-8	4-Chloroaniline	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	120	J
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL68

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041177

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB749

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 18 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/10/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	120	J
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	130	J
129-00-0	Pyrene	120	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	120	J
117-81-7	bis(2-Ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	120	J
207-08-9	Benzo(k)fluoranthene	100	J
50-32-8	Benzo(a)pyrene	90	J
193-39-5	Indeno(1,2,3-cd)pyrene	100	J
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	94	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL69

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041178

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB750

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: ~~20~~ 29 (D.N.) Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/10/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
100-52-7	Benzaldehyde	460	410	U
108-95-2	Phenol	↓	410	U
111-44-4	bis(2-Chloroethyl)Ether	↓	410	U
95-57-8	2-Chlorophenol	↓	410	U
95-48-7	2-Methylphenol	↓	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	↓	410	U
98-86-2	Acetophenone	↓	410	U
106-44-5	4-Methylphenol	↓	410	U
621-64-7	N-Nitroso-di-n-propylamine	↓	410	U
67-72-1	Hexachloroethane	↓	410	U
98-95-3	Nitrobenzene	↓	410	U
78-59-1	Isophorone	↓	410	U
88-75-5	2-Nitrophenol	↓	410	U
105-67-9	2,4-Dimethylphenol	↓	410	U
120-83-2	2,4-Dichlorophenol	↓	410	U
91-20-3	Naphthalene	↓	410	U
106-47-8	4-Chloroaniline	↓	410	U
111-91-1	bis(2-Chloroethoxy)methane	↓	410	U
87-68-3	Hexachlorobutadiene	↓	410	U
105-60-2	Caprolactam	↓	410	U
59-50-7	4-Chloro-3-methylphenol	↓	410	U
91-57-6	2-Methylnaphthalene	↓	410	U
77-47-4	Hexachlorocyclopentadiene	↓	410	U
88-06-2	2,4,6-Trichlorophenol	↓	410	U
95-95-4	2,4,5-Trichlorophenol	1200	1000	U
92-52-4	1,1'-Biphenyl	460	410	U
91-58-7	2-Chloronaphthalene	↓	410	U
88-74-4	2-Nitroaniline	1200	1000	U
131-11-3	Dimethylphthalate	460	410	U
606-20-2	2,6-Dinitrotoluene	↓	410	U
208-96-8	Acenaphthylene	↓	410	U
99-09-2	3-Nitroaniline	1200	1000	U
83-32-9	Acenaphthene	460	410	U

(D.N.) 6/6/00

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL69

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041178

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB750

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: ~~20~~ 29 (D.V.) Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/10/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	1000	U
100-02-7	4-Nitrophenol	1200	1000	U
132-64-9	Dibenzofuran	460	410	U
121-14-2	2,4-Dinitrotoluene	↓	410	U
84-66-2	Diethylphthalate	↓	410	U
86-73-7	Fluorene	↓	410	U
7005-72-3	4-Chlorophenyl-phenylether	↓	410	U
100-01-6	4-Nitroaniline	1200	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	460	410	U
101-55-3	4-Bromophenyl-phenylether	↓	410	U
118-74-1	Hexachlorobenzene	↓	410	U
1912-24-9	Atrazine	↓	410	U
87-86-5	Pentachlorophenol	1200	1000	U
85-01-8	Phenanthrene	460	410	U
120-12-7	Anthracene	↓	410	U
86-74-8	Carbazole	↓	410	U
84-74-2	Di-n-butylphthalate	↓	410	U
206-44-0	Fluoranthene	↓	410	U
129-00-0	Pyrene	↓	410	U
85-68-7	Butylbenzylphthalate	↓	410	U
91-94-1	3,3'-Dichlorobenzidine	↓	410	U
56-55-3	Benzo(a)anthracene	↓	410	U
218-01-9	Chrysene	↓	410	U
117-81-7	bis(2-Ethylhexyl)phthalate	↓	410	U
117-84-0	Di-n-octylphthalate	↓	410	U
205-99-2	Benzo(b)fluoranthene	↓	410	U
207-08-9	Benzo(k)fluoranthene	↓	410	U
50-32-8	Benzo(a)pyrene	↓	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	↓	410	U
53-70-3	Dibenzo(a,h)anthracene	↓	410	U
191-24-2	Benzo(g,h,i)perylene	↓	410	U

(D.V.) 6/6/00

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL45

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041153

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

% Moisture: decanted: (Y/N) Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 04/24/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/09/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 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
11100-14-4	Aroclor-1268	1.0	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.

CSL46

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041154

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

% Moisture: decanted: (Y/N) Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 04/24/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/09/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 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
11100-14-4	Aroclor-1268	1.0	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.

CSL47

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS - Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041155

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

% Moisture: decanted: (Y/N) Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 04/24/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/09/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 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
11100-14-4	Aroclor-1268	1.0	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.

CSL48 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041156

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

% Moisture: decanted: (Y/N) Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 04/24/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/09/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 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
11100-14-4	Aroclor-1268	1.0	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.

CSL49

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041157

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

% Moisture: decanted: (Y/N) Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 04/24/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/09/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 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
11100-14-4	Aroclor-1268	1.0	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.

CSL50

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041158

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

% Moisture: decanted: (Y/N) Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 04/24/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/09/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 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
11100-14-4	Aroclor-1268	1.0	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.

CSL51

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041159

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

% Moisture: decanted: (Y/N) Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 04/24/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/09/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 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
11100-14-4	Aroclor-1268	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL52

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041160

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

% Moisture: decanted: (Y/N) Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 04/24/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/09/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 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
11100-14-4	Aroclor-1268	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL53

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041161

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

% Moisture: decanted: (Y/N) Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 04/24/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/09/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 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	0.86	P
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
11100-14-4	Aroclor-1268	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL54

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041162

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

% Moisture: decanted: (Y/N) Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 04/24/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/09/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 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
11100-14-4	Aroclor-1268	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL70

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041163

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

% Moisture: decanted: (Y/N) Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 04/24/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/09/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 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
11100-14-4	Aroclor-1268	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL55

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041165

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 15 decanted: (Y/N) N Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/26/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/04/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	3.9	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.9	U
7421-93-4	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11100-14-4	Aroclor-1268	39	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL56

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041166

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: ~~29~~ 24 (D.W.) decanted: (Y/N) N Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/26/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/04/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.6	U
72-55-9	4,4'-DDE	4.6	U
72-20-8	Endrin	4.6	U
33213-65-9	Endosulfan II	4.6	U
72-54-8	4,4'-DDD	4.6	U
1031-07-8	Endosulfan sulfate	4.6	U
50-29-3	4,4'-DDT	4.6	U
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	4.6	U
7421-93-4	Endrin aldehyde	4.6	U
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	46	U
11100-14-4	Aroclor-1268	46	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	46	U
11096-82-5	Aroclor-1260	46	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL57 (Red) ORIGINAL

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041167

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 44 decanted: (Y/N) N Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/26/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/04/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 5.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	3.0	U
319-85-7	beta-BHC	3.0	U
319-86-8	delta-BHC	3.0	U
58-89-9	gamma-BHC (Lindane)	3.0	U
76-44-8	Heptachlor	3.0	U
309-00-2	Aldrin	3.0	U
1024-57-3	Heptachlor epoxide	3.0	U
959-98-8	Endosulfan I	3.0	U
60-57-1	Dieldrin	5.9	U
72-55-9	4,4'-DDE	5.9	U
72-20-8	Endrin	5.9	U
33213-65-9	Endosulfan II	5.9	U
72-54-8	4,4'-DDD	5.9	U
1031-07-8	Endosulfan sulfate	5.9	U
50-29-3	4,4'-DDT	5.9	U
72-43-5	Methoxychlor	30	U
53494-70-5	Endrin ketone	5.9	U
7421-93-4	Endrin aldehyde	5.9	U
5103-71-9	alpha-Chlordane	3.0	U
5103-74-2	gamma-Chlordane	3.0	U
8001-35-2	Toxaphene	300	U
12674-11-2	Aroclor-1016	59	U
11100-14-4	Aroclor-1268	59	U
11141-16-5	Aroclor-1232	59	U
53469-21-9	Aroclor-1242	59	U
12672-29-6	Aroclor-1248	59	U
11097-69-1	Aroclor-1254	59	U
11096-82-5	Aroclor-1260	59	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL58

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041168

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 26 decanted: (Y/N) N Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/26/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/04/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.5	U
72-55-9	4,4'-DDE	4.5	U
72-20-8	Endrin	4.5	U
33213-65-9	Endosulfan II	4.5	U
72-54-8	4,4'-DDD	4.5	U
1031-07-8	Endosulfan sulfate	4.5	U
50-29-3	4,4'-DDT	4.5	U
72-43-5	Methoxychlor	23	U
53494-70-5	Endrin ketone	4.5	U
7421-93-4	Endrin aldehyde	4.5	U
5103-71-9	alpha-Chlordane	2.3	U
5103-74-2	gamma-Chlordane	2.3	U
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor-1016	45	U
11100-14-4	Aroclor-1268	45	U
11141-16-5	Aroclor-1232	45	U
53469-21-9	Aroclor-1242	45	U
12672-29-6	Aroclor-1248	45	U
11097-69-1	Aroclor-1254	45	U
11096-82-5	Aroclor-1260	45	U

061775

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL60 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041169

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 24 decanted: (Y/N) N Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/26/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/04/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.3	U
72-55-9	4,4'-DDE	3.8	J
72-20-8	Endrin	4.3	U
33213-65-9	Endosulfan II	4.3	U
72-54-8	4,4'-DDD	4.3	U
1031-07-8	Endosulfan sulfate	4.3	U
50-29-3	4,4'-DDT	4.1	J
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.3	U
7421-93-4	Endrin aldehyde	4.3	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	43	U
11100-14-4	Aroclor-1268	43	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	43	U
11097-69-1	Aroclor-1254	43	U
11096-82-5	Aroclor-1260	43	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL61

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041170

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 25 24 (D.V.) decanted: (Y/N) N Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/26/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/04/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 5.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.4	U
72-55-9	4,4'-DDE	4.4	U
72-20-8	Endrin	4.4	U
33213-65-9	Endosulfan II	4.4	U
72-54-8	4,4'-DDD	4.4	U
1031-07-8	Endosulfan sulfate	4.4	U
50-29-3	4,4'-DDT	4.4	U
72-43-5	Methoxychlor	23	U
53494-70-5	Endrin ketone	4.4	U
7421-93-4	Endrin aldehyde	4.4	U
5103-71-9	alpha-Chlordane	2.3	U
5103-74-2	gamma-Chlordane	2.3	U
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor-1016	44	U
11100-14-4	Aroclor-1268	44	U
11141-16-5	Aroclor-1232	44	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	44	U
11097-69-1	Aroclor-1254	44	U
11096-82-5	Aroclor-1260	44	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL62

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041171

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 18 decanted: (Y/N) N Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/26/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/04/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	4.0	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.0	U
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	40	U
11100-14-4	Aroclor-1268	40	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL63

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041172

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 18 decanted: (Y/N) N Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/26/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/04/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 5.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	4.0	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.0	U
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	40	U
11100-14-4	Aroclor-1268	40	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL64 (ORIGINAL (Red))

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041173

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 31 decanted: (Y/N) N Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/26/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/04/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 5.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.5	U
319-85-7	beta-BHC	2.5	U
319-86-8	delta-BHC	2.5	U
58-89-9	gamma-BHC (Lindane)	2.5	U
76-44-8	Heptachlor	2.5	U
309-00-2	Aldrin	2.5	U
1024-57-3	Heptachlor epoxide	2.5	U
959-98-8	Endosulfan I	2.5	U
60-57-1	Dieldrin	4.8	U
72-55-9	4,4'-DDE	4.8	U
72-20-8	Endrin	4.8	U
33213-65-9	Endosulfan II	4.8	U
72-54-8	4,4'-DDD	4.8	U
1031-07-8	Endosulfan sulfate	4.8	U
50-29-3	4,4'-DDT	4.8	U
72-43-5	Methoxychlor	25	U
53494-70-5	Endrin ketone	4.8	U
7421-93-4	Endrin aldehyde	4.8	U
5103-71-9	alpha-Chlordane	2.5	U
5103-74-2	gamma-Chlordane	2.5	U
8001-35-2	Toxaphene	250	U
12674-11-2	Aroclor-1016	48	U
11100-14-4	Aroclor-1268	48	U
11141-16-5	Aroclor-1232	48	U
53469-21-9	Aroclor-1242	48	U
12672-29-6	Aroclor-1248	48	U
11097-69-1	Aroclor-1254	48	U
11096-82-5	Aroclor-1260	48	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL65

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041174

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 12 decanted: (Y/N) N Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/26/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/04/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 4.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	3.7	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11100-14-4	Aroclor-1268	37	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL66 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041175

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 18 decanted: (Y/N) N Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/26/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/05/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	4.0	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.0	U
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	40	U
11100-14-4	Aroclor-1268	40	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL67

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041176

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 19 decanted: (Y/N) N Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/26/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/05/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 5.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4'-DDE	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4'-DDT	7.6	P
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.1	U
7421-93-4	Endrin aldehyde	4.1	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	41	U
11100-14-4	Aroclor-1268	41	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	41	U
11096-82-5	Aroclor-1260	41	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL68 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041177

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: ~~19~~ 18 (D.W.) decanted: (Y/N) N Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/26/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/05/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 4.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4'-DDE	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4'-DDT	4.1	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.1	U
7421-93-4	Endrin aldehyde	4.1	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	41	U
11100-14-4	Aroclor-1268	41	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	41	U
11096-82-5	Aroclor-1260	41	U

ORIGINAL (Red)

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL69

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041178

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 29 decanted: (Y/N) N Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/26/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/05/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.6	U
72-55-9	4,4'-DDE	4.6	U
72-20-8	Endrin	4.6	U
33213-65-9	Endosulfan II	4.6	U
72-54-8	4,4'-DDD	4.6	U
1031-07-8	Endosulfan sulfate	4.6	U
50-29-3	4,4'-DDT	4.6	U
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	4.6	U
7421-93-4	Endrin aldehyde	4.6	U
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	46	U
11100-14-4	Aroclor-1268	46	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	46	U
11096-82-5	Aroclor-1260	46	U

ORIGINAL (Red)

Appendix D

Tentatively Identified Compounds

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL45

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041153

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041153

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

QC Column: RTX-502.2 ID: 0.530 (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. 1825-61-2~~	~~SILANE, METHOXYTRIMETHYL~~	~~8.98~~	~~7~~	~~JN~~

D.V. BSAT 6/5/00

0 0021

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL46 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041154

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041154

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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

0041032

ORIGINAL (Red)

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL47

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041155

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041155

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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

0..0041

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL48

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS - Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041156

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041156

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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

0.0050

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL49

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041157

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041157

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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.	G
~~1. 1825-61-2~~	~~SILANE, METHOXYTRIMETHYL~~	~~8.98~~	~~8~~	~~JN~~

D.V. EGAT 6/5/00

0 0059

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL50

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041158

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041158

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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

040070

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL51

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041159

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041159

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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

0..079

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL52

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041160

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041160

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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

041088

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL53

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041161

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041161

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (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

041097

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL54

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041162

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041162

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (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

041106

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL70

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041163

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041163

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (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

041115

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL71

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041164

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041164

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (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

041124

ORIGINAL (Red)

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL55

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041165

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041165

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 15 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

041022

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL56 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041166

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041166

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 24 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

041031

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL57

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041167

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041167

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 44 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL58

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041168

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041168

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 26 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

040049

ORIGINAL (Red)

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL60RE

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041169

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041169RE

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 24 Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

041067

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL61

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041170

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041170

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 25 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

0:0079

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL62

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041171

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041171

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 18 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

041088

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL63 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041172

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041169

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 18 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

0.0097

ORIGINAL (Red)

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL64

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041173

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041173

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 31 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

020118

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

CSL65

ORIGINAL

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041174

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041174

Level: (low/med) LOW Date Received: 04/24/00

% Moisture: not dec. 12 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

130

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL66

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041175

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041175

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 18 Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

040139

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL67 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041176

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041176

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 19 Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL68

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041177

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041177

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 19 Date Analyzed: 04/26/00

QC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL69

ORIGINAL

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041178

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041178

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 29 Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

041184

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL45

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041153

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB683

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/02/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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27.					
28.					
29.					
30.					

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL46 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041154

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB686

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/02/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL47

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041155

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB687

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/02/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL48 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041156

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB690

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL49

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 0041157

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB691

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL50

ORIGINAL

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041158

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB692

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL51

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041159

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB693

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL52

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041160

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB694

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL53

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041161

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB695

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL5A ORIGINAL Rec'd

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041162

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB696

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL70

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041163

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB697

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/03/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL55

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041165

Sample wt/vol: 30.0 (g/mL) G Lab File ID: H73GB701

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 15 Decanted: (Y/N) N Date Extracted:04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~UNKNOWN~~	~~4.19~~	~~1100~~	~~J~~
~~2. 57-10-3~~	~~N-HEXADECANOIC ACID~~	~~18.88~~	~~130~~	~~NJ~~
3. 83-47-6	.GAMMA.-SITOSTEROL	29.21	110	NJ
4.				
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D.V. ESH 5/26/

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL56

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041166

Sample wt/vol: 30.0 (g/mL) G Lab File ID: H73GB702

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 24 Decanted: (Y/N) N Date Extracted:04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~UNKNOWN~~	~~4.19~~	~~1400~~	~~J~~
~~2. 57-10-3~~	~~N-HEXADECANOIC ACID~~	~~18.87~~	~~150~~	~~NJ~~
3. 83-47-6	.GAMMA.-SITOSTEROL	29.21	130	NJ
4. 83-47-6	.GAMMA.-SITOSTEROL	29.61	88	NJ
5.	UNKNOWN	29.78	89	J
6. 559-74-0	FRIEDELIN	30.83	370	NJ
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RVB 5/26/00

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red)

CSL55

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041167

Sample wt/vol: 30.0 (g/mL) G Lab File ID: H73GB703

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 19 Decanted: (Y/N) N Date Extracted:04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~UNKNOWN~~	~~4.20~~	~~1100~~	~~J~~
2.				
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ESM
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL58

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041168

Sample wt/vol: 30.0 (g/mL) G Lab File ID: H73GB704

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 26 Decanted: (Y/N) N Date Extracted:04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.18~~	~~1500~~	~~NJ~~
~~2. 79-34-5~~	~~ETHANE, 1,1,2,2-TETRACHLORO-~~	~~18.87~~	~~180~~	~~NJ~~
3. 1454-85-9	1-HEPTADECANOL	23.46	100	NJ
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D/V 8
5/26/00

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EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CSL60 (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041169

Sample wt/vol: 30.0 (g/mL) G Lab File ID: H73GB745

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 24 Decanted: (Y/N) N Date Extracted:05/05/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/10/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

Number TICs found: 25

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~		~~UNKNOWN~~	~~4.04~~	~~700~~	~~J~~
~~2.~~		~~UNKNOWN~~	~~4.23~~	~~2000~~	~~J~~
3.		UNKNOWN	4.96	140	J
~~4.~~		~~UNKNOWN~~	~~5.18~~	~~210~~	~~J~~
5.		UNKNOWN	5.33	270	J
6.		UNKNOWN	5.36	290	J
~~7.~~	~~111-77-3~~	~~ETHANOL, 2-(2-METHOXYETHOXY)~~	~~5.72~~	~~330~~	~~NJ~~
8.	610-48-0	ANTHRACENE, 1-METHYL-	18.36	97	NJ
~~9.~~	~~57-10-3~~	~~N-HEXADECANOIC ACID~~	~~18.90~~	~~480~~	~~NJ~~
10.		UNKNOWN	19.87	110	J
11.	57-11-4	OCTADECANOIC ACID	20.74	210	NJ
12.	629-78-7	HEPTADECANE	21.90	160	NJ
13.	1454-85-9	1-HEPTADECANOL	23.47	460	NJ
14.	593-45-3	OCTADECANE	23.52	240	NJ
15.	2772-45-4	PHENOL, 2,4-BIS(1-METHYL-1-P	23.67	240	NJ
16.		UNKNOWN	23.82	130	J
17.	544-76-3	HEXADECANE	24.28	200	NJ
18.	1454-85-9	1-HEPTADECANOL	25.01	540	NJ
19.	630-06-8	HEXATRIACONTANE	27.73	300	NJ
20.	83-47-6	.GAMMA.-SITOSTEROL	29.24	240	NJ
21.		UNKNOWN	29.59	260	J
22.		UNKNOWN	29.80	180	J
23.	1058-61-3	STIGMAST-4-EN-3-ONE	30.18	160	NJ
24.		UNKNOWN	30.65	100	J
25.	559-74-0	FRIEDELIN	30.87	420	NJ
26.					
27.					
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DV. ESI 5/26

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL61

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041170

Sample wt/vol: 30.0 (g/mL) G Lab File ID: H73GB706

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 24 Decanted: (Y/N) N Date Extracted:04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0 Extraction: (Type) SONC

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.21~~	~~1400~~	~~NJ~~
~~2. 57-10-3~~	~~N-HEXADECANOIC ACID~~	~~18.87~~	~~120~~	~~NJ~~
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DV.8. 5/26/00

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red)

CSL62

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041171

Sample wt/vol: 30.0 (g/mL) G Lab File ID: H73GB746

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 05/05/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/10/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.03	610	J
~~2.~~	~~UNKNOWN~~	~~4.20~~	~~2000~~	~~J~~
~~3.~~	~~UNKNOWN~~	~~5.17~~	~~210~~	~~J~~
~~4. 111-77-3~~	~~ETHANOL, 2-(2-METHOXYETHOXY)~~	~~5.72~~	~~400~~	~~NJ~~
5. 6874-67-5	FARNESYL BROMIDE	28.75	200	NJ
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D.V. ESF 5/26/0

FORM I SV-TIC OLM04.2

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL63

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041172

Sample wt/vol: 30.0 (g/mL) G Lab File ID: H73GB710

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 04/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~UNKNOWN~~	~~4.20~~	~~1300~~	~~J~~
~~2. 57-10-3~~	~~N-HEXADECANOIC ACID~~	~~18.87~~	~~140~~	~~NJ~~
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D.V. CSAT 5/26/00

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. CSL64 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041173

Sample wt/vol: 30.0 (g/mL) G Lab File ID: H73GB711

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 31 Decanted: (Y/N) N Date Extracted:04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/05/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0 Extraction: (Type) SONC

Number TICs found: 27

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		~~UNKNOWN~~	~~4.19~~	~~1500~~	~~J~~
2.		UNKNOWN	10.15	160	J
~~3.~~	~~57-10-3~~	~~N-HEXADECANOIC ACID~~	~~18.88~~	~~280~~	~~NJ~~
4.	1454-85-9	1-HEPTADECANOL	23.46	140	NJ
5.		UNKNOWN	24.21	110	J
6.		UNKNOWN	24.89	1100	J
7.		UNKNOWN	25.00	220	J
8.	520-29-6	4',5-DIHYDROXY-7-METHOXYFLAV	25.62	540	NJ
9.		UNKNOWN	25.83	180	J
10.		UNKNOWN	25.90	140	J
11.		UNKNOWN	26.20	590	J
12.		UNKNOWN	26.52	420	J
13.		UNKNOWN	27.15	110	J
14.		UNKNOWN	27.31	280	J
15.		UNKNOWN	27.86	160	J
16.		UNKNOWN	27.96	480	J
17.		UNKNOWN	28.47	160	J
18.		UNKNOWN	28.87	230	J
19.		UNKNOWN	28.92	340	J
20.	83-47-6	.GAMMA.-SITOSTEROL	29.22	320	NJ
21.	127-22-0	TARAXEROL	29.36	140	NJ
22.	1000194-64-2	4,4,6A,6B,8A,11,12,14B-OCTAM	29.62	200	NJ
23.		UNKNOWN	29.79	200	J
24.		UNKNOWN	30.16	180	J
25.		UNKNOWN	30.63	230	J
26.	559-74-0	FRIEDELIN	30.84	470	NJ
27.	22315-68-0	2,2-DIMETHYL-1,2,3,4-TETRAHY	31.14	140	NJ
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D.V.E. 5/26/

ORIGINAL (Red)

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL65

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041174

Sample wt/vol: 30.0 (g/mL) G Lab File ID: H73GB712

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 12 Decanted: (Y/N) N Date Extracted:04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/05/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0 Extraction: (Type) SONC

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~UNKNOWN~~	~~4.19~~	~~1100~~	~~J~~
~~2. 57-10-3~~	~~N-HEXADECANOIC ACID~~	~~18.88~~	~~200~~	~~NJ~~
3. 142-91-6	ISOPROPYL PALMITATE	19.46	97	NJ
4. 559-74-0	FRIEDELIN	30.82	140	NJ
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D.V.B. 5/26/00

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: CSL66

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041175

Sample wt/vol: 30.0 (g/mL) G Lab File ID: H73GB713

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/05/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~UNKNOWN~~	~~4.18~~	~~1100~~	~~J~~
2. ~~57-10-3~~	~~N-HEXADECANOIC ACID~~	~~18.88~~	~~180~~	~~NJ~~
3. 142-91-6	ISOPROPYL PALMITATE	19.46	88	NJ
4. 559-74-0	FRIEDELIN	23.46	87	NJ
5.	UNKNOWN	27.76	100	J
6. 1000154-06-7	(-)-TRICYCLO[6.2.1.0(4,11)]U	29.18	340	NJ
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL67

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041176

Sample wt/vol: 30.0 (g/mL) G Lab File ID: H73GB747

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 19 Decanted: (Y/N) N Date Extracted:05/05/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/10/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.03	530	J
~~2.~~	~~UNKNOWN~~	~~4.21~~	~~2000~~	~~J~~
3. 106-42-3	P-XYLENE	4.52	290	NJ
4. 108-38-3	BENZENE, 1,3-DIMETHYL-	4.91	300	NJ
~~5. 111-77-3~~	~~ETHANOL, 2-(2-METHOXYETHOXY)~~	~~5.72~~	~~280~~	~~NJ~~
6. 6874-67-5	FARNESYL BROMIDE	6.63	390	NJ
7.	UNKNOWN	7.10	310	J
8.	UNKNOWN	9.85	230	J
9. 91-57-6	NAPHTHALENE, 2-METHYL-	11.48	760	NJ
10. 581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	12.72	340	NJ
11. 575-41-7	NAPHTHALENE, 1,3-DIMETHYL-	12.92	550	NJ
12. 569-41-5	NAPHTHALENE, 1,8-DIMETHYL-	12.96	490	NJ
13. 573-98-8	NAPHTHALENE, 1,2-DIMETHYL-	13.16	310	NJ
14. 571-61-9	NAPHTHALENE, 1,5-DIMETHYL-	13.21	180	NJ
15. 112-40-3	DODECANE	13.38	210	NJ
16. 629-62-9	PENTADECANE	13.85	210	NJ
17. 2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	14.29	210	NJ
18. 2245-38-7	NAPHTHALENE, 1,6,7-TRIMETHYL	14.49	200	NJ
19. 2245-38-7	NAPHTHALENE, 1,6,7-TRIMETHYL	14.98	390	NJ
20. 1689-64-1	9H-FLUOREN-9-OL	15.37	190	NJ
21. 7320-53-8	DIBENZOFURAN, 4-METHYL-	15.52	300	NJ
22.	UNKNOWN	16.16	270	J
23. 1921-70-6	PENTADECANE, 2,6,10,14-TETRA	16.23	760	NJ
24.	UNKNOWN	16.63	370	J
25. 593-45-3	OCTADECANE	17.23	250	NJ
26. 629-62-9	PENTADECANE	18.25	260	NJ
27. 610-48-0	ANTHRACENE, 1-METHYL-	18.37	330	NJ
28. 112-95-8	EICOSANE	19.23	250	NJ
29. 112-95-8	EICOSANE	20.17	280	NJ
30. 629-94-7	HENEICOSANE	26.43	600	NJ

D.V. Esm
5/26/00

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL68

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041177

Sample wt/vol: 30.0 (g/mL) G Lab File ID: H73GB749

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 18 Decanted: (Y/N) N Date Extracted:04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/10/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.0 Extraction: (Type) SONC

Number TICs found: 26

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~UNKNOWN~~	~~4.20~~	~~1400~~	~~J~~
2. 108-67-8	BENZENE, 1,3,5-TRIMETHYL-	6.63	93	NJ
3. 91-57-6	NAPHTHALENE, 2-METHYL-	11.47	150	NJ
4. 575-41-7	NAPHTHALENE, 1,3-DIMETHYL-	12.91	110	NJ
5. 1921-70-6	PENTADECANE, 2,6,10,14-TETRA	16.23	140	NJ
~~6. 57-10-3~~	~~N-HEXADECANOIC ACID~~	~~18.89~~	~~200~~	~~NJ~~
7. 142-91-6	ISOPROPYL PALMITATE	19.47	110	NJ
8. 54833-48-6	HEPTADECANE, 2,6,10,15-TETRA	20.16	100	NJ
9.	UNKNOWN	21.43	170	J
10. 629-97-0	DOCOSANE	21.91	420	NJ
11.	UNKNOWN	22.05	180	J
12. 112-95-8	EICOSANE	22.73	550	NJ
13. 13475-75-7	PENTADECANE, 8-HEXYL-	23.53	690	NJ
14. 629-78-7	HEPTADECANE	24.29	640	NJ
15. 629-94-7	HENEICOSANE	25.03	690	NJ
16.	UNKNOWN PAH	25.68	120	J
17.	UNKNOWN PAH	26.21	110	J
18. 629-94-7	HENEICOSANE	27.08	350	NJ
19. 630-06-8	HEXATRIACONTANE	27.73	350	NJ
20. 62016-79-9	HEPTACOSANE, 1-CHLORO-	28.35	160	NJ
21.	UNKNOWN	28.77	170	J
22. 86941-63-1	2(1H)NAPHTHALENONE, 3,5,6,7,	28.88	160	NJ
23.	UNKNOWN	28.94	260	J
24. 83-47-6	.GAMMA.-SITOSTEROL	29.24	360	NJ
25. 3386-33-2	OCTADECANE, 1-CHLORO-	29.59	140	NJ
26. 1058-61-3	STIGMAST-4-EN-3-ONE	30.18	150	NJ
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P. VESA 5/26/00

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL69

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041178

Sample wt/vol: 30.0 (g/mL) G Lab File ID: H73GB750

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/10/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~UNKNOWN~~	~~4.19~~	~~1400~~	~~J~~
2.	UNKNOWN	28.92	130	J
3.	UNKNOWN	29.79	180	J
4. 559-74-0	FRIEDELIN	30.85	340	NJ
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DV ES 5/26/00

ORIGINAL (Red)

Appendix E

Support Documentation

ORIGINAL

EPA United States Environmental Protection Agency
Contract Laboratory Program

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

SAS No. (if applicable):

Case No.: 27981

1. Project Code: NF	Account Code: 2T5AØ3N922	2. Region No.: III	Sampling Co.: MDE	4. Date Shipped: 4/21/2000	Carrier: FedEx
Regional Information: —		Sampler (Name): Phillip Anderson		Airbill Number: 8197424449258	
Non-Superfund Program: —		Sampler Signature: Phillip Anderson		5. Ship To: Enviro Systems, Inc. 9200 Rumsey Road Columbia, MD 21045 (410) 964-0330 ATTN: Mohsen Khave	
Site Name: New Jersey Fireworks		3. Purpose* Lead: SF, PRP, ✓ST, FED; Early Action: CLEM, PA, REM, RI, ✓SI, ESI; Long-Term Action: FS, RD, RA, O&M, NPLD			
City, State: Elkton, MD	Site Spill ID: E19				

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

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

CLP Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type: Comp./ Grab	D Preservative (from Box 7) Other:	E RAS Analysis VOA	BNA	Pest/PCB	High only ARO/TOX	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 = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
CSL45	2	L	G	1,5	X	X	X		3-303/034 to 3-303/045	GW-1	4/20/00 12:30	MCWWØ8	PR	S
CSL46	2	L	G	1,5	X	X	X		3-303/046 to 3-303/049	GW-2	4/20/00 10:30	MCWWØ1	PR	—
CSL47	2	L	G	1,5	X	X	X		3-303/062 to 3-303/065	GW-3	4/20/00 11:15	MCWWØ2	PR	—
CSL48	2	L	G	1,5	X	X	X		3-303/066 to 3-303/069	GW-4	4/20/00 10:45	MCWWØ3	PR	—
CSL49	2	L	G	1,5	X	X	X		3-303/146 to 3-303/149	GW-5	4/20/00 10:15	MCWWØ4	PR	—
CSL50	1	L	G	1,5	X	X	X		3-303/070 to 3-303/073	SW-1	4/20/00 12:00	MCWWØ5	PR	—
CSL51	1	L	G	1,5	X	X	X		3-303/074 to 3-303/077	SW-2	4/20/00 10:00	MCWWØ6	PR	—
CSL52	1	L	G	1,5	X	X	X		3-303/078 to 3-303/081	SW-3	4/20/00 9:45	MCWWØ7	PR	—
CSL53	1	L	G	1,5	X	X	X		3-303/082 to 3-303/085	SW-4	4/20/00 11:05	MCWWØ8	PR	—
CSL54	1	L	G	1,5	X	X	X		3-303/086 to 3-303/089	SW-5	4/20/00 13:00	MCWWØ9	PR	D of CSL52

Shipment for Case Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
Y	1 of 3	Do QC on CSL45		

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
	4/21/00 1500				
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	

A21-012-3 REV. 3/93

DISTRIBUTION: Blue - Region Copy; White - Lab Copy for Return to Region; Pink - S[redacted]; Yellow - [redacted]py for Return to SMO

EPA Form 9110-2[redacted]

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

355997

EPA United States Environmental Protection Agency
Contract Laboratory Program

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

SAS No. (if applicable):

Case No.: 27981

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
NF	2T5A03N9ZZ	III	MDE	4/21/2000	FedEx

Regional Information: —

Sampler (Name): Phillip Anderson

Airbill Number: 819742449258

Non-Superfund Program: —

Sampler Signature: Phillip Anderson

Site Name: New Jersey Fireworks

City, State: Elkton, MD

Site Spill ID: E19

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

5. Ship To: EnviroSystems, Inc, 9200 Rumsey Road, Columbia, MD 21045, (410) 964-0330, ATTN: Mohan Khare

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

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

CLP Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type: Comp./Grab	D Preservative (from Box 7) Other:	E RAS Analysis: VOA	BNA	Pest/PCB	High only ARO/TOX	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 = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
CSL55	5	L	G	6	X	X	X		3-3031090 to 3-3031092	SED-1	4/20/00 12:00	~~CSL55~~ MCWW10	PR	—
CSL56	5	L	G	6	X	X	X		3-3031093 to 3-3031095	SED-2	4/20/00 10:00	MCWW11	PR	—
CSL57	5	L	G	6	X	X	X		3-3031097 to 3-3031099	SED-3	4/20/00 9:45	MCWW12	PR	—
CSL58	5	L	G	6	X	X	X		3-3031101 to 3-3031103	SED-4	4/20/00 11:05	MCWW13	PR	—
~~CSL59~~	~~5~~	~~L~~	~~G~~	~~6~~	~~X~~	~~X~~	~~X~~		~~3-3031104 to 3-3031106~~	~~SED-5~~		~~MCWW14~~		~~D of CSL56~~
CSL60	5	L	G	6	X	X	X		3-3031107 to 3-3031109	S-1	4/20/00 12:45	MCWW15	PR	—
CSL61	5	L	G	6	X	X	X		3-3031110 to 3-3031112	S-2	4/21/00 0845	MCWW16	PR	—
CSL62	5	L	G	6	X	X	X		3-3031113 to 3-3031118	S-3	4/21/00 0830	MCWW17	PR	S
CSL63	5	L	G	6	X	X	X		3-3031119 to 3-3031121	S-4	4/21/00 0900	MCWW18	PR	—
CSL65	5	L	G	6	X	X	X		3-3031122 to 3-3031124	S-5	4/20/00 10:05	MCWW19	PR	—

4/20/00 [illegible]

[illegible] 4/20/

Shipment for Case Complete? (Y/N): Y

Page: 2 of 3

Sample(s) to be Used for Laboratory QC: Do QC on CSL 62

Additional Sampler Signatures: [illegible]

Chain of Custody Seal Number(s):

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	4/21/2000 1500				
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 Region; Pink - SMO Copy; Yellow - Lab Copy for Return to SMO

EPA Form 9110-2

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

A2I-012-3 REV. 3/93

355998

ORIGINAL (Red)

EPA United States Environmental Protection Agency
Contract Laboratory Program

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

SAS No. (if applicable):

Case No.: 27981

1. Project Code: NF	Account Code: 2TSA03N9EZ	2. Region No.: III	Sampling Co.: MDE	4. Date Shipped: 4/21/2000	Carrier: Fed Ex
Regional Information: —		Sampler (Name): Phillip Anderson		Airbill Number: 819742449258	
Non-Superfund Program: —		Sampler Signature: Phillip Anderson		5. Ship To: Enviro Systems, Inc. 9250 Rumsey Road Columbia, MD 21045 (410) 964-0330 ATTN: Mohan Khare	
Site Name: New Jersey Fireworks		3. Purpose*: Lead: SF, PRP, ✓ ST, FED; Early Action: CLEM, PA, REM, ✓ RI, SI, ESI; Long-Term Action: FS, RD, RA, O&M, NPLD			
City, State: Elkton, MD	Site Spill ID: E19				

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

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

CLP Sample Numbers (from labels)	A Matrix (from Box 6) / Other:	B Conc.: Low Med High	C Sample Type: Comp./Grab	D Preservative (from Box 7) / Other:	E RAS Analysis: VOA	BNA	Pest/PCB	High only / ARO/TOX	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 = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
CSL 65	5	L	G	5	X	X	X		3-303/125 to 3-303/127	S-6	4/21/00 9:25	MCWW 20	PR	—
CSL 66	5	L	G	5	X	X	X		3-303/128 to 3-303/130	S-7	4/21/00 9:50	MCWW 21	PR	—
CSL 67	5	L	G	5	X	X	X		3-303/131 to 3-303/133	S-8	4/21/00 9:40	MCWW 22	PR	—
CSL 68	5	L	G	5	X	X	X		3-303/134 to 3-303/136	S-9	4/21/00 9:45	MCWW 23	PR	—
CSL 69	5	L	G	5	X	X	X		3-303/137 to 3-303/139	S-10	4/21/00 9:00	MCTT 34	PR	Dof CSL 63
~~CSL 70~~	~~4~~	~~L~~	~~G~~	~~5~~	~~X~~	~~X~~	~~X~~		~~3-303/140 to 3-303/143~~	~~FB-1~~		~~MCTT42~~		~~B~~
CSL 71	4	L	G	5	X				3-303/144 to 3-303/145	TB-1	4/20/00 1645	—	AJ	B
CSL 70	4	L	G	5	X	X	X		3-303/140 to 3-303/143	FB-1	4/20/00 1444	MCTT42	AJ	B

M 4/21/00 AJ 4/21/

Shipment for Case Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
Y	3 of 3		[illegible]	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	4/21/2000 1500				
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	

A21-012-3 REV. 3/93

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EPA Form 9110-2[redacted]

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

355996

EPA United States Environmental Protection Agency
Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable):

Case No.: 27981

1. Project Code	NF
Account Code	2T5A03N922
2. Region No.	III
Sampling Co.	MDE
4. Date Shipped	4/24/00
Carrier	~~Fedex~~ Hand-Delivered AS 4/24/00
Regional Information	—
Sampler (Name)	Phillip Anderson
Airbill Number	~~8197[illegible]~~ None AS 4/24/00
Non-Superfund Program	—
Sampler Signature	Phillip Anderson
5. Ship To	EnviroSystems Inc. 9200 Rumsey Road Columbia, MD 21045 (410) 964-0330 ATTN: Mohan Khare
Site Name	New Jersey Fireworks
City, State	Elkton, MD
Site Spill ID	F19

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

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

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

CLP Sample Numbers (from labels)	A Matrix (from Box 6) / Other:	B Conc.: Low Med High	C Sample Type: Comp./ Grab	D Preservative (from Box 7) / Other:	E RAS Analysis: VOA	BNA	Pest/ PCB	High only / ARO/ TOX	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 = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
C8L65	5	L	G	5	X				3-3031125 to 3-3031126	S-6	4/21/00 9:25	MCWW2C	PR	—

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

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	4/24/00 1100				
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	

A21-012-3 REV. 3/93

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EPA Form 9110-2

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

355933

ORIGINAL (Red)

MDE

MARYLAND DEPARTMENT OF THE ENVIRONMENT

2500 Broening Highway • Baltimore, Maryland 21224
(410) 631-3000 • 1-800-633-6101 • http:// www. mde. state. md. us

Parris N. Glendening
Governor

Jane T. Nishida
Secretary

April 26, 2000

[redacted]
EnviroSystems, Inc.
9200 Rumsey Road
Columbia, MD 21045

Re: Paperwork Error on Region III Case #27981
Federal Express Shipment on 4/21/00, Airbill #819742449269

Dear Mr. Khare:

On April 21, 2000, an error was made on the Organic Traffic Report & Chain of Custody Records (Form Number 355996). The soil samples to be analyzed for volatile organics for Sample Number CSL65 were not enclosed in the shipment cooler. However, these soil samples were hand delivered to your laboratory on April 24, 2000 under Organic Traffic Report & Chain of Custody Record Form Number 355933.

Please feel free to contact John Kwedar, Region III Sample Control Center Coordinator, at (410) 305-3021 for any questions.

Sincerely,

Alan W. Fong, Project Manager
Site and Brownfields Assessments/State
Superfund Division

AWF:cp

cc: Mr. Richard W. Collins
Mr. Karl Kalbacher
Mr. John Kwedar
Ms. Karla Mihalak
Mr. William Wentworth
Mr. Art O'Connell

Lab apparently analyzed CSL65 VOAs using extractable aliquot of CSL65 which the lab received on 4-22-00. VOAs for CSL65 were analyzed 4-22-00. Missing VOA aliquot of CSL64 was not delivered to lab until 4-24-00: April 24 2000.

Judy Snyder
ESAT Auditor
5-18-00

ENVIROSYSTEMS, INC.

9200 Rumsey Road • Suite B102 • Columbia, Maryland 21045-1934
Phone (410) 964-0330 • Fax (410) 740-9306
Email: info@envsystems.com • Webpage: www.envsystems.com/envsys

June 1, 2000

Daniel V. Slizys
CLP Technical Project Officer
US EPA, Environmental Science Center
701 Mapes Road
Fort Meade, MD 20755-5350

Dear Dan:

I am writing to you in response to the comments on the CSF inventory checklist dated May 25, 2000, received on May 29, 2000 for Case 27981, SDG CSL55.

The VOA aliquot of sample CSL65 was missing from the cooler received on 4/22/00. The sample was hand delivered to laboratory on 4/24/00. Documentation of the samplers paperwork error can be found in the SDG File section of the report on page 997.

Forms 1A, 1B and 1F have the incorrect date received (4/22/00 instead of 4/24/00) but the analysis date is correct as reported (4/25/00). The comments section of the EPA Region III inventory checklist indicates that sample CSL65 was analyzed on 4/22/00 and speculates that the laboratory has used an extractables aliquot of the sample for analysis. In fact, the volatiles analysis of sample CSL65 was performed on 4/25/00 and is accurately documented on Forms 1A, 1B, 1F, 4A, 5A, and 8A as well as the sample chromatogram, quantitation report and injection logbook. Enclosed please find copies of the above referenced forms. Please note that the received date has been corrected on the enclosed Form 1A, 1B and 1F as resubmittals.

Please do not hesitate to call if you have any questions, comments, or require additional information.

Sincerely,

Mohan Khare

[redacted]
President/CEO

CC: DynCorp

Validate

ORIGINAL

Contract Laboratory Analytical Services Support (CLASS) Record of Communication

Name: [redacted]

Contact Recv'd Via: ☑ Phone ☐ Fax ☐ Vmail ☐ Memo ☐ Other

Date/Time of Contact: 05/01/2000 11:30 AM

Contact/Org./Phone # [redacted] / Envirosystems, Inc./ [redacted]

Initiated By: ☐ EPA ☐ CLASS ☐ Engr. Contr. ☑ Lab ☐ Region ☐ SCC ☐ Other

Type of Inquiry: TR Tracking

Lab: ENVSYS **Contract #:** W99023 **Case #:** 27981 **SDG:** **Region:** 3

SOW: **Affected Samples:** CSL64, CSL65 **Invoice #:**

Discussion/Issue:

5/1/00 11:30 AM Tara Martz, ENVSYS, reported to CLASS the TR/COC listed sample CSL65 twice. Sample CSL64 was received but not listed on the TR/COC.

5/1/00 12:00 AM CLASS relayed the above issue to John Kwedar, RSCC Region 3.

Resolution:

5/3/00 9:00 AM Per the Region, sample CSL64 should be added to the TR/COC. This issue should be noted in the case narrative and the lab should proceed with analysis.

CLPAS Notification: Yes **Completed Date/Time:** 05/17/2000 2:00 PM

Related ROCs: **Date/Time:** **W.A.#:** ST&R

Distribution: ◉ Lab ◉ Region ◉ CLASS ○ AOC ○ Work Assign. Man.

PAGE _____

ORIGINAL (Red)

BUSINESS CONTACT RECORD

DATE _____ TIME _____ TELEPHONE _____ MEETING _____

CONTACT ORIGINATOR (Name/Organization)

Karla Mihalak (703) 264-9312

CONTACTED (Name/Organization)

Case 27981

SUBJECT

Sample is CSL64 is listed as CSL65

TEXT

on COC but is correct on Sample and Sample tag

COPIES TO:

PREPARED BY:

0 0996

ENVIROSYSTEMS, INC.

ORIGINAL (Red)

SAMPLE LOG-IN SHEET

Lab Name: Envirosystems

Page 1 of 1

Received By (Print Name): Tara Martz

Log-in Date: 4/22/00

Received By (Signature): Tara Martz

Case Number: 27981

Sample Delivery Group No.: CSL55

SAS Number:

REMARKS:

1. Custody Seal(s) — Present/Absent* Intact/Broken
2. Custody Seal Nos.:
3. Chain-of-Custody Records — Present/Absent*
4. Traffic Reports or Packing List — Present/Absent*
5. Airbill — Airbill/Sticker Present/Absent*
6. Airbill No.: 819742449258
7. Sample Tags — Present/Absent*
   Sample Tag Numbers — Listed/Not Listed on Chain-of-Custody
8. Sample Condition: Intact/Broken*/Leaking
9. Does information on custody records, traffic reports, and sample tags agree? Yes/No*
10. Date Received at Lab: 4/22/00
11. Time Received: 1100

Sample Transfer

Fraction:

Area #:

By:

On:

EPA SAMPLE #	CORRESPONDING SAMPLE TAG #	CORRESPONDING ASSIGNED LAB #	REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC.
CSL55	3-3031090-92	00041165	Cooler Temp 3° C
CSL56	3-3031093-5	1166	
CSL57	3-3031097-99	1167	
CSL58	3-3031101-03	1168	
CSL60	3-3031107-09	1169	
CSL61	3-3031110-12	1170	
CSL62	3-3031113-18	1171	
CSL63	3-3031119-21	1172	
CSL64	3-3031122-24	1173	
CSL65	3-3031127-[illegible]	1174	
CSL66	3-3031128-30	1175	
CSL67	3-3031131-33	1176	
CSL68	3-3031134-36	1177	
CSL69	3-3031137-39	1178	

* Contact SMO and attach record of resolution

Reviewed By:

Date:

Logbook No.:

Logbook Page No:

FORM DC-1

ORIGINAL

SAMPLE LOG-IN SHEET

Lab Name: Envirosystems

Received By (Print Name): Tara Martz

Log-in Date: 4/24/00

Received By (Signature): Tara Martz

Case Number: 27981

Sample Delivery Group No.: CSL55

SAS Number:

REMARKS:

1. Custody Seal(s) — Present/Absent* Intact/Broken
2. Custody Seal Nos.:
3. Chain-of-Custody Records — Present/Absent*
4. Traffic Reports or Packing List — Present/Absent*
5. Airbill — Airbill/Sticker Present/Absent*
6. Airbill No.: Delivered by hand from sampler
7. Sample Tags — Present/Absent*
   Sample Tag Numbers — Listed/Not Listed on Chain-of-Custody
8. Sample Condition: Intact/Broken*/Leaking
9. Does information on custody records, traffic reports, and sample tags agree? Yes/No*
10. Date Received at Lab: 4/24/00
11. Time Received: 1130 am

Sample Transfer

Previous: _____ _____

Area #: _____ _____

By: _____ _____

On: _____ _____

EPA SAMPLE #	CORRESPONDING SAMPLE TAG #	CORRESPONDING ASSIGNED LAB #	REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC.
CSL65	3-3031125-26	00041174	Cooler Temp 3°C

* Contact SMO and attach record of resolution

Reviewed By: _____

Date: _____

Logbook No.: _____

Logbook Page No.: _____

FORM DC-1

SDG NARRATIVE

LABORATORY NAME: ENVIROSYSTEMS, INC.

CASE #: 27981 SDG #: CSL45 REGION: III

CONTRACT: 68-W9-9023

DATE SAMPLES RECEIVED AT LABORATORY: 22 APRIL 2000

SAMPLE ANALYSES INCLUDED IN THIS REPORT:

EPA SAMPLE #	LAB ID #	ANALYSIS	MATRIX	VOA pH
CSL45	00041153	VOA, BNA, PEST	WATER	2
CSL46	00041154	VOA, BNA, PEST	WATER	2
CSL47	00041155	VOA, BNA, PEST	WATER	2
CSL48	00041156	VOA, BNA, PEST	WATER	2
CSL49	00041157	VOA, BNA, PEST	WATER	2
CSL50	00041158	VOA, BNA, PEST	WATER	2
CSL51	00041159	VOA, BNA, PEST	WATER	2
CSL52	00041150	VOA, BNA, PEST	WATER	2
CSL53	00041161	VOA, BNA, PEST	WATER	2
CSL54	00041162	VOA, BNA, PEST	WATER	2
CSL70	00041163	VOA, BNA, PEST	WATER	2
CSL71	00041164	VOA	WATER	2

Matrix spike/matrix spike duplicate (MS/MSD) analysis was performed on sample CSL45.

Samples for this contract are analyzed by EPA SOW OLM04.2 for multi-media, multi-concentration organics.

VOLATILES SECTION:

The volatile analysis was performed using a Finnigan 5100 GC/MS with a Restek 105 meter RTX-502.2 column, an inner diameter of 0.53 mm and a 3 micron film thickness. The trap used with the autosampler is a 30 cm Supelco, Inc. K Trap (VOCARB 3000) packed with Carbopack B/Carboxen 1000 & 1001.

All QC criteria was met for all samples in this SDG.

Each of ten MS/MSD recoveries and each of the five MS/MSD RPD values were within the EPA advisory QC limits.

SEMIVOLATILES SECTION:

The semi-volatile analysis was performed using a Hewlett Packard HP5973A MSD with an HP-5MS 30 meter column with an inner diameter of 0.25 mm and a 0.5 micron film thickness.

Samples CSL49, CSL51, CSL52, CSL53 and CSL54 had noncompliant surrogate recoveries. Each analysis had more than one base-

neutral surrogate recovery below the QC limits. Insufficient sample was received to perform reextraction.

All other QC criteria was met for all samples in this SDG.

Each of eighteen MS/MSD recoveries and each of the nine MS/MSD RPD values were within the EPA advisory QC limits.

PESTICIDE/AROCLOR SECTION:

The primary analytical column was an RTXCLP 30m, 0.53mm ID, 0.25 micron film thickness. Confirmation analysis was performed using an RTXCLP2 30m, 0.53 mm ID, 0.25 micron film thickness GC column.

Sample CSL45 had TCX and DCB surrogate recoveries below the EPA advisory QC limits. Samples CSL49, CSL50, CSL53 and CSL54 had DCB surrogate recovery slightly below the QC limit on at least one of the analytical columns

All other QC criteria was met for all samples in this SDG.

Endrin recovery was below the EPA advisory QC limit in both the MS and MSD analyses. All of the other MS/MSD recoveries were with in the QC criteria. Each of the six MS/MSD RPD values was within the EPA advisory QC limits.

I CERTIFY THAT THIS DATA PACKAGE IS IN COMPLIANCE WITH THE TERMS AND CONDITIONS OF THE CONTRACT, BOTH TECHNICALLY AND FOR COMPLETENESS, FOR OTHER THAN THE CONDITIONS DETAILED ABOVE. RELEASE OF THE DATA CONTAINED IN THIS HARDCOPY DATA PACKAGE HAS BEEN AUTHORIZED BY THE LABORATORY MANAGER OR HIS DESIGNEE, AS VERIFIED BY THE FOLLOWING SIGNATURE:

[redacted] DATE: 5/12/00

12 May 2000

Organics Section Manager

SDG NARRATIVE

LABORATORY NAME: ENVIROSYSTEMS, INC.

CASE #: 27981 SDG #: CSL55 REGION: III

CONTRACT: 68-W9-9023

DATE SAMPLES RECEIVED AT LABORATORY: 22 APRIL 2000

SAMPLE ANALYSES INCLUDED IN THIS REPORT:

EPA SAMPLE #	LAB ID #	ANALYSIS	MATRIX	VOA pH
CSL55	00041165	VOA, BNA, PEST	SOIL	n/a
CSL56	00041166	VOA, BNA, PEST	SOIL	n/a
CSL57	00041167	VOA, BNA, PEST	SOIL	n/a
CSL58	00041168	VOA, BNA, PEST	SOIL	n/a
CSL60	00041169	VOA, BNA, PEST	SOIL	n/a
CSL60RE	00041169	VOA	SOIL	n/a
CSL61	00041170	VOA, BNA, PEST	SOIL	n/a
CSL62	00041171	VOA, BNA, PEST	SOIL	n/a
CSL63	00041172	VOA, BNA, PEST	SOIL	n/a
CSL64	00041173	VOA, BNA, PEST	SOIL	n/a
CSL65	00041174	VOA, BNA, PEST	SOIL	n/a
CSL66	00041175	VOA, BNA, PEST	SOIL	n/a
CSL67	00041176	VOA, BNA, PEST	SOIL	n/a
CSL67RE	00041176	VOA	SOIL	n/a
CSL68	00041177	VOA, BNA, PEST	SOIL	n/a
CSL69	00041178	VOA, BNA, PEST	SOIL	n/a

Matrix spike/matrix spike duplicate (MS/MSD) analysis was performed on sample CSL62.

Samples for this contract are analyzed by EPA SOW OLM04.2 for multi-media, multi-concentration organics.

VOLATILES SECTION:

The volatile analysis was performed using a Finnigan 5100 GC/MS with a Restek 105 meter RTX-502.2 column, an inner diameter of 0.53 mm and a 3 micron film thickness. The trap used with the autosampler is a 30 cm Supelco, Inc. K Trap (VOCARB 3000) packed with Carbopack B/Carboxen 1000 & 1001.

Samples CSL60 and CSL67 required reanalysis due to low internal standard areas. The reanalysis of each sample had similarly low internal standard areas and both sets of data for each sample are included in this report.

The aqueous holding blank was analyzed as a soil sample using heated purge since only soil samples were contained in this SDG.

All other QC criteria was met for all samples in this SDG.

ORIGINAL (Red)

Each of ten MS/MSD recoveries and each of the five MS/MSD RPD values were within the EPA advisory QC limits.

SEMIVOLATILES SECTION:

The semi-volatile analysis was performed using a Hewlett Packard HP5973A MSD with an HP-5MS 30 meter column with an inner diameter of 0.25 mm and a 0.5 micron film thickness.

Samples CSL60, CSL62 and CSL67 required reextraction due to noncompliant surrogate recoveries. The second extraction and analysis produced compliant surrogate recoveries and only the data from the reextracted samples is included in this report. The reextractions were performed outside of the required holding time.

All other QC criteria was met for all samples in this SDG.

Two of eighteen MS/MSD recoveries were outside the EPA advisory QC limits. Each of the nine MS/MSD RPD values were within the EPA advisory QC limits.

PESTICIDE/AROCLOR SECTION:

The primary analytical column was an RTXCLP 30m, 0.53mm ID, 0.25 micron film thickness. Confirmation analysis was performed using an RTXCLP2 30m, 0.53 mm ID, 0.25 micron film thickness GC column.

Samples CSL66 and CSL68 had TCX and DCB surrogate recoveries below the EPA advisory Qc limits. Sample CSL67 had DCB surrogate recovery slightly below the QC limit on the RTXCLP column only.

All other QC criteria was met for all samples in this SDG.

Each of twelve MS/MSD recoveries and each of the six MS/MSD RPD values were within the EPA advisory QC limits.

I CERTIFY THAT THIS DATA PACKAGE IS IN COMPLIANCE WITH THE TERMS AND CONDITIONS OF THE CONTRACT, BOTH TECHNICALLY AND FOR COMPLETENESS, FOR OTHER THAN THE CONDITIONS DETAILED ABOVE. RELEASE OF THE DATA CONTAINED IN THIS HARDCOPY DATA PACKAGE HAS BEEN AUTHORIZED BY THE LABORATORY MANAGER OR HIS DESIGNEE, AS VERIFIED BY THE FOLLOWING SIGNATURE:

_____ DATE: 5/12/00

[redacted]

12 May 2000

Organics Section Manager

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION I I I
CALIBRATION OUTLIERS
VOLATILE COMPOUNDS

CASE/DAS NO. 27981 CONTRACTOR ESAT

Instrument# F5100B	Init. Cal			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	04/25/2000 1037			04/25/2000 1256			04/26/2000 0847								
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Dichlorodifluoromethane															
Chloromethane															
Vinyl chloride															
Bromomethane															
Chloroethane															
Trichlorofluoromethane															
1,1-Dichloroethene															
1,1,2-Trichloro-1,2,2-trifluoroethane															
Acetone															
Carbon disulfide															
Methyl Acetate															
Methylene chloride															
trans-1,2-Dichloroethene															
Methyl tert-Butyl Ether															
1,1-Dichloroethane															
cis-1,2-Dichloroethene															
2-Butanone															
Chloroform															
1,1,1-Trichloroethane															
Cyclohexane															
Carbon Tetrachloride															
Benzene															
1,2-Dichloroethane															
Trichloroethene															
Methylcyclohexane															
1,2-Dichloropropane															
Bromodichloromethane															
cis-1,3-Dichloropropene															
4-Methyl-2-pentanone		34.7	I					-26.3	C						
Toluene															
trans-1,3-Dichloropropene															
1,1,2-Trichloroethane															
Tetrachloroethene															
2-Hexanone		41.9	I		-30.8	C		-34.6	C						
Dibromochloromethane															
1,2-Dibromoethane															
Chlorobenzene															
Ethylbenzene															
Xylene (total)															
Styrene															
Bromoform															
Isopropylbenzene															
1,1,2,2-Tetrachloroethane															
1,3-Dichlorobenzene															
1,4-Dichlorobenzene															
1,2-Dichlorobenzene															
1,2-Dibromo-3-Chloropropane															
1,2,4-Trichlorobenzene															

AFFECTED SAMPLES :	ALL SAMPLES ON THIS PAGE	VBLKBO	VBLKBP
		CSL45	CSL53
		CSL45MS	CSL54
		CSL45MSD	CSL70
		CSL46 CSL50	CSL71
		CSL47 CSL51	VHBLKBP
Reviewer		CSL48 CSL52	
Initials/Date: DWG / 03/30/00		CSL49	

ORIGINAL (Red)

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION I I I
CALIBRATION OUTLIERS
VOLATILE COMPOUNDS

CASE/DAS NO. 27981 CONTRACTOR ESAT

Instrument# F5100C	Init. Cal			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	04/24/2000 0915			04/25/2000 0910			04/26/2000 0843								
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Dichlorodifluoromethane															
Chloromethane					-30.0	C		-29.8	C						
Vinyl chloride															
Bromomethane															
Chloroethane															
Trichlorofluoromethane															
1,1-Dichloroethene		31.9	I												
1,1,2-Trichloro-1,2,2-trifluoroethane								-27.6	C						
Acetone					-43.7	C		-40.9	C						
Carbon disulfide															
Methyl Acetate															
Methylene chloride		25.1	I		-28.4	C		-26.6	C						
trans-1,2-Dichloroethene															
Methyl tert-Butyl Ether															
1,1-Dichloroethane															
cis-1,2-Dichloroethene															
2-Butanone					-35.5	C		-27.1	C						
Chloroform															
1,1,1-Trichloroethane															
Cyclohexane															
Carbon Tetrachloride															
Benzene															
1,2-Dichloroethane															
Trichloroethene															
Methylcyclohexane															
1,2-Dichloropropane															
Bromodichloromethane															
cis-1,3-Dichloropropene															
4-Methyl-2-pentanone															
Toluene															
trans-1,3-Dichloropropene															
1,1,2-Trichloroethane															
Tetrachloroethene															
2-Hexanone															
Dibromochloromethane															
1,2-Dibromoethane															
Chlorobenzene															
Ethylbenzene															
Xylene (total)															
Styrene															
Bromoform															
Isopropylbenzene															
1,1,2,2-Tetrachloroethane															
1,3-Dichlorobenzene															
1,4-Dichlorobenzene															
1,2-Dichlorobenzene															
1,2-Dibromo-3-Chloropropane															
1,2,4-Trichlorobenzene															

AFFECTED SAMPLES :	ALL SAMPLES ON THIS PAGE	VBLKCO	VBLKCP
		CSL62MS	CSL66
		CSL62MSD	CSL67
		CSL55 CSL61	CSL68
		CSL56 CSL62	CSL69
		CSL57 CSL63	CSL60RE
Reviewer		CSL58 CSL64	CSL67RE
Initials/Date: DWG / 03/30/00		CSL60 CSL65	VHBLKCP

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE COMPOUNDS

CASE/DAS NO. 27981 CONTRACTOR ESAT

Instrument#	HP73G	Init. Cal			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:		05/01/2000 0947			05/02/2000 1130			05/03/2000 1056								
		RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Benzaldehyde																
Phenol																
bis-(2-Chloroethyl) ether																
2-Chlorophenol																
2-Methylphenol																
2,2'-oxybis(1-Chloropropane)																
Acetophenone																
4-Methylphenol																
N-Nitroso-di-n-propylamine																
Hexachloroethane																
Nitrobenzene																
Isophorone																
2-Nitrophenol																
2,4-Dimethylphenol																
bis(2-Chloroethoxy)methane																
2,4-Dichlorophenol																
Naphthalene																
4-Chloroaniline			35.4	I		-36.6	C									
Hexachlorobutadiene																
Caprolactam																
4-Chloro-3-methylphenol																
2-Methylnaphthalene																
Hexachlorocyclopentadiene																
2,4,6-Trichlorophenol																
2,4,5-Trichlorophenol																
1,1'-Biphenyl																
2-Chloronaphthalene																
2-Nitroaniline																
Dimethylphthalate																
2,6-Dinitrotoluene																
Acenaphthylene																
3-Nitroaniline		0.035	106.7	FI	0.009	-74.3	FC	0.044	25.7	FC						
Acenaphthene																
2,4-Dinitrophenol									-28.4	C						
4-Nitrophenol																
Dibenzofuran																
2,4-Dinitrotoluene																
Diethylphthalate																
Fluorene																
4-Chlorophenyl-phenyl ether																
4-Nitroaniline									53.3	C						
4,6-Dinitro-2-methylphenol																
N-Nitrosodiphenylamine																
4-Bromophenyl-phenylether																
Hexachlorobenzene																
Atrazine																
Pentachlorophenol																
Phenanthrene																

AFFECTED SAMPLES :	ALL SAMPLES ON THIS PAGE	SBLK92	CSL48 CSL70
		CSL45	CSL49
		CSL45MS	CSL50
		CSL45MSD	CSL51
		CSL46	CSL52
		CSL47	CSL53
			CSL54

Reviewer Initials/Date: DWG / 03/30/00

ORIGINAL (Red)

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE COMPOUNDS

CASE/DAS NO - 27981 CONTRACTOR ESAT

Instrument# HP73G	Init. Cal			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	05/01/2000 0947			05/02/2000 1130			05/03/2000 1056								
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Anthracene															
Carbazole		52.5	I												
Di-n-butylphthalate															
Fluoranthene															
Pyrene															
Butylbenzylphthalate															
3,3'-Dichlorobenzidine								32.5	C						
Benzo(a)anthracene															
Chrysene															
bis(2-Ethylhexyl)phthalate															
Di-n-octylphthalate															
Benzo(b)fluoranthene															
Benzo(k)fluoranthene															
Benzo(a)pyrene															
Indeno(1,2,3-cd)pyrene															
Dibenzo(a,h)anthracene								28.0	C						
Benzo(g,h,i)perylene								29.9	C						

AFFECTED SAMPLES :	ALL SAMPLES ON THIS PAGE	SBLK92	CSL48 CSL70
		CSL45	CSL49
		CSL45MS	CSL50
		CSL45MSD	CSL51
		CSL46	CSL52
Reviewer Initials/Date: DWG / 03/30/00		CSL47	CSL53
			CSL54

ORIGINAL (Red)

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE COMPOUNDS

CASE/DAS NO. 27981 CONTRACTOR ESAT

Instrument# HP73G	Init. Cal			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	05/01/2000 0947			05/04/2000 1434			05/05/2000 0934			05/10/2000 1042					
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Benzaldehyde					74.1	C		88.6	C						
Phenol								32.3	C		26.1	C			
bis-(2-Chloroethyl) ether															
2-Chlorophenol															
2-Methylphenol															
2,2'-oxybis(1-Chloropropane)											31.9	C			
Acetophenone															
4-Methylphenol															
N-Nitroso-di-n-propylamine															
Hexachloroethane															
Nitrobenzene															
Isophorone															
2-Nitrophenol															
2,4-Dimethylphenol															
bis(2-Chloroethoxy)methane															
2,4-Dichlorophenol															
Naphthalene															
4-Chloroaniline		35.4	I								-30.1	C			
Hexachlorobutadiene															
Caprolactam															
4-Chloro-3-methylphenol															
2-Methylnaphthalene											32.2	C			
Hexachlorocyclopentadiene															
2,4,6-Trichlorophenol															
2,4,5-Trichlorophenol															
1,1'-Biphenyl															
2-Chloronaphthalene															
2-Nitroaniline								25.4	C						
Dimethylphthalate															
2,6-Dinitrotoluene															
Acenaphthylene															
3-Nitroaniline	0.035	106.7	FI	0.017	-51.4	FC		165.7	C		188.6	C			
Acenaphthene															
2,4-Dinitrophenol											-35.4	C			
4-Nitrophenol															
Dibenzofuran															
2,4-Dinitrotoluene															
Diethylphthalate															
Fluorene															
4-Chlorophenyl-phenyl ether															
4-Nitroaniline								57.6	C		35.8	C			
4,6-Dinitro-2-methylphenol															
N-Nitrosodiphenylamine								28.1	C						
4-Bromophenyl-phenylether															
Hexachlorobenzene															
Atrazine															
Pentachlorophenol															
Phenanthrene															

AFFECTED SAMPLES :	ALL SAMPLES ON THIS PAGE	CSL55	CSL63	SBLK95	SBLK07
		CSL56	CSL64		CSL60
		CSL56	CSL65		CSL62
		CSL56	CSL66		CSL67
		CSL61			CSL68
Reviewer		CSL62MS			CSL69
Initials/Date: DWG / 03/30/00		CSL62MSD			

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE COMPOUNDS

CASE/DAS NO. 27981 CONTRACTOR ESAT

Instrument# HP73G	Init. Cal			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	05/01/2000 0947			05/04/2000 1434			05/05/2000 0934			05/10/2000 1042					
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Anthracene															
Carbazole		52.5	I					152.6	C		183.2	C			
Di-n-butylphthalate															
Fluoranthene															
Pyrene															
Butylbenzylphthalate															
3,3'-Dichlorobenzidine					-25.3	C									
Benzo(a)anthracene															
Chrysene															
bis(2-Ethylhexyl)phthalate															
Di-n-octylphthalate															
Benzo(b)fluoranthene															
Benzo(k)fluoranthene															
Benzo(a)pyrene															
Indeno(1,2,3-cd)pyrene								31.5	C						
Dibenzo(a,h)anthracene								38.0	C						
Benzo(g,h,i)perylene								25.5	C						

AFFECTED SAMPLES :					
	ALL SAMPLES	CSL55	CSL63	SBLK95	SBLK07
	ON THIS PAGE	CSL56	CSL64		CSL60
		CSL56	CSL65		CSL62
		CSL56	CSL66		CSL67
		CSL61			CSL68
Reviewer		CSL62MS			CSL69
Initials/Date: DWG / 03/30/00		CSL62MSD			

DEFINITION OF CODES USED IN TABLE I

I = %RSD exceeded 30% in the initial calibration, positive results are qualified "J". When the %RSD exceeded 50%, quantitation limits are qualified "UJ".

C = %D exceeded 30% in the volatile continuing calibration, and 25% in the semivolatile continuing calibration. Positive results are qualified "J". When the %D exceeded 50%, quantitation limits are qualified "UJ".

F = RF less than 0.05 in the calibration. All quantitation limits are qualified "R" and positive results are qualified "L".

+ = The "B" qualifier, denoting blank contamination, supersedes the qualifier issued in this table.

R = The "R" qualifier, denoting unusable results, supersedes the qualifier issued in this table.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Instrument ID: F5100B Calibration Date(s): 04/25/00 04/25/00

Heated Purge: (Y/N): N Calibration Times: 1037 1256

GC Column: RTX-502.2 ID: 0.530(mm)

LAB FILE ID: RRF10 = 0425V1B1 RRF20 = 0425V4B1
RRF50= 0425V3B1 RRF100= 0425V4B1 RRF200= 0425V5B1

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.658	0.663	0.668	0.663	0.625	0.655	2.6
Chloromethane	1.089	0.955	0.868	0.955	0.944	0.962	8.3
Vinyl Chloride *	1.020	1.063	1.043	1.063	0.992	1.036	2.9*
Bromomethane *	1.285	0.857	0.836	0.857	0.670	0.901	25.4*
Chloroethane	0.850	0.818	0.888	0.818	0.731	0.821	7.1
Trichlorofluoromethane	2.841	2.455	2.543	2.455	1.914	2.442	13.7
1,1-Dichloroethene *	0.863	0.846	1.037	0.846	0.822	0.883	9.9*
1,1,2-Trichloro-1,2,2-trifl	2.322	2.365	2.230	2.365	2.423	2.341	3.1
1,2,2-trifluoroethane							
Acetone	0.303	0.212	0.197	0.212	0.197	0.224	20.0
Carbon Disulfide	3.587	3.897	3.638	3.897	3.982	3.800	4.6
Methyl Acetate	1.096	1.103	0.959	1.103	1.122	1.077	6.2
Methylene Chloride	1.825	1.770	1.981	1.770	1.713	1.812	5.7
trans-1,2-Dichloroethene	1.628	1.686	1.600	1.686	1.690	1.658	2.5
tert-Butyl Methyl Ether	2.718	2.971	2.803	2.971	2.982	2.889	4.2
1,1-Dichloroethane *	3.239	3.302	3.110	3.302	3.328	3.256	2.7*
cis-1,2-Dichloroethene	1.577	1.676	1.593	1.676	1.731	1.651	3.9
2-Butanone	0.646	0.503	0.507	0.503	0.517	0.535	11.6
Chloroform *	3.462	3.483	3.392	3.483	3.605	3.485	2.2*
1,1,1-Trichloroethane *	0.508	0.510	0.489	0.510	0.533	0.510	3.1*
Cyclohexane	2.321	2.439	2.245	2.439	2.566	2.402	5.1
Carbon Tetrachloride *	0.479	0.490	0.470	0.490	0.554	0.497	6.7*
Benzene *	0.992	0.985	0.991	0.985	1.141	1.019	6.7*
1,2-Dichloroethane *	2.416	2.424	2.427	2.424	2.730	2.484	5.5*
Trichloroethene *	0.386	0.440	0.406	0.440	0.467	0.428	7.4*
Methylcyclohexane	0.495	0.628	0.574	0.628	0.676	0.600	11.5

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

060133

ORIGINAL (Red)

6B

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Instrument ID: F5100B Calibration Date(s): 04/25/00 04/25/00

Heated Purge: (Y/N): N Calibration Times: 1037 1256

GC Column: RTX-502.2 ID: 0.530(mm)

LAB FILE ID: RRF10 = 0425V1B1 RRF20 = 0425V4B1
RRF50= 0425V3B1 RRF100= 0425V4B1 RRF200= 0425V5B1

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	RRF	% RSD
1,2-Dichloropropane	0.416	0.462	0.423	0.462	0.507	0.454	8.0
Bromodichloromethane *	0.606	0.704	0.641	0.704	0.766	0.684	9.1*
cis-1,3-Dichloropropene *	0.371	0.580	0.493	0.580	0.654	0.536	20.2*
4-Methyl-2-Pentanone	0.099	0.235	0.185	0.235	0.293	0.209	34.7
Toluene *	1.248	1.341	1.283	1.341	1.377	1.318	3.[illegible]
trans-1,3-Dichloropropene *	0.254	0.452	0.369	0.452	0.528	0.411	25.4*
1,1,2-Trichloroethane *	0.362	0.411	0.373	0.411	0.443	0.400	8.2*
Tetrachloroethene *	0.375	0.392	0.376	0.392	0.400	0.387	2.8*
2-Hexanone	0.054	0.119	0.074	0.119	0.169	0.107	41.9
Dibromochloromethane *	0.410	0.532	0.475	0.532	0.574	0.505	12.6*
1,2-Dibromoethane	0.454	0.550	0.523	0.550	0.582	0.532	9.1
Chlorobenzene *	1.053	1.012	0.993	1.012	1.008	1.016	2.2*
Ethylbenzene *	0.382	0.450	0.408	0.450	0.481	0.434	9.0*
Xylene (total) *	0.487	0.579	0.546	0.579	0.583	0.555	7.3*
Styrene *	0.769	0.971	0.884	0.971	0.985	0.916	10.0*
Bromoform *	0.207	0.317	0.283	0.317	0.346	0.294	18.2*
Isopropylbenzene	1.552	1.795	1.684	1.795	1.691	1.703	5.9
1,1,2,2-Tetrachloroethane *	0.662	0.722	0.727	0.722	0.759	0.718	4.9*
1,3 Dichlorobenzene *	0.788	0.836	0.795	0.836	0.853	0.822	3.5*
1,4 Dichlorobenzene *	0.872	0.876	0.835	0.876	0.882	0.868	2.[illegible]
1,2 Dichlorobenzene *	0.815	0.820	0.793	0.820	0.827	0.815	1.[illegible]
1,2-Dibromo-3-chloropropane	0.086	0.119	0.117	0.119	0.141	0.116	16.9
1,2,4-Trichlorobenzene *	0.501	0.603	0.563	0.603	0.607	0.575	7.9*
Toluene-d8	1.372	1.145	1.102	1.145	1.153	1.183	9.1
Bromofluorobenzene *	1.024	0.865	0.829	0.865	0.851	0.887	8.8*
1,2-Dichloroethane-d4	2.842	1.844	1.900	1.844	2.160	2.118	20.1

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Instrument ID: F5100B Calibration date: 04/25/00 Time: 1256

Lab File ID: 0425V3B1 Init. Calib. Date(s): 04/25/00 04/25/00

EPA Sample No. (VSTD050##): VSTD050B0 Init. Calib. Times: 1037 1256

Heated Purge: (Y/N) N

GC Column: RTX-502.2 ID: 0.530(mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D	SAMPLE NO.
Dichlorodifluoromethane	0.655	0.668		2.0		VBLKB0
Chloromethane	0.962	0.868		-9.8		CSL45
Vinyl Chloride	1.036	1.043	0.100	0.7	25.0	CSL45MS
Bromomethane	0.901	0.836	0.100	-7.2	25.0	CSL45MSD
Chloroethane	0.821	0.888		8.2		CSL46
Trichlorofluoromethane	2.442	2.543		4.1		CSL47
1,1-Dichloroethene	0.883	1.037	0.100	17.4	25.0	CSL48
1,1,2-Trichloro-1,2,2-trifluo	2.341	2.230		-4.7		CSL49
1,2,2-trifluoroethane						CSL50
Acetone	0.224	0.197		-12.0		CSL51
Carbon Disulfide	3.800	3.638		-4.3		CSL52
Methyl Acetate	1.077	0.959		-11.0		
Methylene Chloride	1.812	1.981		9.3		
trans-1,2-Dichloroethene	1.658	1.600		-3.5		
tert-Butyl Methyl Ether	2.889	2.803		-3.0		
1,1-Dichloroethane	3.256	3.110	0.200	-4.5	25.0	
cis-1,2-Dichloroethene	1.651	1.593		-3.5		
2-Butanone	0.535	0.507		-5.2		
Chloroform	3.485	3.392	0.200	-2.7	25.0	
1,1,1-Trichloroethane	0.510	0.489	0.100	-4.1	25.0	
Cyclohexane	2.402	2.245		-6.5		
Carbon Tetrachloride	0.497	0.470	0.100	-5.4	25.0	
Benzene	1.019	0.991	0.500	-2.7	25.0	
1,2-Dichloroethane	2.484	2.427	0.100	-2.3	25.0	
Trichloroethene	0.428	0.406	0.300	-5.1	25.0	
Methylcyclohexane	0.600	0.574		-4.3		

All other compounds must meet a minimum RRF of 0.010.

0..0161

FORM VII VOA OLM04.2

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Instrument ID: F5100B Calibration date: 04/25/00 Time: 1256

Lab File ID: 0425V3B1 Init. Calib. Date(s): 04/25/00 04/25/00

EPA Sample No. (VSTD050##): VSTD050B0 Init. Calib. Times: 1037 1256

Heated Purge: (Y/N) N

GC Column: RTX-502.2 ID: 0.530(mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.454	0.423		-6.8	
Bromodichloromethane	0.684	0.641	0.200	-6.3	25.0
cis-1,3-Dichloropropene	0.536	0.493	0.200	-8.0	25.0
4-Methyl-2-Pentanone	0.209	0.185		-11.5	
Toluene	1.318	1.283	0.400	-2.7	25.0
trans-1,3-Dichloropropene	0.411	0.369	0.100	-10.2	25.0
1,1,2-Trichloroethane	0.400	0.373	0.100	-6.8	25.0
Tetrachloroethene	0.387	0.376	0.200	-2.8	25.0
2-Hexanone	0.107	0.074		-30.8	
Dibromochloromethane	0.505	0.475	0.100	-5.9	25.0
1,2-Dibromoethane	0.532	0.523		-1.7	
Chlorobenzene	1.016	0.993	0.500	-2.3	25.0
Ethylbenzene	0.434	0.408	0.100	-6.0	25.0
Xylene (total)	0.555	0.546	0.300	-1.6	25.0
Styrene	0.916	0.884	0.300	-3.5	25.0
Bromoform	0.294	0.283	0.100	-3.7	25.0
Isopropylbenzene	1.703	1.684		-1.1	
1,1,2,2-Tetrachloroethane	0.718	0.727	0.300	1.3	25.0
1,3 Dichlorobenzene	0.822	0.795	0.600	-3.3	25.0
1,4 Dichlorobenzene	0.868	0.835	0.500	-3.8	25.0
1,2 Dichlorobenzene	0.815	0.793	0.400	-2.7	25.0
1,2-Dibromo-3-chloropropane	0.116	0.117		0.9	
1,2,4-Trichlorobenzene	0.575	0.563	0.200	-2.1	25.0
Toluene-d8	1.183	1.102		-6.8	
Bromofluorobenzene	0.887	0.829	0.200	-6.5	25.0
1,2-Dichloroethane-d4	2.118	1.900		-10.3	

All other compounds must meet a minimum RRF of 0.010.

0.11162

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Instrument ID: F5100B Calibration date: 04/26/00 Time: 0847

Lab File ID: 0426V3B1 Init. Calib. Date(s): 04/25/00 04/25/00

EPA Sample No. (VSTD050##): VSTD050BP Init. Calib. Times: 1037 1256

Heated Purge: (Y/N) N

GC Column: RTX-502.2 ID: 0.530(mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D	SAMPLE NO.
Dichlorodifluoromethane	0.655	0.626		-4.4		VBLKBP
Chloromethane	0.962	0.826		-14.1		CSL53
Vinyl Chloride	1.036	0.989	0.100	-4.5	25.0	CSL54
Bromomethane	0.901	0.783	0.100	-13.1	25.0	CSL70
Chloroethane	0.821	0.795		-3.2		CSL71
Trichlorofluoromethane	2.442	2.570		5.2		VHBLKBP
1,1-Dichloroethene	0.883	0.789	0.100	-10.6	25.0	
1,1,2-Trichloro-1,2,2-trifluo	2.341	2.276		-2.8		
1,2,2-trifluoroethane						
Acetone	0.224	0.217		-3.1		
Carbon Disulfide	3.800	3.508		-7.7		
Methyl Acetate	1.077	0.889		-17.5		
Methylene Chloride	1.812	1.660		-8.4		
trans-1,2-Dichloroethene	1.658	1.497		-9.7		
tert-Butyl Methyl Ether	2.889	2.323		-19.6		
1,1-Dichloroethane	3.256	3.018	0.200	-7.3	25.0	
cis-1,2-Dichloroethene	1.651	1.493		-9.6		
2-Butanone	0.535	0.436		-18.5		
Chloroform	3.485	3.265	0.200	-6.3	25.0	
1,1,1-Trichloroethane	0.510	0.517	0.100	1.4	25.0	
Cyclohexane	2.402	2.368		-1.4		
Carbon Tetrachloride	0.497	0.516	0.100	3.8	25.0	
Benzene	1.019	1.057	0.500	3.7	25.0	
1,2-Dichloroethane	2.484	2.451	0.100	-1.3	25.0	
Trichloroethene	0.428	0.431	0.300	0.7	25.0	
Methylcyclohexane	0.600	0.602		0.3		

All other compounds must meet a minimum RRF of 0.010.

ORIGINAL (Red)

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Instrument ID: F5100B Calibration date: 04/26/00 Time: 0847

Lab File ID: 0426V3B1 Init. Calib. Date(s): 04/25/00 04/25/00

EPA Sample No. (VSTD050##): VSTD050BP Init. Calib. Times: 1037 1256

Heated Purge: (Y/N) N

GC Column: RTX-502.2 ID: 0.530(mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.454	0.438		-3.5	
Bromodichloromethane	0.684	0.653	0.200	-4.5	25.0
cis-1,3-Dichloropropene	0.536	0.483	0.200	-9.9	25.0
4-Methyl-2-Pentanone	0.209	0.154		-26.3	
Toluene	1.318	1.296	0.400	-1.7	25.0
trans-1,3-Dichloropropene	0.411	0.364	0.100	-11.4	25.0
1,1,2-Trichloroethane	0.400	0.397	0.100	-0.8	25.0
Tetrachloroethene	0.387	0.384	0.200	-0.8	25.0
2-Hexanone	0.107	0.070		-34.6	
Dibromochloromethane	0.505	0.469	0.100	-7.1	25.0
1,2-Dibromoethane	0.532	0.504		-5.3	
Chlorobenzene	1.016	1.008	0.500	-0.8	25.0
Ethylbenzene	0.434	0.413	0.100	-4.8	25.0
Xylene (total)	0.555	0.549	0.300	-1.1	25.0
Styrene	0.916	0.885	0.300	-3.4	25.0
Bromoform	0.294	0.264	0.100	-10.2	25.0
Isopropylbenzene	1.703	1.674		-1.7	
1,1,2,2-Tetrachloroethane	0.718	0.716	0.300	-0.3	25.0
1,3 Dichlorobenzene	0.822	0.807	0.600	-1.8	25.0
1,4 Dichlorobenzene	0.868	0.863	0.500	-0.6	25.0
1,2 Dichlorobenzene	0.815	0.790	0.400	-3.1	25.0
1,2-Dibromo-3-chloropropane	0.116	0.105		-9.5	
1,2,4-Trichlorobenzene	0.575	0.574	0.200	-0.2	25.0
Toluene-d8	1.183	1.091		-7.8	
Bromofluorobenzene	0.887	0.828	0.200	-6.7	25.0
1,2-Dichloroethane-d4	2.118	2.106		-0.6	

All other compounds must meet a minimum RRF of 0.010.

0..0164

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Instrument ID: F5100C Calibration Date(s): 04/24/00 04/24/00

Heated Purge: (Y/N): Y Calibration Times: 0915 1635

GC Column: RTX-502.2 ID: 0.530(mm)

LAB FILE ID: RRF10 = 0424V1C2 RRF20 = 0424V2C2
RRF50= 0424V3C2 RRF100= 0424V4C1 RRF200= 0424V5C1

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	RRF	% RSD
Dichlorodifluoromethane	0.805	0.889	0.760	0.840	0.927	0.844	7.8
Chloromethane	0.757	0.830	0.715	0.827	0.727	0.771	7.1
Vinyl Chloride *	0.680	0.722	0.563	0.649	0.682	0.659	9.1*
Bromomethane *	0.740	0.916	0.628	0.556	0.683	0.705	19.3*
Chloroethane	0.454	0.513	0.441	0.434	0.441	0.457	7.1
Trichlorofluoromethane	3.184	3.567	2.909	3.970	2.792	3.284	14.8
1,1-Dichloroethene *	1.126	1.122	1.027	0.564	0.598	0.887	31.9*
1,1,2-Trichloro-1,2,2-trifl	2.982	2.352	1.880	2.401	1.873	2.298	19.9
1,2,2-trifluoroethane							
Acetone	0.674	0.591	0.436	0.481	0.324	0.501	27.2
Carbon Disulfide	2.225	2.500	2.160	2.713	3.103	2.540	15.2
Methyl Acetate	0.896	1.308	1.114	1.322	1.443	1.217	17.6
Methylene Chloride	1.769	2.176	1.253	1.293	1.374	1.573	25.1
trans-1,2-Dichloroethene	1.043	1.129	1.013	1.378	1.354	1.183	14.6
tert-Butyl Methyl Ether	2.294	2.337	1.697	2.609	2.638	2.315	16.4
1,1-Dichloroethane *	2.252	2.294	2.034	2.416	2.591	2.317	8.9*
cis-1,2-Dichloroethene	1.189	1.200	1.048	1.298	1.405	1.228	10.8
2-Butanone	0.964	1.019	0.776	0.896	0.834	0.898	10.8
Chloroform *	3.354	3.409	2.981	3.541	3.734	3.404	8.2*
1,1,1-Trichloroethane *	0.588	0.605	0.564	0.524	0.799	0.616	17.3*
Cyclohexane	1.245	1.297	1.149	1.275	1.650	1.323	14.4
Carbon Tetrachloride *	0.701	0.738	0.687	0.680	0.973	0.756	16.3*
Benzene *	0.680	0.712	0.643	0.532	0.738	0.661	12.2*
1,2-Dichloroethane *	3.018	3.211	2.788	3.167	3.405	3.118	7.4*
Trichloroethene *	0.483	0.519	0.460	0.499	0.658	0.524	14.9*
Methylcyclohexane	0.339	0.363	0.330	0.375	0.535	0.388	21.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

ORIGINAL (Red)

6B

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Instrument ID: F5100C Calibration Date(s): 04/24/00 04/24/00

Heated Purge: (Y/N): Y Calibration Times: 0915 1635

GC Column: RTX-502.2 ID: 0.530(mm)

LAB FILE ID: RRF10 = 0424V1C2 RRF20 = 0424V2C2
RRF50= 0424V3C2 RRF100= 0424V4C1 RRF200= 0424V5C1

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	RRF	% RSD
1,2-Dichloropropane	0.280	0.272	0.254	0.277	0.409	0.298	21.0
Bromodichloromethane *	0.699	0.759	0.699	0.761	1.005	0.785	16.2*
cis-1,3-Dichloropropene *	0.347	0.390	0.387	0.433	0.607	0.433	23.6*
4-Methyl-2-Pentanone	0.382	0.437	0.434	0.372	0.354	0.396	9.5
Toluene *	1.012	1.006	0.947	1.034	1.069	1.014	4.4
trans-1,3-Dichloropropene *	0.355	0.360	0.365	0.407	0.535	0.404	18.8*
1,1,2-Trichloroethane *	0.386	0.402	0.368	0.389	0.474	0.404	10.2*
Tetrachloroethene *	0.605	0.626	0.566	0.622	0.675	0.619	6.4*
2-Hexanone	0.280	0.342	0.339	0.261	0.265	0.297	13.5
Dibromochloromethane *	0.750	0.821	0.768	0.798	0.846	0.797	4.9*
1,2-Dibromoethane	0.700	0.728	0.691	0.754	0.737	0.722	3.6
Chlorobenzene *	1.036	1.039	0.914	0.910	0.824	0.945	9.7*
Ethylbenzene *	0.411	0.408	0.382	0.390	0.381	0.394	3.6*
Xylene (total) *	0.451	0.488	0.467	0.472	0.476	0.471	2.9*
Styrene *	0.825	0.848	0.807	0.779	0.742	0.800	5.1*
Bromoform *	0.721	0.768	0.744	0.647	0.643	0.705	8.1*
Isopropylbenzene	1.416	1.509	1.443	1.372	1.282	1.404	6.0
1,1,2,2-Tetrachloroethane *	0.828	0.875	0.831	0.632	0.608	0.755	16.5*
1,3 Dichlorobenzene *	1.150	1.211	1.092	1.010	0.919	1.076	10.7*
1,4 Dichlorobenzene *	1.273	1.272	1.147	1.080	0.989	1.152	10.7
1,2 Dichlorobenzene *	1.151	1.219	1.086	0.989	0.958	1.081	10.
1,2-Dibromo-3-chloropropane	0.254	0.281	0.294	0.229	0.268	0.265	9.5
1,2,4-Trichlorobenzene *	1.057	1.103	1.032	0.909	0.891	0.998	9.4*
Toluene-d8	0.892	0.899	0.848	0.943	1.011	0.919	6.7
Bromofluorobenzene *	0.846	0.852	0.801	0.728	0.691	0.784	9.1*
1,2-Dichloroethane-d4	2.561	2.565	2.237	2.576	2.898	2.567	9.1

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

040197

7A

VOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Instrument ID: F5100C Calibration date: 04/25/00 Time: 0910

Lab File ID: 0425V3C1 Init. Calib. Date(s): 04/24/00 04/24/00

EPA Sample No. (VSTD050##): VSTD050C0 Init. Calib. Times: 0915 1635

Heated Purge: (Y/N) Y

GC Column: RTX-502.2 ID: 0.530(mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D	SAMPLE NO.
Dichlorodifluoromethane	0.844	0.817		-3.2		VBLKC0
Chloromethane	0.771	0.540		-30.0		CSL55
Vinyl Chloride	0.659	0.577	0.100	-12.4	25.0	CSL56
Bromomethane	0.705	0.641	0.100	-9.1	25.0	CSL57
Chloroethane	0.457	0.393		-14.0		CSL58
Trichlorofluoromethane	3.284	2.985		-9.1		CSL63
1,1-Dichloroethene	0.887	0.851	0.100	-4.1	25.0	CSL60
1,1,2-Trichloro-1,2,2-trifluo	2.298	1.772		-22.9		CSL61
1,2,2-trifluoroethane						CSL62
Acetone	0.501	0.282		-43.7		CSL62MS
Carbon Disulfide	2.540	2.197		-13.5		CSL62MSD
Methyl Acetate	1.217	0.959		-21.2		CSL64
Methylene Chloride	1.573	1.127		-28.4		CSL65
trans-1,2-Dichloroethene	1.183	1.120		-5.3		
tert-Butyl Methyl Ether	2.315	2.145		-7.3		
1,1-Dichloroethane	2.317	1.945	0.200	-16.1	25.0	
cis-1,2-Dichloroethene	1.228	1.067		-13.1		
2-Butanone	0.898	0.579		-35.5		
Chloroform	3.404	3.028	0.200	-11.0	25.0	
1,1,1-Trichloroethane	0.616	0.566	0.100	-8.1	25.0	
Cyclohexane	1.323	1.133		-14.4		
Carbon Tetrachloride	0.756	0.781	0.100	3.3	25.0	
Benzene	0.661	0.670	0.500	1.4	25.0	
1,2-Dichloroethane	3.118	2.648	0.100	-15.1	25.0	
Trichloroethene	0.524	0.485	0.300	-7.4	25.0	
Methylcyclohexane	0.388	0.352		-9.3		

All other compounds must meet a minimum RRF of 0.010.

001224

ORIGINAL (Red)

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Instrument ID: F5100C Calibration date: 04/25/00 Time: 0910

Lab File ID: 0425V3C1 Init. Calib. Date(s): 04/24/00 04/24/00

EPA Sample No. (VSTD050##): VSTD050CD Init. Calib. Times: 0915 1635

Heated Purge: (Y/N) Y

GC Column: RTX-502.2 ID: 0.530(mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.298	0.257		-13.8	
Bromodichloromethane	0.785	0.704	0.200	-10.3	25.0
cis-1,3-Dichloropropene	0.433	0.384	0.200	-11.3	25.0
4-Methyl-2-Pentanone	0.396	0.371		-6.3	
Toluene	1.014	0.987	0.400	-2.7	25.0
trans-1,3-Dichloropropene	0.404	0.363	0.100	-10.2	25.0
1,1,2-Trichloroethane	0.404	0.379	0.100	-6.2	25.0
Tetrachloroethene	0.619	0.615	0.200	-0.6	25.0
2-Hexanone	0.297	0.300		1.0	
Dibromochloromethane	0.797	0.797	0.100	0.0	25.0
1,2-Dibromoethane	0.722	0.715		-1.0	
Chlorobenzene	0.945	0.967	0.500	2.3	25.0
Ethylbenzene	0.394	0.401	0.100	1.8	25.0
Xylene (total)	0.471	0.484	0.300	2.8	25.0
Styrene	0.800	0.853	0.300	6.6	25.0
Bromoform	0.705	0.770	0.100	9.2	25.0
Isopropylbenzene	1.404	1.478		5.3	
1,1,2,2-Tetrachloroethane	0.755	0.831	0.300	10.1	25.0
1,3 Dichlorobenzene	1.076	1.147	0.600	6.6	25.0
1,4 Dichlorobenzene	1.152	1.174	0.500	1.9	25.0
1,2 Dichlorobenzene	1.081	1.128	0.400	4.3	25.0
1,2-Dibromo-3-chloropropane	0.265	0.251		-5.3	
1,2,4-Trichlorobenzene	0.998	1.004	0.200	0.6	25.0
Toluene-d8	0.919	0.896		-2.5	
Bromofluorobenzene	0.784	0.826	0.200	5.4	25.0
1,2-Dichloroethane-d4	2.567	2.071		-19.3	

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Instrument ID: F5100C Calibration date: 04/26/00 Time: 0843

Lab File ID: 0426V3C1 Init. Calib. Date(s): 04/24/00 04/24/00

EPA Sample No. (VSTD050##): VSTD050CP Init. Calib. Times: 0915 1635

Heated Purge: (Y/N) Y

GC Column: RTX-502.2 ID: 0.530(mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D	SAMPLE NO.
Dichlorodifluoromethane	0.844	0.738		-12.6		VBLKCP
Chloromethane	0.771	0.541		-29.8		CSL66
Vinyl Chloride	0.659	0.611	0.100	-7.3	25.0	CSL67
Bromomethane	0.705	0.631	0.100	-10.5	25.0	CSL68
Chloroethane	0.457	0.467		2.2		CSL69
Trichlorofluoromethane	3.284	3.182		-3.1		CSL60RE
1,1-Dichloroethene	0.887	0.958	0.100	8.0	25.0	CSL67RE
1,1,2-Trichloro-1,2,2-trifluo	2.298	1.665		-27.6		VHBLKCP
1,2,2-trifluoroethane						
Acetone	0.501	0.296		-40.9		
Carbon Disulfide	2.540	2.282		-10.2		
Methyl Acetate	1.217	0.995		-18.2		
Methylene Chloride	1.573	1.154		-26.6		
trans-1,2-Dichloroethene	1.183	1.181		-0.2		
tert-Butyl Methyl Ether	2.315	2.111		-8.8		
1,1-Dichloroethane	2.317	2.008	0.200	-13.3	25.0	
cis-1,2-Dichloroethene	1.228	1.108		-9.8		
2-Butanone	0.898	0.655		-27.1		
Chloroform	3.404	3.054	0.200	-10.3	25.0	
1,1,1-Trichloroethane	0.616	0.585	0.100	-5.0	25.0	
Cyclohexane	1.323	1.202		-9.1		
Carbon Tetrachloride	0.756	0.750	0.100	-0.8	25.0	
Benzene	0.661	0.706	0.500	6.8	25.0	
1,2-Dichloroethane	3.118	2.602	0.100	-16.6	25.0	
Trichloroethene	0.524	0.496	0.300	-5.3	25.0	
Methylcyclohexane	0.388	0.355		-8.5		

All other compounds must meet a minimum RRF of 0.010.

ORIGINAL (Red)

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Instrument ID: F5100C Calibration date: 04/26/00 Time: 0843

Lab File ID: 0426V3C1 Init. Calib. Date(s): 04/24/00 04/24/00

EPA Sample No. (VSTD050##): VSTD050CP Init. Calib. Times: 0915 1635

Heated Purge: (Y/N) Y

QC Column: RTX-502.2 ID: 0.530(mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.298	0.275		-7.7	
Bromodichloromethane	0.785	0.737	0.200	-6.1	25.0
cis-1,3-Dichloropropene	0.433	0.417	0.200	-3.7	25.0
4-Methyl-2-Pentanone	0.396	0.372		-6.1	
Toluene	1.014	0.963	0.400	-5.0	25.0
trans-1,3-Dichloropropene	0.404	0.383	0.100	-5.2	25.0
1,1,2-Trichloroethane	0.404	0.395	0.100	-2.2	25.0
Tetrachloroethene	0.619	0.592	0.200	-4.4	25.0
2-Hexanone	0.297	0.298		0.3	
Dibromochloromethane	0.797	0.807	0.100	1.3	25.0
1,2-Dibromoethane	0.722	0.718		-0.6	
Chlorobenzene	0.945	0.979	0.500	3.6	25.0
Ethylbenzene	0.394	0.374	0.100	-5.1	25.0
Xylene (total)	0.471	0.489	0.300	3.8	25.0
Styrene	0.800	0.844	0.300	5.5	25.0
Bromoform	0.705	0.780	0.100	10.6	25.0
Isopropylbenzene	1.404	1.496		6.6	
1,1,2,2-Tetrachloroethane	0.755	0.858	0.300	13.6	25.0
1,3 Dichlorobenzene	1.076	1.136	0.600	5.6	25.0
1,4 Dichlorobenzene	1.152	1.196	0.500	3.8	25.0
1,2 Dichlorobenzene	1.081	1.135	0.400	5.0	25.0
1,2-Dibromo-3-chloropropane	0.265	0.249		-6.0	
1,2,4-Trichlorobenzene	0.998	0.935	0.200	-6.3	25.0
Toluene-d8	0.919	0.867		-5.7	
Bromofluorobenzene	0.784	0.837	0.200	6.8	25.0
1,2-Dichloroethane-d4	2.567	2.176		-15.2	

All other compounds must meet a minimum RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Instrument ID: HP73G Calibration Date(s): 05/01/00 05/01/00

Calibration Time(s): 0947 1259

LAB FILE ID: RRF20 = H73GB673 RRF50 = H73GB671
RRF80 = H73GB674 RRF120 = H73GB675 RRF160 = H73GB672

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Benzaldehyde	0.523	0.601	0.544	0.503	0.459	0.526	9.9
Phenol *	1.719	1.769	1.586	1.504	1.264	1.568	12.8*
bis(2-Chloroethyl)Ether *	1.764	1.871	1.738	1.496	1.134	1.601	18.4*
2-Chlorophenol *	1.556	1.446	1.357	1.241	1.051	1.330	14.6*
2-Methylphenol *	1.459	1.486	1.366	1.300	1.206	1.363	8.4*
2,2'-oxybis(1-Chloropropane)	1.555	1.360	1.274	1.135	1.015	1.268	16.4
Acetophenone	2.060	2.004	1.864	1.763	1.579	1.854	10.4
4-Methylphenol *	1.459	1.470	1.366	1.227	1.051	1.315	13.4*
N-Nitroso-di-n-propylamine *	1.092	1.016	0.959	0.874	0.796	0.947	12.3*
Hexachloroethane *	0.916	0.864	0.807	0.744	0.666	0.799	12.3*
Nitrobenzene *	0.366	0.370	0.336	0.320	0.289	0.336	10.0*
Isophorone *	0.911	0.846	0.787	0.753	0.749	0.809	8.5*
2-Nitrophenol *	0.196	0.209	0.194	0.182	0.161	0.188	9.6*
2,4-Dimethylphenol *	0.358	0.345	0.325	0.309	0.280	0.323	9.4*
2,4-Dichlorophenol *	0.294	0.285	0.264	0.236	0.208	0.257	13.9*
Naphthalene *	1.178	1.078	0.985	0.876	0.756	0.975	17.0*
4-Chloroaniline	0.159	0.151	0.136	0.185	0.300	0.186	35.4
bis(2-Chloroethoxy)methane *	0.501	0.482	0.438	0.405	0.371	0.439	12.2*
Hexachlorobutadiene	0.161	0.141	0.129	0.112	0.094	0.127	20.4
Caprolactam	0.131	0.127	0.115	0.112	0.104	0.118	9.4
4-Chloro-3-methylphenol *	0.316	0.331	0.299	0.231	0.224	0.280	17.6*
2-Methylnaphthalene *	0.711	0.690	0.621	0.575	0.588	0.637	9.5*
Hexachlorocyclopentadiene	0.242	0.259	0.229	0.214	0.194	0.228	11.0
2,4,6-Trichlorophenol *	0.345	0.347	0.315	0.302	0.267	0.315	10.4*
2,4,5-Trichlorophenol *		0.393	0.366	0.340	0.299	0.350	11.4*
1,1'-Biphenyl	1.585	1.447	1.345	1.225	0.993	1.319	17.1
2-Chloronaphthalene *	1.273	1.171	1.086	0.982	0.827	1.068	16.1*
2-Nitroaniline		0.305	0.283	0.288	0.270	0.287	5.0
Dimethylphthalate	1.439	1.366	1.253	1.185	1.056	1.260	11.9
2,6-Dinitrotoluene *	0.342	0.340	0.311	0.300	0.264	0.311	10.3*
Acenaphthylene *	2.135	1.936	1.793	1.638	1.364	1.773	16.5*
3-Nitroaniline		0.019	0.014	0.016	0.089	0.035	106.7
Acenaphthene *	1.327	1.209	1.116	1.006	0.854	1.102	16.5*
2,4-Dinitrophenol		0.094	0.091	0.105	0.119	0.102	12.5
4-Nitrophenol		0.099	0.085	0.095	0.097	0.094	6.7
Dibenzofuran *	1.700	1.571	1.398	1.272	1.073	1.403	17.6*

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

ORIGINAL (Red)

6D

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Instrument ID: HP73G Calibration Date(s): 05/01/00 05/01/00

Calibration Time(s): 0947 1259

LAB FILE ID: RRF20 = H73GB673 RRF50 = H73GB671
RRF80 = H73GB674 RRF120 = H73GB675 RRF160 = H73GB672

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
2,4-Dinitrotoluene *	0.411	0.413	0.377	0.359	0.320	0.376	10.3*
Diethylphthalate	1.492	1.302	1.215	1.090	0.980	1.216	16.2
Fluorene *	1.355	1.249	1.122	1.035	0.878	1.128	16.4*
4-Chlorophenyl-phenylether *	0.575	0.495	0.452	0.404	0.344	0.454	19.4*
4-Nitroaniline		0.194	0.174	0.158	0.135	0.165	15.1
4,6-Dinitro-2-methylphenol		0.141	0.131	0.136	0.129	0.134	3.8
N-Nitrosodiphenylamine (1)	0.592	0.473	0.456	0.383	0.304	0.442	24.3
4-Bromophenyl-phenylether *	0.233	0.210	0.195	0.175	0.144	0.191	17.6*
Hexachlorobenzene *	0.267	0.232	0.219	0.189	0.158	0.213	19.5*
Atrazine	0.215	0.163	0.159	0.139	0.133	0.162	20.1
Pentachlorophenol *		0.134	0.121	0.122	0.110	0.122	8.1*
Phenanthrene *	1.324	1.192	1.130	1.005	0.850	1.100	16.5*
Anthracene *	1.289	1.169	1.099	0.978	0.790	1.065	17.9*
Carbazole	0.517	0.241	0.189	0.186	0.208	0.268	52.5
Di-n-butylphthalate	1.915	1.712	1.585	1.401	1.180	1.559	18.1
Fluoranthene *	1.279	1.183	1.078	0.966	0.803	1.062	17.5*
Pyrene *	1.840	1.500	1.505	1.310	1.240	1.479	15.8*
Butylbenzylphthalate	0.996	0.939	0.895	0.823	0.775	0.886	10.0
3,3'-Dichlorobenzidine	0.188	0.162	0.172	0.169	0.137	0.166	11.3
Benzo(a)anthracene *	1.203	1.201	1.094	1.037	0.927	1.092	10.7*
Chrysene *	1.163	1.093	1.053	0.924	0.812	1.009	13.9*
bis(2-Ethylhexyl)phthalate	1.259	1.268	1.152	1.033	0.950	1.132	12.3
Di-n-octylphthalate	2.707	2.799	2.420	2.104	2.027	2.411	14.4
Benzo(b)fluoranthene *	1.502	1.379	1.271	1.101	1.094	1.269	14.0*
Benzo(k)fluoranthene *	1.502	1.379	1.271	1.101	0.971	1.245	17.1*
Benzo(a)pyrene *	1.147	1.176	1.108	1.024	0.937	1.078	9.1*
Indeno(1,2,3-cd)pyrene *	0.701	0.781	0.838	0.844	0.736	0.780	8.0*
Dibenzo(a,h)anthracene *	0.646	0.698	0.758	0.748	0.685	0.707	6.6*
Benzo(g,h,i)perylene *	0.815	0.850	0.933	0.906	0.777	0.856	7.5*
Nitrobenzene-d5 *	0.389	0.402	0.365	0.352	0.325	0.367	8.4*
2-Fluorobiphenyl *	1.383	1.237	1.162	1.063	0.876	1.144	16.6*
Terphenyl-d14 *	1.221	0.995	0.990	0.851	0.801	0.972	16.8*
Phenol-d5 *	1.612	1.646	1.530	1.435	1.287	1.502	9.7*
2-Fluorophenol *	1.405	1.503	1.449	1.457	1.290	1.421	5.7*
2,4,6-Tribromophenol	0.115	0.112	0.105	0.094	0.080	0.101	14.2
2-Chlorophenol-d4 *	1.575	1.512	1.403	1.300	1.084	1.375	14.1*
1,2-Dichlorobenzene-d4 *	1.060	0.980	0.920	0.833	0.729	0.904	14.2*

(1) Cannot be separated from Diphenylamine
* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Instrument ID: HP73G Calibration Date: 05/02/00 Time: 1130

Lab File ID: H73GB681 Init. Calib. Date(s): 05/01/00 05/01/00

EPA Sample No.(SSTD050##): SSTD050GV Init. Calib. Times: 0947 1259

GC Column: HP-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.526	0.727		38.2	
Phenol	1.568	1.784	0.800	13.8	25.0
bis(2-Chloroethyl)Ether	1.601	1.931	0.700	20.6	25.0
2-Chlorophenol	1.330	1.495	0.800	12.4	25.0
2-Methylphenol	1.363	1.518	0.700	11.4	25.0
2,2'-oxybis(1-Chloropropane)	1.268	1.468		15.8	
Acetophenone	1.854	2.009		8.4	
4-Methylphenol	1.315	1.476	0.600	12.2	25.0
N-Nitroso-di-n-propylamine	0.947	1.076	0.500	13.6	25.0
Hexachloroethane	0.799	0.899	0.300	12.5	25.0
Nitrobenzene	0.336	0.356	0.200	6.0	25.0
Isophorone	0.809	0.869	0.400	7.4	25.0
2-Nitrophenol	0.188	0.200	0.100	6.4	25.0
2,4-Dimethylphenol	0.323	0.325	0.200	0.6	25.0
2,4-Dichlorophenol	0.257	0.282	0.200	9.7	25.0
Naphthalene	0.975	1.048	0.700	7.5	25.0
4-Chloroaniline	0.186	0.118		-36.6	
bis(2-Chloroethoxy)methane	0.439	0.472	0.300	7.5	25.0
Hexachlorobutadiene	0.127	0.144		13.4	
Caprolactam	0.118	0.125		5.9	
4-Chloro-3-methylphenol	0.280	0.319	0.200	13.9	25.0
2-Methylnaphthalene	0.637	0.700	0.400	9.9	25.0
Hexachlorocyclopentadiene	0.228	0.214		-6.1	
2,4,6-Trichlorophenol	0.315	0.336	0.200	6.7	25.0
2,4,5-Trichlorophenol	0.350	0.385	0.200	10.0	25.0
1,1'-Biphenyl	1.319	1.460		10.7	
2-Chloronaphthalene	1.068	1.162	0.800	8.8	25.0
2-Nitroaniline	0.287	0.290		1.0	
Dimethylphthalate	1.260	1.371		8.8	
2,6-Dinitrotoluene	0.311	0.336	0.200	8.0	25.0
Acenaphthylene	1.773	1.929	1.300	8.8	25.0
3-Nitroaniline	0.035	0.009		-74.3	
Acenaphthene	1.102	1.207	0.900	9.5	25.0
2,4-Dinitrophenol	0.102	0.080		-21.6	
4-Nitrophenol	0.094	0.095		1.1	
Dibenzofuran	1.403	1.509	0.800	7.6	25.0

All other compounds must meet a minimum RRF of 0.010.

SAMPLE NO.
SBLK92
CSL45
CSL45MS
CSL45MSD
CSL46
CSL47

FORM VII SV-1 OLM04.2

ORIGINAL (Red)

7D

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Instrument ID: HP73G Calibration Date: 05/02/00 Time: 1130

Lab File ID: H73GB681 Init. Calib. Date(s): 05/01/00 05/01/00

EPA Sample No.(SSTD050##): SSTD050GV Init. Calib. Times: 0947 1259

GC Column: HP-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
2,4-Dinitrotoluene	0.376	0.405	0.200	7.7	25.0
Diethylphthalate	1.216	1.334		9.7	
Fluorene	1.128	1.223	0.900	8.4	25.0
4-Chlorophenyl-phenylether	0.454	0.497	0.400	9.5	25.0
4-Nitroaniline	0.165	0.157		-4.8	
4,6-Dinitro-2-methylphenol	0.134	0.134		0.0	
N-Nitrosodiphenylamine(1)	0.442	0.463		4.8	
4-Bromophenyl-phenylether	0.191	0.212	0.100	11.0	25.0
Hexachlorobenzene	0.213	0.238	0.100	11.7	25.0
Atrazine	0.162	0.157		-3.1	
Pentachlorophenol	0.122	0.124	0.050	1.6	25.0
Phenanthrene	1.100	1.209	0.700	9.9	25.0
Anthracene	1.065	1.166	0.700	9.5	25.0
Carbazole	0.268	0.228		-14.9	
Di-n-butylphthalate	1.559	1.699		9.0	
Fluoranthene	1.062	1.157	0.600	8.9	25.0
Pyrene	1.479	1.684	0.600	13.9	25.0
Butylbenzylphthalate	0.886	0.978		10.4	
3,3'-Dichlorobenzidine	0.166	0.158		-4.8	
Benzo(a)anthracene	1.092	1.189	0.800	8.9	25.0
Chrysene	1.009	1.094	0.700	8.4	25.0
bis(2-Ethylhexyl)phthalate	1.132	1.209		6.8	
Di-n-octylphthalate	2.411	2.880		19.5	
Benzo(b)fluoranthene	1.269	1.383	0.700	9.0	25.0
Benzo(k)fluoranthene	1.245	1.442	0.700	15.8	25.0
Benzo(a)pyrene	1.078	1.193	0.700	10.7	25.0
Indeno(1,2,3-cd)pyrene	0.780	0.741	0.500	-5.0	25.0
Dibenzo(a,h)anthracene	0.707	0.677	0.400	-4.2	25.0
Benzo(g,h,i)perylene	0.856	0.844	0.500	-1.4	25.0
Nitrobenzene-d5	0.367	0.385	0.200	4.9	25.0
2-Fluorobiphenyl	1.144	1.242	0.700	8.6	25.0
Terphenyl-d14	0.972	1.099	0.500	13.1	25.0
Phenol-d5	1.502	1.662	0.800	10.7	25.0
2-Fluorophenol	1.421	1.507	0.600	6.1	25.0
2,4,6-Tribromophenol	0.101	0.112		10.9	
2-Chlorophenol-d4	1.375	1.528	0.800	11.1	25.0
1,2-Dichlorobenzene-d4	0.904	1.016	0.400	12.4	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

FORM VII SV-2 OLM04.2

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Instrument ID: HP73G Calibration Date: 05/03/00 Time: 1056

Lab File ID: H73GB689 Init. Calib. Date(s): 05/01/00 05/01/00

EPA Sample No.(SSTD050##): SSTD050GW Init. Calib. Times: 0947 1259

GC Column: HP-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.526	0.819		55.7	
Phenol	1.568	1.775	0.800	13.2	25.0
bis(2-Chloroethyl)Ether	1.601	1.791	0.700	11.9	25.0
2-Chlorophenol	1.330	1.486	0.800	11.7	25.0
2-Methylphenol	1.363	1.451	0.700	6.5	25.0
2,2'-oxybis(1-Chloropropane)	1.268	1.378		8.7	
Acetophenone	1.854	1.922		3.7	
4-Methylphenol	1.315	1.422	0.600	8.1	25.0
N-Nitroso-di-n-propylamine	0.947	0.953	0.500	0.6	25.0
Hexachloroethane	0.799	0.869	0.300	8.8	25.0
Nitrobenzene	0.336	0.356	0.200	6.0	25.0
Isophorone	0.809	0.802	0.400	-0.9	25.0
2-Nitrophenol	0.188	0.199	0.100	5.9	25.0
2,4-Dimethylphenol	0.323	0.302	0.200	-6.5	25.0
2,4-Dichlorophenol	0.257	0.276	0.200	7.4	25.0
Naphthalene	0.975	1.095	0.700	12.3	25.0
4-Chloroaniline	0.186	0.197		5.9	
bis(2-Chloroethoxy)methane	0.439	0.450	0.300	2.5	25.0
Hexachlorobutadiene	0.127	0.143		12.6	
Caprolactam	0.118	0.114		-3.4	
4-Chloro-3-methylphenol	0.280	0.299	0.200	6.8	25.0
2-Methylnaphthalene	0.637	0.668	0.400	4.9	25.0
Hexachlorocyclopentadiene	0.228	0.200		-12.3	
2,4,6-Trichlorophenol	0.315	0.333	0.200	5.7	25.0
2,4,5-Trichlorophenol	0.350	0.385	0.200	10.0	25.0
1,1'-Biphenyl	1.319	1.495		13.3	
2-Chloronaphthalene	1.068	1.198	0.800	12.2	25.0
2-Nitroaniline	0.287	0.299		4.2	
Dimethylphthalate	1.260	1.315		4.4	
2,6-Dinitrotoluene	0.311	0.310	0.200	-0.3	25.0
Acenaphthylene	1.773	2.010	1.300	13.4	25.0
3-Nitroaniline	0.035	0.044		25.7	
Acenaphthene	1.102	1.228	0.900	11.4	25.0
2,4-Dinitrophenol	0.102	0.073		-28.4	
4-Nitrophenol	0.094	0.095		1.1	
Dibenzofuran	1.403	1.569	0.800	11.8	25.0

All other compounds must meet a minimum RRF of 0.010.

SAMPLE NO.
CSL48
CSL49
CSL50
CSL51
CSL52
CSL53
CSL54
CSL70

FORM VII SV-1 OLM04.2

7D

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Instrument ID: HP73G Calibration Date: 05/03/00 Time: 1056

Lab File ID: H73GB689 Init. Calib. Date(s): 05/01/00 05/01/00

EPA Sample No.(SSTD050##): SSTD050GW Init. Calib. Times: 0947 1259

GC Column: HP-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
2,4-Dinitrotoluene	0.376	0.372	0.200	-1.1	25.0	
Diethylphthalate	1.216	1.266		4.1		
Fluorene	1.128	1.237	0.900	9.7	25.0	
4-Chlorophenyl-phenylether	0.454	0.503	0.400	10.8	25.0	
4-Nitroaniline	0.165	0.253		53.3		
4,6-Dinitro-2-methylphenol	0.134	0.121		-9.7		
N-Nitrosodiphenylamine(1)	0.442	0.546		23.5		
4-Bromophenyl-phenylether	0.191	0.214	0.100	12.0	25.0	
Hexachlorobenzene	0.213	0.243	0.100	14.1	25.0	
Atrazine	0.162	0.157		-3.1		
Pentachlorophenol	0.122	0.119	0.050	-2.5	25.0	
Phenanthrene	1.100	1.247	0.700	13.4	25.0	
Anthracene	1.065	1.211	0.700	13.7	25.0	
Carbazole	0.268	0.329		22.8		
Di-n-butylphthalate	1.559	1.667		6.9		
Fluoranthene	1.062	1.170	0.600	10.2	25.0	
Pyrene	1.479	1.512	0.600	2.2	25.0	
Butylbenzylphthalate	0.886	0.805		-9.1		
3,3'-Dichlorobenzidine	0.166	0.220		32.5		
Benzo(a)anthracene	1.092	1.155	0.800	5.8	25.0	
Chrysene	1.009	1.109	0.700	9.9	25.0	
bis(2-Ethylhexyl)phthalate	1.132	1.040		-8.1		
Di-n-octylphthalate	2.411	2.110		-12.5		
Benzo(b)fluoranthene	1.269	1.310	0.700	3.2	25.0	
Benzo(k)fluoranthene	1.245	1.410	0.700	13.3	25.0	
Benzo(a)pyrene	1.078	1.207	0.700	12.0	25.0	
Indeno(1,2,3-cd)pyrene	0.780	0.941	0.500	20.6	25.0	
Dibenzo(a,h)anthracene	0.707	0.905	0.400	28.0	25.0	<-
Benzo(g,h,i)perylene	0.856	1.112	0.500	29.9	25.0	<-
Nitrobenzene-d5	0.367	0.382	0.200	4.1	25.0	
2-Fluorobiphenyl	1.144	1.283	0.700	12.2	25.0	
Terphenyl-d14	0.972	1.006	0.500	3.5	25.0	
Phenol-d5	1.502	1.651	0.800	9.9	25.0	
2-Fluorophenol	1.421	1.401	0.600	-1.4	25.0	
2,4,6-Tribromophenol	0.101	0.110		8.9		
2-Chlorophenol-d4	1.375	1.522	0.800	10.7	25.0	
1,2-Dichlorobenzene-d4	0.904	0.985	0.400	9.0	25.0	

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

FORM VII SV-2 OLM04.2

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Instrument ID: HP73G Calibration Date(s): 05/01/00 05/01/00

Calibration Time(s): 0947 1259

LAB FILE ID: RRF20 = H73GB673 RRF50 = H73GB671
RRF80 = H73GB674 RRF120 = H73GB675 RRF160 = H73GB672

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD	
Benzaldehyde	0.523	0.601	0.544	0.503	0.459	0.526	9.9	
Phenol *	1.719	1.769	1.586	1.504	1.264	1.568	12.8*	
bis(2-Chloroethyl)Ether *	1.764	1.871	1.738	1.496	1.134	1.601	18.4*	
2-Chlorophenol *	1.556	1.446	1.357	1.241	1.051	1.330	14.6*	
2-Methylphenol *	1.459	1.486	1.366	1.300	1.206	1.363	8.4*	
2,2'-oxybis(1-Chloropropane)	1.555	1.360	1.274	1.135	1.015	1.268	16.4	
Acetophenone	2.060	2.004	1.864	1.763	1.579	1.854	10.4	
4-Methylphenol *	1.459	1.470	1.366	1.227	1.051	1.315	13.4*	
N-Nitroso-di-n-propylamine *	1.092	1.016	0.959	0.874	0.796	0.947	12.3*	
Hexachloroethane *	0.916	0.864	0.807	0.744	0.666	0.799	12.3*	
Nitrobenzene *	0.366	0.370	0.336	0.320	0.289	0.336	10.0*	
Isophorone *	0.911	0.846	0.787	0.753	0.749	0.809	8.5*	
2-Nitrophenol *	0.196	0.209	0.194	0.182	0.161	0.188	9.6*	
2,4-Dimethylphenol *	0.358	0.345	0.325	0.309	0.280	0.323	9.4*	
2,4-Dichlorophenol *	0.294	0.285	0.264	0.236	0.208	0.257	13.9*	
Naphthalene *	1.178	1.078	0.985	0.876	0.756	0.975	17.0*	
4-Chloroaniline	0.159	0.151	0.136	0.185	0.300	0.186	35.4	
bis(2-Chloroethoxy)methane *	0.501	0.482	0.438	0.405	0.371	0.439	12.2*	
Hexachlorobutadiene	0.161	0.141	0.129	0.112	0.094	0.127	20.4	
Caprolactam	0.131	0.127	0.115	0.112	0.104	0.118	9.4	
4-Chloro-3-methylphenol *	0.316	0.331	0.299	0.231	0.224	0.280	17.6*	
2-Methylnaphthalene *	0.711	0.690	0.621	0.575	0.588	0.637	9.5*	
Hexachlorocyclopentadiene	0.242	0.259	0.229	0.214	0.194	0.228	11.0	
2,4,6-Trichlorophenol *	0.345	0.347	0.315	0.302	0.267	0.315	10.4*	
2,4,5-Trichlorophenol *		0.393	0.366	0.340	0.299	0.350	11.4*	
1,1'-Biphenyl	1.585	1.447	1.345	1.225	0.993	1.319	17.1	
2-Chloronaphthalene *	1.273	1.171	1.086	0.982	0.827	1.068	16.1*	
2-Nitroaniline		0.305	0.283	0.288	0.270	0.287	5.0	
Dimethylphthalate	1.439	1.366	1.253	1.185	1.056	1.260	11.9	
2,6-Dinitrotoluene *	0.342	0.340	0.311	0.300	0.264	0.311	10.3*	
Acenaphthylene *	2.135	1.936	1.793	1.638	1.364	1.773	16.5*	
3-Nitroaniline		0.019	0.014	0.016	0.089	0.035	106.7	
Acenaphthene *	1.327	1.209	1.116	1.006	0.854	1.102	16.5*	<-
2,4-Dinitrophenol		0.094	0.091	0.105	0.119	0.102	12.5	
4-Nitrophenol		0.099	0.085	0.095	0.097	0.094	6.7	
Dibenzofuran *	1.700	1.571	1.398	1.272	1.073	1.403	17.6*	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

001625

6D

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Instrument ID: HP73G Calibration Date(s): 05/01/00 05/01/00

Calibration Time(s): 0947 1259

LAB FILE ID: RRF20 = H73GB673 RRF50 = H73GB671
RRF80 = H73GB674 RRF120 = H73GB675 RRF160 = H73GB672

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
2,4-Dinitrotoluene *	0.411	0.413	0.377	0.359	0.320	0.376	10.3*
Diethylphthalate	1.492	1.302	1.215	1.090	0.980	1.216	16.2
Fluorene *	1.355	1.249	1.122	1.035	0.878	1.128	16.4*
4-Chlorophenyl-phenylether *	0.575	0.495	0.452	0.404	0.344	0.454	19.4*
4-Nitroaniline		0.194	0.174	0.158	0.135	0.165	15.1
4,6-Dinitro-2-methylphenol		0.141	0.131	0.136	0.129	0.134	3.8
N-Nitrosodiphenylamine (1)	0.592	0.473	0.456	0.383	0.304	0.442	24.2
4-Bromophenyl-phenylether *	0.233	0.210	0.195	0.175	0.144	0.191	17.[illegible]
Hexachlorobenzene *	0.267	0.232	0.219	0.189	0.158	0.213	19.5
Atrazine	0.215	0.163	0.159	0.139	0.133	0.162	20.1
Pentachlorophenol *		0.134	0.121	0.122	0.110	0.122	8.1*
Phenanthrene *	1.324	1.192	1.130	1.005	0.850	1.100	16.5*
Anthracene *	1.289	1.169	1.099	0.978	0.790	1.065	17.9*
Carbazole	0.517	0.241	0.189	0.186	0.208	0.268	52.5
Di-n-butylphthalate	1.915	1.712	1.585	1.401	1.180	1.559	18.1
Fluoranthene *	1.279	1.183	1.078	0.966	0.803	1.062	17.5*
Pyrene *	1.840	1.500	1.505	1.310	1.240	1.479	15.8*
Butylbenzylphthalate	0.996	0.939	0.895	0.823	0.775	0.886	10.0
3,3'-Dichlorobenzidine	0.188	0.162	0.172	0.169	0.137	0.166	11.3
Benzo(a)anthracene *	1.203	1.201	1.094	1.037	0.927	1.092	10.7*
Chrysene *	1.163	1.093	1.053	0.924	0.812	1.009	13.9*
bis(2-Ethylhexyl)phthalate	1.259	1.268	1.152	1.033	0.950	1.132	12.3
Di-n-octylphthalate	2.707	2.799	2.420	2.104	2.027	2.411	14.4
Benzo(b)fluoranthene *	1.502	1.379	1.271	1.101	1.094	1.269	14.0*
Benzo(k)fluoranthene *	1.502	1.379	1.271	1.101	0.971	1.245	17.[illegible]
Benzo(a)pyrene *	1.147	1.176	1.108	1.024	0.937	1.078	9.1
Indeno(1,2,3-cd)pyrene *	0.701	0.781	0.838	0.844	0.736	0.780	8.0*
Dibenzo(a,h)anthracene *	0.646	0.698	0.758	0.748	0.685	0.707	6.6*
Benzo(g,h,i)perylene *	0.815	0.850	0.933	0.906	0.777	0.856	7.5*
Nitrobenzene-d5 *	0.389	0.402	0.365	0.352	0.325	0.367	8.4*
2-Fluorobiphenyl *	1.383	1.237	1.162	1.063	0.876	1.144	16.6*
Terphenyl-d14 *	1.221	0.995	0.990	0.851	0.801	0.972	16.8*
Phenol-d5 *	1.612	1.646	1.530	1.435	1.287	1.502	9.7*
2-Fluorophenol *	1.405	1.503	1.449	1.457	1.290	1.421	5.7*
2,4,6-Tribromophenol	0.115	0.112	0.105	0.094	0.080	0.101	14.2
2-Chlorophenol-d4 *	1.575	1.512	1.403	1.300	1.084	1.375	14.1*
1,2-Dichlorobenzene-d4 *	1.060	0.980	0.920	0.833	0.729	0.904	14.2*

(1) Cannot be separated from Diphenylamine
* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

040626

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Instrument ID: HP73G Calibration Date: 05/04/00 Time: 1434

Lab File ID: H73GB699 Init. Calib. Date(s): 05/01/00 05/01/00

EPA Sample No.(SSTD050##): SSTD050GX Init. Calib. Times: 0947 1259

GC Column: HP-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.526	0.916		74.1	
Phenol	1.568	1.842	0.800	17.5	25.0
bis(2-Chloroethyl)Ether	1.601	1.686	0.700	5.3	25.0
2-Chlorophenol	1.330	1.472	0.800	10.7	25.0
2-Methylphenol	1.363	1.553	0.700	13.9	25.0
2,2'-oxybis(1-Chloropropane)	1.268	1.416		11.7	
Acetophenone	1.854	2.077		12.0	
4-Methylphenol	1.315	1.543	0.600	17.3	25.0
N-Nitroso-di-n-propylamine	0.947	1.077	0.500	13.7	25.0
Hexachloroethane	0.799	0.849	0.300	6.3	25.0
Nitrobenzene	0.336	0.370	0.200	10.1	25.0
Isophorone	0.809	0.845	0.400	4.4	25.0
2-Nitrophenol	0.188	0.215	0.100	14.4	25.0
2,4-Dimethylphenol	0.323	0.321	0.200	-0.6	25.0
2,4-Dichlorophenol	0.257	0.281	0.200	9.3	25.0
Naphthalene	0.975	1.062	0.700	8.9	25.0
4-Chloroaniline	0.186	0.181		-2.7	
bis(2-Chloroethoxy)methane	0.439	0.474	0.300	8.0	25.0
Hexachlorobutadiene	0.127	0.138		8.7	
Caprolactam	0.118	0.130		10.2	
4-Chloro-3-methylphenol	0.280	0.332	0.200	18.6	25.0
2-Methylnaphthalene	0.637	0.667	0.400	4.7	25.0
Hexachlorocyclopentadiene	0.228	0.224		-1.8	
2,4,6-Trichlorophenol	0.315	0.351	0.200	11.4	25.0
2,4,5-Trichlorophenol	0.350	0.404	0.200	15.4	25.0
1,1'-Biphenyl	1.319	1.456		10.4	
2-Chloronaphthalene	1.068	1.180	0.800	10.5	25.0
2-Nitroaniline	0.287	0.302		5.2	
Dimethylphthalate	1.260	1.376		9.2	
2,6-Dinitrotoluene	0.311	0.340	0.200	9.3	25.0
Acenaphthylene	1.773	1.938	1.300	9.3	25.0
3-Nitroaniline	0.035	0.017		-51.4	
Acenaphthene	1.102	1.207	0.900	9.5	25.0
2,4-Dinitrophenol	0.102	0.108		5.9	
4-Nitrophenol	0.094	0.096		2.1	
Dibenzofuran	1.403	1.578	0.800	12.5	25.0

All other compounds must meet a minimum RRF of 0.010.

SAMPLE NO.
CSL55
CSL56
CSL57
CSL58
CSL61
CSL62MS
CSL62MSD
CSL63
CSL64
CSL65
CSL66

FORM VII SV-1 OLM04.2

11667

7D

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Instrument ID: HP73G Calibration Date: 05/04/00 Time: 1434

Lab File ID: H73GB699 Init. Calib. Date(s): 05/01/00 05/01/00

EPA Sample No.(SSTD050##): SSTD050GX Init. Calib. Times: 0947 1259

GC Column: HP-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
2,4-Dinitrotoluene	0.376	0.426	0.200	13.3	25.0
Diethylphthalate	1.216	1.341		10.3	
Fluorene	1.128	1.250	0.900	10.8	25.0
4-Chlorophenyl-phenylether	0.454	0.504	0.400	11.0	25.0
4-Nitroaniline	0.165	0.185		12.1	
4,6-Dinitro-2-methylphenol	0.134	0.147		9.7	
N-Nitrosodiphenylamine(1)	0.442	0.465		5.2	
4-Bromophenyl-phenylether	0.191	0.210	0.100	9.9	25.0
Hexachlorobenzene	0.213	0.228	0.100	7.0	25.0
Atrazine	0.162	0.131		-19.1	
Pentachlorophenol	0.122	0.131	0.050	7.4	25.0
Phenanthrene	1.100	1.193	0.700	8.5	25.0
Anthracene	1.065	1.165	0.700	9.4	25.0
Carbazole	0.268	0.309		15.3	
Di-n-butylphthalate	1.559	1.687		8.2	
Fluoranthene	1.062	1.159	0.600	9.1	25.0
Pyrene	1.479	1.591	0.600	7.6	25.0
Butylbenzylphthalate	0.886	0.940		6.1	
3,3'-Dichlorobenzidine	0.166	0.124		-25.3	
Benzo(a)anthracene	1.092	1.216	0.800	11.4	25.0
Chrysene	1.009	1.123	0.700	11.3	25.0
bis(2-Ethylhexyl)phthalate	1.132	1.229		8.6	
Di-n-octylphthalate	2.411	2.632		9.2	
Benzo(b)fluoranthene	1.269	1.328	0.700	4.6	25.0
Benzo(k)fluoranthene	1.245	1.396	0.700	12.1	25.0
Benzo(a)pyrene	1.078	1.197	0.700	11.0	25.0
Indeno(1,2,3-cd)pyrene	0.780	0.897	0.500	15.0	25.0
Dibenzo(a,h)anthracene	0.707	0.814	0.400	15.1	25.0
Benzo(g,h,i)perylene	0.856	0.959	0.500	12.0	25.0
Nitrobenzene-d5	0.367	0.399	0.200	8.7	25.0
2-Fluorobiphenyl	1.144	1.252	0.700	9.4	25.0
Terphenyl-d14	0.972	1.041	0.500	7.1	25.0
Phenol-d5	1.502	1.732	0.800	15.3	25.0
2-Fluorophenol	1.421	1.571	0.600	10.6	25.0
2,4,6-Tribromophenol	0.101	0.114		12.9	
2-Chlorophenol-d4	1.375	1.537	0.800	11.8	25.0
1,2-Dichlorobenzene-d4	0.904	0.997	0.400	10.3	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

FORM VII SV-2 OLM04.2

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Instrument ID: HP73G Calibration Date: 05/05/00 Time: 0934

Lab File ID: H73GB721 Init. Calib. Date(s): 05/01/00 05/01/00

EPA Sample No.(SSTD050##): SSTD050GY Init. Calib. Times: 0947 1259

GC Column: HP-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Benzaldehyde	0.526	0.992		88.6		
Phenol	1.568	2.075	0.800	32.3	25.0	<-
bis(2-Chloroethyl)Ether	1.601	1.737	0.700	8.5	25.0	
2-Chlorophenol	1.330	1.543	0.800	16.0	25.0	
2-Methylphenol	1.363	1.564	0.700	14.7	25.0	
2,2'-oxybis(1-Chloropropane)	1.268	1.527		20.4		
Acetophenone	1.854	2.026		9.3		
4-Methylphenol	1.315	1.546	0.600	17.6	25.0	
N-Nitroso-di-n-propylamine	0.947	1.048	0.500	10.7	25.0	
Hexachloroethane	0.799	0.843	0.300	5.5	25.0	
Nitrobenzene	0.336	0.391	0.200	16.4	25.0	
Isophorone	0.809	0.823	0.400	1.7	25.0	
2-Nitrophenol	0.188	0.214	0.100	13.8	25.0	
2,4-Dimethylphenol	0.323	0.314	0.200	-2.8	25.0	
2,4-Dichlorophenol	0.257	0.283	0.200	10.1	25.0	
Naphthalene	0.975	1.089	0.700	11.7	25.0	
4-Chloroaniline	0.186	0.197		5.9		
bis(2-Chloroethoxy)methane	0.439	0.495	0.300	12.8	25.0	
Hexachlorobutadiene	0.127	0.134		5.5		
Caprolactam	0.118	0.132		11.9		
4-Chloro-3-methylphenol	0.280	0.332	0.200	18.6	25.0	
2-Methylnaphthalene	0.637	0.723	0.400	13.5	25.0	
Hexachlorocyclopentadiene	0.228	0.199		-12.7		
2,4,6-Trichlorophenol	0.315	0.356	0.200	13.0	25.0	
2,4,5-Trichlorophenol	0.350	0.412	0.200	17.7	25.0	
1,1'-Biphenyl	1.319	1.554		17.8		
2-Chloronaphthalene	1.068	1.233	0.800	15.4	25.0	
2-Nitroaniline	0.287	0.360		25.4		
Dimethylphthalate	1.260	1.337		6.1		
2,6-Dinitrotoluene	0.311	0.338	0.200	8.7	25.0	
Acenaphthylene	1.773	2.022	1.300	14.0	25.0	
3-Nitroaniline	0.035	0.093		165.7		
Acenaphthene	1.102	1.244	0.900	12.9	25.0	
2,4-Dinitrophenol	0.102	0.101		-1.0		
4-Nitrophenol	0.094	0.100		6.4		
Dibenzofuran	1.403	1.618	0.800	15.3	25.0	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE NO.
SBLK95

041677

ORIGINAL (Red)

7D

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Instrument ID: HP73G Calibration Date: 05/05/00 Time: 0934

Lab File ID: H73GB721 Init. Calib. Date(s): 05/01/00 05/01/00

EPA Sample No.(SSTD050##): SSTD050GY Init. Calib. Times: 0947 1259

GC Column: HP-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
2,4-Dinitrotoluene	0.376	0.423	0.200	12.5	25.0	
Diethylphthalate	1.216	1.304		7.2		
Fluorene	1.128	1.292	0.900	14.5	25.0	
4-Chlorophenyl-phenylether	0.454	0.532	0.400	17.2	25.0	
4-Nitroaniline	0.165	0.260		57.6		
4,6-Dinitro-2-methylphenol	0.134	0.135		0.7		
N-Nitrosodiphenylamine(1)	0.442	0.566		28.1		
4-Bromophenyl-phenylether	0.191	0.212	0.100	11.0	25.0	
Hexachlorobenzene	0.213	0.226	0.100	6.1	25.0	
Atrazine	0.162	0.165		1.9		
Pentachlorophenol	0.122	0.127	0.050	4.1	25.0	
Phenanthrene	1.100	1.220	0.700	10.9	25.0	
Anthracene	1.065	1.198	0.700	12.5	25.0	
Carbazole	0.268	0.677		152.6		
Di-n-butylphthalate	1.559	1.648		5.7		
Fluoranthene	1.062	1.148	0.600	8.1	25.0	
Pyrene	1.479	1.559	0.600	5.4	25.0	
Butylbenzylphthalate	0.886	0.888		0.2		
3,3'-Dichlorobenzidine	0.166	0.192		15.7		
Benzo(a)anthracene	1.092	1.194	0.800	9.3	25.0	
Chrysene	1.009	1.101	0.700	9.1	25.0	
bis(2-Ethylhexyl)phthalate	1.132	1.149		1.5		
Di-n-octylphthalate	2.411	2.486		3.1		
Benzo(b)fluoranthene	1.269	1.362	0.700	7.3	25.0	
Benzo(k)fluoranthene	1.245	1.372	0.700	10.2	25.0	
Benzo(a)pyrene	1.078	1.242	0.700	15.2	25.0	
Indeno(1,2,3-cd)pyrene	0.780	1.026	0.500	31.5	25.0	<-
Dibenzo(a,h)anthracene	0.707	0.976	0.400	38.0	25.0	<-
Benzo(g,h,i)perylene	0.856	1.074	0.500	25.5	25.0	<-
Nitrobenzene-d5	0.367	0.416	0.200	13.4	25.0	
2-Fluorobiphenyl	1.144	1.296	0.700	13.3	25.0	
Terphenyl-d14	0.972	1.049	0.500	7.9	25.0	
Phenol-d5	1.502	1.767	0.800	17.6	25.0	
2-Fluorophenol	1.421	1.608	0.600	13.2	25.0	
2,4,6-Tribromophenol	0.101	0.114		12.9		
2-Chlorophenol-d4	1.375	1.569	0.800	14.1	25.0	
1,2-Dichlorobenzene-d4	0.904	0.979	0.400	8.3	25.0	

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

001678

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Instrument ID: HP73G Calibration Date: 05/10/00 Time: 1042

Lab File ID: H73GB741 Init. Calib. Date(s): 05/01/00 05/01/00

EPA Sample No.(SSTD050##): SSTD050GD Init. Calib. Times: 0947 1259

GC Column: HP-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Benzaldehyde	0.526	0.550		4.6		
Phenol	1.568	1.977	0.800	26.1	25.0	<-
bis(2-Chloroethyl)Ether	1.601	1.606	0.700	0.3	25.0	
2-Chlorophenol	1.330	1.508	0.800	13.4	25.0	
2-Methylphenol	1.363	1.592	0.700	16.8	25.0	
2,2'-oxybis(1-Chloropropane)	1.268	1.673		31.9		
Acetophenone	1.854	2.003		8.0		
4-Methylphenol	1.315	1.515	0.600	15.2	25.0	
N-Nitroso-di-n-propylamine	0.947	1.114	0.500	17.6	25.0	
Hexachloroethane	0.799	0.921	0.300	15.3	25.0	
Nitrobenzene	0.336	0.370	0.200	10.1	25.0	
Isophorone	0.809	0.866	0.400	7.0	25.0	
2-Nitrophenol	0.188	0.203	0.100	8.0	25.0	
2,4-Dimethylphenol	0.323	0.357	0.200	10.5	25.0	
2,4-Dichlorophenol	0.257	0.272	0.200	5.8	25.0	
Naphthalene	0.975	1.040	0.700	6.7	25.0	
4-Chloroaniline	0.186	0.130		-30.1		
bis(2-Chloroethoxy)methane	0.439	0.467	0.300	6.4	25.0	
Hexachlorobutadiene	0.127	0.141		11.0		
Caprolactam	0.118	0.135		14.4		
4-Chloro-3-methylphenol	0.280	0.325	0.200	16.1	25.0	
2-Methylnaphthalene	0.637	0.842	0.400	32.2	25.0	<-
Hexachlorocyclopentadiene	0.228	0.236		3.5		
2,4,6-Trichlorophenol	0.315	0.326	0.200	3.5	25.0	
2,4,5-Trichlorophenol	0.350	0.385	0.200	10.0	25.0	
1,1'-Biphenyl	1.319	1.386		5.1		
2-Chloronaphthalene	1.068	1.111	0.800	4.0	25.0	
2-Nitroaniline	0.287	0.334		16.4		
Dimethylphthalate	1.260	1.320		4.8		
2,6-Dinitrotoluene	0.311	0.325	0.200	4.5	25.0	
Acenaphthylene	1.773	1.904	1.300	7.4	25.0	
3-Nitroaniline	0.035	0.101		188.6		
Acenaphthene	1.102	1.182	0.900	7.3	25.0	
2,4-Dinitrophenol	0.102	0.066		-35.3		
4-Nitrophenol	0.094	0.100		6.4		
Dibenzofuran	1.403	1.503	0.800	7.1	25.0	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE NO.
SBLK07
CSL60
CSL62
CSL67
CSL68
CSL69

FORM VII SV-1 OLM04.2

7D

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Instrument ID: HP73G Calibration Date: 05/10/00 Time: 1042

Lab File ID: H73GB741 Init. Calib. Date(s): 05/01/00 05/01/00

EPA Sample No.(SSTD050##): SSTD050GD Init. Calib. Times: 0947 1259

GC Column: HP-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
2,4-Dinitrotoluene	0.376	0.393	0.200	4.5	25.0
Diethylphthalate	1.216	1.267		4.2	
Fluorene	1.128	1.200	0.900	6.4	25.0
4-Chlorophenyl-phenylether	0.454	0.477	0.400	5.1	25.0
4-Nitroaniline	0.165	0.224		35.8	
4,6-Dinitro-2-methylphenol	0.134	0.117		-12.7	
N-Nitrosodiphenylamine(1)	0.442	0.528		19.5	
4-Bromophenyl-phenylether	0.191	0.202	0.100	5.8	25.0
Hexachlorobenzene	0.213	0.223	0.100	4.7	25.0
Atrazine	0.162	0.191		17.9	
Pentachlorophenol	0.122	0.105	0.050	-13.9	25.0
Phenanthrene	1.100	1.163	0.700	5.7	25.0
Anthracene	1.065	1.162	0.700	9.1	25.0
Carbazole	0.268	0.759		183.2	
Di-n-butylphthalate	1.559	1.611		3.3	
Fluoranthene	1.062	1.113	0.600	4.8	25.0
Pyrene	1.479	1.605	0.600	8.5	25.0
Butylbenzylphthalate	0.886	0.910		2.7	
3,3'-Dichlorobenzidine	0.166	0.155		-6.6	
Benzo(a)anthracene	1.092	1.168	0.800	7.0	25.0
Chrysene	1.009	1.073	0.700	6.3	25.0
bis(2-Ethylhexyl)phthalate	1.132	1.188		4.9	
Di-n-octylphthalate	2.411	2.505		3.9	
Benzo(b)fluoranthene	1.269	1.279	0.700	0.8	25.0
Benzo(k)fluoranthene	1.245	1.307	0.700	5.0	25.0
Benzo(a)pyrene	1.078	1.150	0.700	6.7	25.0
Indeno(1,2,3-cd)pyrene	0.780	0.843	0.500	8.1	25.0
Dibenzo(a,h)anthracene	0.707	0.842	0.400	19.1	25.0
Benzo(g,h,i)perylene	0.856	0.929	0.500	8.5	25.0
Nitrobenzene-d5	0.367	0.392	0.200	6.8	25.0
2-Fluorobiphenyl	1.144	1.182	0.700	3.3	25.0
Terphenyl-d14	0.972	1.067	0.500	9.8	25.0
Phenol-d5	1.502	1.687	0.800	12.3	25.0
2-Fluorophenol	1.421	1.483	0.600	4.4	25.0
2,4,6-Tribromophenol	0.101	0.110		8.9	
2-Chlorophenol-d4	1.375	1.508	0.800	9.7	25.0
1,2-Dichlorobenzene-d4	0.904	0.983	0.400	8.7	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

EPA Sample No. (VSTD050##): VSTD050CO Date Analyzed: 04/25/00

Lab File ID (Standard): 0425V3C1 Time Analyzed: 0910

Instrument ID: F5100C Heated Purge: (Y/N) Y

QC Column: RTX-502.2 ID: 0.530(mm)

		IS1(BCM) AREA	#	RT	#	IS2(DFB) AREA	#	RT	#	IS3(CBZ) AREA	#	RT	#
	12 HOUR STD	43913		11.42		203869		12.79		184865		17.27	
	UPPER LIMIT	87826		11.92		407738		13.29		369730		17.77	
	LOWER LIMIT	21956		10.92		101934		12.29		92432		16.77	
	EPA SAMPLE NO.												
01	CSL55	29030		11.40		131055		12.77		118902		17.25	
02	CSL56	28241		11.39		125912		12.77		112788		17.25	
03	CSL57	31173		11.42		145396		12.77		129180		17.25	
04	CSL58	27118		11.40		123944		12.77		114574		17.25	
05	CSL60	24191		11.42		99475	*	12.77		76739	*	17.27	
06	CSL61	26394		11.40		122318		12.79		114015		17.27	
07	CSL62	27560		11.42		132375		12.79		125203		17.29	
08	CSL63	29617		11.44		136449		12.79		126472		17.27	
09	CSL64	28227		11.42		123424		12.79		96891		17.27	
10	CSL65	32033		11.42		149262		12.79		136785		17.27	
11	CSL62MS	28220		11.44		130057		12.80		117583		17.29	
12	CSL62MSD	28998		11.44		132852		12.80		117393		17.27	
13	VBLKCO	35095		11.42		163321		12.79		148995		17.27	

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = + 100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = +0.50 minutes of internal standard RT.
RT LOWER LIMIT = -0.50 minutes of internal standard RT.

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

ORIGINAL (Red)

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

EPA Sample No. (VSTD050##): VSTD050CP Date Analyzed: 04/26/00

Lab File ID (Standard): 0426V3C1 Time Analyzed: 0843

Instrument ID: F5100C Heated Purge: (Y/N) Y

GC Column: RTX-502.2 ID: 0.530(mm)

		IS1(BCM) AREA	#	RT	#	IS2(DFB) AREA	#	RT	#	IS3(CBZ) AREA	#	RT	#
	12 HOUR STD	45695		11.40		208008		12.75		195761		17.25	
	UPPER LIMIT	91390		11.90		416016		13.25		391522		17.75	
	LOWER LIMIT	22848		10.90		104004		12.25		97880		16.75	
	EPA SAMPLE NO.												
01	CSL60RE	25093		11.40		107032		12.77		84117	*	17.27	
02	CSL66	35454		11.42		168222		12.79		145909		17.27	
03	CSL67	29297		11.40		127296		12.77		93951	*	17.27	
04	CSL67RE	25640		11.40		118334		12.77		90157	*	17.25	
05	CSL68	27952		11.40		141892		12.77		114418		17.27	
06	CSL69	26985		11.42		148443		12.77		135448		17.27	
07	VHBLKCP	38077		11.42		168404		12.79		159643		17.25	
08	VBLKCP	42415		11.40		194059		12.77		175751		17.27	

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = + 100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = +0.50 minutes of internal standard RT.
RT LOWER LIMIT = -0.50 minutes of internal standard RT.

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

040018

FORM VIII VOA

OLM04.2

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLK92	52	50	66	48	49	55	52	42	0
02	CSL45	38	40*	44	40	39	36	43	34	1
03	CSL45MS	50	48	56	48	49	51	49	40	0
04	CSL45MSD	48	46	46	44	45	48	47	38	0
05	CSL46	46	44	52	45	43	43	47	34	0
06	CSL47	36	38*	38	35	35	32	39	32	1
07	CSL48	36	34*	40	35	37	31	37	30	1
08	CSL49	42	36*	28*	41	44	41	43	34	2
09	CSL50	62	58	56	61	67	63	61	50	0
10	CSL51	26*	24*	24*	24	25	25	27*	24	4
11	CSL52	20*	20*	24*	19	21	21	23*	18	4
12	CSL53	40	36*	18*	35	37	37	37	32	2
13	CSL54	44	40*	28*	43	45	48	44	34	2
14	CSL70	36	32*	52	35	37	39	36	28	1
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(35-114)	
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)	
S3 (TPH)	= Terphenyl-d14	(33-141)	
S4 (PHL)	= Phenol-d5	(10-110)	
S5 (2FP)	= 2-Fluorophenol	(21-110)	
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7 (2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

040226

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	CSL55	31	31	32	32	30	32	31	24	0
02	CSL56	30	30	30	30	28	30	30	24	0
03	CSL57	35	34	34	35	30	27	32	25	0
04	CSL58	30	30	34	29	28	32	29	23	0
05	CSL61	37	35	37	36	33	33	33	30	0
06	CSL62MS	32	31	32	30	28	33	29	28	0
07	CSL62MSD	36	34	35	33	31	33	32	30	0
08	CSL63	33	32	35	32	28	32	30	25	0
09	CSL64	32	33	33	33	28	33	31	25	0
10	CSL65	29	27*	29	30	27	29	28	19*	2
11	CSL66	36	34	36	33	31	33	32	27	0
12	SBLK95	31	32	34	31	28	30	30	29	0
13	SBLK07	52	49	56	52	52	52	52	47	0
14	CSL60	50	50	55	52	48	58	48	43	0
15	CSL62	44	45	50	47	47	53	43	39	0
16	CSL67	36	41	44	42	39	45	39	31	0
17	CSL68	37	38	41	37	37	40	37	31	0
18	CSL69	35	36	37	35	35	35	35	25	0
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(23-120)	
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)	
S3 (TPH)	= Terphenyl-d14	(18-137)	
S4 (PHL)	= Phenol-d5	(24-113)	
S5 (2FP)	= 2-Fluorophenol	(25-121)	
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)	
S7 (2CP)	= 2-Chlorophenol-d4	(20-130)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(20-130)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

GC Column(1): RTXCLP ID: 0.53(mm) GC Column(2): RTXCLP2 ID: 0.53(mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK21	77	90	90	100			0
02	CSL45	16*	19*	16*	22*			4
03	CSL46	84	95	98	106			0
04	CSL47	88	103	112	116			0
05	CSL48	90	99	110	116			0
06	CSL49	41	52	15*	19*			2
07	CSL50	75	88	28*	38			1
08	CSL51	92	102	44	58			0
09	CSL52	82	94	40	51			0
10	CSL53	74	86	18*	18*			2
11	CSL54	89	94	25*	36			1
12	CSL70	81	92	86	93			0
13	CSL45MS	91	99	118	122			0
14	CSL45MSD	99	106	115	117			0

QC LIMITS

TCX = Tetrachloro-m-xylene (30-150)
DCB = Decachlorobiphenyl (30-150)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

ORIGINAL (Red)

2F

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS - Case No.: 27981 SAS No.: SDG No.: CSL55

GC Column(1): RTXCLP ID: 0.53(mm) GC Column(2): RTXCLP2 ID: 0.53(mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK23	70	71	63	77			0
02	CSL55	56	56	50	66			0
03	CSL56	52	53	48	67			0
04	CSL57	60	62	50	63			0
05	CSL58	63	55	48	58			0
06	CSL60	60	67	55	80			0
07	CSL61	66	68	64	66			0
08	CSL62	40	42	34	51			0
09	CSL63	60	61	52	68			0
10	CSL64	59	60	48	74			0
11	CSL65	39	41	33	46			0
12	CSL66	3*	3*	3*	4*			4
13	CSL67	40	32	26*	40			1
14	CSL68	5*	5*	8*	10*			4
15	CSL69	30	34	46	64			0
16	CSL62MS	64	65	52	70			0
17	CSL62MSD	63	62	50	63			0

QC LIMITS

TCX = Tetrachloro-m-xylene (30-150)
DCB = Decachlorobiphenyl (30-150)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

CSL53

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Lab Sample ID : 00041161 Dates(s) Analyzed: 05/09/00 05/09/00

Instrument ID (1): HP90C1 Instrument ID (2): HP90C2

GC Column(1): RTXCLP ID: 0.53(mm) GC Column(2): RTXCLP2 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Methoxychlor	1	14.17	14.06	14.20	1.35	
	2	16.66	16.57	16.71	0.855	57.9

FORM X PEST-1

041523

OLM04.2

EPA SAMPLE NO.

CSL45MS

ORIGINAL (Red)

PESTICIDE IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Lab Sample ID : 00041153MS Dates(s) Analyzed: 05/09/00 05/09/00

Instrument ID (1): HP90C1 Instrument ID (2): HP90C2

GC Column(1): RTXCLP ID: 0.53(mm) GC Column(2): RTXCLP2 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	8.03	7.98	8.08	0.555	
	2	9.75	9.70	9.80	0.529	4.9
Heptachlor	1	9.00	8.93	9.07	0.569	
	2	10.71	10.65	10.79	0.587	3.2
Aldrin	1	9.60	9.53	9.67	0.566	
	2	11.41	11.34	11.48	0.521	8.6
Dieldrin	1	12.05	11.98	12.12	1.16	
	2	13.92	13.86	14.00	1.16	0.0
Endrin	1	12.49	12.42	12.56	1.35	
	2	14.53	14.47	14.61	1.32	2.3
4,4'-DDT	1	13.18	13.11	13.25	0.877	
	2	15.32	15.25	15.39	1.01	15.2

10A

PESTICIDE IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

CSL45MSD

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Lab Sample ID : 00041153MSD Dates(s) Analyzed: 05/09/00 05/09/00

Instrument ID (1): HP90C1 Instrument ID (2): HP90C2

GC Column(1): RTXCLP ID: 0.53(mm) GC Column(2): RTXCLP2 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	8.03	7.98	8.08	0.570	
	2	9.75	9.70	9.80	0.542	5.2
Heptachlor	1	8.99	8.93	9.07	0.583	
	2	10.71	10.65	10.79	0.594	1.9
Aldrin	1	9.60	9.53	9.67	0.573	
	2	11.41	11.34	11.48	0.544	5.3
Dieldrin	1	12.05	11.98	12.12	1.19	
	2	13.92	13.86	14.00	1.19	0.0
Endrin	1	12.49	12.42	12.56	1.36	
	2	14.53	14.47	14.61	1.32	3.0
4,4'-DDT	1	13.18	13.11	13.25	0.836	
	2	15.32	15.25	15.39	0.983	17.6

ORIGINAL (Red)

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

CSL60

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Lab Sample ID : 00041169 Dates(s) Analyzed: 05/04/00 05/04/00

Instrument ID (1): HP90C1 Instrument ID (2): HP90C2

GC Column(1): RTXCLP ID: 0.53(mm) GC Column(2): RTXCLP2 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	11.56	11.49	11.63	4.78	
	2	13.63	13.56	13.70	3.84	24.5
4,4'-DDT	1	13.24	13.17	13.31	5.10	
	2	15.39	15.31	15.45	4.07	25.3

FORM X PEST-1

041855

OLM04.2

10A

PESTICIDE IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

CSL67

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Lab Sample ID : 00041176 Dates(s) Analyzed: 05/05/00 05/05/00

Instrument ID (1): HP90C1 Instrument ID (2): HP90C2

GC Column(1): RTXCLP ID: 0.53(mm) GC Column(2): RTXCLP2 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDT	1	13.24	13.17	13.31	10.6	
	2	15.38	15.31	15.45	7.58	39.8

10A

PESTICIDE IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

CSL62MS

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Lab Sample ID : 00041171MS Dates(s) Analyzed: 05/04/00 05/04/00

Instrument ID (1): HP90C1 Instrument ID (2): HP90C2

GC Column(1): RTXCLP ID: 0.53(mm) GC Column(2): RTXCLP2 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	8.09	8.04	8.14	10.7	
	2	9.81	9.76	9.86	10.9	1.9
Heptachlor	1	9.06	8.99	9.13	12.2	
	2	10.78	10.71	10.85	11.4	7.0
Aldrin	1	9.66	9.59	9.73	11.4	
	2	11.47	11.40	11.54	10.7	6.5
Dieldrin	1	12.11	12.04	12.18	24.8	
	2	13.99	13.92	14.06	24.0	3.3
Endrin	1	12.55	12.48	12.62	48.2	
	2	14.60	14.53	14.67	32.2	49.7
4,4'-DDT	1	13.24	13.17	13.31	46.5	
	2	15.38	15.31	15.45	27.5	69.1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

CSL62MSD

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Lab Sample ID : 00041171MSD Dates(s) Analyzed: 05/04/00 05/04/00

Instrument ID (1): HP90C1 Instrument ID (2): HP90C2

GC Column(1): RTXCLP ID: 0.53(mm) GC Column(2): RTXCLP2 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	8.08	8.04	8.14	11.2	
	2	9.81	9.76	9.86	11.1	0.9
Heptachlor	1	9.05	8.99	9.13	12.6	
	2	10.77	10.71	10.85	12.5	0.8
Aldrin	1	9.66	9.59	9.73	12.4	
	2	11.47	11.40	11.54	11.5	7.8
Dieldrin	1	12.11	12.04	12.18	24.7	
	2	13.99	13.92	14.06	24.2	2.1
ndrin	1	12.55	12.48	12.62	32.1	
	2	14.60	14.53	14.67	28.2	13.8
4,4'-DDT	1	13.24	13.17	13.31	26.6	
	2	15.38	15.31	15.45	23.8	11.8

FORM X PEST-1 0011858 OLM04.2

ENVIROSYSTEMS, INC
SEMIVOLATILES
EXTRACTION LOG BOOK

ORIGINAL

CLIENT: EPA REGION 3 MATRIX: (SOIL)/WATER/OTHER_____ SOX/(SONC)/SEPF/CONT

CLP CASE#: 27981 DATE REC'D: 04/20/00 DATE EXTRACTED: 04/26/00

EXTRACTION CHEMIST: QJ METHOD: Soil/CLP

SURROGATE SOL'N. #: S-263 SURROGATE CONC. : 100/150 ppm

MATRIX SPIKE SOL'N. : S-196 MATRIX SPIKE CONC.: 100/150 ppm

LAB ID	CLIENT ID	SAMPLE VOL/WT	SPIKE SURR.	VOL MS	GPC Y/N	FINAL VOL.	STORAGE REFRIG#	INIT PH
04265SB1	SB1K94	30g	0.5ml	T	Y	0.5ml	#7	
04265SB2	SB1K95							
00041165	CSL55							
1166	CSL56							
1167	CSL57							
1168	CSL58							
1169	CSL60							
1170	CSL61							
1171	CSL62							
1171MS	CSL62MS			0.5ml				
1171MSD	CSL62MSD							
1172	CSL63			T				
1173	CSL64							
1174	CSL65							
1175	CSL66							
1176	CSL67							

COMMENTS:

ENVIROSYSTEMS, INC
SEMIVOLATILES
EXTRACTION LOG BOOK

ORIGINAL (Red)

CLIENT: EPA REGION 3 MATRIX: SOIL/WATER/OTHER_____ SOX/SONC/SEPF/CONT

CLP CASE#: 27781 DATE REC'D: 04/22/00 DATE EXTRACTED: 04/26/00

EXTRACTION CHEMIST: QJ METHOD: soil/cup

SURROGATE SOL'N. #: S-263 SURROGATE CONC. : 100/100ppm

MATRIX SPIKE SOL'N. :_____ MATRIX SPIKE CONC.:_____

LAB ID	CLIENT ID	SAMPLE VOL/WT	SPIKE SURR.	VOL MS	GPC Y/N	FINAL VOL.	STORAGE REFRIG#	INIT PH
00041177	CSL68	30g	0.5ml	—	Y	0.5ml	#7	
00041178	CSL69	↓	↓	↓	↓	↓	↓	

COMMENTS:

000098

000972

ORIGINAL (Red)

ENVIROSYSTEMS, INC
SEMIVOLATILES
EXTRACTION LOG BOOK

CLIENT: EPA MATRIX: SOIL/WATER/OTHER_____ SOX/SONC/SEPF/CONT

CLP CASE#: 27981 DATE REC'D: 4/22/00 DATE EXTRACTED: 5/5/00

EXTRACTION CHEMIST: QJ METHOD: CLP

SURROGATE SOL'N. #:_____ SURROGATE CONC. :_____

MATRIX SPIKE SOL'N. :_____ MATRIX SPIKE CONC.:_____

LAB ID	CLIENT ID	SAMPLE VOL/WT	SPIKE SURR.	VOL MS	GPC Y/N	FINAL VOL.	STORAGE REFRIG#	INIT PH
05055SB3	SBLK07	30g	0.5ml		Y	0.5ml	#7	
05055SB4	SBLK08							
00041169	CSL60							
00041171	CSL62							
00041176	CSL67							

COMMENTS:

000009
001973

ENVIROSYSTEMS, INC.
SOIL PERCENT MOISTURE DETERMINATION - GRAVIMETRIC

CLIENT: EPA Region 3 CASE: 27981

DATE: 04/26/00 BALANCE ID: Galaxy

ANALYST: MS 5.0 GRAM WEIGTH:

ENVIROSYSTEMS ID	CLIENT ID	WEIGHT CONTAINER	NET WET WEIGHT	DRY WT. + CONTAINER	NET DRY WEIGHT	PERCENT MOISTURE
0004 1165	CSL 55	2.33	14.44	14.66	12.33	14.6%
1166	CSL 56	2.35	16.30	14.77	12.42	23.8%
1167	CSL 57	2.34	18.27	12.59	10.25	44.3%
1168	CSL 58	2.32	18.10	15.74	13.42	25.8%
1169	CSL 60	2.32	12.46	11.73	9.41	24.4%
1170	CSL 61	2.33	9.64	9.61	7.28	24.5%
1171	CSL 62	2.36	11.97	12.13	9.77	18.3%
1172	CSL 63	2.34	10.92	11.27	8.93	18.2%
1173	CSL 64	2.32	18.60	15.17	12.85	30.9%
1174	CSL 65	2.35	12.84	13.17	11.35	11.6%
1175	CSL 66	2.32	11.32	11.62	9.3	17.8%
1176	CSL 67	2.35	13.66	13.45	11.1	18.7%
1177	CSL 68	2.34	15.99	15.36	13.02	18.5%
1178	CSL 69	2.33	10.34	9.63	7.3	29.4%

PERCENT MOISTURE = 100% x (net wet wt. - net dry wt.) / (net wet wt.)

000022

040967

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL60

ORIGINAL

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041169

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041169R

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 24 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

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

0..."056

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL60 ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041169

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041169R

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 24 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	13	U
108-87-2	Methylcyclohexane	13	U
78-87-5	1,2-Dichloropropane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
108-88-3	Toluene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
1330-20-7	Xylene (total)	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3 Dichlorobenzene	13	U
106-46-7	1,4 Dichlorobenzene	13	U
95-50-1	1,2 Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U

040057

ORIGINAL (Red)

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL60

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041169

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041169R

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 24 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

0 0058

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL67RE ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041176

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041176RE

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 19 Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	12	U
	1,2,2-trifluoroethane	12	U
67-64-1	Acetone	20	
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	tert-Butyl Methyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

ORIGINAL (Red)

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL67RE

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041176

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041176RE

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 19 Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

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

041156

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CSL67RE

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041176

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041176RE

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 19 Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

00 0157

ORIGINAL (Red)

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix Spike - EPA Sample No.: CSL45

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.00	0	47.52	95	61-145
Trichloroethene	50.00	0	51.39	103	71-120
Benzene	50.00	0	51.72	103	76-127
Toluene	50.00	0	51.10	102	76-125
Chlorobenzene	50.00	0	51.05	102	75-13[illegible]

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50.00	41.31	83	13	14	61-145
Trichloroethene	50.00	52.20	104	1	14	71-120
Benzene	50.00	52.49	105	2	11	76-127
Toluene	50.00	51.53	103	1	13	76-125
Chlorobenzene	50.00	51.88	104	2	13	75-13[illegible]

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

* Values outside of QC limits

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

COMMENTS: 00041153 CSL45 CASE 27981 SDG CSL45 4/22
F5100B 35(5)/240/10 WB

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL45MS

ORIGINAL Rec'd

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041153

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041153MS

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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	48	
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	10	U
	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	tert-Butyl Methyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	52	
107-06-2	1,2-Dichloroethane	10	U

000207

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL45MS

ORIGINAL

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041153

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041153MS

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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	51	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	51	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	51	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3 Dichlorobenzene	10	U
106-46-7	1,4 Dichlorobenzene	10	U
95-50-1	1,2 Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL45MSD

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041153

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041153MSD

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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	41	
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	10	U
	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	tert-Butyl Methyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	52	
107-06-2	1,2-Dichloroethane	10	U

040216

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL45MSD

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041153

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 041153MSD

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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	52	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	52	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	52	
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

041217

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix Spike - EPA Sample No.: CSL62 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	61.00	0	65.37	107	59-172
Trichloroethene	61.00	0	57.42	94	62-137
Benzene	61.00	0	59.31	97	66-142
Toluene	61.00	0	59.71	98	59-139
Chlorobenzene	61.00	0	58.11	95	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	61.00	61.83	101	6	22	59-172
Trichloroethene	61.00	57.32	94	0	24	62-137
Benzene	61.00	58.77	96	1	21	66-142
Toluene	61.00	60.49	99	1	21	59-139
Chlorobenzene	61.00	60.10	99	4	21	60-133

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

* Values outside of QC limits

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

COMMENTS: 00041171 CSL62 CASE 27981 SDG CSL55 4/22 SG HP
F5100C 35(5)/240/10 WB

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL62MS

ORIGINAL

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041171

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041171MS

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 18 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	65	
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	12	U
	1,2,2-trifluoroethane	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	tert-Butyl Methyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	59	
107-06-2	1,2-Dichloroethane	12	U

0011278

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL62MS

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041171

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041171MS

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 18 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	57	
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	60	
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	12	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	58	
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3 Dichlorobenzene	12	U
106-46-7	1,4 Dichlorobenzene	12	U
95-50-1	1,2 Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL62MSD

ORIGINAL Rec'd

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041171

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041171MSD

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 18 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	62	
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	12	U
	1,2,2-trifluoroethane	12	U
67-64-1	Acetone	18	
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	tert-Butyl Methyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	59	
107-06-2	1,2-Dichloroethane	12	U

0..0287

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL62MSD

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041171

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 041171MSD

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: not dec. 18 Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	57	
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	61	
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	12	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	60	
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3 Dichlorobenzene	12	U
106-46-7	1,4 Dichlorobenzene	12	U
95-50-1	1,2 Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix Spike - EPA Sample No.: CSL45

COMPOUND	SPIKE ADDED (UG/L)	SAMPLE AMOUNT (UG/L)	MS AMOUNT (UG/L)	MS % REC #	QC. LIMITS REC.
Phenol	75	0.0	38	51	12-110
2-Chlorophenol	75	0.0	40	53	27-123
N-Nitroso-di-n-prop.(1)	50	0.0	25	50	41-116
4-Chloro-3-methylphenol	75	0.0	38	51	23- 97
Acenaphthene	50	0.0	28	56	46-118
4-Nitrophenol	75	0.0	39	52	10- 80
2,4-Dinitrotoluene	50	0.0	27	54	24- 96
Pentachlorophenol	75	0.0	44	59	9-103
Pyrene	50	0.0	33	66	26-127

COMPOUND	SPIKE ADDED (UG/L)	MSD AMOUNT (UG/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	75	35	47	8	42	12-110
2-Chlorophenol	75	38	51	4	40	27-123
N-Nitroso-di-n-prop.(1)	50	23	46	8	38	41-116
4-Chloro-3-methylphenol	75	34	45	13	42	23- 97
Acenaphthene	50	26	52	7	31	46-118
4-Nitrophenol	75	31	41	24	50	10- 80
2,4-Dinitrotoluene	50	22	44	20	38	24- 96
Pentachlorophenol	75	39	52	13	50	9-10[illegible]
Pyrene	50	28	56	16	31	26-12[illegible]

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 9 outside limits
Spike Recovery: 0 out of 18 outside limits

COMMENTS: _____

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL45MS

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041153MS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB684

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/02/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	38	
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	40	
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	25	
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
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	38	
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	28	

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL45MS

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041153MS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB684

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/02/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	39	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	27	
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	44	
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	33	
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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL45MSD

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041153MSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB685

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/02/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	35	
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	38	
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	23	
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
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	34	
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	26	

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL45MSD

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041153MSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB685

Level: (low/med) LOW Date Received: 04/21/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/02/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	31	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	22	
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	39	
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	28	
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

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix Spike - EPA Sample No.: CSL62 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE AMOUNT (UG/L)	MS AMOUNT (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	3000	0.0	1000	33	26- 90
2-Chlorophenol	3000	0.0	1000	33	25-102
N-Nitroso-di-n-prop.(1)	2000	0.0	660	33*	41-126
4-Chloro-3-methylphenol	3000	0.0	1100	37	26-103
Acenaphthene	2000	0.0	730	37	31-137
4-Nitrophenol	3000	0.0	1300	43	11-114
2,4-Dinitrotoluene	2000	0.0	670	34	28- 89
Pentachlorophenol	3000	0.0	1300	43	17-109
Pyrene	2000	0.0	770	39	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD AMOUNT (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3000	1200	40	19	35	26- 90
2-Chlorophenol	3000	1100	37	11	50	25-102
N-Nitroso-di-n-prop.(1)	2000	740	37*	11	38	41-126
4-Chloro-3-methylphenol	3000	1200	40	8	33	26-103
Acenaphthene	2000	780	39	5	19	31-137
4-Nitrophenol	3000	1500	50	15	50	11-114
2,4-Dinitrotoluene	2000	740	37	8	47	28- 89
Pentachlorophenol	3000	1400	47	9	47	17-109
Pyrene	2000	860	43	10	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 9 outside limits
Spike Recovery: 2 out of 18 outside limits

COMMENTS: _____

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL62MS

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041171MS

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB708

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 18 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1300	
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	670	
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1300	
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	770	
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

001738

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL62MS

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041171MS

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB708

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 18 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	1000	
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	1000	
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	660	
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	1100	
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	730	

041739

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL62MSD

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041171MSD

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB709

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 18 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	1200	
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	1100	
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	740	
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	1200	
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	780	

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL62MSD

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041171MSD

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB709

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 18 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1500	
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	740	
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine_(1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1400	
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	860	
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

041748

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix Spike - EPA Sample No.: CSL45

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	0.500	0	0.529	106	56-123
Heptachlor	0.500	0	0.569	114	40-131
Aldrin	0.500	0	0.521	104	40-120
Dieldrin	1.000	0	1.16	116	52-126
Endrin	1.000	0	1.32	132 *	56-121
4,4'-DDT	1.000	0	0.877	88	38-1[illegible]

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	0.500	0.542	108	2	15	56-123
Heptachlor	0.500	0.583	117	3	20	40-131
Aldrin	0.500	0.544	109	5	22	40-120
Dieldrin	1.000	1.19	119	3	18	52-126
Endrin	1.000	1.32	132 *	0	21	56-1[illegible]
4,4'-DDT	1.000	0.836	84	5	27	38-[illegible]

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

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 2 out of 12 outside limits

COMMENTS:

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL45MS

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041153MS

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

% Moisture: decanted: (Y/N) Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 04/24/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/09/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 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)	0.53	
76-44-8	Heptachlor	0.57	
309-00-2	Aldrin	0.52	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	1.2	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	1.3	
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	0.88	
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
11100-14-4	Aroclor-1268	1.0	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

ORIGINAL (Red)

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL45MSD

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS - Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 00041153MSD

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

% Moisture: decanted: (Y/N) Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 04/24/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/09/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 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)	0.54	
76-44-8	Heptachlor	0.58	
309-00-2	Aldrin	0.54	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	1.2	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	1.3	
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	0.84	
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
11100-14-4	Aroclor-1268	1.0	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

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL5

ORIGINAL (Red)

Matrix Spike - EPA Sample No.: CSL62

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	20.3	0	10.7	53	46-127
Heptachlor	20.3	0	11.4	56	35-130
Aldrin	20.3	0	10.7	53	34-132
Dieldrin	40.6	0	24.0	59	31-134
Endrin	40.6	0	32.2	79	42-139
4,4'-DDT	40.6	0	27.5	68	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	20.3	11.1	55	3.7	50	46-127
Heptachlor	20.3	12.5	62	9.2	31	35-130
Aldrin	20.3	11.5	57	7.2	43	34-132
Dieldrin	40.6	24.2	60	0.83	38	31-134
Endrin	40.6	28.2	69	13	45	42-139
4,4'-DDT	40.6	23.8	59	14	50	23-134

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

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

COMMENTS:

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL62MS

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041171MS

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 18 decanted: (Y/N) N Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/26/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/04/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	11	
76-44-8	Heptachlor	11	
309-00-2	Aldrin	11	
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	24	
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	32	P
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	28	P
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.0	U
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	40	U
11100-14-4	Aroclor-1268	40	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSL62MSD

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS - Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 00041171MSD

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 18 decanted: (Y/N) N Date Received: 04/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/26/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/04/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	11	
76-44-8	Heptachlor	13	
309-00-2	Aldrin	12	
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	24	
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	28	
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	24	
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.0	U
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	40	U
11100-14-4	Aroclor-1268	40	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKBP

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 0426VHBLKB1

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 0426VHBLKB1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (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-trifluo	10	U
	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	tert-Butyl Methyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

01179

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKBP

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 0426VHBLKB1

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 0426VHBLKB1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (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.

VHBLKBP

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 0426VHBLKB1

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 0426VHBLKB1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (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

0001181

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKBO

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 0425VWBB1

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 0425VWBB1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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-trifluo	10	U
	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	tert-Butyl Methyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKBO

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 0425VWBB1

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 0425VWBB1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (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

000189

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKBO

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 0425VWBB1

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 0425VWBB1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

0[illegible]0190

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKBP

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 0426VWBB1

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 0426VWBB1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (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-trifluo	10	U
	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	tert-Butyl Methyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKBP

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 0426VWBB1

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 0426VWBB1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (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.

VBLKBP

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 0426VWBB1

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 0426VWBB1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (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

040199

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKCP ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 0426VHBLKC1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 0426VHBLKC1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

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

000250

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKCP

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 0426VHBLKC1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 0426VHBLKC1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

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

001251

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLKCP

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 0426VHBLKC1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 0426VHBLKC1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

0211252

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKCO

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 0425VSBC1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 0425VSBC1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

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

040259

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKCO

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 0425VSBC1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 0425VSBC1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKCO

ORIGINAL (2nd)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 0425VSBC1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 0425VSBC1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/25/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

0011261

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKCP

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 0426VSBC1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 0426VSBC1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

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

0011268

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKCP

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 0426VSBC1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 0426VSBC1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

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

0011269

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKCP ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 0426VSBC1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 0426VSBC1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/26/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

041270

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK92

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 0425SWB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB682

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

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/02/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	bis(2-Chloroethoxy)methane	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.

SBLK92 (Red) ORIGINAL

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 0425SWB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB682

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

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/02/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

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

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK92

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 0425SWB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB682

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

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:04/25/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/02/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

Number TICs found: 0

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

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK95

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 0426SSB2

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB722

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

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/05/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK95

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 0426SSB2

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB722

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

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/05/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

001713

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red) SBLK95

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 0426SSB2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: H73GB722

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

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:04/26/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/05/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.18	1100	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK07

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 0505SSB3

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB744

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 05/05/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/10/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
SBLK07

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 0505SSB3

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB744

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 05/05/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/10/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	85	J
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK07

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS, INC. Contract: 68-W9-9023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 0505SSB3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: H73GB744

Level: (low/med) LOW Date Received: 04/22/00

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/05/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/10/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.03	730	J
2.	UNKNOWN	4.23	1700	J
3. 111-76-2	ETHANOL, 2-BUTOXY-	5.18	100	NJ
4. 111-77-3	ETHANOL, 2-(2-METHOXYETHOXY)	5.71	200	NJ
5. 57-10-3	N-HEXADECANOIC ACID	18.88	120	NJ
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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK21

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL45

Matrix: (soil/water) WATER Lab Sample ID: 0424PWB2

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

% Moisture: decanted: (Y/N) Date Received:

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 04/24/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/09/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0 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
11100-14-4	Aroclor-1268	1.0	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.

PBLK23

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68W99023

Lab Code: ENVSYS Case No.: 27981 SAS No.: SDG No.: CSL55

Matrix: (soil/water) SOIL Lab Sample ID: 0426PSB2

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: decanted: (Y/N) Date Received:

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/26/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/05/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 5.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11100-14-4	Aroclor-1268	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U