EPA Region 5 Records Ctr.
356601

LPC 1971100002
ILD 981961634
Will Co.
Celotex
SF/HRS

CERCLA

Analytical Results

ADDENDUM

Illinois Environmental
Protection Agency

DATE: July 21, 2004

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

Attn: Bob Casper

SITE NAME: Celotex Corporated Dump

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
32980	Compuchem	12	E00E1	Soil

==========

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

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

Data Received by:_____ Date:_____

PROBLEMS:

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

_____

_____

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

Signature:_____

JUL 2 3 2004

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

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: _____

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

Received for Review on 7-14-04

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

TO: Data User: IEPA

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

We have reviewed the data for the following case:

SITE NAME: Celotex Corporated Dump (IL)

CASE NUMBER: 32980 SDG NUMBER: E00E1

Number and Type of Samples: 12 (soil)

Sample Numbers: E00E1-2, 8-9, E00F0-1, 6-8, E00G2-4

Laboratory: CompuChem Hrs. for Review: _____

Following are our findings:

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

Case Number : 32980 SDG Number: E00E1
Site Name: Celotex Corporated Dump Laboratory: CompuChem

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

Twelve *(12) soil* samples, numbered *E00E1-2, 8-9, E00F0-1, 6-8, E00G2-4,* were collected on *6/8/04, 6/9/04, 6/14/04, 6/15/04 and 6/16/04.* The lab received the samples on *6/17/04* in good condition. All samples were analyzed for the full list of semivolatile and PCB/PEST analytes. Two (2) samples, E00E1 and E00E2, were also analyzed for the volatile list of organic analytes. All were analyzed according to CLP SOW *OLM04.3*

Assembled By: XuyenNguyen/Alion Science and Tech.
Date: 7/20/2004

Case Number : 32980 SDG Number: E00E1
Site Name: Celotex Corporated Dump Laboratory: CompuChem

1. HOLDING TIME

Qualification: Holding Time **Protocol: VOA**

No defects found.

Qualification: Holding Time **Protocol: BNA**

DC-6 The following semivolatile soil samples are outside primary extraction holding time criteria. Hits are qualified "J" and non-detects are qualified "UJ".

E00E8, E00E9, E00F0, E00F1, E00F7

Qualification: Holding Time **Protocol: PES**

DC-4 The following pesticide soil samples are outside primary extraction holding time criteria. Hits are qualified "J" and non-detects are qualified "UJ".

E00E8, E00E9, E00F0, E00F1

GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No defects found.

3. CALIBRATION

Qualification: Calibrations **Protocol: VOA**

No defects found.

Qualification: Calibrations **Protocol: BNA**

DC-11 The following semivolatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

Hexachlorobutadiene, Hexachlorocyclopentadiene, 2,4-Dinitrophenol, Hexachlorobenzene
E00F6

Pyrene
E00E9, E00F0, E00F1, E00F7, E00F8, E00G2, E00G3, E00G4, SBLKHT

Case Number : 32980 SDG Number: E00E1
Site Name: Celotex Corporated Dump Laboratory: CompuChem

Benzo(k)fluoranthene
E00E1, E00E2, E00E2MS, E00E2MSD, E00E8, SBLKUF

DC-22 The following semivolatile samples are associated with a continuing calibration in which a surrogate/DMC exceeded percent difference (%D) criteria. Use professional judgement to qualify sample data.

E00F6, E00F7, SBLKHT

Qualification: Calibrations **Protocol: PES**

No defects found.

4. **BLANKS**

Qualification: Laboratory Blanks **Protocol: VOA**

DC-13 The following volatile samples have analyte concentrations reported below the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U" and non-detects are not flagged.

Methylene Chloride
E00E1, E00E2, E00E2MS, E00E2MSD

Qualification: Laboratory Blanks **Protocol: BNA**

No defects found.

Qualification: Laboratory Blanks **Protocol: PES**

No defects found.

5. **SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY**

Qualification: SMC **Protocol: VOA**

No defects found.

Qualification: Surrogate **Protocol: BNA**

No defects found

Assembled By: XuyenNguyen/Alion Science and Tech.
Date: 7/20/2004

Case Number : 32980 SDG Number: E00E1
Site Name: Celotex Corporated Dump Laboratory: CompuChem

Qualification: Surrogate **Protocol: PES**

DC-2 The following pesticide samples have surrogate percent recoveries which exceed the upper limit of the criteria window. Hits are qualified "J" and non-detects are not flagged.

E00E9

DC-3 The following undiluted pesticide samples have surrogate percent recoveries of less than 10%. Hits are qualified "J" and non-detects are qualified "R".

E00F7

DC-6 The following pesticide samples are not fully qualified for surrogate RT because of missing RT information. Hits and non-detects are not flagged.

E00F7

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Qualification: Matrix Spikes **Protocol: VOA**

No defects found.

Qualification: Matrix Spikes **Protocol: BNA**

DC-1 The relative percent difference (RPD) between the following semivolatile matrix spike and matrix spike duplicate recoveries is outside criteria. Results for the outlier compounds in the unspiked sample E00E2 are estimated, "J" and non-detects are estimated, "UJ".

E00E2MS, E00E2MSD
Phenol, 4-Chloro-3-methylphenol, Acenaphthene, Pyrene

Qualification: Matrix Spikes **Protocol: PES**

No defects found.

7. FIELD BLANK AND FIELD DUPLICATE

No samples were identified as field blanks or field duplicates. Results are not qualified based upon the results of the field blank or field duplicates.

Assembled By: XuyenNguyen/Alion Science and Tech.
Date: 7/20/2004

Case Number : 32980 SDG Number: E00E1
Site Name: Celotex Corporated Dump Laboratory: CompuChem

8. INTERNAL STANDARDS

No defects found.

9. COMPOUND IDENTIFICATION

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

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

Qualification: Detection Limit **Protocol: VOA**

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

VBLKXD
Methylene Chloride

Qualification: Detection Limit **Protocol: BNA**

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

E00E1
Phenanthrene, Fluoranthene, Pyrene

E00E8
Caprolactam, Phenanthrene, Fluoranthene, Pyrene

E00E9
Chrysene, bis(2-Ethylhexyl)phthalate

E00F6
Pyrene, Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(a)pyrene

E00F7
4-Methylphenol, Phenanthrene, Pyrene, Chrysene

E00F8
2-Methylnaphthalene, Phenanthrene, Pyrene, Chrysene

Assembled By: XuyenNguyen/Alion Science and Tech.
Date: 7/20/2004

Case Number : 32980 SDG Number: E00E1
Site Name: Celotex Corporated Dump Laboratory: CompuChem

E00G2
Atrazine, Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Di-n-octylphthalate, Bezo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene

Qualification: Detection Limit **Protocol: PES**

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

E00E2, E00G3, E00G4
beta-BHC

E00E2MS
Endrin ketone

E00E8
beta-BHC, Endrin ketone

E00E9
gamma-BHC (Lindane), Methoxychlor, Endrin ketone

E00F0
beta-BHC, Methoxychlor, Endrin ketone

E00F1
gamma-BHC (Lindane)

E00F6
beta-BHC, gamma-BHC (Lindane)

E00F7
4,4-DDT, gamma-Chlordane

E00F8
Endosulfan I, Dieldrin, Endrin, 4,4-DDT, Endrin ketone

E00G2
beta-BHC, gamma-BHC (Lindane), gamma-Chlordane

DC-3 The following pesticide samples have analytes for which the percent difference between columm results exceeds primary criteria. Professional judgement should be used to qualify the data

Case Number : 32980 SDG Number: E00E1
Site Name: Celotex Corporated Dump Laboratory: CompuChem

E00E2, E00G3, E00G4
beta-BHC

E00E2MS
Endrin ketone

E00E8
beta-BHC, Endrin ketone

E00E9
Methoxychlor, Endrin ketone

E00F0
beta-BHC, Methoxychlor, Endrin ketone

E00F1
gamma-BHC (Lindane)

E00F6, E00G2
beta-BHC, gamma-BHC (Lindane)

E00F7
beta-BHC, delta-BHC, gamma-BHC (Lindane), Heptachlor epoxide, Endosulfan I, Dieldrin, Endrin, 4,4-DDT, Endrin ketone, Endrin aldehyde, gamma-Chlordane

E00F8
beta-BHC, Endosulfan I, Dieldrin, Endrin, Endosulfan sulfate, 4,4-DDT, Endrin ketone, Endrin aldehyde

11. SYSTEM PERFORMANCE

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

12. ADDITIONAL INFORMATION

Qualification: CADRE Reserved **Protocol: VOA**

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E00E1, E00E2, E00E2MS, E00E2MSD, VBLKXD, VHBLKTL

Assembled By: XuyenNguyen/Alion Science and Tech.
Date: 7/20/2004

Case Number : 32980 SDG Number: E00E1
Site Name: Celotex Corporated Dump Laboratory: CompuChem

Qualification: CADRE Reserved **Protocol: BNA**

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E00E1, E00E2, E00E2MS, E00E2MSD, E00E8, E00E9, E00F0, E00F1, E00F6, E00F7, E00F8, E00G2, E00G3, E00G4, SBLKHT, SBLKUF

Qualification: CADRE Reserved **Protocol: PES**

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E00E1, E00E2, E00E2MS, E00E2MSD, E00E8, E00E9, E00F0, E00F1, E00F6, E00F7,E00F8, E00G2, E00G3, E00G4, PBLKUF

Assembled By: XuyenNguyen/Alion Science and Tech.
Date: 7/20/2004

CADRE Data Qualifier Sheet

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

Analytical Results (Qualified Data)

Case #: 32980 SDG : E00E1
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Number of Soil Samples : 2
Number of Water Samples : 0

Sample Number :	E00E1		E00E2		E00E2MS		E00E2MSD		VBLKXD	
Sampling Location :	X201		X202		X202		X202			
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	6/14/2004		6/14/2004		6/14/2004		6/14/2004			
Time Sampled :	13:45		11:30		11:30		11:30			
%Moisture :	21		18		18		18		N/A	
pH :	7.0		7.0		7.0		7.0			
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	13	U	12	U	12	U	12	U	10	U
CHLOROMETHANE	13	U	12	U	12	U	12	U	10	U
VINYL CHLORIDE	13	U	12	U	12	U	12	U	10	U
BROMOMETHANE	13	U	12	U	12	U	12	U	10	U
CHLOROETHANE	13	U	12	U	12	U	12	U	10	U
TRICHLOROFLUOROMETHANE	13	U	12	U	12	U	12	U	10	U
1,1-DICHLOROETHENE	13	U	12	U	52		52		10	U
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	13	U	12	U	12	U	12	U	10	U
ACETONE	13	U	12	U	12	U	12	U	10	U
CARBON DISULFIDE	13	U	12	U	12	U	12	U	10	U
METHYL ACETATE	13	U	12	U	12	U	12	U	10	U
METHYLENE CHLORIDE	13	UJ	12	UJ	12	UJ	12	UJ	4	J
TRANS-1,2-DICHLOROETHENE	13	U	12	U	12	U	12	U	10	U
METHYL TERT-BUTYL ETHER	13	U	12	U	12	U	12	U	10	U
1,1-DICHLOROETHANE	13	U	12	U	12	U	12	U	10	U
CIS-1,2-DICHLOROETHENE	13	U	12	U	12	U	12	U	10	U
2-BUTANONE	13	U	12	U	12	U	12	U	10	U
CHLOROFORM	13	U	12	U	12	U	12	U	10	U
1,1,1-TRICHLOROETHANE	13	U	12	U	12	U	12	U	10	U
CYCLOHEXANE	13	U	12	U	12	U	12	U	10	U
CARBON TETRACHLORIDE	13	U	12	U	12	U	12	U	10	U
BENZENE	13	U	12	U	60		63		10	U
1,2-DICHLOROETHANE	13	U	12	U	12	U	12	U	10	U
TRICHLOROETHENE	13	U	12	U	58		55		10	U
METHYLCYCLOHEXANE	13	U	12	U	12	U	12	U	10	U
1,2-DICHLOROPROPANE	13	U	12	U	12	U	12	U	10	U
BROMODICHLOROMETHANE	13	U	12	U	12	U	12	U	10	U
CIS-1,3-DICHLOROPROPENE	13	U	12	U	12	U	12	U	10	U
4-METHYL-2-PENTANONE	13	U	12	U	12	U	12	U	10	U
TOLUENE	13	U	12	U	72		69		10	U
TRANS-1,3-DICHLOROPROPENE	13	U	12	U	12	U	12	U	10	U
1,1,2-TRICHLOROETHANE	13	U	12	U	12	U	12	U	10	U
TETRACHLOROETHENE	13	U	12	U	12	U	12	U	10	U

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

Analytical Results (Qualified Data)

Case #: 32980 SDG : E00E1
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	E00E1		E00E2		E00E2MS		E00E2MSD		VBLKXD	
Sampling Location :	X201		X202		X202		X202			
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	6/14/2004		6/14/2004		6/14/2004		6/14/2004			
Time Sampled :	13:45		11:30		11:30		11:30			
%Moisture :	21		18		18		18		N/A	
pH :	7.0		7.0		7.0		7.0			
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	13	U	12	U	12	U	12	U	10	U
DIBROMOCHLOROMETHANE	13	U	12	U	12	U	12	U	10	U
1,2-DIBROMOETHANE	13	U	12	U	12	U	12	U	10	U
CHLOROBENZENE	13	U	12	U	66		66		10	U
ETHYLBENZENE	13	U	12	U	12	U	12	U	10	U
XYLENES (TOTAL)	13	U	12	U	12	U	12	U	10	U
STYRENE	13	U	12	U	12	U	12	U	10	U
BROMOFORM	13	U	12	U	12	U	12	U	10	U
ISOPROPYLBENZENE	13	U	12	U	12	U	12	U	10	U
1,1,2,2-TETRACHLOROETHANE	13	U	12	U	12	U	12	U	10	U
1,3-DICHLOROBENZENE	13	U	12	U	12	U	12	U	10	U
1,4-DICHLOROBENZENE	13	U	12	U	12	U	12	U	10	U
1,2-DICHLOROBENZENE	13	U	12	U	12	U	12	U	10	U
1,2-DIBROMO-3-CHLOROPROPANE	13	U	12	U	12	U	12	U	10	U
1,2,4-TRICHLOROBENZENE	13	U	12	U	12	U	12	U	10	U

Analytical Results (Qualified Data)

Case #: 32980
SDG : E00E1
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	VHBLKTL									
Sampling Location :										
Matrix :	Soil									
Units :	ug/Kg									
Date Sampled :										
Time Sampled :										
%Moisture :	0									
pH :	7.0									
Dilution Factor :	1.0									
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	10	U								
CHLOROMETHANE	10	U								
VINYL CHLORIDE	10	U								
BROMOMETHANE	10	U								
CHLOROETHANE	10	U								
TRICHLOROFLUOROMETHANE	10	U								
1,1-DICHLOROETHENE	10	U								
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	10	U								
ACETONE	10	U								
CARBON DISULFIDE	10	U								
METHYL ACETATE	10	U								
METHYLENE CHLORIDE	10	U								
TRANS-1,2-DICHLOROETHENE	10	U								
METHYL TERT-BUTYL ETHER	10	U								
1,1-DICHLOROETHANE	10	U								
-1,2-DICHLOROETHENE	10	U								
2-BUTANONE	10	U								
CHLOROFORM	10	U								
1,1,1-TRICHLOROETHANE	10	U								
CYCLOHEXANE	10	U								
CARBON TETRACHLORIDE	10	U								
BENZENE	10	U								
1,2-DICHLOROETHANE	10	U								
TRICHLOROETHENE	10	U								
METHYLCYCLOHEXANE	10	U								
1,2-DICHLOROPROPANE	10	U								
BROMODICHLOROMETHANE	10	U								
CIS-1,3-DICHLOROPROPENE	10	U								
4-METHYL-2-PENTANONE	10	U								
TOLUENE	10	U								
TRANS-1,3-DICHLOROPROPENE	10	U								
1,1,2-TRICHLOROETHANE	10	U								
TETRACHLOROETHENE	10	U								

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Analytical Results (Qualified Data)

Case #: 32980
SDG : E00E1
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Number of Soil Samples : 12
Number of Water Samples : 0

Sample Number :	E00E1		E00E2		E00E2MS		E00E2MSD		E00E8	
Sampling Location :	X201		X202		X202		X202		X101A	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	6/14/2004		6/14/2004		6/14/2004		6/14/2004		6/8/2004	
Time Sampled :	13:45		11:30		11:30		11:30		13:30	
%Moisture :	21		27		27		27		18	
pH :	8.6		7.7		7.7		7.7		7.9	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	420	U	450	U	450	U	450	U	400	UJ
PHENOL	420	U	450	UJ	1600		2300		400	UJ
BIS-(2-CHLOROETHYL)ETHER	420	U	450	U	450	U	450	U	400	UJ
2-CHLOROPHENOL	420	U	450	U	1600		2200		400	UJ
2-METHYLPHENOL	420	U	450	U	450	U	450	U	400	UJ
2,2'-OXYBIS(1- CHLOROPROPANE)	420	U	450	U	450	U	450	U	400	UJ
ACETOPHENONE	420	U	450	U	450	U	450	U	400	UJ
4-METHYLPHENOL	420	U	450	U	450	U	450	U	400	UJ
N-NITROSO-DI-N PROPYLAMINE	420	U	450	U	1100		1600		400	UJ
HEXACHLOROETHANE	420	U	450	U	450	U	450	U	400	UJ
NITROBENZENE	420	U	450	U	450	U	450	U	400	UJ
ISOPHORONE	420	U	450	U	450	U	450	U	400	UJ
2-NITROPHENOL	420	U	450	U	450	U	450	U	400	UJ
2,4-DIMETHYLPHENOL	420	U	450	U	450	U	450	U	400	UJ
BIS(2-CHLOROETHOXY)METHANE	420	U	450	U	450	U	450	U	400	UJ
4-DICHLOROPHENOL	420	U	450	U	450	U	450	U	400	UJ
APHTHALENE	420	U	450	U	450	U	450	U	400	UJ
4-CHLOROANILINE	420	U	450	U	450	U	450	U	400	UJ
HEXACHLOROBUTADIENE	420	U	450	U	450	U	450	U	400	UJ
CAPROLACTAM	420	U	450	U	450	U	450	U	180	J
4-CHLORO-3-METHYLPHENOL	420	U	450	UJ	1700		2400		400	UJ
2-METHYLNAPHTHALENE	420	U	450	U	450	U	450	U	400	UJ
HEXACHLOROCYCLO-PENTADIEN	420	U	450	U	450	U	450	U	400	UJ
2,4,6-TRICHLOROPHENOL	420	U	450	U	450	U	450	U	400	UJ
2,4,5-TRICHLOROPHENOL	1100	U	1100	U	1100	U	1100	U	1000	UJ
1,1'-BIPHENYL	420	U	450	U	450	U	450	U	400	UJ
2-CHLORONAPHTHALENE	420	U	450	U	450	U	450	U	400	UJ
2-NITROANILINE	1100	U	1100	U	1100	U	1100	U	1000	UJ
DIMETHYLPHTHALATE	420	U	450	U	450	U	450	U	400	UJ
2,6-DINITROTOLUENE	420	U	450	U	450	U	450	U	400	UJ
ACENAPHTHYLENE	420	U	450	U	450	U	450	U	400	UJ
3-NITROANILINE	1100	U	1100	U	1100	U	1100	U	1000	UJ
ACENAPHTHENE	420	U	450	UJ	1100		1700		400	UJ

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Analytical Results (Qualified Data)

Case #: 32980 SDG : E00E1
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	E00E1		E00E2		E00E2MS		E00E2MSD		E00E8	
Sampling Location :	X201		X202		X202		X202		X101A	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	6/14/2004		6/14/2004		6/14/2004		6/14/2004		6/8/2004	
Time Sampled :	13:45		11:30		11:30		11:30		13:30	
%Moisture :	21		27		27		27		18	
pH :	8.6		7.7		7.7		7.7		7.9	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	1100	U	1100	U	1100	U	1100	U	1000	UJ
4-NITROPHENOL	1100	U	1100	U	1500		2200		1000	UJ
DIBENZOFURAN	420	U	450	U	450	U	450	U	400	UJ
2,4-DINITROTOLUENE	420	U	450	U	1100		1600		400	UJ
DIETHYLPHTHALATE	420	U	450	U	450	U	450	U	400	UJ
FLUORENE	420	U	450	U	450	U	450	U	400	UJ
4-CHLOROPHENYL-PHENYL ETHER	420	U	450	U	450	U	450	U	400	UJ
4-NITROANILINE	1100	U	1100	U	1100	U	1100	U	1000	UJ
4,6-DINITRO-2-METHYLPHENOL	1100	U	1100	U	1100	U	1100	U	1000	UJ
N-NITROSO DIPHENYLAMINE	420	U	450	U	450	U	450	U	400	UJ
4-BROMOPHENYL-PHENYLETHER	420	U	450	U	450	U	450	U	400	UJ
HEXACHLOROBENZENE	420	U	450	U	450	U	450	U	400	UJ
ATRAZINE	420	U	450	U	450	U	450	U	400	UJ
PENTACHLOROPHENOL	1100	U	1100	U	1400		2200		1000	UJ
PHENANTHRENE	110	J	450	U	450	U	450	U	150	J
ANTHRACENE	420	U	450	U	450	U	450	U	400	UJ
CARBAZOLE	420	U	450	U	450	U	450	U	400	UJ
DI-N-BUTYLPHTHALATE	420	U	450	U	450	U	450	U	400	UJ
FLUORANTHENE	120	J	450	U	450	U	450	U	120	J
PYRENE	130	J	450	UJ	1300		1900		130	J
BUTYLBENZYLPHTHALATE	420	U	450	U	450	U	450	U	400	UJ
3,3'-DICHLOROBENZIDINE	420	U	450	U	450	U	450	U	400	UJ
BENZO(A)ANTHRACENE	420	U	450	U	450	U	450	U	400	UJ
CHRYSENE	420	U	450	U	450	U	450	U	400	UJ
BIS(2-ETHYLHEXYL)PHTHALATE	420	U	450	U	450	U	450	U	400	UJ
DI-N-OCTYLPHTHALATE	420	U	450	U	450	U	450	U	400	UJ
BENZO(B)FLUORANTHENE	420	U	450	U	450	U	450	U	400	UJ
BENZO(K)FLUORANTHENE	420	UJ	450	UJ	450	UJ	450	UJ	400	UJ
BENZO(A)PYRENE	420	U	450	U	450	U	450	U	400	UJ
INDENO(1,2,3-CD)-PYRENE	420	U	450	U	450	U	450	U	400	UJ
DIBENZO(A,H)-ANTHRACENE	420	U	450	U	450	U	450	U	400	UJ
BENZO(G,H,I)PERYLENE	420	U	450	U	450	U	450	U	400	UJ

Analytical Results (Qualified Data)

Case #: 32980 SDG : E00E1
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	E00E9		E00F0		E00F1		E00F6		E00F7	
Sampling Location :	X101B		X102A		X102B		X103		X104A	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	6/8/2004		6/8/2004		6/8/2004		6/15/2004		6/9/2004	
Time Sampled :	13:40		16:30		16:35		17:55		09:15	
%Moisture :	12		19		39		28		18	
pH :	7.4		7.5		12.0		7.2		7.7	
Dilution Factor :	1.0		1.0		1.0		1.0		15.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
PHENOL	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
BIS-(2-CHLOROETHYL)ETHER	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
2-CHLOROPHENOL	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
2-METHYLPHENOL	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
2,2'-OXYBIS(1- CHLOROPROPANE)	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
ACETOPHENONE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
4-METHYLPHENOL	380	UJ	410	UJ	540	UJ	460	U	2500	J
N-NITROSO-DI-N PROPYLAMINE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
HEXACHLOROETHANE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
NITROBENZENE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
ISOPHORONE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
2-NITROPHENOL	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
2,4-DIMETHYLPHENOL	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
BIS(2-CHLOROETHOXY)METHANE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
4-DICHLOROPHENOL	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
APHTHALENE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
4-CHLOROANILINE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
HEXACHLOROBUTADIENE	380	UJ	410	UJ	540	UJ	460	UJ	12000	UJ
CAPROLACTAM	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
4-CHLORO-3-METHYLPHENOL	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
2-METHYLNAPHTHALENE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
HEXACHLOROCYCLO-PENTADIEN	380	UJ	410	UJ	540	UJ	460	UJ	12000	UJ
2,4,6-TRICHLOROPHENOL	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
2,4,5-TRICHLOROPHENOL	940	UJ	1000	UJ	1400	UJ	1200	U	30000	UJ
1,1'-BIPHENYL	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
2-CHLORONAPHTHALENE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
2-NITROANILINE	940	UJ	1000	UJ	1400	UJ	1200	U	30000	UJ
DIMETHYLPHTHALATE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
2,6-DINITROTOLUENE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
ACENAPHTHYLENE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
3-NITROANILINE	940	UJ	1000	UJ	1400	UJ	1200	U	30000	UJ
ACENAPHTHENE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ

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Analytical Results (Qualified Data)

Case #: 32980 SDG : E00E1
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	E00E9		E00F0		E00F1		E00F6		E00F7	
Sampling Location :	X101B		X102A		X102B		X103		X104A	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	6/8/2004		6/8/2004		6/8/2004		6/15/2004		6/9/2004	
Time Sampled :	13:40		16:30		16:35		17:55		09:15	
%Moisture :	12		19		39		28		18	
pH :	7.4		7.5		12.0		7.2		7.7	
Dilution Factor :	1.0		1.0		1.0		1.0		15.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	940	UJ	1000	UJ	1400	UJ	1200	UJ	30000	UJ
4-NITROPHENOL	940	UJ	1000	UJ	1400	UJ	1200	U	30000	UJ
DIBENZOFURAN	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
2,4-DINITROTOLUENE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
DIETHYLPHTHALATE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
FLUORENE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
4-CHLOROPHENYL-PHENYL ETHER	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
4-NITROANILINE	940	UJ	1000	UJ	1400	UJ	1200	U	30000	UJ
4,6-DINITRO-2-METHYLPHENOL	940	UJ	1000	UJ	1400	UJ	1200	U	30000	UJ
N-NITROSO DIPHENYLAMINE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
4-BROMOPHENYL-PHENYLETHER	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
HEXACHLOROBENZENE	380	UJ	410	UJ	540	UJ	460	UJ	12000	UJ
ATRAZINE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
PENTACHLOROPHENOL	940	UJ	1000	UJ	1400	UJ	1200	U	30000	UJ
PHENANTHRENE	380	UJ	410	UJ	540	UJ	460	U	4500	J
ANTHRACENE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
CARBAZOLE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
DI-N-BUTYLPHTHALATE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
FLUORANTHENE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
PYRENE	380	UJ	410	UJ	540	UJ	200	J	3300	J
BUTYLBENZYLPHTHALATE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
3,3'-DICHLOROBENZIDINE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
BENZO(A)ANTHRACENE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
CHRYSENE	150	J	410	UJ	540	UJ	110	J	4400	J
BIS(2-ETHYLHEXYL)PHTHALATE	95	J	410	UJ	540	UJ	150	J	12000	UJ
DI-N-OCTYLPHTHALATE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
BENZO(B)FLUORANTHENE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
BENZO(K)FLUORANTHENE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
BENZO(A)PYRENE	380	UJ	410	UJ	540	UJ	98	J	12000	UJ
INDENO(1,2,3-CD)-PYRENE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
DIBENZO(A,H)-ANTHRACENE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ
BENZO(G,H,I)PERYLENE	380	UJ	410	UJ	540	UJ	460	U	12000	UJ

Analytical Results (Qualified Data)

Case #: 32980 SDG : E00E1
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	E00F8		E00G2		E00G3		E00G4		SBLKHT	
Sampling Location :	X104B		X105		X106		X107			
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	6/16/2004		6/16/2004		6/16/2004		6/16/2004			
Time Sampled :	09:25		12:25		13:15		14:00			
%Moisture :	28		25		24		21		N/A	
pH :	7.5		7.5		7.5		7.7			
Dilution Factor :	2.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	920	U	440	U	430	U	420	U	330	U
PHENOL	920	U	440	U	430	U	420	U	330	U
BIS-(2-CHLOROETHYL)ETHER	920	U	440	U	430	U	420	U	330	U
2-CHLOROPHENOL	920	U	440	U	430	U	420	U	330	U
2-METHYLPHENOL	920	U	440	U	430	U	420	U	330	U
2,2'-OXYBIS(1- CHLOROPROPANE)	920	U	440	U	430	U	420	U	330	U
ACETOPHENONE	920	U	440	U	430	U	420	U	330	U
4-METHYLPHENOL	920	U	440	U	430	U	420	U	330	U
N-NITROSO-DI-N PROPYLAMINE	920	U	440	U	430	U	420	U	330	U
HEXACHLOROETHANE	920	U	440	U	430	U	420	U	330	U
NITROBENZENE	920	U	440	U	430	U	420	U	330	U
ISOPHORONE	920	U	440	U	430	U	420	U	330	U
2-NITROPHENOL	920	U	440	U	430	U	420	U	330	U
2,4-DIMETHYLPHENOL	920	U	440	U	430	U	420	U	330	U
BIS(2-CHLOROETHOXY)METHANE	920	U	440	U	430	U	420	U	330	U
4-DICHLOROPHENOL	920	U	440	U	430	U	420	U	330	U
NAPHTHALENE	920	U	440	U	430	U	420	U	330	U
4-CHLOROANILINE	920	U	440	U	430	U	420	U	330	U
HEXACHLOROBUTADIENE	920	U	440	U	430	U	420	U	330	U
CAPROLACTAM	920	U	440	U	430	U	420	U	330	U
4-CHLORO-3-METHYLPHENOL	920	U	440	U	430	U	420	U	330	U
2-METHYLNAPHTHALENE	290	J	440	U	430	U	420	U	330	U
HEXACHLOROCYCLO-PENTADIEN	920	U	440	U	430	U	420	U	330	U
2,4,6-TRICHLOROPHENOL	920	U	440	U	430	U	420	U	330	U
2,4,5-TRICHLOROPHENOL	2300	U	1100	U	1100	U	1100	U	830	U
1,1'-BIPHENYL	920	U	440	U	430	U	420	U	330	U
2-CHLORONAPHTHALENE	920	U	440	U	430	U	420	U	330	U
2-NITROANILINE	2300	U	1100	U	1100	U	1100	U	830	U
DIMETHYLPHTHALATE	920	U	440	U	430	U	420	U	330	U
2,6-DINITROTOLUENE	920	U	440	U	430	U	420	U	330	U
ACENAPHTHYLENE	920	U	440	U	430	U	420	U	330	U
3-NITROANILINE	2300	U	1100	U	1100	U	1100	U	830	U
ACENAPHTHENE	920	U	440	U	430	U	420	U	330	U

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Analytical Results (Qualified Data)

Case #: 32980 SDG : E00E1
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	E00F8		E00G2		E00G3		E00G4		SBLKHT	
Sampling Location :	X104B		X105		X106		X107			
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	6/16/2004		6/16/2004		6/16/2004		6/16/2004			
Time Sampled :	09:25		12:25		13:15		14:00			
%Moisture :	28		25		24		21		N/A	
pH :	7.5		7.5		7.5		7.7			
Dilution Factor :	2.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	2300	U	1100	U	1100	U	1100	U	830	U
4-NITROPHENOL	2300	U	1100	U	1100	U	1100	U	830	U
DIBENZOFURAN	920	U	440	U	430	U	420	U	330	U
2,4-DINITROTOLUENE	920	U	440	U	430	U	420	U	330	U
DIETHYLPHTHALATE	920	U	440	U	430	U	420	U	330	U
FLUORENE	920	U	440	U	430	U	420	U	330	U
4-CHLOROPHENYL-PHENYL ETHER	920	U	440	U	430	U	420	U	330	U
4-NITROANILINE	2300	U	1100	U	1100	U	1100	U	830	U
4,6-DINITRO-2-METHYLPHENOL	2300	U	1100	U	1100	U	1100	U	830	U
N-NITROSO DIPHENYLAMINE	920	U	440	U	430	U	420	U	330	U
4-BROMOPHENYL-PHENYLETHER	920	U	440	U	430	U	420	U	330	U
HEXACHLOROBENZENE	920	U	440	U	430	U	420	U	330	U
ATRAZINE	920	U	140	J	430	U	420	U	330	U
PENTACHLOROPHENOL	2300	U	1100	U	1100	U	1100	U	830	U
PHENANTHRENE	420	J	260	J	430	U	420	U	330	U
ANTHRACENE	920	U	440	U	430	U	420	U	330	U
CARBAZOLE	920	U	440	U	430	U	420	U	330	U
DI-N-BUTYLPHTHALATE	920	U	440	U	430	U	420	U	330	U
FLUORANTHENE	920	U	320	J	430	U	420	U	330	U
PYRENE	360	J	300	J	430	UJ	420	UJ	330	UJ
BUTYLBENZYLPHTHALATE	920	U	440	U	430	U	420	U	330	U
3,3'-DICHLOROBENZIDINE	920	U	440	U	430	U	420	U	330	U
BENZO(A)ANTHRACENE	920	U	160	J	430	U	420	U	330	U
CHRYSENE	230	J	160	J	430	U	420	U	330	U
BIS(2-ETHYLHEXYL)PHTHALATE	920	U	440	U	430	U	420	U	330	U
DI-N-OCTYLPHTHALATE	920	U	200	J	430	U	420	U	330	U
BENZO(B)FLUORANTHENE	920	U	130	J	430	U	420	U	330	U
BENZO(K)FLUORANTHENE	920	U	120	J	430	U	420	U	330	U
BENZO(A)PYRENE	920	U	150	J	430	U	420	U	330	U
INDENO(1,2,3-CD)-PYRENE	920	U	440	U	430	U	420	U	330	U
DIBENZO(A,H)-ANTHRACENE	920	U	440	U	430	U	420	U	330	U
BENZO(G,H,I)PERYLENE	920	U	440	U	430	U	420	U	330	U

Analytical Results (Qualified Data)

Case #: 32980 SDG : E00E1
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	SBLKUF									
Sampling Location :										
Matrix :	Soil									
Units :	ug/Kg									
Date Sampled :										
Time Sampled :										
%Moisture :	N/A									
pH :										
Dilution Factor :	1.0									
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	330	U								
PHENOL	330	U								
BIS-(2-CHLOROETHYL)ETHER	330	U								
2-CHLOROPHENOL	330	U								
2-METHYLPHENOL	330	U								
2,2'-OXYBIS(1- CHLOROPROPANE)	330	U								
ACETOPHENONE	330	U								
4-METHYLPHENOL	330	U								
N-NITROSO-DI-N PROPYLAMINE	330	U								
HEXACHLOROETHANE	330	U								
NITROBENZENE	330	U								
ISOPHORONE	330	U								
2-NITROPHENOL	330	U								
2,4-DIMETHYLPHENOL	330	U								
BIS(2-CHLOROETHOXY)METHANE	330	U								
[illegible]-DICHLOROPHENOL	330	U								
[illegible]APHTHALENE	330	U								
4-CHLOROANILINE	330	U								
HEXACHLOROBUTADIENE	330	U								
CAPROLACTAM	330	U								
4-CHLORO-3-METHYLPHENOL	330	U								
2-METHYLNAPHTHALENE	330	U								
HEXACHLOROCYCLO-PENTADIEN	330	U								
2,4,6-TRICHLOROPHENOL	330	U								
2,4,5-TRICHLOROPHENOL	830	U								
1,1'-BIPHENYL	330	U								
2-CHLORONAPHTHALENE	330	U								
2-NITROANILINE	830	U								
DIMETHYLPHTHALATE	330	U								
2,6-DINITROTOLUENE	330	U								
ACENAPHTHYLENE	330	U								
3-NITROANILINE	830	U								
ACENAPHTHENE	330	U								

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Analytical Results (Qualified Data)

Case #: 32980
Site :
Lab. :
Reviewer :
Date :

SDG : E00E1
CELOTEX CORP DUMP SITE
LIBRTY

Sample Number :	SBLKUF									
Sampling Location :										
Matrix :	Soil									
Units :	ug/Kg									
Date Sampled :										
Time Sampled :										
%Moisture :	N/A									
pH :										
Dilution Factor :	1.0									
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	830	U								
4-NITROPHENOL	830	U								
DIBENZOFURAN	330	U								
2,4-DINITROTOLUENE	330	U								
DIETHYLPHTHALATE	330	U								
FLUORENE	330	U								
4-CHLOROPHENYL-PHENYL ETHER	330	U								
4-NITROANILINE	830	U								
4,6-DINITRO-2-METHYLPHENOL	830	U								
N-NITROSO DIPHENYLAMINE	330	U								
4-BROMOPHENYL-PHENYLETHER	330	U								
HEXACHLOROBENZENE	330	U								
ATRAZINE	330	U								
PENTACHLOROPHENOL	830	U								
PHENANTHRENE	330	U								
ANTHRACENE	330	U								
CARBAZOLE	330	U								
DI-N-BUTYLPHTHALATE	330	U								
FLUORANTHENE	330	U								
PYRENE	330	U								
BUTYLBENZYLPHTHALATE	330	U								
3,3'-DICHLOROBENZIDINE	330	U								
BENZO(A)ANTHRACENE	330	U								
CHRYSENE	330	U								
BIS(2-ETHYLHEXYL)PHTHALATE	330	U								
DI-N-OCTYLPHTHALATE	330	U								
BENZO(B)FLUORANTHENE	330	U								
BENZO(K)FLUORANTHENE	330	UJ								
BENZO(A)PYRENE	330	U								
INDENO(1,2,3-CD)-PYRENE	330	U								
DIBENZO(A,H)-ANTHRACENE	330	U								
BENZO(G,H,I)PERYLENE	330	U								

Analytical Results (Qualified Data)

Case #: 32980
SDG : E00E1
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Number of Soil Samples : 12
Number of Water Samples : 0

Sample Number :	E00E1		E00E2		E00E2MS		E00E2MSD		E00E8	
Sampling Location :	X201		X202		X202		X202		X101A	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	6/14/2004		6/14/2004		6/14/2004		6/14/2004		6/8/2004	
Time Sampled :	13:45		11:30		11:30		11:30		13:30	
%Moisture :	21		27		27		27		18	
pH :	8.6		7.7		7.7		7.7		7.9	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	2.2	U	2.3	U	2.3	U	2.3	U	2.1	UJ
BETA-BHC	2.2	U	1.0	J	2.3		2.3	U	2.0	J
DELTA-BHC	2.2	U	2.3	U	2.3	U	2.3	U	2.1	UJ
GAMMA-BHC (LINDANE)	2.2	U	2.3	U	15		17		2.1	UJ
HEPTACHLOR	2.2	U	2.3	U	14		15		2.1	UJ
ALDRIN	2.2	U	2.3	U	16		17		2.1	UJ
HEPTACHLOR EPOXIDE	2.2	U	2.3	U	2.3	U	2.3	U	2.1	UJ
ENDOSU1FAN I	2.2	U	2.3	U	2.3	U	2.3	U	2.1	UJ
DIELDRIN	4.2	U	4.5	U	33		36		4.0	UJ
4,4'-DDE	4.2	U	4.5	U	4.5	U	4.5	U	4.0	UJ
ENDRIN	4.2	U	4.5	U	37		40		4.0	UJ
ENDOSULFAN II	4.2	U	4.5	U	4.5	U	4.5	U	4.0	UJ
4,4'-DDD	4.2	U	4.5	U	4.5	U	4.5	U	4.0	UJ
ENDOSULFAN SULFATE	4.2	U	4.5	U	4.5	U	4.5	U	4.0	UJ
4,4'-DDT	4.2	U	4.5	U	35		38		4.0	UJ
METHOXYCHLOR	22	U	23	U	23	U	23	U	21	UJ
ENDRIN KETONE	4.2	U	4.5	U	0.99	J	4.5	U	0.92	J
ENDRIN ALDEHYDE	4.2	U	4.5	U	4.5	U	4.5	U	4.0	UJ
ALPHA-CHLORDANE	2.2	U	2.3	U	2.3	U	2.3	U	2.1	UJ
GAMMA-CHLORDANE	2.2	U	2.3	U	2.3	U	2.3	U	2.1	UJ
TOXAPHENE	220	U	230	U	230	U	230	U	210	UJ
AROCLOR-1016	42	U	45	U	45	U	45	U	40	UJ
AROCLOR-1221	85	U	92	U	92	U	92	U	82	UJ
AROCLOR-1232	42	U	45	U	45	U	45	U	40	UJ
AROCLOR-1242	42	U	45	U	45	U	45	U	40	UJ
AROCLOR-1248	42	U	45	U	45	U	45	U	40	UJ
AROCLOR-1254	42	U	45	U	45	U	45	U	40	UJ
AROCLOR-1260	42	U	45	U	45	U	45	U	40	UJ

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Analytical Results (Qualified Data)

Case #: 32980 SDG : E00E1
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	E00E9		E00F0		E00F1		E00F6		E00F7	
Sampling Location :	X101B		X102A		X102B		X103		X104A	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	6/8/2004		6/8/2004		6/8/2004		6/15/2004		6/9/2004	
Time Sampled :	13:40		16:30		16:35		17:55		09:15	
%Moisture :	12		19		39		28		18	
pH :	7.4		7.5		12.0		7.2		7.7	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	1.9	UJ	2.1	UJ	2.8	UJ	2.4	U	2.1	R
BETA-BHC	1.9	UJ	1.1	J	2.8	UJ	2.0	J	18	J
DELTA-BHC	1.9	UJ	2.1	UJ	2.8	UJ	2.4	U	26	J
GAMMA-BHC (LINDANE)	0.39	J	2.1	UJ	0.79	J	0.52	J	13	J
HEPTACHLOR	1.9	UJ	2.1	UJ	2.8	UJ	2.4	U	2.1	R
ALDRIN	1.9	UJ	2.1	UJ	2.8	UJ	2.4	U	2.1	R
HEPTACHLOR EPOXIDE	1.9	UJ	2.1	UJ	2.8	UJ	2.4	U	29	J
ENDOSU1FAN I	1.9	UJ	2.1	UJ	2.8	UJ	2.4	U	16	J
DIELDRIN	3.8	UJ	4.1	UJ	5.4	UJ	4.6	U	4.3	J
4,4'-DDE	3.8	UJ	4.1	UJ	5.4	UJ	4.6	U	4.0	R
ENDRIN	3.8	UJ	4.1	UJ	5.4	UJ	4.6	U	4.8	J
ENDOSULFAN II	3.8	UJ	4.1	UJ	5.4	UJ	4.6	U	4.0	R
4,4'-DDD	3.8	UJ	4.1	UJ	5.4	UJ	4.6	U	4.0	R
ENDOSULFAN SULFATE	3.8	UJ	4.1	UJ	5.4	UJ	4.6	U	4.0	R
4,4'-DDT	3.8	UJ	4.1	UJ	5.4	UJ	4.6	U	2.8	J
METHOXYCHLOR	3.9	J	4.8	J	28	UJ	24	U	21	R
ENDRIN KETONE	0.99	J	0.89	J	5.4	UJ	4.6	U	23	J
ENDRIN ALDEHYDE	3.8	UJ	4.1	UJ	5.4	UJ	4.6	U	8.1	J
ALPHA-CHLORDANE	1.9	UJ	2.1	UJ	2.8	UJ	2.4	U	2.1	R
GAMMA-CHLORDANE	1.9	UJ	2.1	UJ	2.8	UJ	2.4	U	0.62	J
TOXAPHENE	190	UJ	210	UJ	280	UJ	240	U	210	R
AROCLOR-1016	38	UJ	41	UJ	54	UJ	46	U	40	R
AROCLOR-1221	76	UJ	83	UJ	110	UJ	93	U	82	R
AROCLOR-1232	38	UJ	41	UJ	54	UJ	46	U	40	R
AROCLOR-1242	38	UJ	41	UJ	54	UJ	46	U	40	R
AROCLOR-1248	38	UJ	41	UJ	54	UJ	46	U	40	R
AROCLOR-1254	38	UJ	41	UJ	54	UJ	46	U	40	R
AROCLOR-1260	38	UJ	41	UJ	54	UJ	46	U	40	R

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Analytical Results (Qualified Data)

Case #: 32980 SDG : E00E1
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	E00F8		E00G2		E00G3		E00G4		PBLKUF	
Sampling Location :	X104B		X105		X106		X107			
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	6/16/2004		6/16/2004		6/16/2004		6/16/2004			
Time Sampled :	09:25		12:25		13:15		14:00			
%Moisture :	28		25		24		21		N/A	
pH :	7.5		7.5		7.5		7.7			
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	2.4	U	2.3	U	2.2	U	2.2	U	1.7	U
BETA-BHC	3.7		1.6	J	1.1	J	0.70	J	1.7	U
DELTA-BHC	2.4	U	2.3	U	2.2	U	2.2	U	1.7	U
GAMMA-BHC (LINDANE)	2.4	U	1.1	J	2.2	U	2.2	U	1.7	U
HEPTACHLOR	2.4	U	2.3	U	2.2	U	2.2	U	1.7	U
ALDRIN	2.4	U	2.3	U	2.2	U	2.2	U	1.7	U
HEPTACHLOR EPOXIDE	2.4	U	2.3	U	2.2	U	2.2	U	1.7	U
ENDOSU1FAN I	0.54	J	2.3	U	2.2	U	2.2	U	1.7	U
DIELDRIN	3.1	J	4.4	U	4.3	U	4.2	U	3.3	U
4,4'-DDE	4.6	U	4.4	U	4.3	U	4.2	U	3.3	U
ENDRIN	3.5	J	4.4	U	4.3	U	4.2	U	3.3	U
ENDOSULFAN II	4.6	U	4.4	U	4.3	U	4.2	U	3.3	U
4,4'-DDD	4.6	U	4.4	U	4.3	U	4.2	U	3.3	U
ENDOSULFAN SULFATE	6.8		4.4	U	4.3	U	4.2	U	3.3	U
4,4'-DDT	4.2	J	4.4	U	4.3	U	4.2	U	3.3	U
METHOXYCHLOR	24	U	23	U	22	U	22	U	17	U
ENDRIN KETONE	1.9	J	4.4	U	4.3	U	4.2	U	3.3	U
ENDRIN ALDEHYDE	5.8		4.4	U	4.3	U	4.2	U	3.3	U
ALPHA-CHLORDANE	2.4	U	2.3	U	2.2	U	2.2	U	1.7	U
GAMMA-CHLORDANE	2.4	U	0.56	J	2.2	U	2.2	U	1.7	U
TOXAPHENE	240	U	230	U	220	U	220	U	170	U
AROCLOR-1016	46	U	44	U	43	U	42	U	33	U
AROCLOR-1221	93	U	89	U	88	U	85	U	67	U
AROCLOR-1232	46	U	44	U	43	U	42	U	33	U
AROCLOR-1242	46	U	44	U	43	U	42	U	33	U
AROCLOR-1248	46	U	44	U	43	U	42	U	33	U
AROCLOR-1254	46	U	44	U	43	U	42	U	33	U
AROCLOR-1260	46	U	44	U	43	U	42	U	33	U

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Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 7-14-04

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

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: CELOTEX Corporated Dump (IL)

CASE NUMBER: 32980 SDG NUMBER: E00E1

Number and Type of Samples: 12 (Soil)

Sample Numbers: E00E1-2, 8-9, E00F0-1, 6-8, E00G2-4

Laboratory: Compuchem Hrs for Review:

Following are our findings:

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

CompuChem
a division of Liberty Analytical Corp.

ORIGINAL

Sample Delivery Group (SDG)
Cover Sheet

SDG Number E00E1

Laboratory Name CompuChem Laboratory Code LIBRTY

Contract No. 68W03021 Case No. 32980

Analysis Price $415.00 SDG Turnaround 21

EPA Sample Numbers in SDG (Listed in Numerical Order)

1)	E00E1	7)	E00F6	13)		19)	
2)	E00E2	8)	E00F7	14)		20)	
3)	E00E8	9)	E00F8	15)		21)	
4)	E00E9	10)	E00G2	16)		22)	
5)	E00F0	11)	E00G3	17)		23)	
6)	E00F1	12)	E00G4	18)		24)	

E00E1
First Sample in SDG

E00G4
Last Sample in SDG

6/17/2004
First Sample Receipt Date

6/17/2004
Last Sample Receipt Date

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

Signature Date 06/17/04

17

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

Case No: 32980
SAS No: E3
SDG No: E00F2, E00E1

L

Date Shipped:	6/16/2004
Carrier Name:	UPS
Airbill:	1Z6215892210024599
Shipped to:	Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
James M. Salch	6/16/04 14:30	Joan Lundie	6:17:04 910
2			
3			
4			

Sampler Signature: James M. Salch

For Lab Use Only

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

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E00E1	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21), VOA (21)	5-277701 (Ice Only), 5-277703 (Ice Only), 5-277704 (Ice Only) (3)	X201	S: 6/14/2004	13:45	ME00E1	Good
E00E2	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21), VOA (21)	5-277706 (Ice Only), 5-277707 (Ice Only), 5-277708 (Ice Only) (3)	X202	S: 6/14/2004	11:30	ME00E2	
E00E8	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-277748 (Ice Only) (1)	X101A	S: 6/8/2004	13:30	ME00E8	
E00E9	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-277750 (Ice Only) (1)	X101B	S: 6/8/2004	13:40	ME00E9	
E00F0	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-277752 (Ice Only) (1)	X102A	S: 6/8/2004	16:30	ME00F0	
E00F1	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-277754 (Ice Only) (1)	X102B	S: 6/8/2004	16:35	ME00F1	
E00F2	Ground Water/ Jim Salch	L/G	BNA (21), PEST (21), VOA (21)	5-277755 (HCL), 5-277756 (HCL), 5-277757 (Ice Only), 5-277758 (Ice Only) (4)	G101	S: 6/15/2004	13:15	ME00F2	
E00F3	Ground Water/ Jim Salch	L/G	BNA (21), PEST (21), VOA (21)	5-277761 (HCL), 5-277762 (HCL), 5-277763 (Ice Only), 5-277764 (Ice Only) (4)	G102	S: 6/15/2004	13:15	ME00F3	
E00F6	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-277770 (Ice Only) (1)	X103	S: 6/15/2004	17:55	ME00F6	
E00F7	Soil (>12")/ Jim Salch	L/G	BNA/PEST (21)	5-277772 (Ice Only) (1)	X104A	S: 6/9/2004	9:15	ME00F7	

COPY

ORIGINAL DOCUMENTS INCLUDED IN CSF- EWE3

SIGNATURE: Joan Lundie DATE: 7.9.04

Shipment for Case Complete?Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
	E00F9		6.2, 8.7, 8.4, 4.7 6.17.04	82731-82734

Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? ✓	Shipment Iced? ✓

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

TR Number: 5-314975591-061604-0002

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

LABORATORY COPY

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

Case No: 32980
DAS No
SDG No: E00F2, E00E1 E3 6/17/04

L

Date Shipped: 6/16/2004	Chain of Custody Record	Sampler Signature: James M. Salch	For Lab Use Only
Carrier Name: UPS	Relinquished By (Date / Time)	Received By (Date / Time)	Lab Contract No: 68W03021
Airbill: 1Z6215892210024599	1 James M. Salch 6/16/04 14:30	Jim Purdie 6/17/04 910	Unit Price: 415.00
Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100	2		Transfer To:
	3		Lab Contract No:
	4		Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No. PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E00F8	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-277774 (Ice Only) (1)	X104B	S: 6/16/2004	9 25	ME00F8	Good
E00F9	Ground Water/ Jim Salch	L/G	BNA (21), PEST (21), VOA (21)	5-277775 (HCL), 5-277776 (HCL), 5-277777 (HCL), 5-277778 (HCL), 5-277779 (HCL), 5-277780 (HCL), 5-277781 (Ice Only), 5-277782 (Ice Only), 5-277783 (Ice Only), 5-277784 (Ice Only), 5-277785 (Ice Only), 5-277786 (Ice Only) (12)	G103	S: 6/9/2004	11 00	ME00F9	
E00G1	Ground Water/ Jim Salch	L/G	VOA (21)	5-277796 (HCL), 5-277797 (HCL) (2)	TB2	S: 6/16/2004	11 00		SDG trip sample
E00G2	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-277799 (Ice Only) (1)	X105	S: 6/16/2004	12 25	ME00G2	
E00G3	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-277801 (Ice Only) (1)	X106	S: 6/16/2004	13 15	ME00G3	
E00G4	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-277803 (Ice Only) (1)	X107	S 6/16/2004	14 00	ME00G4	SDG trip sample

COPY

ORIGINAL DOCUMENTS INCLUDED IN CSF- E00E3

SIGNATURE Jim Purdie DATE 7.9.04

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC: E00F9	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 6.2, 6.6, 8.2	Chain of Custody Seal Number: 82731 - 82739
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced? ✓

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

TR Number: 5-314975591-061604-0002

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

JUL 1 4 2004

CompuChem

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

SDG NARRATIVE

CASE # 32980
SDG # E00E1
CONTRACT # 68W03021

SAMPLE IDENTIFICATIONS: E00E1, E00E2, E00E8, E00E9, E00F0, E00F1, E00F6, E00F7, E00F8, E00G2, E00G3, E00G4

The twelve (12) soil samples listed above were received intact, properly refrigerated at a temperature of 6 to 7.2°C, with proper documentation, in sealed shipping containers, on June 17, 2004 except for the exceptions noted in the email located in the traffic report section. The samples were scheduled for the requested analyses of the volatile, semivolatile, and pesticide fractions. Sample E00E1 and E00E2 were the only samples requested for analysis for volatiles.

The samples were prepared and analyzed following the current EPA Contract Laboratory Program (CLP) Statement of Work (SOW), Document OLM04.3.

The percent moistures ranged from 12 to 38.

All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices for Case # 32980, SDG # E00E1 are included in the sample data section.

Volatiles

Analysis holding time requirements were met for all of these samples.

None of the samples in this SDG contained any compounds above the Contract Required Quantitation Limit (CRQL. None of the samples contained Tentatively Identified Compounds (TICs).

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

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

All of the system monitoring compounds met recovery criteria in the analyses of these samples. All of the internal standards met response and retention time criteria in the analyses of these samples. The associated method blank met all quality control criteria.

E00E2 was used as the original to prepare the duplicate matrix spikes as requested. The associated duplicate matrix spikes met all of the advisory accuracy and precision criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Susan W Bass

Susan W. Bass
Director of Laboratory Operations
July 10, 2004

ALKANE NARRATIVE REPORT
Report date : 07/10/2004
SDG: E00E1

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

SDG NARRATIVE

CASE # 32980
SDG # E00E1
CONTRACT # 68W03021

SAMPLE IDENTIFICATIONS: E00E1, E00E2, E00E8, E00E9, E00F0, E00F1, E00F6, E00F7, E00F8, E00G2, E00G3, E00G4

The twelve soil samples listed above were scheduled for the requested analysis of the semivolatile fraction. The samples were prepared and analyzed following the current EPA Contract Laboratory Program (CLP) Statement of Work (SOW), Document OLM04.3. The pH values of these soil samples ranged from 7.2 to 12 and the percent moistures ranged from 12 to 39. This portion of the SDG narrative deals with the semivolatile fraction only. For the receiving information associated with these samples, please refer to the volatile SDG narrative.

Holding time requirements were met for the initial extraction of all of these samples. Surrogate recovery criteria were not met in the analysis of the initial extract of E00F7. The sample was reextracted outside of holding time. The analysis of the second extract met all quality control criteria. We have reported only the analysis of the second extract of E00F7.

There were no Target Compound List (TCL) analytes identified above the Contract Required Quantitation Limit in any of these samples. Tentatively Identified Compounds (TICs) were found in all of these samples. The TICs found in these samples could be characterized as alkanes, carboxylic acids, polyaromatic hydrocarbons (PAHs), amides, steroids and unknowns. The TICs that were characterized as alkanes have been summarized on the Alkane Narrative Report that is located in the narrative section of this SDG.

Manual quantitations were performed on one or more of the process files associated with this SDG, including all sample files, except E00F0 and E00F1. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

Due to the viscosity of the extract, E00F7 was reduced to final volume of 1.0 mL, resulting in an effective 2x dilution. Due to the results a screen analysis, E00F7 was analyzed at an additional 15x dilution. The screen Reconstructed Ion Chromatogram (RIC) is included following the sample RIC. Due to the appearance of the sample extract E00F8 was initially analyzed at a 2x dilution.

All decafluorotriphenylphosphine (DFTPP) abundance criteria were met for tunes associated with this SDG. Overall quality control criteria were met for all initial and continuing calibration standards associated to this SDG. All surrogates met recovery criteria in the analyses of these samples. All of the internal standards met response and retention time criteria in the analyses of these samples. The associated method blanks met all quality control criteria. TICs were found in these method blanks. E00E2 was used as the original to prepare the duplicate matrix spikes as requested. The associated duplicate matrix spikes met all accuracy criteria. With four exceptions, the associated matrix spikes met all precision criteria. The Relative Percent Difference (RPD) of phenol, 4-chloro-3-methylphenol, acenaphthene and pyrene were flagged as outliers in the comparison of the duplicate matrix spikes.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Valgena Respass
Supervisor, GCMS Semivolatiles
July 12, 2004

ALKANE NARRATIVE REPORT
Report date : 07/12/2004
SDG: E00E1

ient Sample ID: E00E1 Lab Sample ID: 339601 File ID: 339601A70

Compound	RT	Est. Conc.	Q
Unknown Alkane	24.82	190	J

Client Sample ID: E00E2 Lab Sample ID: 339602 File ID: 339602A70

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	24.82	190	J
Branched Alkane	26.22	210	J

Client Sample ID: E00E8 Lab Sample ID: 339603 File ID: 339603A70

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	12.95	610	J
Straight-Chain Alkane	14.30	450	J
Straight-Chain Alkane	19.50	470	J
Straight-Chain Alkane	20.17	760	J
Branched Alkane	20.62	510	J
Straight-Chain Alkane	20.75	540	J
Straight-Chain Alkane	21.28	590	J
Straight-Chain Alkane	21.46	700	J
Straight-Chain Alkane	21.58	480	J
Straight-Chain Alkane	21.76	490	J
Branched Alkane	21.93	510	J
Branched Alkane	22.21	720	J
Straight-Chain Alkane	22.66	1300	J
Branched Alkane	22.82	620	J
Branched Alkane	23.13	900	J
Unknown Alkane	23.30	740	J
Branched Alkane	23.43	600	J
Straight-Chain Alkane	23.65	480	J
Straight-Chain Alkane	23.85	750	J
Branched Alkane	24.23	660	J

Client Sample ID: E00E9 Lab Sample ID: 339604 File ID: 339604A70

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	18.73	890	J
Branched Alkane	18.81	1500	J
Branched Alkane	19.45	3700	J
Straight-Chain Alkane	19.51	3600	J
Branched Alkane	20.07	2900	J
Straight-Chain Alkane	20.17	6700	J
Unknown Alkane	20.30	4200	J
Straight-Chain Alkane	20.55	4100	J
Unknown Alkane	20.63	9800	J
Straight-Chain Alkane	20.77	4000	J
Branched Alkane	20.95	5100	J
Branched Alkane	21.21	3400	J
Straight-Chain Alkane	21.31	3800	J
Branched Alkane	21.49	6600	J
Unknown Alkane	21.62	4100	J
Straight-Chain Alkane	21.88	5100	J

Straight-Chain Alkane	22.71	8600	J
Branched Alkane	22.97	2500	J
Unknown Alkane	23.20	3800	J
Unknown Alkane	25.06	1900	J

Client Sample ID: E00F0 Lab Sample ID: 339605 File ID: 339605A70

Compound	RT	Est. Conc.	Q
Branched Alkane	11.70	740	J
Cyclic Alkane	12.12	860	J
Unknown Alkane	12.55	2700	J
Branched Alkane	13.18	730	J
Cyclic Alkane	13.58	770	J
Straight-Chain Alkane	15.09	1800	J
Branched Alkane	18.82	830	J
Straight-Chain Alkane	19.45	880	J
Branched Alkane	19.78	780	J
Straight-Chain Alkane	20.17	1100	J
Branched Alkane	20.62	1900	J
Branched Alkane	20.93	720	J
Branched Alkane	21.47	1600	J
Straight-Chain Alkane	21.59	1000	J
Branched Alkane	21.85	1100	J
Unknown Alkane	21.96	830	J
Straight-Chain Alkane	22.67	1800	J
Straight-Chain Alkane	23.17	820	J
Straight-Chain Alkane	23.44	1000	J
Unknown Alkane	25.36	780	J

Client Sample ID: E00F1 Lab Sample ID: 339606 File ID: 339606A70

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	16.74	1200	J
Straight-Chain Alkane	17.29	810	J
Straight-Chain Alkane	17.85	1600	J
Branched Alkane	17.90	1100	J
Straight-Chain Alkane	18.24	310	J
Straight-Chain Alkane	18.75	1300	J
Unknown Alkane	19.06	190	J
Branched Alkane	19.44	960	J
Straight-Chain Alkane	19.50	4100	J
Branched Alkane	19.77	830	J
Unknown Alkane	19.97	400	J
Branched Alkane	20.05	460	J
Straight-Chain Alkane	20.16	3300	J
Straight-Chain Alkane	20.38	510	J
Branched Alkane	20.60	600	J
Straight-Chain Alkane	20.73	2000	J
Straight-Chain Alkane	21.25	1200	J
Branched Alkane	21.73	680	J
Branched Alkane	22.18	510	J
Branched Alkane	22.62	590	J

Client Sample ID: E00F8 Lab Sample ID: 339609 File ID: 339609DA70

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	11.49	700	J
Unknown Alkane	12.53	700	J
Straight-Chain Alkane	12.92	630	J
Straight-Chain Alkane	20.74	600	J

Straight-Chain Alkane	21.27	1000	J
Straight-Chain Alkane	21.45	680	J
Straight-Chain Alkane	21.75	1000	J
Straight-Chain Alkane	22.21	840	J
Straight-Chain Alkane	22.65	1600	J
Straight-Chain Alkane	23.13	1900	J
Straight-Chain Alkane	23.29	1300	J
Unknown Alkane	23.43	520	J
Branched Alkane	23.64	870	J
Straight-Chain Alkane	24.22	1100	J
Branched Alkane	24.87	1300	J
Straight-Chain Alkane	25.54	1200	J
Straight-Chain Alkane	26.28	720	J

Client Sample ID: E00G2 Lab Sample ID: 339610 File ID: 339610A70

Compound	RT	Est. Conc.	Q
Unknown Alkane	22.64	110	J
Straight-Chain Alkane	26.25	270	J

Client Sample ID: E00G3 Lab Sample ID: 339611 File ID: 339611A70

Compound	RT	Est. Conc.	Q
Branched Alkane	24.83	160	J
Straight-Chain Alkane	25.51	93	J
Branched Alkane	26.24	210	J
Straight-Chain Alkane	28.09	110	J

Client Sample ID: E00G4 Lab Sample ID: 339612 File ID: 339612A70

Compound	RT	Est. Conc.	Q
Branched Alkane	24.83	330	J
Straight-Chain Alkane	26.24	420	J
Branched Alkane	28.08	240	J

Client Sample ID: E00F6 Lab Sample ID: 339607 File ID: 339607A70

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	22.64	480	J
Unknown Alkane	24.21	350	J
Straight-Chain Alkane	24.86	370	J
Straight-Chain Alkane	25.54	440	J
Straight-Chain Alkane	26.28	230	J

Client Sample ID: E00F7 Lab Sample ID: 339608 File ID: 339608RD2A70

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	18.21	13000	J
Straight-Chain Alkane	18.72	13000	J
Straight-Chain Alkane	19.48	17000	J
Branched Alkane	20.16	17000	J
Straight-Chain Alkane	20.60	14000	J
Straight-Chain Alkane	20.75	23000	J
Straight-Chain Alkane	21.28	69000	J
Straight-Chain Alkane	21.47	62000	J
Unknown Alkane	21.76	65000	J

Straight-Chain Alkane	22.21	48000	J
Branched Alkane	22.66	83000	J
Branched Alkane	22.83	36000	J
Straight-Chain Alkane	23.15	130000	J
Straight-Chain Alkane	23.31	94000	J
Straight-Chain Alkane	23.67	41000	J
Straight-Chain Alkane	24.24	11000	J
Straight-Chain Alkane	24.88	17000	J
Straight-Chain Alkane	25.77	12000	J
Straight-Chain Alkane	26.29	9300	J
Straight-Chain Alkane	27.12	13000	J

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SDG NARRATIVE
CASE # 32980
SDG # E00E1
CONTRACT # 68W03021

SAMPLE IDENTIFICATIONS:

E00E1	**E00E8**	**E00F0**	**E00F6**	**E00F8**	**E00G3**
E00E2	**E00E9**	**E00F1**	**E00F7**	**E00G2**	**E00G4**

The 12 soil samples listed above were scheduled for the requested analysis of the pesticide fraction. The samples were prepared and analyzed following the current EPA Contract Laboratory Program (CLP) Statement of Work (SOW), Document OLM04.3. The pH values of these soil samples ranged from 7.2 to 12.0 and the percent moistures ranged from 12 to 39. This portion of the SDG narrative deals with the pesticide fraction only. For the receiving information associated with these samples, please refer to the volatile SDG narrative. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for Case # 32980, SDG # E00E1 are included in the sample data sections.

Pesticides

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

There were several pesticide analytes confirmed by dual column analysis above the Contract Required Quantitation Limit (CRQL) in samples E00F7 and E00F8.

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

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

All of the surrogates met recovery and retention time criteria in the analyses of these samples except for samples E00E9 and E00F7. The surrogate DCB was flagged as an outlier on the CLPEST and/or CLPEST2 columns in sample E00E9. The surrogate TCX was flagged as an outlier on the CLPEST and/or CLPEST2 columns in sample E00F7.

The associated method blank met all quality control criteria.

Sample E00E2 was used as the original to prepare the duplicate matrix spikes. The associated duplicate matrix spikes met all accuracy and precision criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Elsie S. Byrd
Senior Scientist I
July 10, 2004

Joan Purdie

From: Brown, Jessica [Jessica.Brown@dyncorp.com]
Sent: Thursday, June 17, 2004 3:28 PM
To: Alice Evans (E-mail); Joan Purdie (E-mail)
Cc: Bob Casper (E-mail); Mark Wagner (E-mail 2); Carlene Thomas (E-mail); Howard Pham (E-mail)
Subject: Region 05 | Case 32980 | Lab LIBRTY | Issue Insufficient/inappropriate designation of laboratory QC | FINAL

Hi Joan,

Per Region 5, the following are the resolutions to issues concerning Case 32980:

Issue 1) We received C#32980 today with 4(waters) and 12(soils) and the TR/COC is marked complete. On 6/15/04 I received 5 waters with sample id E00E4 and sample id E00E6 both listed as Qc sample. I chose id E00E4 for QC as it was sent with extra volume. Sample id E00F9(water) was listed today for Qc and sent with extra volume but I didnot use it because I chose E00E4 on 6/15/04.This sample is Qc for sdg E00E3.
Resolution 1) In accordance with previous direction from Region 5, the laboratory will select one of the designated samples for laboratory QC. The laboratory will note the issue in the SDG Narrative, notify the SMO coordinator of the sample selected for laboratory QC, and proceed with the analysis of the samples.

SMO will report that LIBRTY selected sample E00E4 as lab QC for SDG E00E3 and that samples E00E6 and E00F9 will not be reported for lab QC.

Issue 2) Only 2 of the soils out of the 12 were for full analysis. The SNF listed 14 soils for full and Qc needed. There was not a soil listed for Qc. I chose id E00E2 for Qc for sdg E00E1. Will we get voa's for the 14 samples today that were marked for bna/pest? The sample ids received for full are E00E1,E00E2. The samples for bna/pest are E00E3,5,F0,F1,F6,F7,F8,G2,G3 and G4.
Resolution 2) In accordance with previous direction from Region 5, if the samples requiring laboratory QC are non-EnCoreTM soil samples, the laboratory will select a sample for laboratory QC as long as the sample is not a PE or blank sample. The laboratory will inform the SMO coordinator of the sample selected, note the issue in the SDG Narrative, and proceed with the analysis of the samples. If the laboratory is not sure that the sample they selected is not a PE or blank sample, they will contact SMO and wait for a resolution from the Region.

SMO will report that LIBRTY selected sample E00E2 as lab QC for SDG E00E1.

Please note that the VOAs undershipped due to sample volume limitations at the site; this case is complete.

Thanks,
Jessica

-----Original Message-----
From: Joan Purdie [mailto:jpurdie@compuchemlabs.com]
Sent: Thursday, June 17, 2004 3:30 PM
To: 'Brown, Jessica'
Subject: RE: REGION 5 C#32980|MULTIPLE ISSUES

No, they are 1oz jars.
Joan

-----Original Message-----
From: Brown, Jessica [mailto:Jessica.Brown@dyncorp.com]
Sent: Thursday, June 17, 2004 2:59 PM
To: Joan Purdie
Subject: RE: REGION 5 C#32980|MULTIPLE ISSUES

Hi Joan,

1506

Were the VOAs sent in Encore containers?

Thanks,
Jessica

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

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-----Original Message-----
From: Joan Purdie [mailto:jpurdie@compuchemlabs.com]
Sent: Thursday, June 17, 2004 2:29 PM
To: jessica.brown@dyncorp.com
Cc: aevans@compuchemlabs.com
Subject: REGION 5|C#32980|MULTIPLE ISSUES
Importance: High

Jessica,

We received C#32980 today with 4(waters) and 12(soils) and the TR/COC is marked complete. On 6/15/04 I received 5 waters with sample id E00E4 and sample id E00E6 both listed as Qc sample. I chose id E00E4 for QC as it was sent with extra volume. Sample id E00F9(water) was listed today for Qc and sent with extra volume but I didnot use it because I chose E00E4 on 6/15/04.This sample is Qc for sdg E00E3.

Issue 1:Only 2 of the soils out of the 12 were for full analysis. The SNF listed 16 soils for full and Qc needed. There was not a soil listed for Qc. I chose id E00E2 for Qc for sdg E00E1. Will we get voa's for the 14 samples today that were marked for bna/pest? The sample ids received for full are E00E1,E00E2. The samples for bna/pest are E00E3,F1,F2,F4,F6,F7,F8,G2,G3 and G4.

Thank you.
Joan Purdie
Contract Coordinator
CompuChem/Liberty
919-779-4031
jpurdie@compuchemlabs.com

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1507

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Level: (low/med) LOW

EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
VBLKXD	110	92	96		0
E00E1	125	102	108		0
E00E2	123	95	111		0
E00E2MS	121	97	113		0
E00E2MSD	120	93	113		0
VHBLKTL	118	98	108		0

		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(84-138)
SMC2 (BFB)	= Bromofluorobenzene	(59-113)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

b Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix Spike - EPA Sample No.: E00E2 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	61	0	52	85	59-172
Trichloroethene	61	0	58	95	62-137
Benzene	61	0	60	98	66-142
Toluene	61	0	72	118	59-139
Chlorobenzene	61	0	66	108	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	61	52	85	0	22	59-172
Trichloroethene	61	55	90	5	24	62-137
Benzene	61	63	103	5	21	66-142
Toluene	61	69	113	4	21	59-139
Chlorobenzene	61	66	108	0	21	60-133

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

* Values outside of QC limits

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

COMMENTS: _____

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKXD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Lab File ID: 36721B73 Lab Sample ID: 36721

Date Analyzed: 06/18/04 Time Analyzed: 2205

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

Instrument ID: 5972HP73

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E00E1	339601	339601B73	0320
02	E00E2	339602	339602B73	0346
03	E00E2MS	36748	36748B73	0413
04	E00E2MSD	36749	36749B73	0439
05	VHBLKTL	36315	36315B73	0505
06				
07				
08				
09				
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COMMENTS:

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Lab File ID: BH040618A73 BFB Injection Date: 06/18/04

Instrument ID: 5972HP73 BFB Injection Time: 1026

GC Column: ZB-624 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.6
75	30.0 - 66.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.4 (0.4)1
174	50.0 - 120.0% of mass 95	82.6
175	4.0 - 9.0% of mass 174	6.0 (7.3)1
176	93.0 - 101.0% of mass 174	79.3 (96.0)1
177	5.0 - 9.0% of mass 176	5.5 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010TC	VSTD010TC	CS040618A73	06/18/04	1053
02	VSTD020TC	VSTD020TC	CT040618A73	06/18/04	1120
03	VSTD050TC	VSTD050TC	CU040618A73	06/18/04	1146
04	VSTD100TC	VSTD100TC	CV040618A73	06/18/04	1212
05	VSTD200TC	VSTD200TC	CW040618A73	06/18/04	1238
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Lab File ID: BF040618B73 BFB Injection Date: 06/18/04

Instrument ID: 5972HP73 BFB Injection Time: 2111

GC Column: ZB-624 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	23.6
75	30.0 - 66.0% of mass 95	52.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	81.6
175	4.0 - 9.0% of mass 174	6.1 (7.4)1
176	93.0 - 101.0% of mass 174	79.3 (97.1)1
177	5.0 - 9.0% of mass 176	5.0 (6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050TE	VSTD050TE	GS040618B73	06/18/04	2126
02	VBLKXD	36721	36721B73	06/18/04	2205
03	E00E1	339601	339601B73	06/19/04	0320
04	E00E2	339602	339602B73	06/19/04	0346
05	E00E2MS	36748	36748B73	06/19/04	0413
06	E00E2MSD	36749	36749B73	06/19/04	0439
07	VHBLKTL	36315	36315B73	06/19/04	0505
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E1

Lab Name: COMPUCHEM Contract: 68W03021

Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339601

Sample wt/vol: 5.0(g/mL) G Lab File ID: 339601B73

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. 21 Date Analyzed: 06/19/04

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

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

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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E1

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339601

Sample wt/vol: 5.0(g/mL) G Lab File ID: 339601B73

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. 21 Date Analyzed: 06/19/04

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00E1

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339601

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 339601B73

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. 21 Date Analyzed: 06/19/04

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339602

Sample wt/vol: 5.0(g/mL) G Lab File ID: 339602B73

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. 18 Date Analyzed: 06/19/04

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	2	JB
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl-tert-butyl ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	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.

E00E2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339602

Sample wt/vol: 5.0(g/mL) G Lab File ID: 339602B73

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. 18 Date Analyzed: 06/19/04

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

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

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00E2

Lab Name: COMPUCHEM Contract: 68W03021

Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339602

Sample wt/vol: 5.0(g/mL) G Lab File ID: 339602B73

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. 18 Date Analyzed: 06/19/04

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E2MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 36748

Sample wt/vol: 5.0(g/mL) G Lab File ID: 36748B73

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. 18 Date Analyzed: 06/19/04

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/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	52	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	3	JB
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl-tert-butyl ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	60	
107-06-2	1,2-Dichloroethane	12	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E2MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 36748

Sample wt/vol: 5.0(g/mL) G Lab File ID: 36748B73

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. 18 Date Analyzed: 06/19/04

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	58	
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	72	
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	66	
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.

E00E2MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 36749

Sample wt/vol: 5.0(g/mL) G Lab File ID: 36749B73

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. 18 Date Analyzed: 06/19/04

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/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	52	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	3	JB
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl-tert-butyl ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	63	
107-06-2	1,2-Dichloroethane	12	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E2MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 36749

Sample wt/vol: 5.0(g/mL) G Lab File ID: 36749B73

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. 18 Date Analyzed: 06/19/04

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	55	
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	69	
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	66	
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.

VBLKXD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 36721

Sample wt/vol: 5.0(g/mL) G Lab File ID: 36721B73

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

% Moisture: not dec. _____ Date Analyzed: 06/18/04

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

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

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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKXD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 36721

Sample wt/vol: 5.0(g/mL) G Lab File ID: 36721B73

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

% Moisture: not dec. _____ Date Analyzed: 06/18/04

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/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.

VBLKXD

Lab Name: COMPUCHEM Contract: 68W03021

Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 36721

Sample wt/vol: 5.0(g/mL) G Lab File ID: 36721B73

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

% Moisture: not dec. _____ Date Analyzed: 06/18/04

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

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKTL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 36315

Sample wt/vol: 5.0(g/mL) G Lab File ID: 36315B73

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

% Moisture: not dec. _____ Date Analyzed: 06/19/04

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

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

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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKTL

Lab Name: COMPUCHEM Contract: 68W03021

b Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 36315

Sample wt/vol: 5.0(g/mL) G Lab File ID: 36315B73

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

% Moisture: not dec. _____ Date Analyzed: 06/19/04

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/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.

VHBLKTL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 36315

Sample wt/vol: 5.0(g/mL) G Lab File ID: 36315B73

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

% Moisture: not dec. _____ Date Analyzed: 06/19/04

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

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

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	SBLKUF	52	52	58	52	52	56	52	48	0
02	E00E1	86	86	95	81	78	88	81	76	0
03	E00E2	52	52	61	53	53	56	53	42	0
04	E00E2MS	43	43	52	47	47	47	47	38	0
05	E00E2MSD	65	65	74	65	65	71	65	57	0
06	E00E8	55	60	65	50	43	33	47	50	0
07	E00E9	74	79	89	68	68	68	68	63	0
08	E00F0	57	62	62	55	52	58	55	52	0
09	E00F1	63	59	74	51	32	29	39	44	0
10	E00F8	57	65	61	54	54	51	51	48	0
11	E00G2	77	82	91	70	70	106	73	64	0
12	E00G3	50	55	59	45	42	58	45	43	0
13	E00G4	57	67	71	53	50	66	53	48	0
14	E00F6	65	61	74	63	63	51	57	48	0
15	SBLKHT	59	59	65	56	60	60	60	56	0
16	E00F7	50	50	65	43	43	50	50	45	0
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		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(23-120)	
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)	
S3 (TPH)	= Terphenyl-d14	(18-137)	
S4 (PHL)	= Phenol-d5	(24-113)	
S5 (2FP)	= 2-Fluorophenol	(25-121)	
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)	
S7 (2CP)	= 2-Chlorophenol-d4	(20-130)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(20-130)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix Spike - EPA Sample No.: E00E2 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	3400	0	1600	47	26- 90
2-Chlorophenol	3400	0	1600	47	25-102
N-Nitroso-di-n-prop.(1)	2300	0	1100	48	41-126
4-Chloro-3-methylphenol	3400	0	1700	50	26-103
Acenaphthene	2300	0	1100	48	31-137
4-Nitrophenol	3400	0	1500	44	11-114
2,4-Dinitrotoluene	2300	0	1100	48	28- 89
Pentachlorophenol	3400	0	1400	41	17-109
Pyrene	2300	0	1300	57	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3400	2300	68	37*	35	26- 90
2-Chlorophenol	3400	2200	65	32	50	25-102
N-Nitroso-di-n-prop.(1)	2300	1600	70	37	38	41-126
4-Chloro-3-methylphenol	3400	2400	71	35*	33	26-103
Acenaphthene	2300	1700	74	43*	19	31-137
4-Nitrophenol	3400	2200	65	39	50	11-114
2,4-Dinitrotoluene	2300	1600	70	37	47	28- 89
Pentachlorophenol	3400	2200	65	45	47	17-109
Pyrene	2300	1900	83	37*	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: 4 out of 9 outside limits
Spike Recovery: 0 out of 18 outside limits

COMMENTS:

FORM III SV-2 OLM04.2

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKUF

Lab Name: COMPUCHEM | Contract: 68W03021

Lab Code: LIBRTY | Case No.: 32980 | SAS No.: | SDG No.: E00E1

Lab File ID: 37453A70 | Lab Sample ID: 37453

Instrument ID: 5972HP70 | Date Extracted: 06/23/04

Matrix: (soil/water) SOIL | Date Analyzed: 06/28/04

Level: (low/med) LOW | Time Analyzed: 1555

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E00E1	339601	339601A70	06/28/04
02	E00E2	339602	339602A70	06/28/04
03	E00E2MS	37454	37454A70	06/28/04
04	E00E2MSD	37455	37455A70	06/28/04
05	E00E8	339603	339603A70	06/28/04
06	E00E9	339604	339604A70	06/29/04
07	E00F0	339605	339605A70	06/29/04
08	E00F1	339606	339606A70	06/29/04
09	E00F8	339609	339609DA70	06/29/04
10	E00G2	339610	339610A70	06/29/04
11	E00G3	339611	339611A70	06/29/04
12	E00G4	339612	339612A70	06/29/04
13	E00F6	339607	339607A70	07/01/04
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COMMENTS:

FORM IV SV

OLM04.2

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKHT

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Lab File ID: 36843RA70 Lab Sample ID: 36843

Instrument ID: 5972HP70 Date Extracted: 07/02/04

Matrix: (soil/water) SOIL Date Analyzed: 07/06/04

Level: (low/med) LOW Time Analyzed: 0955

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E00F7	339608	339608RD2A70	07/06/04
02				
03				
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COMMENTS:

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E1

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339601

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339601A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 21 decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/28/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	420	U
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
98-86-2	Acetophenone	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
105-60-2	Caprolactam	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	420	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	420	U
606-20-2	2,6-Dinitrotoluene	420	U
208-96-8	Acenaphthylene	420	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	420	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E1

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339601

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339601A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 21 decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/28/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
86-73-7	Fluorene	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
1912-24-9	Atrazine	420	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	110	J
120-12-7	Anthracene	420	U
86-74-8	Carbazole	420	U
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	120	J
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
117-81-7	bis(2-Ethylhexyl)phthalate	420	U
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00E1

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339601

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339601A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 21 Decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/28/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6 Extraction: (Type) SONC

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.45	280	JB
2. 57-10-3	HEXADECANOIC ACID	19.93	130	NJ
3.	UNKNOWN CARBOXYLIC ACID	24.13	200	J
4.	UNKNOWN AMIDE	24.20	300	J
5.	UNKNOWN CARBOXYLIC ACID	24.25	170	J
6. 28553-12-0	1,2-BENZENEDICARBOXYLIC ACID	24.31	290	NJ
7.	UNKNOWN	24.39	190	J
8.	UNKNOWN	24.47	300	J
9.	UNKNOWN CARBOXYLIC ACID	24.56	240	J
10.	UNKNOWN CARBOXYLIC ACID	24.74	170	J
11.	UNKNOWN CARBOXYLIC ACID	24.91	110	J
12.	UNKNOWN PAH	28.17	90	J
13.	UNKNOWN	28.93	92	J
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FORM I SV-TIC OLM04.2

169A

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339602

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339602A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 27 decanted: (Y/N) Y Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/28/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	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
111-91-1	bis(2-Chloroethoxy)methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	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.

E00E2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339602

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339602A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 27 decanted: (Y/N) Y Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/28/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	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

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00E2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339602

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339602A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 27 Decanted: (Y/N) Y Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/28/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

Number TICs found: 17

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.41	200	JB
2.	57-10-3	HEXADECANOIC ACID	19.93	310	NJ
3.	2091-29-4	9-HEXADECENOIC ACID	21.01	400	NJ
4.		UNKNOWN	21.04	110	J
5.	57-11-4	OCTADECANOIC ACID	21.09	170	NJ
6.		UNKNOWN	21.95	420	J
7.		UNKNOWN AMIDE	24.20	180	J
8.	502-62-5	.PSI.,.PSI.-CAROTENE, 7,7',8	24.46	140	NJ
9.	57-88-5	CHOLESTEROL	26.92	610	NJ
10.	17472-78-5	ERGOSTA-5,22-DIEN-3-OL, (3.B	27.35	100	NJ
11.	4651-51-8	ERGOST-5-EN-3-OL, (3.BETA.)-	27.94	110	NJ
12.		UNKNOWN	28.18	280	J
13.		UNKNOWN	28.46	110	J
14.	83-47-6	.GAMMA.-SITOSTEROL	28.93	260	NJ
15.		UNKNOWN	29.06	110	J
16.	1058-61-3	STIGMAST-4-EN-3-ONE	30.76	99	NJ
17.		UNKNOWN	31.30	150	J
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E2MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 37454

Sample wt/vol: 30.0(g/mL) G Lab File ID: 37454A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 27 decanted: (Y/N) Y Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/28/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	450	U
108-95-2	Phenol	1600	
111-44-4	bis(2-Chloroethyl)ether	450	U
95-57-8	2-Chlorophenol	1600	
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	1100	
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
111-91-1	bis(2-Chloroethoxy)methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
105-60-2	Caprolactam	450	U
59-50-7	4-Chloro-3-methylphenol	1700	
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	1100	

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E2MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 37454

Sample wt/vol: 30.0(g/mL) G Lab File ID: 37454A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 27 decanted: (Y/N) Y Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/28/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1500	
132-64-9	Dibenzofuran	450	U
121-14-2	2,4-Dinitrotoluene	1100	
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	1400	
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	1300	
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

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E2MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 37455

Sample wt/vol: 30.0(g/mL) G Lab File ID: 37455A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 27 decanted: (Y/N) Y Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/28/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	450	U
108-95-2	Phenol	2300	
111-44-4	bis(2-Chloroethyl)ether	450	U
95-57-8	2-Chlorophenol	2200	
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	1600	
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
111-91-1	bis(2-Chloroethoxy)methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
105-60-2	Caprolactam	450	U
59-50-7	4-Chloro-3-methylphenol	2400	
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	1700	

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E2MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 37455

Sample wt/vol: 30.0(g/mL) G Lab File ID: 37455A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 27 decanted: (Y/N) Y Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/28/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	2200	
132-64-9	Dibenzofuran	450	U
121-14-2	2,4-Dinitrotoluene	1600	
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	2200	
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	1900	
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

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E8

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339603

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339603A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 18 decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/28/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	180	J
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.

E00E8

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339603

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339603A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 18 decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/28/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 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	150	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	120	J
129-00-0	Pyrene	130	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	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

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00E8

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339603

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339603A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/28/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICs found: 11

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 57-10-3	HEXADECANOIC ACID	19.95	370	NJ
2.	UNKNOWN	20.65	250	J
3.	UNKNOWN	20.97	850	J
4.	UNKNOWN CARBOXYLIC ACID	21.11	440	J
5.	UNKNOWN	22.24	420	J
6.	UNKNOWN	22.32	460	J
7.	UNKNOWN	22.37	420	J
8.	UNKNOWN	22.41	390	J
9.	UNKNOWN	22.49	480	J
10.	UNKNOWN	22.95	840	J
11.	UNKNOWN	27.32	450	J
12.				
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E9

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339604

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339604A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 12 decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/29/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	380	U
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
98-86-2	Acetophenone	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E9

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339604

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339604A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 12 decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/29/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	380	U
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
98-86-2	Acetophenone	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	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

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00E9

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339604

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339604A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/29/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

Number TICs found: 22

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	19.78	4200	J
2. 16587-34-1	NAPHTHO[2,3-B]THIOPHENE, 4,9	20.44	4400	NJ
3.	UNKNOWN	20.66	4300	J
4.	UNKNOWN	20.86	3200	J
5.	UNKNOWN	20.99	4000	J
6.	UNKNOWN	21.11	2600	J
7.	UNKNOWN	21.41	3600	J
8. 66563-30-2	BACCHOTRICUNEATIN C	21.98	3700	NJ
9.	UNKNOWN	22.28	2700	J
10.	UNKNOWN	22.53	3000	J
11. 35599-77-0	TRIDECANE, 1-IODO-	22.86	2800	NJ
12.	UNKNOWN	23.34	4200	J
13. 111-01-3	SQUALANE	23.49	5500	NJ
14.	UNKNOWN	23.96	2400	J
15.	UNKNOWN	24.79	1300	J
16.	UNKNOWN	25.40	1600	J
17.	UNKNOWN	25.70	610	J
18.	UNKNOWN	25.81	930	J
19.	UNKNOWN	26.48	750	J
20. 53584-60-4	28-NOR-17.ALPHA.(H)-HOPANE	26.67	1100	NJ
21.	UNKNOWN	27.40	1100	J
22.	UNKNOWN	28.37	730	J
23.				
24.				
25.				
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27.				
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1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E9

Lab Name: COMPUCHEM Contract: 68W03021

b Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339604

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339604A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 12 decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/29/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 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	150	J
117-81-7	bis(2-Ethylhexyl)phthalate	95	J
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

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339605

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339605A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 19 decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/29/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	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
111-91-1	bis(2-Chloroethoxy)methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	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	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.

E00F0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339605

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339605A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 19 decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/29/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	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	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-nitrosodiphenylamine (1)	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	1000	U
85-01-8	Phenanthrene	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

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00F0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339605

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339605A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/29/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	11.30	650	J
2.	UNKNOWN	12.45	560	J
3.	UNKNOWN	12.82	720	J
4.	UNKNOWN	13.29	670	J
5. 112-88-9	1-OCTADECENE	14.22	640	NJ
6.	UNKNOWN	14.29	430	J
7.	UNKNOWN	14.40	330	J
8.	UNKNOWN	14.75	420	J
9.	UNKNOWN	14.79	280	J
10.	UNKNOWN	14.92	330	J
11.	UNKNOWN	20.39	700	J
12.	UNKNOWN	20.97	910	J
13.	UNKNOWN	21.63	730	J
14.	UNKNOWN	22.26	820	J
15.	UNKNOWN	22.42	710	J
16.	UNKNOWN	22.49	910	J
17.	UNKNOWN	22.96	880	J
18.	UNKNOWN	24.05	800	J
19.	UNKNOWN	26.09	1400	J
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21.				
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F1

Lab Name: COMPUCHEM Contract: 68W03021

I Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339606

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339606A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 39 decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/29/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 12.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	540	U
108-95-2	Phenol	540	U
111-44-4	bis(2-Chloroethyl)ether	540	U
95-57-8	2-Chlorophenol	540	U
95-48-7	2-Methylphenol	540	U
108-60-1	2,2'-oxybis(1-Chloropropane)	540	U
98-86-2	Acetophenone	540	U
106-44-5	4-Methylphenol	540	U
621-64-7	N-Nitroso-di-n-propylamine	540	U
67-72-1	Hexachloroethane	540	U
98-95-3	Nitrobenzene	540	U
78-59-1	Isophorone	540	U
88-75-5	2-Nitrophenol	540	U
105-67-9	2,4-Dimethylphenol	540	U
111-91-1	bis(2-Chloroethoxy)methane	540	U
120-83-2	2,4-Dichlorophenol	540	U
91-20-3	Naphthalene	540	U
106-47-8	4-Chloroaniline	540	U
87-68-3	Hexachlorobutadiene	540	U
105-60-2	Caprolactam	540	U
59-50-7	4-Chloro-3-methylphenol	540	U
91-57-6	2-Methylnaphthalene	540	U
77-47-4	Hexachlorocyclopentadiene	540	U
88-06-2	2,4,6-Trichlorophenol	540	U
95-95-4	2,4,5-Trichlorophenol	1400	U
92-52-4	1,1'-Biphenyl	540	U
91-58-7	2-Chloronaphthalene	540	U
88-74-4	2-Nitroaniline	1400	U
131-11-3	Dimethylphthalate	540	U
606-20-2	2,6-Dinitrotoluene	540	U
208-96-8	Acenaphthylene	540	U
99-09-2	3-Nitroaniline	1400	U
83-32-9	Acenaphthene	540	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F1

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339606

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339606A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 39 decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/29/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 12.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1400	U
100-02-7	4-Nitrophenol	1400	U
132-64-9	Dibenzofuran	540	U
121-14-2	2,4-Dinitrotoluene	540	U
84-66-2	Diethylphthalate	540	U
86-73-7	Fluorene	540	U
7005-72-3	4-Chlorophenyl-phenylether	540	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-methylphenol	1400	U
86-30-6	N-nitrosodiphenylamine (1)	540	U
101-55-3	4-Bromophenyl-phenylether	540	U
118-74-1	Hexachlorobenzene	540	U
1912-24-9	Atrazine	540	U
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	540	U
120-12-7	Anthracene	540	U
86-74-8	Carbazole	540	U
84-74-2	Di-n-butylphthalate	540	U
206-44-0	Fluoranthene	540	U
129-00-0	Pyrene	540	U
85-68-7	Butylbenzylphthalate	540	U
91-94-1	3,3'-Dichlorobenzidine	540	U
56-55-3	Benzo(a)anthracene	540	U
218-01-9	Chrysene	540	U
117-81-7	bis(2-Ethylhexyl)phthalate	540	U
117-84-0	Di-n-octylphthalate	540	U
205-99-2	Benzo(b)fluoranthene	540	U
207-08-9	Benzo(k)fluoranthene	540	U
50-32-8	Benzo(a)pyrene	540	U
193-39-5	Indeno(1,2,3-cd)pyrene	540	U
53-70-3	Dibenzo(a,h)anthracene	540	U
191-24-2	Benzo(g,h,i)perylene	540	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00F1

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339606

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339606A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 39 Decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/29/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 12.0 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	18.37	120	J
2.	UNKNOWN	19.29	480	J
3.	UNKNOWN	19.56	410	J
4.	UNKNOWN	19.91	940	J
5.	UNKNOWN	20.27	410	J
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339607

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339607A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 28 decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 07/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	460	U
108-95-2	Phenol	460	U
111-44-4	bis(2-Chloroethyl)ether	460	U
95-57-8	2-Chlorophenol	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460	U
98-86-2	Acetophenone	460	U
106-44-5	4-Methylphenol	460	U
621-64-7	N-Nitroso-di-n-propylamine	460	U
67-72-1	Hexachloroethane	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
111-91-1	bis(2-Chloroethoxy)methane	460	U
120-83-2	2,4-Dichlorophenol	460	U
91-20-3	Naphthalene	460	U
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
105-60-2	Caprolactam	460	U
59-50-7	4-Chloro-3-methylphenol	460	U
91-57-6	2-Methylnaphthalene	460	U
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	460	U
95-95-4	2,4,5-Trichlorophenol	1200	U
92-52-4	1,1'-Biphenyl	460	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	460	U
606-20-2	2,6-Dinitrotoluene	460	U
208-96-8	Acenaphthylene	460	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	460	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339607

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339607A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 28 decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 07/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	460	U
121-14-2	2,4-Dinitrotoluene	460	U
84-66-2	Diethylphthalate	460	U
86-73-7	Fluorene	460	U
7005-72-3	4-Chlorophenyl-phenylether	460	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-nitrosodiphenylamine (1)	460	U
101-55-3	4-Bromophenyl-phenylether	460	U
118-74-1	Hexachlorobenzene	460	U
1912-24-9	Atrazine	460	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	460	U
120-12-7	Anthracene	460	U
86-74-8	Carbazole	460	U
84-74-2	Di-n-butylphthalate	460	U
206-44-0	Fluoranthene	460	U
129-00-0	Pyrene	200	J
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	460	U
56-55-3	Benzo(a)anthracene	460	U
218-01-9	Chrysene	110	J
117-81-7	bis(2-Ethylhexyl)phthalate	150	J
117-84-0	Di-n-octylphthalate	460	U
205-99-2	Benzo(b)fluoranthene	460	U
207-08-9	Benzo(k)fluoranthene	460	U
50-32-8	Benzo(a)pyrene	98	J
193-39-5	Indeno(1,2,3-cd)pyrene	460	U
53-70-3	Dibenzo(a,h)anthracene	460	U
191-24-2	Benzo(g,h,i)perylene	460	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00F6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339607

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339607A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 28 Decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 07/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 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	7.60	230	J
2.	UNKNOWN CARBOXYLIC ACID	7.70	400	J
3.	UNKNOWN	8.32	400	J
4.	UNKNOWN CARBOXYLIC ACID	8.37	300	J
5.	UNKNOWN CARBOXYLIC ACID	9.14	200	J
6.	UNKNOWN CARBOXYLIC ACID	11.16	170	J
57-10-3	HEXADECANOIC ACID	19.94	260	NJ
	UNKNOWN	20.52	190	J
9.	UNKNOWN CARBOXYLIC ACID	21.10	200	J
10.	UNKNOWN	22.23	170	J
11.	UNKNOWN	23.00	190	J
12.	UNKNOWN	23.12	200	J
13.	UNKNOWN	23.28	240	J
14.	UNKNOWN	24.02	290	J
15.	UNKNOWN	24.98	380	J
16.	UNKNOWN	25.02	320	J
17.	UNKNOWN	25.13	240	J
18.	UNKNOWN	25.26	360	J
19.	UNKNOWN	25.63	320	J
20.	UNKNOWN	25.74	230	J
21.	UNKNOWN	25.91	300	J
22.	UNKNOWN	25.95	340	J
23.	UNKNOWN	26.05	650	J
24.	UNKNOWN	26.39	440	J
25. 53584-60-4	28-NOR-17.ALPHA.(H)-HOPANE	26.60	600	NJ
26.	UNKNOWN	26.66	250	J
27.	UNKNOWN	27.33	660	J
28.	UNKNOWN	28.32	480	J
29.	UNKNOWN	28.46	210	J
30.	UNKNOWN	29.20	370	J

FORM I SV-TIC OLM04.2

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339608

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339608RD2A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 18 decanted: (Y/N) N Date Extracted: 07/02/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/06/04

Injection Volume: 2.0(uL) Dilution Factor: 15.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	12000	U
108-95-2	Phenol	12000	U
111-44-4	bis(2-Chloroethyl)ether	12000	U
95-57-8	2-Chlorophenol	12000	U
95-48-7	2-Methylphenol	12000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	12000	U
98-86-2	Acetophenone	12000	U
106-44-5	4-Methylphenol	2500	J
621-64-7	N-Nitroso-di-n-propylamine	12000	U
67-72-1	Hexachloroethane	12000	U
98-95-3	Nitrobenzene	12000	U
78-59-1	Isophorone	12000	U
88-75-5	2-Nitrophenol	12000	U
105-67-9	2,4-Dimethylphenol	12000	U
111-91-1	bis(2-Chloroethoxy)methane	12000	U
120-83-2	2,4-Dichlorophenol	12000	U
91-20-3	Naphthalene	12000	U
106-47-8	4-Chloroaniline	12000	U
87-68-3	Hexachlorobutadiene	12000	U
105-60-2	Caprolactam	12000	U
59-50-7	4-Chloro-3-methylphenol	12000	U
91-57-6	2-Methylnaphthalene	12000	U
77-47-4	Hexachlorocyclopentadiene	12000	U
88-06-2	2,4,6-Trichlorophenol	12000	U
95-95-4	2,4,5-Trichlorophenol	30000	U
92-52-4	1,1'-Biphenyl	12000	U
91-58-7	2-Chloronaphthalene	12000	U
88-74-4	2-Nitroaniline	30000	U
131-11-3	Dimethylphthalate	12000	U
606-20-2	2,6-Dinitrotoluene	12000	U
208-96-8	Acenaphthylene	12000	U
99-09-2	3-Nitroaniline	30000	U
83-32-9	Acenaphthene	12000	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339608

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339608RD2A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 18 decanted: (Y/N) N Date Extracted: 07/02/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/06/04

Injection Volume: 2.0(uL) Dilution Factor: 15.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	30000	U
100-02-7	4-Nitrophenol	30000	U
132-64-9	Dibenzofuran	12000	U
121-14-2	2,4-Dinitrotoluene	12000	U
84-66-2	Diethylphthalate	12000	U
86-73-7	Fluorene	12000	U
7005-72-3	4-Chlorophenyl-phenylether	12000	U
100-01-6	4-Nitroaniline	30000	U
534-52-1	4,6-Dinitro-2-methylphenol	30000	U
86-30-6	N-nitrosodiphenylamine (1)	12000	U
101-55-3	4-Bromophenyl-phenylether	12000	U
118-74-1	Hexachlorobenzene	12000	U
1912-24-9	Atrazine	12000	U
87-86-5	Pentachlorophenol	30000	U
85-01-8	Phenanthrene	4500	J
120-12-7	Anthracene	12000	U
86-74-8	Carbazole	12000	U
84-74-2	Di-n-butylphthalate	12000	U
206-44-0	Fluoranthene	12000	U
129-00-0	Pyrene	3300	J
85-68-7	Butylbenzylphthalate	12000	U
91-94-1	3,3'-Dichlorobenzidine	12000	U
56-55-3	Benzo(a)anthracene	12000	U
218-01-9	Chrysene	4400	J
117-81-7	bis(2-Ethylhexyl)phthalate	12000	U
117-84-0	Di-n-octylphthalate	12000	U
205-99-2	Benzo(b)fluoranthene	12000	U
207-08-9	Benzo(k)fluoranthene	12000	U
50-32-8	Benzo(a)pyrene	12000	U
193-39-5	Indeno(1,2,3-cd)pyrene	12000	U
53-70-3	Dibenzo(a,h)anthracene	12000	U
191-24-2	Benzo(g,h,i)perylene	12000	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00F7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339608

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339608RD2A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 07/02/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/06/04

Injection Volume: 2.0(uL) Dilution Factor: 15.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

Number TICs found: 29

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 16587-52-3	DIBENZOTHIOPHENE, 3-METHYL-	19.41	27000	NJ
2. 16587-52-3	DIBENZOTHIOPHENE, 3-METHYL-	19.56	15000	NJ
3. 16587-52-3	DIBENZOTHIOPHENE, 3-METHYL-	19.75	26000	NJ
4. 613-12-7	ANTHRACENE, 2-METHYL-	19.90	17000	NJ
5. 1207-15-4	2,8-DIMETHYLDIBENZO(B,D)THIO	20.13	18000	NJ
6. 16587-34-1	NAPHTHO[2,3-B]THIOPHENE, 4,9	20.27	21000	NJ
7.	UNKNOWN	20.40	27000	J
8. 16587-34-1	NAPHTHO[2,3-B]THIOPHENE, 4,9	20.45	39000	NJ
9.	UNKNOWN	20.53	21000	J
10. 5522-01-0	2H-1,4-BENZOTHIAZIN-3(4H)-ON	20.83	34000	NJ
11.	UNKNOWN	20.97	160000	J
12.	UNKNOWN	21.06	120000	J
13.	UNKNOWN	21.14	48000	J
14.	UNKNOWN	21.34	35000	J
15.	UNKNOWN	21.59	46000	J
16.	UNKNOWN	21.88	57000	J
17.	UNKNOWN	21.95	47000	J
18. 21725-46-2	CYANAZINE	21.99	33000	NJ
19.	UNKNOWN	22.32	45000	J
20. 243-46-9	BENZO[B]NAPHTHO[2,3-D]THIOPH	22.54	33000	NJ
21.	UNKNOWN	23.71	36000	J
22.	UNKNOWN	24.09	65000	J
23.	UNKNOWN	24.50	13000	J
24.	UNKNOWN	25.35	24000	J
25.	UNKNOWN	25.66	11000	J
26.	UNKNOWN	26.08	17000	J
27. 53584-60-4	28-NOR-17.ALPHA.(H)-HOPANE	26.62	23000	NJ
28.	UNKNOWN	27.35	14000	J
29.	UNKNOWN	28.32	8100	J
30.				

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F8

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339609

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339609DA70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 28 decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/29/04

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	920	U
108-95-2	Phenol	920	U
111-44-4	bis(2-Chloroethyl)ether	920	U
95-57-8	2-Chlorophenol	920	U
95-48-7	2-Methylphenol	920	U
108-60-1	2,2'-oxybis(1-Chloropropane)	920	U
98-86-2	Acetophenone	920	U
106-44-5	4-Methylphenol	920	U
621-64-7	N-Nitroso-di-n-propylamine	920	U
67-72-1	Hexachloroethane	920	U
98-95-3	Nitrobenzene	920	U
78-59-1	Isophorone	920	U
88-75-5	2-Nitrophenol	920	U
105-67-9	2,4-Dimethylphenol	920	U
111-91-1	bis(2-Chloroethoxy)methane	920	U
120-83-2	2,4-Dichlorophenol	920	U
91-20-3	Naphthalene	920	U
106-47-8	4-Chloroaniline	920	U
87-68-3	Hexachlorobutadiene	920	U
105-60-2	Caprolactam	920	U
59-50-7	4-Chloro-3-methylphenol	920	U
91-57-6	2-Methylnaphthalene	290	J
77-47-4	Hexachlorocyclopentadiene	920	U
88-06-2	2,4,6-Trichlorophenol	920	U
95-95-4	2,4,5-Trichlorophenol	2300	U
92-52-4	1,1'-Biphenyl	920	U
91-58-7	2-Chloronaphthalene	920	U
88-74-4	2-Nitroaniline	2300	U
131-11-3	Dimethylphthalate	920	U
606-20-2	2,6-Dinitrotoluene	920	U
208-96-8	Acenaphthylene	920	U
99-09-2	3-Nitroaniline	2300	U
83-32-9	Acenaphthene	920	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F8

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339609

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339609DA70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 28 decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/29/04

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2300	U
100-02-7	4-Nitrophenol	2300	U
132-64-9	Dibenzofuran	920	U
121-14-2	2,4-Dinitrotoluene	920	U
84-66-2	Diethylphthalate	920	U
86-73-7	Fluorene	920	U
7005-72-3	4-Chlorophenyl-phenylether	920	U
100-01-6	4-Nitroaniline	2300	U
534-52-1	4,6-Dinitro-2-methylphenol	2300	U
86-30-6	N-nitrosodiphenylamine (1)	920	U
101-55-3	4-Bromophenyl-phenylether	920	U
118-74-1	Hexachlorobenzene	920	U
1912-24-9	Atrazine	920	U
87-86-5	Pentachlorophenol	2300	U
85-01-8	Phenanthrene	420	J
120-12-7	Anthracene	920	U
86-74-8	Carbazole	920	U
84-74-2	Di-n-butylphthalate	920	U
206-44-0	Fluoranthene	920	U
129-00-0	Pyrene	360	J
85-68-7	Butylbenzylphthalate	920	U
91-94-1	3,3'-Dichlorobenzidine	920	U
56-55-3	Benzo(a)anthracene	920	U
218-01-9	Chrysene	230	J
117-81-7	bis(2-Ethylhexyl)phthalate	920	U
117-84-0	Di-n-octylphthalate	920	U
205-99-2	Benzo(b)fluoranthene	920	U
207-08-9	Benzo(k)fluoranthene	920	U
50-32-8	Benzo(a)pyrene	920	U
193-39-5	Indeno(1,2,3-cd)pyrene	920	U
53-70-3	Dibenzo(a,h)anthracene	920	U
191-24-2	Benzo(g,h,i)perylene	920	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00F8

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339609

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339609DA70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 28 Decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/29/04

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.5 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	19.75	470	J
2. 19218-94-1	TETRADECANE, 1-IODO-	20.15	570	NJ
3. 1207-15-4	2,8-DIMETHYLDIBENZO(B,D)THIO	20.27	620	NJ
4.	UNKNOWN	20.39	580	J
5. 16587-34-1	NAPHTHO[2,3-B]THIOPHENE, 4,9	20.43	720	NJ
6.	UNKNOWN	20.51	610	J
7. 3674-66-6	PHENANTHRENE, 2,5-DIMETHYL-	20.61	1000	NJ
8.	UNKNOWN	20.95	1600	J
9.	UNKNOWN	21.57	510	J
10.	UNKNOWN	21.63	560	J
11.	UNKNOWN	21.95	460	J
12.	UNKNOWN	22.30	560	J
13. 239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPH	22.50	760	NJ
14.	UNKNOWN	22.81	610	J
15.	UNKNOWN	22.95	550	J
16.	UNKNOWN	23.48	460	J
17.	UNKNOWN	23.69	480	J
18.	UNKNOWN	23.89	740	J
19.	UNKNOWN	24.01	600	J
20.	UNKNOWN	24.98	790	J
21.	UNKNOWN	25.63	950	J
22.	UNKNOWN	25.74	800	J
23.	UNKNOWN	25.94	740	J
24.	UNKNOWN	26.08	730	J
25.	UNKNOWN	26.60	1000	J
26.	UNKNOWN	27.32	1100	J
27.	UNKNOWN	28.31	860	J
28.				
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30.				

FORM I SV-TIC OLM04.2

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00G2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339610

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339610A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 25 decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/29/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	440	U
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
98-86-2	Acetophenone	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
105-60-2	Caprolactam	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	440	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
606-20-2	2,6-Dinitrotoluene	440	U
208-96-8	Acenaphthylene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	440	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00G2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339610

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339610A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 25 decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/29/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
86-73-7	Fluorene	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
1912-24-9	Atrazine	140	J
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	260	J
120-12-7	Anthracene	440	U
86-74-8	Carbazole	440	U
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	320	J
129-00-0	Pyrene	300	J
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	160	J
218-01-9	Chrysene	160	J
117-81-7	bis(2-Ethylhexyl)phthalate	440	U
117-84-0	Di-n-octylphthalate	200	J
205-99-2	Benzo(b)fluoranthene	130	J
207-08-9	Benzo(k)fluoranthene	120	J
50-32-8	Benzo(a)pyrene	150	J
193-39-5	Indeno(1,2,3-cd)pyrene	440	U
53-70-3	Dibenzo(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	440	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E00G2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339610

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339610A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/29/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

Number TICs found: 24

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.37	180	JB
2. 942-43-8	1H-INDENE, 2,3-DIHYDRO-1,1,5	15.09	100	NJ
3.	UNKNOWN	19.48	230	J
4. 57-10-3	HEXADECANOIC ACID	19.93	260	NJ
5.	UNKNOWN PAH	20.96	100	J
6.	UNKNOWN	22.23	140	J
7.	UNKNOWN	22.47	130	J
	UNKNOWN	23.98	110	J
9.	UNKNOWN	24.11	90	JB
10.	UNKNOWN CARBOXYLIC ACID	24.15	250	J
11.	UNKNOWN AMIDE	24.22	460	J
12.	UNKNOWN	24.29	200	JB
13. 28553-12-0	1,2-BENZENEDICARBOXYLIC ACID	24.33	350	NJ
14. 10152-69-9	CYCLOPROPANENONANOIC ACID, 2	24.42	150	NJ
15.	UNKNOWN	24.51	410	J
16.	UNKNOWN CARBOXYLIC ACID	24.58	440	J
17.	UNKNOWN	24.67	600	J
18.	UNKNOWN	24.76	450	J
19.	UNKNOWN	24.85	430	J
20.	UNKNOWN	24.93	240	J
21	UNKNOWN CARBOXYLIC ACID	25.03	150	J
22 192-97-2	BENZO[E]PYRENE	25.23	170	NJ
23	UNKNOWN	28.22	290	J
24.	UNKNOWN	30.85	100	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00G3

Lab Name: COMPUCHEM Contract: 68W03021

b Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339611

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339611A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 24 decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/29/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	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
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	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.

E00G3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339611

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339611A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 24 decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/29/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	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

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00G3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339611

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339611A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 24 Decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/29/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.35	200	JB
2. 57-10-3	HEXADECANOIC ACID	19.92	130	NJ
3.	UNKNOWN	22.13	140	J
4.	UNKNOWN	24.22	200	JB
5.	UNKNOWN	24.47	96	J
6.	UNKNOWN	26.56	110	J
7.	UNKNOWN	26.75	88	J
8.	UNKNOWN	27.28	92	J
9.	UNKNOWN	28.22	280	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00G4

Lab Name: COMPUCHEM Contract: 68W03021

b Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339612

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339612A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 21 decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/29/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	420	U
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
98-86-2	Acetophenone	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
105-60-2	Caprolactam	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	420	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	420	U
606-20-2	2,6-Dinitrotoluene	420	U
208-96-8	Acenaphthylene	420	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	420	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00G4

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339612

Sample wt/vol: 30.0(g/mL) G Lab File ID: 339612A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 21 decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/29/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
86-73-7	Fluorene	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
1912-24-9	Atrazine	420	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
86-74-8	Carbazole	420	U
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
117-81-7	bis(2-Ethylhexyl)phthalate	420	U
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E00G4

Lab Name: COMPUCHEM Contract: 68W03021

b Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339612

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339612A70

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: 21 Decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/29/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

Number TICs found: 16

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.34	190	JB
2.	UNKNOWN	7.86	86	J
3. 2091-29-4	9-HEXADECENOIC ACID	19.81	85	NJ
4. 57-10-3	HEXADECANOIC ACID	19.93	180	NJ
5.	UNKNOWN AMIDE	24.22	200	J
6.	UNKNOWN	24.31	130	J
	UNKNOWN	24.48	400	J
[illegible].	UNKNOWN	24.57	97	J
9.	UNKNOWN	24.67	110	J
10.	UNKNOWN	24.92	89	J
11.	UNKNOWN	25.86	98	J
12.	UNKNOWN	28.22	230	J
13.	UNKNOWN	28.43	98	J
14.	UNKNOWN	28.50	170	J
15.	UNKNOWN	29.11	93	J
16.	UNKNOWN	30.86	200	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKHT

Lab Name: COMPUCHEM Contract: 68W03021

b Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 36843

Sample wt/vol: 30.0(g/mL) G Lab File ID: 36843RA70

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

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/02/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 07/06/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKHT

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 36843

Sample wt/vol: 30.0(g/mL) G Lab File ID: 36843RA70

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

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/02/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 07/06/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKHT

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 36843

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 36843RA70

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

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:07/02/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 07/06/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ 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	7.34	570	J
2. 301-02-0	9-OCTADECENAMIDE, (Z)-	24.13	81	NJ
3.				
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FORM I SV-TIC OLM04.2

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKUF

Lab Name: COMPUCHEM Contract: 68W03021

L Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 37453

Sample wt/vol: 30.0(g/mL) G Lab File ID: 37453A70

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

% Moisture: 0 decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/28/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKUF

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 37453

Sample wt/vol: 30.0(g/mL) G Lab File ID: 37453A70

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

% Moisture: 0 decanted: (Y/N) N Date Extracted: 06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/28/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKUF

Lab Name: COMPUCHEM Contract: 68W03021

Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 37453

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 37453A70

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

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:06/23/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/28/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ 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	7.40	160	J
2.	UNKNOWN	24.20	140	J
3.				
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FORM I SV-TIC OLM04.2

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

GC Column(1): CLPEST ID: 0.53(mm) GC Column(2): CLPEST2 ID: 0.53(mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKUF	69	72	92	92			0
02	E00E2MS	67	72	100	94			0
03	E00E2MSD	78	72	100	94			0
04	E00E1	94	94	118	118			0
05	E00E2	94	78	106	100			0
06	E00E8	119	94	125	138			0
07	E00E9	113	100	160*	160*			2
08	E00F0	81	88	88	94			0
09	E00F1	100	100	95	109			0
10	E00F6	116	84	126	132			0
11	E00F7	0*	0*	63	81			2
12	E00F8	63	74	121	95			0
13	E00G2	89	100	100	94			0
14	E00G3	94	100	106	111			0
15	E00G4	55	59	57	58			0
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26								
27								
28								
29								
30								

		QC LIMITS
S1 (TCX)	= Tetrachloro-m-xylene	(30-150)
S2 (DCB)	= Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

7.12.2004

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3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix Spike - EPA Sample No.: E00E2

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	23	0.0	15	65	46-127
Heptachlor	23	0.0	14	61	35-130
Aldrin	23	0.0	16	70	34-132
Dieldrin	46	0.0	33	72	31-134
Endrin	46	0.0	37	80	42-139
4,4'-DDT	46	0.0	35	76	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	23	17	74	13	50	46-127
Heptachlor	23	15	65	6	31	35-130
Aldrin	23	17	74	6	43	34-132
Dieldrin	46	36	78	8	38	31-134
Endrin	46	40	87	8	45	42-139
4,4'-DDT	46	38	83	9	50	23-134

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

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKUF

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Lab Sample ID: 37448 Lab File ID: _____

Matrix (soil/water) SOIL Extraction:(Type) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 06/23/04

Date Analyzed (1): 07/07/04 Date Analyzed (2): 07/07/04

Time Analyzed (1): 2328 Time Analyzed (2): 2328

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC85

GC Column (1): CLPEST ID: 0.53(mm) GC Column (2): CLPEST2 ID: 0.53(mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	E00E2MS	37449	07/07/04	07/07/04
02	E00E2MSD	37450	07/08/04	07/08/04
03	E00E1	339601	07/08/04	07/08/04
04	E00E2	339602	07/08/04	07/08/04
05	E00E8	339603	07/08/04	07/08/04
06	E00E9	339604	07/08/04	07/08/04
07	E00F0	339605	07/08/04	07/08/04
08	E00F1	339606	07/08/04	07/08/04
09	E00F6	339607	07/08/04	07/08/04
10	E00F7	339608	07/08/04	07/08/04
11	E00F8	339609	07/08/04	07/08/04
12	E00G2	339610	07/08/04	07/08/04
13	E00G3	339611	07/08/04	07/08/04
14	E00G4	339612	07/08/04	07/08/04
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COMMENTS: _____

FORM IV PEST OLM04.2

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E1

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339601

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

% Moisture: 21 Decanted: (Y/N) N Date Received: 06/17/04

Extraction: (Type) SONC Date Extracted: 06/23/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/08/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	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	4.2	U
72-55-9	4,4'-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	4.2	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.2	U
7421-93-4	Endrin aldehyde	4.2	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	42	U
11104-28-2	Aroclor-1221	85	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	42	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339602

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

% Moisture: 27 Decanted: (Y/N) Y Date Received: 06/17/04

Extraction: (Type) SONC Date Extracted: 06/23/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/08/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	1.0	JP
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
11104-28-2	Aroclor-1221	92	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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E2MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 37449

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

% Moisture: 27 Decanted: (Y/N) Y Date Received: 06/17/04

Extraction: (Type) SONC Date Extracted: 06/23/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/07/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	J
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	15	
76-44-8	Heptachlor	14	
309-00-2	Aldrin	16	
1024-57-3	Heptachlor epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	33	
72-55-9	4,4'-DDE	4.5	U
72-20-8	Endrin	37	
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	35	
72-43-5	Methoxychlor	23	U
53494-70-5	Endrin ketone	0.99	JP
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
11104-28-2	Aroclor-1221	92	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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E2MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 37450

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

% Moisture: 27 Decanted: (Y/N) Y Date Received: 06/17/04

Extraction: (Type) SONC Date Extracted: 06/23/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/08/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		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)	17	
76-44-8	Heptachlor	15	
309-00-2	Aldrin	17	
1024-57-3	Heptachlor epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	36	
72-55-9	4,4'-DDE	4.5	U
72-20-8	Endrin	40	
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	38	
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
11104-28-2	Aroclor-1221	92	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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E8

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339603

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

% Moisture: 18 Decanted: (Y/N) N Date Received: 06/17/04

Extraction: (Type) SONC Date Extracted: 06/23/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/08/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.9 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	2.0	JP
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	0.92	JP
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
11104-28-2	Aroclor-1221	82	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.

E00E9

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339604

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

% Moisture: 12 Decanted: (Y/N) N Date Received: 06/17/04

Extraction: (Type) SONC Date Extracted: 06/23/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/08/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.4 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		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)	0.39	J
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	3.8	U
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	3.9	JP
53494-70-5	Endrin ketone	0.99	JP
7421-93-4	Endrin aldehyde	3.8	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	38	U
11104-28-2	Aroclor-1221	76	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	38	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339605

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

% Moisture: 19 Decanted: (Y/N) N Date Received: 06/17/04

Extraction: (Type) SONC Date Extracted: 06/23/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/08/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.5 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	1.1	JP
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	4.8	JP
53494-70-5	Endrin ketone	0.89	JP
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
11104-28-2	Aroclor-1221	83	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.

E00F1

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339606

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

% Moisture: 39 Decanted: (Y/N) N Date Received: 06/17/04

Extraction: (Type) SONC Date Extracted: 06/23/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/08/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	2.8	U
319-85-7	beta-BHC	2.8	U
319-86-8	delta-BHC	2.8	U
58-89-9	gamma-BHC (Lindane)	0.79	JP
76-44-8	Heptachlor	2.8	U
309-00-2	Aldrin	2.8	U
1024-57-3	Heptachlor epoxide	2.8	U
959-98-8	Endosulfan I	2.8	U
60-57-1	Dieldrin	5.4	U
72-55-9	4,4'-DDE	5.4	U
72-20-8	Endrin	5.4	U
33213-65-9	Endosulfan II	5.4	U
72-54-8	4,4'-DDD	5.4	U
1031-07-8	Endosulfan sulfate	5.4	U
50-29-3	4,4'-DDT	5.4	U
72-43-5	Methoxychlor	28	U
53494-70-5	Endrin ketone	5.4	U
7421-93-4	Endrin aldehyde	5.4	U
5103-71-9	alpha-Chlordane	2.8	U
5103-74-2	gamma-Chlordane	2.8	U
8001-35-2	Toxaphene	280	U
12674-11-2	Aroclor-1016	54	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	54	U
53469-21-9	Aroclor-1242	54	U
12672-29-6	Aroclor-1248	54	U
11097-69-1	Aroclor-1254	54	U
11096-82-5	Aroclor-1260	54	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339607

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

% Moisture: 28 Decanted: (Y/N) N Date Received: 06/17/04

Extraction: (Type) SONC Date Extracted: 06/23/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/08/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.2 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.0	JP
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	0.52	JP
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.6	U
72-55-9	4,4'-DDE	4.6	U
72-20-8	Endrin	4.6	U
33213-65-9	Endosulfan II	4.6	U
72-54-8	4,4'-DDD	4.6	U
1031-07-8	Endosulfan sulfate	4.6	U
50-29-3	4,4'-DDT	4.6	U
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	4.6	U
7421-93-4	Endrin aldehyde	4.6	U
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	46	U
11104-28-2	Aroclor-1221	93	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	46	U
11096-82-5	Aroclor-1260	46	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339608

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

% Moisture: 18 Decanted: (Y/N) N Date Received: 06/17/04

Extraction: (Type) SONC Date Extracted: 06/23/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/08/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	18	P
319-86-8	delta-BHC	26	P
58-89-9	gamma-BHC (Lindane)	13	P
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	29	P
959-98-8	Endosulfan I	16	P
60-57-1	Dieldrin	4.3	P
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	4.8	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	2.8	JP
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	23	P
7421-93-4	Endrin aldehyde	8.1	P
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	0.62	JP
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	82	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.

E00F8

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339609

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

% Moisture: 28 Decanted: (Y/N) N Date Received: 06/17/04

Extraction: (Type) SONC Date Extracted: 06/23/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/08/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.5 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	3.7	P
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	0.54	JP
60-57-1	Dieldrin	3.1	JP
72-55-9	4,4'-DDE	4.6	U
72-20-8	Endrin	3.5	JP
33213-65-9	Endosulfan II	4.6	U
72-54-8	4,4'-DDD	4.6	U
1031-07-8	Endosulfan sulfate	6.8	P
50-29-3	4,4'-DDT	4.2	JP
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	1.9	JP
7421-93-4	Endrin aldehyde	5.8	P
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	46	U
11104-28-2	Aroclor-1221	93	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	46	U
11096-82-5	Aroclor-1260	46	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00G2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339610

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

% Moisture: 25 Decanted: (Y/N) N Date Received: 06/17/04

Extraction: (Type) SONC Date Extracted: 06/23/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/08/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	1.6	JP
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	1.1	JP
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	0.56	J
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor-1016	44	U
11104-28-2	Aroclor-1221	89	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

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00G3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339611

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

% Moisture: 24 Decanted: (Y/N) N Date Received: 06/17/04

Extraction: (Type) SONC Date Extracted: 06/23/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/08/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.5 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	1.1	JP
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	4.3	U
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	4.3	U
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
11104-28-2	Aroclor-1221	88	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	43	U
11097-69-1	Aroclor-1254	43	U
11096-82-5	Aroclor-1260	43	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00G4

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 339612

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

% Moisture: 21 Decanted: (Y/N) N Date Received: 06/17/04

Extraction: (Type) SONC Date Extracted: 06/23/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/08/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	0.70	JP
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	4.2	U
72-55-9	4,4'-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	4.2	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.2	U
7421-93-4	Endrin aldehyde	4.2	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	42	U
11104-28-2	Aroclor-1221	85	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	42	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKUF

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E1

Matrix: (soil/water) SOIL Lab Sample ID: 37448

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

% Moisture: 0 Decanted: (Y/N) N Date Received: _____

Extraction: (Type) SONC Date Extracted: 06/23/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/07/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

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

Sample Delivery Group: E0DE1 CERCLIS No: ILD981961634

Case No: 32980 Site Name/Location: CELOTEX Corporated Dump

Contractor or EPA Lab: CompuChem Data User: IEPA

No. of Samples: 12 Date Sampled or Date Received: 7-14-04

Have Chain-of-Custody records been received? Yes ✓ No ____
Have traffic reports or packing lists been received? Yes ✓ No ____
If no, are traffic report or packing list numbers written on the Chain-of-Custody Record?
Yes ____ No ____
If no, which traffic report or packing list numbers are missing?

Are basic data forms in? Yes ✓ No ____
No of samples claimed: 12 No. of samples received: 12

Received by: Ena M. Dixon/ESAT Date: 7-14-04

Received by LSSS: Ena M. Dixon/ESAT Date: 7-14-04

Review started: ____ Reviewer Signature: ____

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

Copied by: Ena M. Dixon/ESAT Date: 7-21-04

Mailed to user by: Ena M. Dixon/ESAT Date: 7-21-04

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

Data received by: ____ Date: ____

Data review received by: ____ Date: ____

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

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

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

DATE: July 13, 2004

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

Attn: Bob Casper

SITE NAME: Celotex Corporated Dump

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
32980	Ceimic	12	ME00E1	Soil

==========

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

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

Data Received by:_____ Date:_____

PROBLEMS:

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

_____

_____

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

Signature:_____

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

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: July 13, 2004

SUBJECT: Review of Data
Received for Review on July 8, 2004

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

TO: Data User: IEPA

The data in this case has not been validated.
We have compiled the CADRE files into a narrative format for the following case:

SITE NAME: Celotex Corporated Dump

CASE NUMBER: 32980 SDG NUMBER: ME00E1

Number and Type of Samples: 12 soils

Sample Numbers: ME00E1,2,8,9; ME00F0,1,6-8; ME00G2-4

Laboratory: Ceimic Hrs. for Review: 2

Following are our findings:

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

Case Number : 32980
Site Name: Celotex Corporated Dump

SDG Number: ME00E1
Laboratory: Ceimic

1. HOLDING TIME:

Date: 7/8/2004 | Wincadre 3.1.3.2 | Page: 4

Data Review Results

Lab ID: CEIMIC	Case No.: 32980	Method: ILM05	Flag :NFG
File Name: ME00E1	SDG No.: ME00E1	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Holding Time **Protocol: INORG**

DC-10 The following inorganic soil samples were reviewed for holding time violations using criteria developed for water samples.

ME00E1, ME00E2, ME00E8, ME00E9, ME00F0, ME00F1, ME00F6, ME00F6D, ME00F6S, ME00F7, ME00F8, ME00G2, ME00G3, ME00G4

2. CALIBRATIONS:

Date 7/8/2004 | Wincadre 3.1.3.2 | Page: 1

Data Review Results

Lab ID: CEIMIC	Case No.: 32980	Method: ILM05	Flag :NFG
File Name: ME00E1	SDG No.: ME00E1	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Calibrations **Protocol: INORG**

No defects found.

Date: 7/8/2004 | Wincadre 3.1.3.2 | Page: 2

Data Review Results

Lab ID: CEIMIC	Case No.: 32980	Method: ILM05	Flag :NFG
File Name: ME00E1	SDG No.: ME00E1	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: CRDL/CRQL Standard **Protocol: INORG**

No defects found.

3. BLANKS:

Date: 7/8/2004 | Wincadre 3.1.3.2 | Page: 6

Data Review Results

Lab ID: CEIMIC	Case No.: 32980	Method: ILM05	Flag :NFG
File Name: ME00E1	SDG No.: ME00E1	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Laboratory Blanks **Protocol: INORG**

DC-2 The following inorganic samples are associated with initial or continuing calibration blanks which were not run in the required analytical frequency. Hits and non-detects are not flagged.

Cyanide
ME00E1, ME00E2, ME00E8, ME00E9, ME00F0, ME00F1, ME00F6

15 The following inorganic samples are associated with an ICB concentration which is less

Assembled By: ESAT
Date: July 13, 2004

ME00G2, ME00G3, ME00G4

C-22 The following inorganic samples are associated with a CCB analyte with negative concentration whose absolute value is greater than or equal to the method detection limit (MDL) but less than or equal to the CRQL. Use professional judgement to qualify sample data.

Arsenic
ME00E1, ME00E2, ME00E8, ME00E9, ME00F0, ME00F1, ME00F6, ME00F7, ME00F8, ME00G2, ME00G3, ME00G4

Cadmium
ME00E1, ME00E2, ME00E8

Selenium
ME00E1, ME00E2, ME00E8, ME00E9, ME00F0, ME00F1, ME00F6, ME00F7, ME00F8, ME00G2, ME00G3, ME00G4

Sodium
ME00E1, ME00E2, ME00E8

Cyanide
ME00E1, ME00E2, ME00E8, ME00E9, ME00F0, ME00F1, ME00F6, ME00F7, ME00F8, ME00G2, ME00G3, ME00G4

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

Date: 7/8/2004 Wincadre 3.1.3.2 Page: 8

Data Review Results

Lab ID CEIMIC	Case No.: 32980	Method: ILM05	Flag :NFG
File Name: ME00E1	SDG No.: ME00E1	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Laboratory Control Sample **Protocol: INORG**

DC-6 The following inorganic soil samples are associated with a solid laboratory control sample (LCS) with analyte found amounts above the upper control limit criteira. Hits are qualified "J+".

Potassium
ME00E1, ME00E2, ME00E8, ME00E9, ME00F0, ME00F1, ME00F6, ME00F7, ME00F8, ME00G2, ME00G3, ME00G4

Date: 7/8/2004 Wincadre 3.1.3.2 Page: 9

Data Review Results

Lab ID: CEIMIC	Case No.: 32980	Method: ILM05	Flag :NFG
File Name: ME00E1	SDG No.: ME00E1	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Matrix Spikes **Protocol: INORG**

DC-6 The following inorganic samples are associated with a matrix spike recovery outside expanded low criteria. Post-digest spike sample was either not required or it was required but not analyzed. Hits are qualified "J-" and non-detects are qualified "R".

Silver
ME00E1, ME00E2, ME00E8, ME00E9, ME00F0, ME00F1, ME00F6, ME00F7, ME00F8, ME00G2, ME00G3, ME00G4

DC-10 The following inorganic samples are associated with a matrix spike recovery which is outside primary low criteria. Non-detects are flagged "UJ".

Thallium

DC-6 The following inorganic samples have elements other than Al, Ca, Fe, and Mg at concentrations higher than 10 mg/L that may cause potential interference. Use professional judgement to qualify sample data.

ME00E8
Manganese

ME00F6
Potassium

ME00G3
Potassium

DC-10 The following inorganic samples have one or more interferents present at concentrations more than true amounts added in the ICS solution. Use professional judgement to qualify sample data.

ME00E2, ME00E8, ME00E9, ME00F1, ME00F6, ME00G2, ME00G3, ME00G4

7. GFAA ANALYSIS

8. SAMPLE RESULTS

Date: 7/8/2004 Wincadre 3.1.3.2 Page: 10

Data Review Results

Lab ID: CEIMIC	Case No.: 32980	Method: ILM05	Flag :NFG
File Name: ME00E1	SDG No.: ME00E1	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Sample Result Verification **Protocol: INORG**

DC-5 The following inorganic samples have analyte concentrations reported below the quantitation limit (CRQL). All results below the CRQL are qualified"J".

ME00E1
Cobalt, Mercury, Potassium, Selenium, Sodium

ME00E2
Antimony, Beryllium, Cobalt, Mercury, Sodium

ME00E8
Potassium, Selenium, Sodium

ME00E9
Antimony, Barium, Beryllium, Potassium, Selenium, Sodium

ME00F0
Antimony, Beryllium, Cadmium, Cobalt, Mercury, Potassium, Selenium, Sodium, Cyanide

ME00F1
Antimony, Beryllium, Mercury, Potassium, Selenium, Sodium

ME00F6
Beryllium, Selenium, Sodium

ME00F6D
Beryllium, Selenium, Sodium

ME00F6S
Antimony, Sodium

ILM05.3 Data Qualifier Sheet

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

Analytical Results (Qualified Data)

Case #: 32980 SDG : ME00E1
Site : CELOTEX CORP DUMP SITE
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	ME00F1		ME00F6		ME00F7		ME00F8		ME00G2	
Sampling Location :	X102B		X103		X104A		X104B		X105	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	6/8/2004		6/15/2004		6/9/2004		6/16/2004		6/16/2004	
Time Sampled :	16:35		17:55		09:15		09:25		12:25	
%Solids :	86.2		76.7		86.8		83.5		74.8	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	5660		10300		3760		5020		8770	
ANTIMONY	0.97	J	7.2	UJ	0.96	J	6.9	UJ	0.84	J
ARSENIC	25.5	J	8.2	J	184	J	4.7	J	8.8	J
BARIUM	127		130		11.3	J	45.3		103	
BERYLLIUM	0.030	J	0.40	J	0.040	J	0.58	U	0.26	J
CADMIUM	0.56	U	0.60	U	0.54	U	0.66		0.66	U
CALCIUM	14100		16300		8450		11800		23700	
CHROMIUM	178		21.3		228		8.3		16.0	
COBALT	19.4		8.2		34.0		3.1	J	9.3	
COPPER	20.1		34.4		6.6		8.5		26.6	
IRON	13100		19900		8160		8000		28700	
LEAD	50.3		68.0		16.1		9.1		36.7	
MAGNESIUM	20500		8470		15300		5400		9390	
MANGANESE	780	J	677	J	404	J	174	J	794	J
MERCURY	0.060	J	0.22		0.020	J	0.10	J	0.20	
NICKEL	185		21.8		229		9.1		17.2	
POTASSIUM	462	UJ	1460	J+	388	UJ	698	J+	1260	J+
SELENIUM	2.2	J	1.3	J	1.8	J	0.90	J	4.6	U
SILVER	1.1	R	1.2	R	1.1	R	1.2	R	1.3	R
SODIUM	398	UJ	229	UJ	413	UJ	150	UJ	258	UJ
THALLIUM	2.8	UJ	3.0	UJ	2.7	UJ	2.9	UJ	3.3	UJ
VANADIUM	10.2		24.0		7.0		11.3		20.2	
ZINC	428		144		28.9		33.7		95.7	
CYANIDE	2.9	U	3.3	U	2.9	U	3.0	U	3.3	U

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

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

Case No: 32980
DAS No:
SDG No: ME00E3/ME00E1 L

Date Shipped:	6/16/2004
Carrier Name:	UPS
Airbill:	1Z6215892210024562
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Sampler Signature: James M Salch

Relinquished By	(Date / Time)	Received By	(Date / Time)
James M Salch	6/16/04 14:30	Elizabeth Astuig	06/17/04 10:00
2	EA	06/17/04	
3			
4			

For Lab Use Only

Lab Contract No:	68W02063
Unit Price:	A/5
Transfer To:	EA 06/17/04
Lab Contract No:	
Unit Price:	

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
ME00E1	Soil/Sediment/ Jim Salch	L/G	TM/CN (21)	5-277701 (Ice Only) (1)	X201	S: 6/14/2004	13:45	E00E1	
ME00E2	Soil/Sediment/ Jim Salch	L/G	TM/CN (21)	5-277705 (Ice Only) (1)	X202	S: 6/14/2004	11:30	E00E2	
ME00E8	Soil/Sediment/ Jim Salch	L/G	TM/CN (21)	5-277747 (Ice Only) (1)	X101A	S: 6/8/2004	13:30	E00E8	
ME00E9	Soil/Sediment/ Jim Salch	L/G	TM/CN (21)	5-277749 (Ice Only) (1)	X101B	S: 6/8/2004	13:40	E00E9	
ME00F0	Soil/Sediment/ Jim Salch	L/G	TM/CN (21)	5-277751 (Ice Only) (1)	X102A	S: 6/8/2004	16:30	E00F0	
ME00F1	Soil/Sediment/ Jim Salch	L/G	TM/CN (21)	5-277753 (Ice Only) (1)	X102B	S: 6/8/2004	16:35	E00F1	
ME00F2	Ground Water/ Jim Salch	L/G	CN (21), TM (21)	5-277759 (HNO3), 5-277760 (NaOH) (2)	G101	S: 6/15/2004	13:15	E00F2	
ME00F3	Ground Water/ Jim Salch	L/G	CN (21), TM (21)	5-277765 (HNO3), 5-277766 (NaOH) (2)	G102	S: 6/15/2004	13:15	E00F3	
ME00F4	Ground Water/ Jim Salch	L/G	TM (21)	5-277767 (HNO3) (1)	G101F	S: 6/15/2004	13:15		
ME00F5	Ground Water/ Jim Salch	L/G	TM (21)	5-277768 (HNO3) (1)	G102F	S: 6/15/2004	13:15		

EA 06/17/04

EA 06/17/04

EA 06/17/04

COPY
Original Documents are included in CSF
ME00E3

Shipment for Case Complete?Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
	ME00F9, ME00G0	EA 06/17/04	6°C, 6°C	82729, 82730

Analysis Key: Concentration: L = Low, M = Low/Medium, H = High Type/Designate: Composite = C, Grab = G Custody Seal Intact? ✓ Shipment Iced? ✓

CN = Cyanide, TM = CLP TAL Total Metals, TM/CN = CLP TAL Total Metals and Cyanide

TR Number: 5-314975591-061604-0001

LABORATORY COPY

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

JUL 0 8 2004

SDG Narrative

Laboratory Name: Ceimic Corporation
Case No.: 32980
SDG No.: ME00E1
Contract: 68W02063
Ceimic Project No.: 040574

The following ILM05.3 (ICP-AES) twelve soil/sediment samples were received at CEIMIC Corporation on June 17, 2004:

EPA ID	Ceimic ID
ME00E1	040574-01
ME00E2	040574-02
ME00E8	040574-03
ME00E9	040574-04
ME00F0	040574-05
ME00F1	040574-06
ME00F6	040574-07
ME00F7	040574-08
ME00F8	040574-09
ME00G2	040574-10
ME00G3	040574-11
ME00G4	040574-12

Comments on Data Package

The samples in this SDG for Case 32980 were received for Total Metals analysis by ICP-AES, Total Mercury analysis by CVAA, and Total Cyanide analysis by automated spectrophotometry. The above samples were digested and analyzed in accordance with the Inorganic Statement of Work (SOW) ILM05.3.

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

QA/QC Samples:

Laboratory QC analyses were not designated for this SDG on the Traffic Report / Chain of Custody. After consultation with Jessica Brown of the Sample Management Office, matrix spike and duplicate analysis – as well as ICP serial dilution – were performed on sample ME00F6. A post-digestion spike was required for Antimony and Thallium due to low recoveries in the matrix spike sample. Silver recovery was also low in the matrix spike sample; however, a post-digestion spike is not required for this element.

USEPA - CLP

JUL 0 8 2004

COVER PAGE

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

Lab Code: CEIMIC Case No: 32980 NRAS No.: SDG No: ME00E1

SOW No.: ILM05.3

EPA Sample No.	Lab Sample ID
ME00E1	040574-01
ME00E2	040574-02
ME00E8	040574-03
ME00E9	040574-04
ME00F0	040574-05
ME00F1	040574-06
ME00F6	040574-07
ME00F6D	040574-07D
ME00F6S	040574-07S
ME00F7	040574-08
ME00F8	040574-09
ME00G2	040574-10
ME00G3	040574-11
ME00G4	040574-12

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

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Ryan C. Montalbano Name: Ryan Montalbano

Date: 07/02/04 Title: Inorganic Lab Supervisor

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00E2

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: SDG NO.: ME00E1

Matrix (soil/water): SOIL Lab Sample ID: 040574-02

Level (low/med): LOW Date Received: 06/17/2004

% Solids: 75.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6600			P
7440-36-0	Antimony	0.75	J	N	P
7440-38-2	Arsenic	7.0			P
7440-39-3	Barium	43.5			P
7440-41-7	Beryllium	0.20	J		P
7440-43-9	Cadmium	0.61	U		P
7440-70-2	Calcium	32200			P
7440-47-3	Chromium	10.4			P
7440-48-4	Cobalt	5.2	J		P
7440-50-8	Copper	12.6			P
7439-89-6	Iron	17700			P
7439-92-1	Lead	12.7			P
7439-95-4	Magnesium	9510			P
7439-96-5	Manganese	433		*	P
7439-97-6	Mercury	0.10	J		CV
7440-02-0	Nickel	11.9			P
7440-09-7	Potassium	1100			P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	1.2	U	N	P
7440-23-5	Sodium	138	J		P
7440-28-0	Thallium	3.1	U	N	P
7440-62-2	Vanadium	14.1			P
7440-66-6	Zinc	42.6			P
57-12-5	Cyanide	3.3	U		AS

Color Before: black Clarity Before: n/a Texture: medium

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

Comments:

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00E9

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: SDG NO.: ME00E1

Matrix (soil/water): SOIL Lab Sample ID: 040574-04

Level (low/med): LOW Date Received: 06/17/2004

% Solids: 84.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5210			P
7440-36-0	Antimony	1.1	J	N	P
7440-38-2	Arsenic	224			P
7440-39-3	Barium	16.7	J		P
7440-41-7	Beryllium	0.018	J		P
7440-43-9	Cadmium	1.4			P
7440-70-2	Calcium	12800			P
7440-47-3	Chromium	246			P
7440-48-4	Cobalt	47.2			P
7440-50-8	Copper	86.2			P
7439-89-6	Iron	12900			P
7439-92-1	Lead	19.3			P
7439-95-4	Magnesium	25300			P
7439-96-5	Manganese	600		*	P
7439-97-6	Mercury	0.44			CV
7440-02-0	Nickel	331			P
7440-09-7	Potassium	196	J		P
7782-49-2	Selenium	2.1	J		P
7440-22-4	Silver	1.1	U	N	P
7440-23-5	Sodium	313	J		P
7440-28-0	Thallium	2.8	U	N	P
7440-62-2	Vanadium	9.1			P
7440-66-6	Zinc	125			P
57-12-5	Cyanide	3.0	U		AS

Color Before: grey Clarity Before: n/a Texture: medium

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

ments:

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00F1

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: SDG NO.: ME00E1

Matrix (soil/water): SOIL Lab Sample ID: 040574-06

Level (low/med): LOW Date Received: 06/17/2004

% Solids: 86.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5660			P
7440-36-0	Antimony	0.97	J	N	P
7440-38-2	Arsenic	25.5			P
7440-39-3	Barium	127			P
7440-41-7	Beryllium	0.030	J		P
7440-43-9	Cadmium	0.56	U		P
7440-70-2	Calcium	14100			P
7440-47-3	Chromium	178			P
7440-48-4	Cobalt	19.4			P
7440-50-8	Copper	20.1			P
7439-89-6	Iron	13100			P
7439-92-1	Lead	50.3			P
7439-95-4	Magnesium	20500			P
7439-96-5	Manganese	780		*	P
7439-97-6	Mercury	0.059	J		CV
7440-02-0	Nickel	185			P
7440-09-7	Potassium	462	J		P
7782-49-2	Selenium	2.2	J		P
7440-22-4	Silver	1.1	U	N	P
7440-23-5	Sodium	398	J		P
7440-28-0	Thallium	2.8	U	N	P
7440-62-2	Vanadium	10.2			P
7440-66-6	Zinc	428			P
57-12-5	Cyanide	2.9	U		AS

Color Before: black Clarity Before: n/a Texture: medium

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

Comments:

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00F7

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: SDG NO.: ME00E1

Matrix (soil/water): SOIL Lab Sample ID: 040574-08

Level (low/med): LOW Date Received: 06/17/2004

% Solids: 86.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3760			P
7440-36-0	Antimony	0.96	J	N	P
7440-38-2	Arsenic	184			P
7440-39-3	Barium	11.3	J		P
7440-41-7	Beryllium	0.038	J		P
7440-43-9	Cadmium	0.54	U		P
7440-70-2	Calcium	8450			P
7440-47-3	Chromium	228			P
7440-48-4	Cobalt	34.0			P
7440-50-8	Copper	6.6			P
7439-89-6	Iron	8160			P
7439-92-1	Lead	16.1			P
7439-95-4	Magnesium	15300			P
7439-96-5	Manganese	404		*	P
7439-97-6	Mercury	0.024	J		CV
7440-02-0	Nickel	229			P
7440-09-7	Potassium	388	J		P
7782-49-2	Selenium	1.8	J		P
7440-22-4	Silver	1.1	U	N	P
7440-23-5	Sodium	413	J		P
7440-28-0	Thallium	2.7	U	N	P
7440-62-2	Vanadium	7.0			P
7440-66-6	Zinc	28.9			P
57-12-5	Cyanide	2.9	U		AS

Color Before: black Clarity Before: n/a Texture: medium

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

Comments:

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00G2

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: SDG NO.: ME00E1

Matrix (soil/water): SOIL Lab Sample ID: 040574-10

Level (low/med): LOW Date Received: 06/17/2004

Solids: 74.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8770			P
7440-36-0	Antimony	0.83	J	N	P
7440-38-2	Arsenic	8.8			P
7440-39-3	Barium	103			P
7440-41-7	Beryllium	0.26	J		P
7440-43-9	Cadmium	0.66	U		P
7440-70-2	Calcium	23700			P
7440-47-3	Chromium	16.0			P
7440-48-4	Cobalt	9.3			P
7440-50-8	Copper	26.6			P
7439-89-6	Iron	28700			P
7439-92-1	Lead	36.7			P
7439-95-4	Magnesium	9390			P
7439-96-5	Manganese	794		*	P
7439-97-6	Mercury	0.20			CV
7440-02-0	Nickel	17.2			P
7440-09-7	Potassium	1260			P
7782-49-2	Selenium	4.6	U		P
7440-22-4	Silver	1.3	U	N	P
7440-23-5	Sodium	258	J		P
7440-28-0	Thallium	3.3	U	N	P
7440-62-2	Vanadium	20.2			P
7440-66-6	Zinc	95.7			P
57-12-5	Cyanide	3.3	U		AS

Color Before: black Clarity Before: n/a Texture: medium

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

Comments:

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00G4

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: SDG NO.: ME00E1

Matrix (soil/water): SOIL Lab Sample ID: 040574-12

Level (low/med): LOW Date Received: 06/17/2004

% Solids: 82.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4250			P
7440-36-0	Antimony	6.8	U	N	P
7440-38-2	Arsenic	5.4			P
7440-39-3	Barium	64.8			P
7440-41-7	Beryllium	0.11	J		P
7440-43-9	Cadmium	0.56	U		P
7440-70-2	Calcium	9100			P
7440-47-3	Chromium	8.2			P
7440-48-4	Cobalt	5.4	J		P
7440-50-8	Copper	9.1			P
7439-89-6	Iron	12600			P
7439-92-1	Lead	15.4			P
7439-95-4	Magnesium	4700			P
7439-96-5	Manganese	814		*	P
7439-97-6	Mercury	0.029	J		CV
7440-02-0	Nickel	9.7			P
7440-09-7	Potassium	827			P
7782-49-2	Selenium	1.2	J		P
7440-22-4	Silver	1.1	U	N	P
7440-23-5	Sodium	62.6	J		P
7440-28-0	Thallium	2.8	U	N	P
7440-62-2	Vanadium	10.4			P
7440-66-6	Zinc	55.5			P
57-12-5	Cyanide	3.0	U		AS

Color Before: black Clarity Before: n/a Texture: medium

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

ments:

3-IN
BLANKS

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: _____ SDG NO.: ME00E1

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			200.000	U	31.799	J	200.000	U			P
Antimony			60.000	U	60.000	U	60.000	U			P
Arsenic			-2.658	J	10.000	U	-2.987	J			P
Barium			200.000	U	200.000	U	200.000	U			P
Beryllium			5.000	U	5.000	U	5.000	U			P
Cadmium			5.000	U	-0.171	J	5.000	U			P
Calcium			5000.000	U	5000.000	U	5000.000	U			P
Chromium			10.000	U	10.000	U	10.000	U			P
Cobalt			50.000	U	50.000	U	50.000	U			P
Copper			25.000	U	25.000	U	25.000	U			P
[illegible]n			100.000	U	100.000	U	100.000	U			P
Lead			10.000	U	10.000	U	10.000	U			P
Magnesium			5000.000	U	5000.000	U	5000.000	U			P
Manganese			15.000	U	15.000	U	15.000	U			P
Mercury			0.200	U	0.200	U	0.200	U			CV
Nickel			40.000	U	40.000	U	40.000	U			P
Potassium			68.182	J	67.509	J	5000.000	U			P
Selenium			35.000	U	35.000	U	-5.243	J			P
Silver			10.000	U	10.000	U	10.000	U			P
Sodium			-142.253	J	-51.844	J	73.922	J			P
Thallium			14.215	J	15.452	J	8.162	J			P
Vanadium			50.000	U	50.000	U	50.000	U			P
Zinc			60.000	U	60.000	U	60.000	U			P

USEPA - CLP

3-IN
BLANKS

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: _____ SDG NO.: ME00E1

Preparation Blank Matrix (soil/water): SOIL

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

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Antimony	60.000	U	60.000	U	60.000	U	60.000	U			P
Thallium	25.000	U	6.914	J	25.000	U	5.972	J			P
Cyanide	-2.157	J	-2.157	J	-1.280	J	-1.208	J	2.500	U	AS

USEPA - CLP

5B-IN

POST-DIGESTION SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME00F6A

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: SDG NO.: ME00E1

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

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		113.47		60.00	U	120.0	95		P
Thallium		38.62		25.00	U	50.0	77		P

Comments:

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: _____ SDG NO.: ME00E1

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

Preparation Method: NP1

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

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

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: _____ SDG NO.: ME00E1

Instrument Type: CV Instrument ID: FIMS CVAA Date: 01/15/2004

Preparation Method: CS1

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

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

USEPA - CLP

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: _____ SDG NO.: ME00E1

Instrument Type: AS Instrument ID: Cyanide Date: 01/12/2004

Preparation Method: NP1

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

Analyte	Wave-Length /Mass	CRQL	MDL
Cyanide	580.00	10	0.56

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: SDG NO.: ME00E1

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

Preparation Method: DS2

Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Wave-Length /Mass	CRQL	MDL
Cyanide	580.00	2.5	0.15

USEPA - CLP

12-IN

PREPARATION LOG

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: SDG NO.: ME00E1

Preparation Method: CS1

EPA Sample No.	Preparation Date	Weight (gram)	Volume(mL)
PBS	06/28/2004	0.20	100
LCSS	06/28/2004	0.04	100
ME00E1	06/28/2004	0.21	100
ME00E2	06/28/2004	0.20	100
ME00E8	06/28/2004	0.21	100
ME00E9	06/28/2004	0.20	100
ME00F0	06/28/2004	0.19	100
ME00F1	06/28/2004	0.21	100
ME00F6	06/28/2004	0.20	100
ME00F6S	06/28/2004	0.20	100
ME00F6D	06/28/2004	0.20	100
ME00F7	06/28/2004	0.20	100
ME00F8	06/28/2004	0.19	100
ME00G2	06/28/2004	0.19	100
ME00G3	06/28/2004	0.19	100
ME00G4	06/28/2004	0.20	100

Comments:

DATE: July 13, 2004

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

Attn: Bob Casper

SITE NAME: Celotex Corporated Dump

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
32980	Ceimic	10	ME00E3	Water

==========

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

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

Data Received by:_____ Date:_____

PROBLEMS:

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

_____

_____

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

Signature:_____

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

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

JUL 16 2004

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: July 13, 2004

SUBJECT: Review of Data
Received for Review on July 8, 2004

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

TO: Data User: IEPA

The data in this case has not been validated.
We have compiled the CADRE files into a narrative format for the following case:

SITE NAME: Celotex Corporated Dump

CASE NUMBER: 32980 SDG NUMBER: ME00E3

Number and Type of Samples: 10 waters

Sample Numbers: ME00E3-6; ME00F2-5,9; ME00G0

Laboratory: Ceimic Hrs. for Review: 2

Following are our findings:

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

Case Number : 32980
Site Name: Celotex Corporated Dump

SDG Number: ME00E3
Laboratory: Ceimic

1 HOLDING TIME:

Date: 7/8/2004 Wincadre 3.1.3.2 Page: 4

Data Review Results

Lab ID: CEIMIC	Case No.: 32980	Method: ILM05	Flag :NFG
File Name: ME00E3	SDG No.: ME00E3	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Holding Time **Protocol: INORG**

DC-2 The following inorganic water samples had no pH data. Hits and non-detects are not flagged.

ME00E3
Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Cyanide

ME00E4
Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Cyanide

ME00E5
Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Cyanide

ME00E6
Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Cyanide

ME00E6D
Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Cyanide

ME00E6S
Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Cyanide

ME00F2
Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Cyanide

ME00F3
Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Cyanide

Assembled By: ESAT
Date: July 13, 2004

Case Number : 32980
Site Name: Celotex Corporated Dump

SDG Number: ME00E3
Laboratory: Ceimic

Qualification: Laboratory Blanks

Protocol: INORG

C-2 The following inorganic samples are associated with initial or continuing calibration blanks which were not run in the required analytical frequency. Hits and non-detects are not flagged.

Cyanide
ME00E3, ME00E4, ME00E5, ME00E6, ME00F2, ME00F3, ME00F9

DC-15 The following inorganic samples are associated with an ICB concentration which is less than or equal to the CRQL. Detected sample result is also less than or equal to the CRQL. Hits are qualified "U". Sample result is raised to the CRQL if "Raise to detection limit" option is selected by the validator.

Thallium
ME00E3, ME00E4, ME00E5, ME00E6, ME00F2, ME00F3, ME00F4, ME00F5, ME00F9, ME00G0

DC-18 The following inorganic samples are associated with a CCB concentration which is less than or equal to the CRQL. Sample result is also less than or equal to the CRQL. Hits are qualified "U". Sample result is raised to the CRQL if "Raise to detection limit" option is selected by the validator.

Potassium
ME00E5, ME00E6

Selenium
ME00E5, ME00E6, ME00F2, ME00F3, ME00F4, ME00F5, ME00F9, ME00G0

Thallium
ME00E3, ME00E4, ME00E5, ME00E6

DC-19 The following inorganic samples are associated with a CCB concentration which is less than or equal to the CRQL. Sample result is greater than the CRQL. Use professional judgement to qualify data.

Potassium
ME00E4

DC-21 The following inorganic samples are associated with an ICB analyte with negative concentration whose absolute value is greater than or equal to the method detection limit (MDL) but less than or equal to the CRQL. Use professional judgement to qualify sample data.

Arsenic
ME00E3, ME00E4, ME00E5, ME00E6, ME00F2, ME00F3, ME00F4, ME00F5, ME00F9, ME00G0

Silver
ME00E3, ME00E4, ME00E5, ME00E6, ME00F2, ME00F3, ME00F4, ME00F5, ME00F9, ME00G0

Sodium
ME00E3, ME00E4, ME00E5, ME00E6, ME00F2, ME00F3, ME00F4, ME00F5, ME00F9, ME00G0

DC-22 The following inorganic samples are associated with a CCB analyte with negative concentration whose absolute value is greater than or equal to the method detection limit (MDL) but less than or equal to the CRQL. Use professional judgement to qualify sample data.

Assembled By: ESAT
Date: July 13, 2004

Data Review Results

Lab ID: CEIMIC	Case No.: 32980	Method: ILM05	Flag :NFG
File Name: ME00E3	SDG No.: ME00E3	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Interference Check Sample **Protocol: INORG**

DC-6 The following inorganic samples have elements other than Al, Ca, Fe, and Mg at concentrations higher than 10 mg/L that may cause potential interference. Use professional judgement to qualify sample data.

ME00F2
Potassium, Sodium

ME00F3
Potassium, Sodium

ME00F4
Potassium, Sodium

ME00F5
Potassium, Sodium

ME00F9
Potassium, Sodium

ME00G0
Potassium, Sodium

DC-10 The following inorganic samples have one or more interferents present at concentrations more than true amounts added in the ICS solution. Use professional judgement to qualify sample data.

ME00F9, ME00G0

DC-14 The following inorganic samples are associated with an interference check sample (ICS) that has analyte percent recovery outside expanded low criteria. Interferant concentration in the sample is comparable to that in the ICS. Hits and non-detects are qualified "R".

Cobalt
ME00F2, ME00F3, ME00F4, ME00F5, ME00F9, ME00G0

Data Review Results

Lab ID: CEIMIC	Case No.: 32980	Method: ILM05	Flag :NFG
File Name: ME00E3	SDG No.: ME00E3	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Serial Dilution **Protocol: INORG**

DC-4 The following inorganic samples are associated with an ICP serial dilution percent difference which is not in criteria. The serial dilution result is greater than the sample result, indicating a potential negative interference. The data must be qualified using professional judgement. Hits and non-detects are not flagged.

Calcium
ME00E3, ME00E4, ME00E5, ME00E6, ME00F2, ME00F3, ME00F4, ME00F5, ME00F9, ME00G0

Sodium
ME00E3, ME00E4, ME00E5, ME00E6, ME00F2, ME00F3, ME00F4, ME00F5, ME00F9, ME00G0

Assembled By: ESAT
Date: July 13, 2004

ILM05.3 Data Qualifier Sheet

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

Analytical Results (Qualified Data)

Case #: 32980 SDG : ME00E3
Site : CELOTEX CORP DUMP SITE
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	ME00F3		ME00F4		ME00F5		ME00F9		ME00G0	
Sampling Location :	G102		G101F		G102F		G103		G103F	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/15/2004		6/15/2004		6/15/2004		6/9/2004		6/16/2004	
Time Sampled :	13:15		13:15		13:15		11:00		11:00	
%Solids :	0.0		0.0		0.0		0.0		0.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	222		200	U	200	U	3930		238	
ANTIMONY	60.0	U	60.0	U	60.0	U	60.0	U	60.0	U
ARSENIC	17.5		15.7		11.7		246		240	
BARIUM	222		213		223		301		197	J
BERYLLIUM	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CADMIUM	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CALCIUM	190000		187000		194000		338000		338000	
CHROMIUM	8.2	J	4.3	J	4.3	J	148		22.8	
COBALT	50.0	R	50.0	R	50.0	R	37.0	R	30.5	R
COPPER	4.7	J	2.7	J	2.9	J	26.3		4.6	J
IRON	36100		34200		35800		57800		46100	
LEAD	10.0	U	10.0	U	10.0	U	26.5		10.0	U
MAGNESIUM	45300		43900		45900		96200		91800	
MANGANESE	1080		1030		1080		2440		2210	
MERCURY	0.10	J	0.080	J	0.030	J	0.34		0.040	J
NICKEL	4.8	J	2.1	J	2.3	J	126		58.5	
POTASSIUM	17000		16800		17400		46500		49100	
SELENIUM	10.9	UJ	11.4	UJ	8.7	UJ	17.5	UJ	25.1	UJ
SILVER	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
SODIUM	72500		69600		72600		478000		532000	
THALLIUM	8.5	UJ	9.2	UJ	14.2	UJ	23.2	UJ	19.5	UJ
VANADIUM	1.8	J	50.0	U	50.0	U	11.0	J	4.6	J
ZINC	75.6		23.2	J	26.3	J	1690		1020	
CYANIDE	10.0	U					5.1	J		

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

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

Case No: 32980
DAS No:
SDG No: ME00E3/ME00E1 L

Date Shipped:	6/16/2004
Carrier Name:	UPS
Airbill:	1Z6215892210024562
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Sampler Signature: James M Salch

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 James M. Salch	6/16/04 14:50	Elizabeth Astuig	06/17/04 10:00
2 EA		06/17/04	
3			
4			

For Lab Use Only

Lab Contract No:	68W02063
Unit Price:	A/5
Transfer To:	EA 06/17/04
Lab Contract No:	
Unit Price:	

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
ME00E1	Soil/Sediment/ Jim Salch	L/G	TM/CN (21)	5-277701 (Ice Only) (1)	X201	S: 6/14/2004	13:45	E00E1	
ME00E2	Soil/Sediment/ Jim Salch	L/G	TM/CN (21)	5-277705 (Ice Only) (1)	X202	S: 6/14/2004	11:30	E00E2	
ME00E8	Soil/Sediment/ Jim Salch	L/G	TM/CN (21)	5-277747 (Ice Only) (1)	X101A	S: 6/8/2004	13:30	E00E8	
ME00E9	Soil/Sediment/ Jim Salch	L/G	TM/CN (21)	5-277749 (Ice Only) (1)	X101B	S: 6/8/2004	13:40	E00E9	
ME00F0	Soil/Sediment/ Jim Salch	L/G	TM/CN (21)	5-277751 (Ice Only) (1)	X102A	S: 6/8/2004	16:30	E00F0	
ME00F1	Soil/Sediment/ Jim Salch	L/G	TM/CN (21)	5-277753 (Ice Only) (1)	X102B	S: 6/8/2004	16:35	E00F1	
ME00F2	Ground Water/ Jim Salch	L/G	CN (21), TM (21)	5-277759 (HNO3), 5-277760 (NaOH) (2)	G101	S: 6/15/2004	13:15	E00F2	
ME00F3	Ground Water/ Jim Salch	L/G	CN (21), TM (21)	5-277765 (HNO3), 5-277766 (NaOH) (2)	G102	S: 6/15/2004	13:15	E00F3	
ME00F4	Ground Water/ Jim Salch	L/G	TM (21)	5-277767 (HNO3) (1)	G101F	S: 6/15/2004	13:15		
ME00F5	Ground Water/ Jim Salch	L/G	TM (21)	5-277768 (HNO3) (1)	G102F	S: 6/15/2004	13:15		

EA 06/17/04

Shipment for Case Complete?Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
	ME00F9, ME00G0	EA 06/17/04	6°C, 6°C	82729, 82730

Analysis Key: Concentration: L = Low, M = Low/Medium, H = High Type/Designate: Composite = C, Grab = G Custody Seal Intact? ✓ Shipment Iced? ✓

CN = Cyanide, TM = CLP TAL Total Metals, TM/CN = CLP TAL Total Metals and Cyanide

TR Number: 5-314975591-061604-0001

LABORATORY COPY

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

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

Case No: 32980
DAS No:
SDG No: ME00E3

L

Date Shipped:	6/14/2004
Carrier Name:	UPS
Airbill:	1Z6215892210024606
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Sampler Signature: Jim Salch

Relinquished By	(Date / Time)	Received By	(Date / Time)
Tony Wasilewski	6/14-04/1800	Joseph B	06/15/04 1000
2			
3			
4			

JB 06/15/04

For Lab Use Only

Lab Contract No: 68W02063
Unit Price: A/5
Transfer To: JB 06/15/04
Lab Contract No:
Unit Price:

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
ME00E3	Surface Water/ Jim Salch	L/G	CN (21), TM (21)	5-277709 (HNO3), 5-277710 (NaOH) (2)	FB	S: 6/14/2004	13:00	E00E3	
ME00E4	Surface Water/ Jim Salch	L/G	CN (21), TM (21)	5-277715 (HNO3), 5-277716 (HNO3), 5-277717 (HNO3), 5-277718 (NaOH), 5-277719 (NaOH), 5-277720 (NaOH) (6)	S101	S: 6/7/2004	12:45	E00E4	
ME00E5	Surface Water/ Jim Salch	L/G	CN (21), TM (21)	5-277733 (HNO3), 5-277734 (NaOH) (2)	S102	S: 6/14/2004	11:00	E00E5	
ME00E6	Surface Water/ Jim Salch	L/G	CN (21), TM (21)	5-277739 (HNO3), 5-277740 (NaOH) (2)	S103	S: 6/7/2004	11:00	E00E6	

JB 06/15/04

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC: ME00E4, ME00E6	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 2° C	Chain of Custody Seal Number: 82728
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced? ✓
CN = Cyanide, TM = CLP TAL Total Metals				

COTR Number: 5-314975591-061404-0001

LABORATORY COPY

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

collected and processed with incorrect information (such as sample information, standard nomenclature) or settings (such as background correction, internal standard, dilution factor, QC concentration, wrong IEC table, etc.)

QA/QC Samples:

Laboratory QC analyses were designated for four samples in this SDG on the Traffic Reports / Chains of Custody. After consultation with Ms. Brown, matrix spike and duplicate analysis – as well as ICP serial dilution – were performed only on sample ME00E6. A post-digestion spike was not required for this SDG.

Observations:

A "U" flag in the C column on the sample result forms (Form IA-IN) indicates that the concentration of that analyte in the sample is undetected at the experimentally-determined method detection limit (MDL). If analytes are detected at concentrations between the Contract Required Quantitation Limit (CRQL) and the MDL, a "J" flag is shown in the C column on the Form IA-IN.

The "N" and "*" qualifiers do not apply to this SDG. The "E" qualifier applies to Calcium and Sodium for high concentration difference between sample ME00E6 and its serial dilution. No analyte is detected in any sample in this SDG at a concentration exceeding the linear range concentration of the appropriate instrument.

All target analytes for this SDG are monitored and reported on Form IIB-IN for the CRQL Check (CRI) standards, although seven elements (Al, Ba, Ca, Fe, Mg, Na, and K) do not require monitoring.

Deviations from Contract:

None.

End of SDG Narrative.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Ryan C. Montalbano

Ryan Montalbano
Supervisor, Inorganic Laboratories

07/07/2004
Date

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00E3

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: SDG NO.: ME00E3

Matrix (soil/water): WATER Lab Sample ID: 040558-01

Level (low/med): LOW Date Received: 06/15/2004

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	0.97	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	99.2	J	E	P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	2.8	J		P
7439-89-6	Iron	38.1	J		P
7439-92-1	Lead	10.0	U		P
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese	15.0	U		P
7439-97-6	Mercury	0.058	J		CV
7440-02-0	Nickel	3.9	J		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	417	J	E	P
7440-28-0	Thallium	10.1	J		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0	U		P
57-12-5	Cyanide	10.0	U		AS

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

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

ments:

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00E5

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: SDG NO.: ME00E3

Matrix (soil/water): WATER Lab Sample ID: 040558-03

Level (low/med): LOW Date Received: 06/15/2004

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2160			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.9			P
7440-39-3	Barium	49.3	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	54000		E	P
7440-47-3	Chromium	2.8	J		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	5.1	J		P
7439-89-6	Iron	2110			P
7439-92-1	Lead	10.0	U		P
7439-95-4	Magnesium	22800			P
7439-96-5	Manganese	49.0			P
7439-97-6	Mercury	0.34			CV
7440-02-0	Nickel	3.7	J		P
7440-09-7	Potassium	3300	J		P
7782-49-2	Selenium	18.3	J		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	7890		E	P
7440-28-0	Thallium	12.8	J		P
7440-62-2	Vanadium	3.8	J		P
7440-66-6	Zinc	60.0	U		P
57-12-5	Cyanide	10.0	U		AS

Color Before: yellow Clarity Before: cloudy Texture: n/a

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

nents:

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00F2

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: SDG NO.: ME00E3

Matrix (soil/water): WATER Lab Sample ID: 040558-05

Level (low/med): LOW Date Received: 06/17/2004

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	455			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	20.6			P
7440-39-3	Barium	222			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	204000		E	P
7440-47-3	Chromium	16.0			P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	5.6	J		P
7439-89-6	Iron	40100			P
7439-92-1	Lead	7.9	J		P
7439-95-4	Magnesium	46900			P
7439-96-5	Manganese	1200			P
7439-97-6	Mercury	0.21			CV
7440-02-0	Nickel	10.3	J		P
7440-09-7	Potassium	18100			P
7782-49-2	Selenium	14.2	J		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	79700		E	P
7440-28-0	Thallium	17.2	J		P
7440-62-2	Vanadium	3.0	J		P
7440-66-6	Zinc	153			P
57-12-5	Cyanide	10.0	U		AS

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

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

Comments:

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00F4

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: SDG NO.: ME00E3

Matrix (soil/water): WATER Lab Sample ID: 040558-07

Level (low/med): LOW Date Received: 06/17/2004

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	15.7			P
7440-39-3	Barium	213			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	187000		E	P
7440-47-3	Chromium	4.3	J		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	2.7	J		P
7439-89-6	Iron	34200			P
7439-92-1	Lead	10.0	U		P
7439-95-4	Magnesium	43900			P
7439-96-5	Manganese	1030			P
7439-97-6	Mercury	0.077	J		CV
7440-02-0	Nickel	2.1	J		P
7440-09-7	Potassium	16800			P
7782-49-2	Selenium	11.4	J		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	69600		E	P
7440-28-0	Thallium	9.2	J		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	23.2	J		P

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

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

Comments:

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00F9

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: SDG NO.: ME00E3

Matrix (soil/water): WATER Lab Sample ID: 040558-09

Level (low/med): LOW Date Received: 06/17/2004

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3930			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	246			P
7440-39-3	Barium	301			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	338000		E	P
7440-47-3	Chromium	148			P
7440-48-4	Cobalt	37.0	J		P
7440-50-8	Copper	26.3			P
7439-89-6	Iron	57800			P
7439-92-1	Lead	26.5			P
7439-95-4	Magnesium	96200			P
7439-96-5	Manganese	2440			P
7439-97-6	Mercury	0.34			CV
7440-02-0	Nickel	126			P
7440-09-7	Potassium	46500			P
7782-49-2	Selenium	17.5	J		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	478000		E	P
7440-28-0	Thallium	23.2	J		P
7440-62-2	Vanadium	11.0	J		P
7440-66-6	Zinc	1690			P
57-12-5	Cyanide	5.1	J		AS

Color Before: brown Clarity Before: cloudy Texture: n/a

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

Comments:

USEPA - CLP

3-IN
BLANKS

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: SDG NO.: ME00E3

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum	200.000	U	200.000	U	200.000	U	200.000	U	200.000	U	P
Antimony	60.000	U	60.000	U	60.000	U	60.000	U	60.000	U	P
Arsenic	-3.215	J	-2.774	J	-2.524	J	-1.604	J	10.000	U	P
Barium	200.000	U	200.000	U	200.000	U	200.000	U	200.000	U	P
Beryllium	5.000	U	5.000	U	5.000	U	5.000	U	5.000	U	P
Cadmium	5.000	U	5.000	U	5.000	U	-0.211	J	5.000	U	P
Calcium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	104.881	J	P
Chromium	10.000	U	10.000	U	10.000	U	10.000	U	10.000	U	P
Cobalt	50.000	U	50.000	U	-0.560	J	50.000	U	50.000	U	P
Copper	25.000	U	25.000	U	25.000	U	25.000	U	25.000	U	P
Iron	100.000	U	100.000	U	100.000	U	100.000	U	100.000	U	P
Lead	10.000	U	10.000	U	10.000	U	10.000	U	10.000	U	P
Magnesium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	5000.000	U	P
Manganese	15.000	U	15.000	U	15.000	U	15.000	U	15.000	U	P
Mercury	0.200	U	0.200	U	0.200	U	0.200	U	0.026	J	CV
Nickel	40.000	U	40.000	U	40.000	U	40.000	U	40.000	U	P
Potassium	5000.000	U	48.362	J	5000.000	U	5000.000	U	5000.000	U	P
Selenium	35.000	U	6.036	J	4.720	J	3.342	J	35.000	U	P
Silver	-1.097	J	10.000	U	-0.922	J	-1.591	J	10.000	U	P
Sodium	-30.975	J	5000.000	U	5000.000	U	5000.000	U	306.163	J	P
Thallium	8.500	J	7.778	J	25.000	U	25.000	U	9.645	J	P
Vanadium	50.000	U	50.000	U	50.000	U	50.000	U	50.000	U	P
Zinc	60.000	U	60.000	U	60.000	U	60.000	U	60.000	U	P
Cyanide	-2.193	J	-1.428	J	-0.994	J	-1.097	J	10.000	U	AS

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6-IN

DUPLICATES

EPA SAMPLE NO.

ME00E6D

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: _____ SDG NO.: ME00E3

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

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		1959.6670		1615.2060		19		P
Antimony		60.0000	U	60.0000	U			P
Arsenic		11.0122		7.3944	J	39		P
Barium		49.2240	J	47.6855	J	3		P
Beryllium		5.0000	U	5.0000	U			P
Cadmium		5.0000	U	5.0000	U			P
Calcium		54484.9800		55574.6900		2		P
Chromium		2.3268	J	2.4905	J	7		P
Cobalt		50.0000	U	50.0000	U			P
Copper		4.6285	J	5.3080	J	14		P
Iron		2080.4760		2024.1640		3		P
Lead		10.0000	U	10.0000	U			P
Magnesium	5000.0000	23452.3500		23439.0300		0		P
Manganese	15.0000	48.8749		50.0839		2		P
Mercury		0.0270	J	0.1536	J	140		CV
Nickel		3.1134	J	2.6214	J	17		P
Potassium		3396.7400	J	3210.3470	J	6		P
Selenium		7.8326	J	9.4831	J	19		P
Silver		10.0000	U	10.0000	U			P
Sodium	5000.0000	8104.8040		8326.5690		3		P
Thallium		10.8661	J	18.3366	J	51		P
Vanadium		3.2681	J	3.4362	J	5		P
Zinc		60.0000	U	60.0000	U			P
Cyanide		10.0000	U	1.0880	J	200		AS

USEPA - CLP

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: SDG NO.: ME00E3

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

Preparation Method: NP1

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

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

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: SDG NO.: ME00E3

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

Preparation Method: CW1

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

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

USEPA - CLP

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

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

Lab Code: CEIMIC Case No.: 32980 NRAS No.: SDG NO.: ME00E3

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

Preparation Method: DW2

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

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

DATE: July 21, 2004

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

Attn: Bob Casper

SITE NAME: Celotex Corporated Dump

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
32980	Compuchem	9	E00E3	Water

==========

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

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

Data Received by:_____ Date:_____

PROBLEMS:

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

_____

_____

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

Signature:_____

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

JUL 2 3 20[illegible]

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
SUPERFUND DIVISION

DATE: _____

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

Received for Review on July 14, 2004

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

TO: Data User: IEPA

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

SITE NAME: Celotex Corporated Dump (IL)

CASE NUMBER: 32980 SDG NUMBER: E00E3

Number and Type of Samples: 9 (Waters)

Sample Numbers: E00E3 through E00E7, E00F2, E00F3, E00F9, E00G1

Laboratory: CompuChem - Liberty Hrs. for Review: _____

Following are our findings:

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

Case Number : 32980 **SDG Number: E00E3**
Site Name: Celotex Corporated Dump (IL) **Laboratory: CompuChem**

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

Nine (9) water samples, numbered E00E3 through E00E7, E00F2, E00F3, E00F9 and E00G1 were collected on June 7, 9 and 14 to 16, 2004. The lab received the samples on June 15 and 17, 2004 in good condition. All samples were analyzed for the full list of organic analytes except E00E7 and E00G1. Samples E00E7 and E00G1 were analyzed for only the volatile list of organic analytes. All were analyzed according to CLP SOW OLM04.3.

Case Number : 32980 **SDG Number: E00E3**
Si[illegible] Name: Celotex Corporated Dump (IL) **Laboratory: CompuChem**

1. HOLDING TIME

Qualification: Holding Time **Protocol: VOA**

DC-11 The following preserved volatile water samples are outside primary holding time criteria. Hits are qualified "J" and non-detects are qualified "UJ".

E00F9

Qualification: Holding Time **Protocol: BNA**

DC-2 The following semivolatile water samples are outside primary extraction holding time criteria. Hits are qualified "J" and non-detects are qualified "UJ".

E00E4, E00E4MS, E00E4MSD, E00E6, E00F9

Qualification: Holding Time **Protocol: PES**

DC-2 The following pesticide water samples are outside primary extraction holding time criteria. Hits are qualified "J" and non-detects are qualified "UJ".

E00E4, E00E4MS, E00E4MSD, E00E6, E00F9

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No defects found.

3. CALIBRATION

Qualification: Calibrations **Protocol: VOA**

DC-6 The following volatile samples are associated with an initial calibration percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are flagged "UJ".

Acetone
E00F2, E00F3, E00F9, E00G1, VBLKZR, VHBLKZQ

DC-8 The following volatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

Acetone
E00E3, E00E4, E00E4MS, E00E4MSD, E00E5, E00E6, E00E7, E00F2, E00F3, E00F9,

Case Number : 32980 **SDG Number: E00E3**
Si+- Name: Celotex Corporated Dump (IL) **Laboratory: CompuChem**

E00G1, VBLKSJ, VBLKZR, VHBLKZQ

Qualification: Calibrations **Protocol: BNA**

DC-11 The following semivolatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

2,4-Dinitrophenol, 4-Nitrophenol, Fluorene, 4-Chlorophenyl-phenylether, 3,3-Dichlorobenzidine
E00E3, E00E4, E00E4MS, E00E4MSD, E00E5, E00E6, E00F2, E00F3, E00F9, SBLKTK

Qualification: Calibrations **Protocol: PES**

No defects found.

4. BLANKS

Qualification: Laboratory Blanks **Protocol: VOA**

DC-6 The following volatile samples have analyte concentrations reported above the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Hits are qualified "U" and non-detects are not flagged.

Acetone, 2-Butanone
E00F9

DC-13 The following volatile samples have analyte concentrations reported below the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U" and non-detects are not flagged.

Acetone, 2-Butanone
E00F2, E00F3, E00G1

Methylene Chloride
E00F2, E00F9

DC-19 The following volatile samples are associated with a contaminated storage blank. Hits are qualified "J" and non-detects are not flagged.

Acetone
E00F2, E00F3, E00F9, E00G1

Case Number : 32980 **SDG Number: E00E3**
Site Name: Celotex Corporated Dump (IL) **Laboratory: CompuChem**

Methylene Chloride
E00F2, E00F9

Qualification: Laboratory Blanks **Protocol: BNA**

No defects found.

Qualification: Laboratory Blanks **Protocol: PES**

No defects found.

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

No defects found.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Qualification: Matrix Spikes **Protocol: VOA**

No defects found.

Qualification: Matrix Spikes **Protocol: BNA**

DC-2 The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery outside criteria. Results for the outlier compound(s) in the unspiked sample E00E4 are estimated, "J" and non-detects are estimated, "UJ".

E00E4MS
4-Nitrophenol

Qualification: Matrix Spikes **Protocol: PES**

DC-1 The relative percent difference (RPD) between the following pesticide matrix spike and matrix spike duplicate recoveries is outside criteria. Results for the outlier compound(s) in the unspiked sample E00E4 are estimated, "J" and non-detects are estimated, "UJ".

E00E4MS, E00E4MSD
gamma-BHC (Lindane), Heptachlor, Aldrin, Dieldrin, Endrin, 4,4-DDT

DC-2 The following pesticide matrix spike/matrix spike duplicate samples have percent recovery outside criteria. Results for the outlier compound(s) in the unspiked sample E00E4 are estimated, "J" and non-detects are estimated, "UJ".

Case Number : 32980 **SDG Number: E00E3**
Site Name: Celotex Corporated Dump (IL) **Laboratory: CompuChem**

E00E4MSD
gamma-BHC (Lindane), Heptachlor, Aldrin, Dieldrin, Endrin, 4,4-DDT

7. FIELD BLANK AND FIELD DUPLICATE

Sample E00E3 is a field blank. Sample E00F3 may be a field duplicate of Sample E00F2 since they have the same date and time samples were taken. Samples E00E7 and E00G1 are trip blanks. Results are not qualified based upon the results of the field blank or field duplicates.

8. INTERNAL STANDARDS

No defects found.

9. COMPOUND IDENTIFICATION

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

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

Qualification: Detection Limit **Protocol: VOA**

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

E00F9
Methyl Acetate, Toluene

E00G1
Acetone, 2-Butanone

VBLKZR
Acetone, Methylene Chloride, 2-Butanone

VHBLKZQ
Acetone, Methylene Chloride

Qualification: Detection Limit **Protocol: BNA**

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

Case Number : 32980
Site Name: Celotex Corporated Dump (IL)

SDG Number: E00E3
Laboratory: CompuChem

E00E3, E00E4, E00F9
bis(2-Ethylhexyl)phthalate

E00E4MS, E00E5, E00E6
Atrazine

E00F2
Phenol

E00F3
Phenol, 4-Methylphenol

Qualification: Detection Limit **Protocol: PES**

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

E00E4MS
4,4-DDD, Endrin ketone, Endrin aldehyde

E00E4MSD
4,4-DDD, Endrin ketone, Endrin aldehyde, alpha-Chlordane

E00F2
beta-BHC

E00F3
gamma-Chlordane

E00F9
delta-BHC

DC-3 The following pesticide samples have analytes for which the percent difference between columm results exceeds primary criteria. Professional judgement should be used to qualify the data.

E00E4MS
4,4-DDD, Endrin aldehyde

E00E4MSD
4,4-DDD, Endrin aldehyde, alpha-Chlordane

E00F2
beta-BHC

Case Number : 32980
Site Name: Celotex Corporated Dump (IL)

SDG Number: E00E3
Laboratory: CompuChem

E00F9
beta-BHC, delta-BHC

DC-5 Adjusted CRQL values of the following pesticide samples are less than the contract specified CRQLs. The contract specified CRQL values are used by CADRE during data validation and reported for non-detected compounds.

E00F3, E00F9

11. SYSTEM PERFORMANCE

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

12. ADDITIONAL INFORMATION

Qualification: CADRE Reserved **Protocol: VOA**

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E00E3, E00E4, E00E4MS, E00E4MSD, E00E5, E00E6, E00E7, E00F2, E00F3, E00F9, E00G1, VBLKSJ, VBLKZR, VHBLKZQ

Qualification: CADRE Reserved **Protocol: BNA**

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E00E3, E00E4, E00E4MS, E00E4MSD, E00E5, E00E6, E00F2, E00F3, E00F9, SBLKTK

Qualification: CADRE Reserved **Protocol: PES**

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E00E3, E00E4, E00E4MS, E00E4MSD, E00E5, E00E6, E00F2, E00F3, E00F9, PBLKST

CADRE Data Qualifier Sheet

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

Analytical Results (Qualified Data)

Case #: 32980
SDG : E00E3
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Number of Soil Samples : 0
Number of Water Samples : 9

Sample Number :	E00E3		E00E4		E00E4MS		E00E4MSD		E00E5	
Sampling Location :	FB		S101		S101		S101		S102	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/14/2004		6/7/2004		6/7/2004		6/7/2004		6/14/2004	
Time Sampled :	13:00		12:45		12:45		12:45		11:00	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	10	U	10	U	10	U	10	U	10	U
CHLOROMETHANE	10	U	10	U	10	U	10	U	10	U
VINYL CHLORIDE	10	U	10	U	10	U	10	U	10	U
BROMOMETHANE	10	U	10	U	10	U	10	U	10	U
CHLOROETHANE	10	U	10	U	10	U	10	U	10	U
TRICHLOROFLUOROMETHANE	10	U	10	U	10	U	10	U	10	U
1,1-DICHLOROETHENE	10	U	10	U	43		48		10	U
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	10	U	10	U	10	U	10	U	10	U
ACETONE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
CARBON DISULFIDE	10	U	10	U	10	U	10	U	10	U
METHYL ACETATE	10	U	10	U	10	U	10	U	10	U
METHYLENE CHLORIDE	10	U	10	U	10	U	10	U	10	U
TRANS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U	10	U
METHYL TERT-BUTYL ETHER	10	U	10	U	10	U	10	U	10	U
1,1-DICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
CIS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U	10	U
2-BUTANONE	10	U	10	U	10	U	10	U	10	U
CHLOROFORM	10	U	10	U	10	U	10	U	10	U
1,1,1-TRICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
CYCLOHEXANE	10	U	10	U	10	U	10	U	10	U
CARBON TETRACHLORIDE	10	U	10	U	10	U	10	U	10	U
BENZENE	10	U	10	U	51		53		10	U
1,2-DICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
TRICHLOROETHENE	10	U	10	U	46		48		10	U
METHYLCYCLOHEXANE	10	U	10	U	10	U	10	U	10	U
1,2-DICHLOROPROPANE	10	U	10	U	10	U	10	U	10	U
BROMODICHLOROMETHANE	10	U	10	U	10	U	10	U	10	U
CIS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U	10	U
4-METHYL-2-PENTANONE	10	U	10	U	10	U	10	U	10	U
TOLUENE	10	U	10	U	50		48		10	U
TRANS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U	10	U
1,1,2-TRICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
TETRACHLOROETHENE	10	U	10	U	10	U	10	U	10	U

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

Analytical Results (Qualified Data)

Case #: 32980 SDG : E00E3
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	E00E3		E00E4		E00E4MS		E00E4MSD		E00E5	
Sampling Location :	FB		S101		S101		S101		S102	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/14/2004		6/7/2004		6/7/2004		6/7/2004		6/14/2004	
Time Sampled :	13:00		12:45		12:45		12:45		11:00	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	U	10	U	10	U	10	U	10	U
DIBROMOCHLOROMETHANE	10	U	10	U	10	U	10	U	10	U
1,2-DIBROMOETHANE	10	U	10	U	10	U	10	U	10	U
CHLOROBENZENE	10	U	10	U	50		50		10	U
ETHYLBENZENE	10	U	10	U	10	U	10	U	10	U
XYLENES (TOTAL)	10	U	10	U	10	U	10	U	10	U
STYRENE	10	U	10	U	10	U	10	U	10	U
BROMOFORM	10	U	10	U	10	U	10	U	10	U
ISOPROPYLBENZENE	10	U	10	U	10	U	10	U	10	U
1,1,2,2-TETRACHLOROETHANE	10	U	10	U	10	U	10	U	10	U
1,3-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
1,4-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
1,2-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
1,2-DIBROMO-3-CHLOROPROPANE	10	U	10	U	10	U	10	U	10	U
1,2,4-TRICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U

Analytical Results (Qualified Data)

Case #: 32980 SDG : E00E3
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	E00E6		E00E7		E00F2		E00F3		E00F9	
Sampling Location :	S103		TB1		G101		G102		G103	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/7/2004		6/14/2004		6/15/2004		6/15/2004		6/9/2004	
Time Sampled :	11:00		16:00		13:15		13:15		11:00	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	10	U	10	U	10	U	10	U	10	UJ
CHLOROMETHANE	10	U	10	U	10	U	10	U	10	UJ
VINYL CHLORIDE	10	U	10	U	10	U	10	U	10	UJ
BROMOMETHANE	10	U	10	U	10	U	10	U	10	UJ
CHLOROETHANE	10	U	10	U	10	U	10	U	10	UJ
TRICHLOROFLUOROMETHANE	10	U	10	U	10	U	10	U	10	UJ
1,1-DICHLOROETHENE	10	U	10	U	10	U	10	U	10	UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	10	U	10	U	10	U	10	U	10	UJ
ACETONE	10	UJ	10	UJ	10	UJ	10	UJ	34	UJ
CARBON DISULFIDE	10	U	10	U	10	U	10	U	10	UJ
METHYL ACETATE	10	U	10	U	10	U	10	U	2	J
METHYLENE CHLORIDE	10	U	10	U	10	UJ	10	U	10	UJ
TRANS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U	10	UJ
METHYL TERT-BUTYL ETHER	10	U	10	U	10	U	10	U	10	UJ
1,1-DICHLOROETHANE	10	U	10	U	10	U	10	U	10	UJ
CIS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U	10	UJ
2-BUTANONE	10	U	10	U	10	UJ	10	UJ	13	UJ
CHLOROFORM	10	U	10	U	10	U	10	U	10	UJ
1,1,1-TRICHLOROETHANE	10	U	10	U	10	U	10	U	10	UJ
CYCLOHEXANE	10	U	10	U	10	U	10	U	10	UJ
CARBON TETRACHLORIDE	10	U	10	U	10	U	10	U	10	UJ
BENZENE	10	U	10	U	10	U	10	U	10	UJ
1,2-DICHLOROETHANE	10	U	10	U	10	U	10	U	10	UJ
TRICHLOROETHENE	10	U	10	U	10	U	10	U	10	UJ
METHYLCYCLOHEXANE	10	U	10	U	10	U	10	U	10	UJ
1,2-DICHLOROPROPANE	10	U	10	U	10	U	10	U	10	UJ
BROMODICHLOROMETHANE	10	U	10	U	10	U	10	U	10	UJ
CIS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U	10	UJ
4-METHYL-2-PENTANONE	10	U	10	U	10	U	10	U	10	UJ
TOLUENE	10	U	10	U	10	U	10	U	1	J
TRANS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U	10	UJ
1,1,2-TRICHLOROETHANE	10	U	10	U	10	U	10	U	10	UJ
TETRACHLOROETHENE	10	U	10	U	10	U	10	U	10	UJ

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Analytical Results (Qualified Data)

Case #: 32980
SDG : E00E3
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	E00E6		E00E7		E00F2		E00F3		E00F9	
Sampling Location :	S103		TB1		G101		G102		G103	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/7/2004		6/14/2004		6/15/2004		6/15/2004		6/9/2004	
Time Sampled :	11:00		16:00		13:15		13:15		11:00	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	U	10	U	10	U	10	U	10	UJ
DIBROMOCHLOROMETHANE	10	U	10	U	10	U	10	U	10	UJ
1,2-DIBROMOETHANE	10	U	10	U	10	U	10	U	10	UJ
CHLOROBENZENE	10	U	10	U	10	U	10	U	10	UJ
ETHYLBENZENE	10	U	10	U	10	U	10	U	10	UJ
XYLENES (TOTAL)	10	U	10	U	10	U	10	U	10	UJ
STYRENE	10	U	10	U	10	U	10	U	10	UJ
BROMOFORM	10	U	10	U	10	U	10	U	10	UJ
ISOPROPYLBENZENE	10	U	10	U	10	U	10	U	10	UJ
1,1,2,2-TETRACHLOROETHANE	10	U	10	U	10	U	10	U	10	UJ
1,3-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	UJ
1,4-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	UJ
1,2-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	UJ
1,2-DIBROMO-3-CHLOROPROPANE	10	U	10	U	10	U	10	U	10	UJ
1,2,4-TRICHLOROBENZENE	10	U	10	U	10	U	10	U	10	UJ

Analytical Results (Qualified Data)

Case #: 32980 SDG : E00E3
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	E00G1		VBLKSJ		VBLKZR		VHBLKZQ			
Sampling Location :	TB2									
Matrix :	Water		Water		Water		Water			
Units :	ug/L		ug/L		ug/L		ug/L			
Date Sampled :	6/16/2004									
Time Sampled :	11:00									
%Moisture :	N/A		N/A		N/A		N/A			
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0			
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	10	U	10	U	10	U	10	U		
CHLOROMETHANE	10	U	10	U	10	U	10	U		
VINYL CHLORIDE	10	U	10	U	10	U	10	U		
BROMOMETHANE	10	U	10	U	10	U	10	U		
CHLOROETHANE	10	U	10	U	10	U	10	U		
TRICHLOROFLUOROMETHANE	10	U	10	U	10	U	10	U		
1,1-DICHLOROETHENE	10	U	10	U	10	U	10	U		
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	10	U	10	U	10	U	10	U		
ACETONE	10	UJ	10	UJ	7	J	5	J		
CARBON DISULFIDE	10	U	10	U	10	U	10	U		
METHYL ACETATE	10	U	10	U	10	U	10	U		
METHYLENE CHLORIDE	10	U	10	U	2	J	1	J		
TRANS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U		
METHYL TERT-BUTYL ETHER	10	U	10	U	10	U	10	U		
1,1-DICHLOROETHANE	10	U	10	U	10	U	10	U		
CIS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U		
2-BUTANONE	10	UJ	10	U	3	J	10	U		
CHLOROFORM	10	U	10	U	10	U	10	U		
1,1,1-TRICHLOROETHANE	10	U	10	U	10	U	10	U		
CYCLOHEXANE	10	U	10	U	10	U	10	U		
CARBON TETRACHLORIDE	10	U	10	U	10	U	10	U		
BENZENE	10	U	10	U	10	U	10	U		
1,2-DICHLOROETHANE	10	U	10	U	10	U	10	U		
TRICHLOROETHENE	10	U	10	U	10	U	10	U		
METHYLCYCLOHEXANE	10	U	10	U	10	U	10	U		
1,2-DICHLOROPROPANE	10	U	10	U	10	U	10	U		
BROMODICHLOROMETHANE	10	U	10	U	10	U	10	U		
CIS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U		
4-METHYL-2-PENTANONE	10	U	10	U	10	U	10	U		
TOLUENE	10	U	10	U	10	U	10	U		
TRANS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U		
1,1,2-TRICHLOROETHANE	10	U	10	U	10	U	10	U		
TETRACHLOROETHENE	10	U	10	U	10	U	10	U		

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Analytical Results (Qualified Data)

Case #: 32980 SDG : E00E3
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	E00G1		VBLKSJ		VBLKZR		VHBLKZQ			
Sampling Location :	TB2									
Matrix :	Water		Water		Water		Water			
Units :	ug/L		ug/L		ug/L		ug/L			
Date Sampled :	6/16/2004									
Time Sampled :	11:00									
%Moisture :	N/A		N/A		N/A		N/A			
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0			
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	U	10	U	10	U	10	U		
DIBROMOCHLOROMETHANE	10	U	10	U	10	U	10	U		
1,2-DIBROMOETHANE	10	U	10	U	10	U	10	U		
CHLOROBENZENE	10	U	10	U	10	U	10	U		
ETHYLBENZENE	10	U	10	U	10	U	10	U		
XYLENES (TOTAL)	10	U	10	U	10	U	10	U		
STYRENE	10	U	10	U	10	U	10	U		
BROMOFORM	10	U	10	U	10	U	10	U		
ISOPROPYLBENZENE	10	U	10	U	10	U	10	U		
1,1,2,2-TETRACHLOROETHANE	10	U	10	U	10	U	10	U		
1,3-DICHLOROBENZENE	10	U	10	U	10	U	10	U		
1,4-DICHLOROBENZENE	10	U	10	U	10	U	10	U		
1,2-DICHLOROBENZENE	10	U	10	U	10	U	10	U		
1,2-DIBROMO-3-CHLOROPROPANE	10	U	10	U	10	U	10	U		
1,2,4-TRICHLOROBENZENE	10	U	10	U	10	U	10	U		

Analytical Results (Qualified Data)

Case #: 32980
SDG : E00E3
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Number of Soil Samples : 0
Number of Water Samples : 7

Sample Number :	E00E3		E00E4		E00E4MS		E00E4MSD		E00E5	
Sampling Location :	FB		S101		S101		S101		S102	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/14/2004		6/7/2004		6/7/2004		6/7/2004		6/14/2004	
Time Sampled :	13:00		12:45		12:45		12:45		11:00	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	10	U	10	UJ	10	UJ	10	UJ	10	U
PHENOL	10	U	10	UJ	56	J	51	J	10	U
BIS-(2-CHLOROETHYL)ETHER	10	U	10	UJ	10	UJ	10	UJ	10	U
2-CHLOROPHENOL	10	U	10	UJ	53	J	49	J	10	U
2-METHYLPHENOL	10	U	10	UJ	10	UJ	10	UJ	10	U
2,2'-OXYBIS(1- CHLOROPROPANE)	10	U	10	UJ	10	UJ	10	UJ	10	U
ACETOPHENONE	10	U	10	UJ	10	UJ	10	UJ	10	U
4-METHYLPHENOL	10	U	10	UJ	10	UJ	10	UJ	10	U
N-NITROSO-DI-N PROPYLAMINE	10	U	10	UJ	31	J	31	J	10	U
HEXACHLOROETHANE	10	U	10	UJ	10	UJ	10	UJ	10	U
NITROBENZENE	10	U	10	UJ	10	UJ	10	UJ	10	U
ISOPHORONE	10	U	10	UJ	10	UJ	10	UJ	10	U
2-NITROPHENOL	10	U	10	UJ	10	UJ	10	UJ	10	U
2,4-DIMETHYLPHENOL	10	U	10	UJ	10	UJ	10	UJ	10	U
BIS(2-CHLOROETHOXY)METHANE	10	U	10	UJ	10	UJ	10	UJ	10	U
2,4-DICHLOROPHENOL	10	U	10	UJ	10	UJ	10	UJ	10	U
NAPHTHALENE	10	U	10	UJ	10	UJ	10	UJ	10	U
4-CHLOROANILINE	10	U	10	UJ	10	UJ	10	UJ	10	U
HEXACHLOROBUTADIENE	10	U	10	UJ	10	UJ	10	UJ	10	U
CAPROLACTAM	10	U	10	UJ	10	UJ	10	UJ	10	U
4-CHLORO-3-METHYLPHENOL	10	U	10	UJ	52	J	49	J	10	U
2-METHYLNAPHTHALENE	10	U	10	UJ	10	UJ	10	UJ	10	U
HEXACHLOROCYCLO-PENTADIEN	10	U	10	UJ	10	UJ	10	UJ	10	U
2,4,6-TRICHLOROPHENOL	10	U	10	UJ	10	UJ	10	UJ	10	U
2,4,5-TRICHLOROPHENOL	25	U	25	UJ	25	UJ	25	UJ	25	U
1,1'-BIPHENYL	10	U	10	UJ	10	UJ	10	UJ	10	U
2-CHLORONAPHTHALENE	10	U	10	UJ	10	UJ	10	UJ	10	U
2-NITROANILINE	25	U	25	UJ	25	UJ	25	UJ	25	U
DIMETHYLPHTHALATE	10	U	10	UJ	10	UJ	10	UJ	10	U
2,6-DINITROTOLUENE	10	U	10	UJ	10	UJ	10	UJ	10	U
ACENAPHTHYLENE	10	U	10	UJ	10	UJ	10	UJ	10	U
3-NITROANILINE	25	U	25	UJ	25	UJ	25	UJ	25	U
ACENAPHTHENE	10	U	10	UJ	36	J	32	J	10	U

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Analytical Results (Qualified Data)

Case #: 32980 SDG : E00E3
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	E00E3		E00E4		E00E4MS		E00E4MSD		E00E5	
Sampling Location :	FB		S101		S101		S101		S102	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/14/2004		6/7/2004		6/7/2004		6/7/2004		6/14/2004	
Time Sampled :	13:00		12:45		12:45		12:45		11:00	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	25	UJ	25	UJ	25	UJ	25	UJ	25	UJ
4-NITROPHENOL	25	UJ	25	UJ	62	J	59	J	25	UJ
DIBENZOFURAN	10	U	10	UJ	10	UJ	10	UJ	10	U
2,4-DINITROTOLUENE	10	U	10	UJ	41	J	39	J	10	U
DIETHYLPHTHALATE	10	U	10	UJ	10	UJ	10	UJ	10	U
FLUORENE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
4-CHLOROPHENYL-PHENYL ETHER	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
4-NITROANILINE	25	U	25	UJ	25	UJ	25	UJ	25	U
4,6-DINITRO-2-METHYLPHENOL	25	U	25	UJ	25	UJ	25	UJ	25	U
N-NITROSO DIPHENYLAMINE	10	U	10	UJ	10	UJ	10	UJ	10	U
4-BROMOPHENYL-PHENYLETHER	10	U	10	UJ	10	UJ	10	UJ	10	U
HEXACHLOROBENZENE	10	U	10	UJ	10	UJ	10	UJ	10	U
ATRAZINE	10	U	10	UJ	2	J	10	UJ	2	J
PENTACHLOROPHENOL	25	U	25	UJ	62	J	60	J	25	U
PHENANTHRENE	10	U	10	UJ	10	UJ	10	UJ	10	U
ANTHRACENE	10	U	10	UJ	10	UJ	10	UJ	10	U
CARBAZOLE	10	U	10	UJ	10	UJ	10	UJ	10	U
DI-N-BUTYLPHTHALATE	10	U	10	UJ	10	UJ	10	UJ	10	U
FLUORANTHENE	10	U	10	UJ	10	UJ	10	UJ	10	U
PYRENE	10	U	10	UJ	35	J	33	J	10	U
BUTYLBENZYLPHTHALATE	10	U	10	UJ	10	UJ	10	UJ	10	U
3,3'-DICHLOROBENZIDINE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
BENZO(A)ANTHRACENE	10	U	10	UJ	10	UJ	10	UJ	10	U
CHRYSENE	10	U	10	UJ	10	UJ	10	UJ	10	U
BIS(2-ETHYLHEXYL)PHTHALATE	3	J	7	J	10	UJ	10	UJ	10	U
DI-N-OCTYLPHTHALATE	10	U	10	UJ	10	UJ	10	UJ	10	U
BENZO(B)FLUORANTHENE	10	U	10	UJ	10	UJ	10	UJ	10	U
BENZO(K)FLUORANTHENE	10	U	10	UJ	10	UJ	10	UJ	10	U
BENZO(A)PYRENE	10	U	10	UJ	10	UJ	10	UJ	10	U
INDENO(1,2,3-CD)-PYRENE	10	U	10	UJ	10	UJ	10	UJ	10	U
DIBENZO(A,H)-ANTHRACENE	10	U	10	UJ	10	UJ	10	UJ	10	U
BENZO(G,H,I)PERYLENE	10	U	10	UJ	10	UJ	10	UJ	10	U

Analytical Results (Qualified Data)

Case #: 32980 SDG : E00E3
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	E00E6		E00F2		E00F3		E00F9		SBLKTK	
Sampling Location :	S103		G101		G102		G103			
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/7/2004		6/15/2004		6/15/2004		6/9/2004			
Time Sampled :	11:00		13:15		13:15		11:00			
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	10	UJ	10	U	10	U	10	UJ	10	U
PHENOL	10	UJ	5	J	4	J	20	J	10	U
BIS-(2-CHLOROETHYL)ETHER	10	UJ	10	U	10	U	10	UJ	10	U
2-CHLOROPHENOL	10	UJ	10	U	10	U	10	UJ	10	U
2-METHYLPHENOL	10	UJ	10	U	10	U	10	UJ	10	U
2,2'-OXYBIS(1- CHLOROPROPANE)	10	UJ	10	U	10	U	10	UJ	10	U
ACETOPHENONE	10	UJ	10	U	10	U	10	UJ	10	U
4-METHYLPHENOL	10	UJ	10		9	J	47	J	10	U
N-NITROSO-DI-N PROPYLAMINE	10	UJ	10	U	10	U	10	UJ	10	U
HEXACHLOROETHANE	10	UJ	10	U	10	U	10	UJ	10	U
NITROBENZENE	10	UJ	10	U	10	U	10	UJ	10	U
ISOPHORONE	10	UJ	10	U	10	U	10	UJ	10	U
2-NITROPHENOL	10	UJ	10	U	10	U	10	UJ	10	U
2,4-DIMETHYLPHENOL	10	UJ	10	U	10	U	10	UJ	10	U
BIS(2-CHLOROETHOXY)METHANE	10	UJ	10	U	10	U	10	UJ	10	U
2,4-DICHLOROPHENOL	10	UJ	10	U	10	U	10	UJ	10	U
NAPHTHALENE	10	UJ	10	U	10	U	10	UJ	10	U
4-CHLOROANILINE	10	UJ	10	U	10	U	10	UJ	10	U
HEXACHLOROBUTADIENE	10	UJ	10	U	10	U	10	UJ	10	U
CAPROLACTAM	10	UJ	10	U	10	U	10	UJ	10	U
4-CHLORO-3-METHYLPHENOL	10	UJ	10	U	10	U	10	UJ	10	U
2-METHYLNAPHTHALENE	10	UJ	10	U	10	U	10	UJ	10	U
HEXACHLOROCYCLO-PENTADIEN	10	UJ	10	U	10	U	10	UJ	10	U
2,4,6-TRICHLOROPHENOL	10	UJ	10	U	10	U	10	UJ	10	U
2,4,5-TRICHLOROPHENOL	25	UJ	25	U	25	U	25	UJ	25	U
1,1'-BIPHENYL	10	UJ	10	U	10	U	10	UJ	10	U
2-CHLORONAPHTHALENE	10	UJ	10	U	10	U	10	UJ	10	U
2-NITROANILINE	25	UJ	25	U	25	U	25	UJ	25	U
DIMETHYLPHTHALATE	10	UJ	10	U	10	U	10	UJ	10	U
2,6-DINITROTOLUENE	10	UJ	10	U	10	U	10	UJ	10	U
ACENAPHTHYLENE	10	UJ	10	U	10	U	10	UJ	10	U
3-NITROANILINE	25	UJ	25	U	25	U	25	UJ	25	U
ACENAPHTHENE	10	UJ	10	U	10	U	10	UJ	10	U

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Analytical Results (Qualified Data)

Case #: 32980 SDG : E00E3
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	E00E6		E00F2		E00F3		E00F9		SBLKTK	
Sampling Location :	S103		G101		G102		G103			
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/7/2004		6/15/2004		6/15/2004		6/9/2004			
Time Sampled :	11:00		13:15		13:15		11:00			
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	25	UJ	25	UJ	25	UJ	25	UJ	25	UJ
4-NITROPHENOL	25	UJ	25	UJ	25	UJ	25	UJ	25	UJ
DIBENZOFURAN	10	UJ	10	U	10	U	10	UJ	10	U
2,4-DINITROTOLUENE	10	UJ	10	U	10	U	10	UJ	10	U
DIETHYLPHTHALATE	10	UJ	10	U	10	U	10	UJ	10	U
FLUORENE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
4-CHLOROPHENYL-PHENYL ETHER	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
4-NITROANILINE	25	UJ	25	U	25	U	25	UJ	25	U
4,6-DINITRO-2-METHYLPHENOL	25	UJ	25	U	25	U	25	UJ	25	U
N-NITROSO DIPHENYLAMINE	10	UJ	10	U	10	U	10	UJ	10	U
4-BROMOPHENYL-PHENYLETHER	10	UJ	10	U	10	U	10	UJ	10	U
HEXACHLOROBENZENE	10	UJ	10	U	10	U	10	UJ	10	U
ATRAZINE	2	J	10	U	10	U	10	UJ	10	U
PENTACHLOROPHENOL	25	UJ	25	U	25	U	25	UJ	25	U
PHENANTHRENE	10	UJ	10	U	10	U	10	UJ	10	U
ANTHRACENE	10	UJ	10	U	10	U	10	UJ	10	U
CARBAZOLE	10	UJ	10	U	10	U	10	UJ	10	U
DI-N-BUTYLPHTHALATE	10	UJ	10	U	10	U	10	UJ	10	U
FLUORANTHENE	10	UJ	10	U	10	U	10	UJ	10	U
PYRENE	10	UJ	10	U	10	U	10	UJ	10	U
BUTYLBENZYLPHTHALATE	10	UJ	10	U	10	U	10	UJ	10	U
3,3'-DICHLOROBENZIDINE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
BENZO(A)ANTHRACENE	10	UJ	10	U	10	U	10	UJ	10	U
CHRYSENE	10	UJ	10	U	10	U	10	UJ	10	U
BIS(2-ETHYLHEXYL)PHTHALATE	10	UJ	10	U	10	U	5	J	10	U
DI-N-OCTYLPHTHALATE	10	UJ	10	U	10	U	10	UJ	10	U
BENZO(B)FLUORANTHENE	10	UJ	10	U	10	U	10	UJ	10	U
BENZO(K)FLUORANTHENE	10	UJ	10	U	10	U	10	UJ	10	U
BENZO(A)PYRENE	10	UJ	10	U	10	U	10	UJ	10	U
INDENO(1,2,3-CD)-PYRENE	10	UJ	10	U	10	U	10	UJ	10	U
DIBENZO(A,H)-ANTHRACENE	10	UJ	10	U	10	U	10	UJ	10	U
BENZO(G,H,I)PERYLENE	10	UJ	10	U	10	U	10	UJ	10	U

Analytical Results (Qualified Data)

Case #: 32980
SDG : E00E3
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Number of Soil Samples : 0
Number of Water Samples : 7

Sample Number :	E00E3		E00E4		E00E4MS		E00E4MSD		E00E5	
Sampling Location :	FB		S101		S101		S101		S102	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/14/2004		6/7/2004		6/7/2004		6/7/2004		6/14/2004	
Time Sampled :	13:00		12:45		12:45		12:45		11:00	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	0.050	U	0.050	UJ	0.050	UJ	0.050	UJ	0.050	U
BETA-BHC	0.050	U	0.050	UJ	0.050	UJ	0.050	UJ	0.050	U
DELTA-BHC	0.050	U	0.050	UJ	0.050	UJ	0.050	UJ	0.050	U
GAMMA-BHC (LINDANE)	0.050	U	0.050	UJ	0.45	J	0.69	J	0.050	U
HEPTACHLOR	0.050	U	0.050	UJ	0.43	J	0.70	J	0.050	U
ALDRIN	0.050	U	0.050	UJ	0.41	J	0.64	J	0.050	U
HEPTACHLOR EPOXIDE	0.050	U	0.050	UJ	0.050	UJ	0.050	UJ	0.050	U
ENDOSU1FAN I	0.050	U	0.050	UJ	0.050	UJ	0.050	UJ	0.050	U
DIELDRIN	0.10	U	0.10	UJ	1.0	J	1.6	J	0.10	U
4,4'-DDE	0.10	U	0.10	UJ	0.10	UJ	0.10	UJ	0.10	U
ENDRIN	0.10	U	0.10	UJ	1.1	J	1.7	J	0.10	U
ENDOSULFAN II	0.10	U	0.10	UJ	0.10	UJ	0.10	UJ	0.10	U
4,4'-DDD	0.10	U	0.10	UJ	0.034	J	0.054	J	0.10	U
ENDOSULFAN SULFATE	0.10	U	0.10	UJ	0.10	UJ	0.10	UJ	0.10	U
4,4'-DDT	0.10	U	0.10	UJ	0.89	J	1.5	J	0.10	U
METHOXYCHLOR	0.50	U	0.50	UJ	0.50	UJ	0.50	UJ	0.50	U
ENDRIN KETONE	0.10	U	0.10	UJ	0.050	J	0.081	J	0.10	U
ENDRIN ALDEHYDE	0.10	U	0.10	UJ	0.021	J	0.021	J	0.10	U
ALPHA-CHLORDANE	0.050	U	0.050	UJ	0.050	UJ	0.037	J	0.050	U
GAMMA-CHLORDANE	0.050	U	0.050	UJ	0.050	UJ	0.050	UJ	0.050	U
TOXAPHENE	5.0	U	5.0	UJ	5.0	UJ	5.0	UJ	5.0	U
AROCLOR-1016	1.0	U	1.0	UJ	1.0	UJ	1.0	UJ	1.0	U
AROCLOR-1221	2.0	U	2.0	UJ	2.0	UJ	2.0	UJ	2.0	U
AROCLOR-1232	1.0	U	1.0	UJ	1.0	UJ	1.0	UJ	1.0	U
AROCLOR-1242	1.0	U	1.0	UJ	1.0	UJ	1.0	UJ	1.0	U
AROCLOR-1248	1.0	U	1.0	UJ	1.0	UJ	1.0	UJ	1.0	U
AROCLOR-1254	1.0	U	1.0	UJ	1.0	UJ	1.0	UJ	1.0	U
AROCLOR-1260	1.0	U	1.0	UJ	1.0	UJ	1.0	UJ	1.0	U

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Analytical Results (Qualified Data)

Case #: 32980 SDG : E00E3
Site : CELOTEX CORP DUMP SITE
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	E00E6		E00F2		E00F3		E00F9		PBLKST	
Sampling Location :	S103		G101		G102		G103			
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/7/2004		6/15/2004		6/15/2004		6/9/2004			
Time Sampled :	11:00		13:15		13:15		11:00			
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	0.050	UJ	0.050	U	0.050	U	0.050	UJ	0.050	U
BETA-BHC	0.050	UJ	0.017	J	0.050	U	0.052	J	0.050	U
DELTA-BHC	0.050	UJ	0.050	U	0.050	U	0.016	J	0.050	U
GAMMA-BHC (LINDANE)	0.050	UJ	0.050	U	0.050	U	0.050	UJ	0.050	U
HEPTACHLOR	0.050	UJ	0.050	U	0.050	U	0.050	UJ	0.050	U
ALDRIN	0.050	UJ	0.050	U	0.050	U	0.050	UJ	0.050	U
HEPTACHLOR EPOXIDE	0.050	UJ	0.050	U	0.050	U	0.050	UJ	0.050	U
ENDOSU1FAN I	0.050	UJ	0.050	U	0.050	U	0.050	UJ	0.050	U
DIELDRIN	0.10	UJ	0.10	U	0.10	U	0.10	UJ	0.10	U
4,4'-DDE	0.10	UJ	0.10	U	0.10	U	0.10	UJ	0.10	U
ENDRIN	0.10	UJ	0.10	U	0.10	U	0.10	UJ	0.10	U
ENDOSULFAN II	0.10	UJ	0.10	U	0.10	U	0.10	UJ	0.10	U
4,4'-DDD	0.10	UJ	0.10	U	0.10	U	0.10	UJ	0.10	U
ENDOSULFAN SULFATE	0.10	UJ	0.10	U	0.10	U	0.10	UJ	0.10	U
4,4'-DDT	0.10	UJ	0.10	U	0.10	U	0.10	UJ	0.10	U
METHOXYCHLOR	0.50	UJ	0.50	U	0.50	U	0.50	UJ	0.50	U
ENDRIN KETONE	0.10	UJ	0.10	U	0.10	U	0.10	UJ	0.10	U
ENDRIN ALDEHYDE	0.10	UJ	0.10	U	0.10	U	0.10	UJ	0.10	U
ALPHA-CHLORDANE	0.050	UJ	0.050	U	0.050	U	0.050	UJ	0.050	U
GAMMA-CHLORDANE	0.050	UJ	0.050	U	0.012	J	0.050	UJ	0.050	U
TOXAPHENE	5.0	UJ	5.0	U	5.0	U	5.0	UJ	5.0	U
AROCLOR-1016	1.0	UJ	1.0	U	1.0	U	1.0	UJ	1.0	U
AROCLOR-1221	2.0	UJ	2.0	U	2.0	U	2.0	UJ	2.0	U
AROCLOR-1232	1.0	UJ	1.0	U	1.0	U	1.0	UJ	1.0	U
AROCLOR-1242	1.0	UJ	1.0	U	1.0	U	1.0	UJ	1.0	U
AROCLOR-1248	1.0	UJ	1.0	U	1.0	U	1.0	UJ	1.0	U
AROCLOR-1254	1.0	UJ	1.0	U	1.0	U	1.0	UJ	1.0	U
AROCLOR-1260	1.0	UJ	1.0	U	1.0	U	1.0	UJ	1.0	U

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Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 7-14-04

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

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: CELOTEX CORPORATED DUMP (IL)

CASE NUMBER: 32980 SDG NUMBER: E00E3

Number and Type of Samples: 9 (WATER)

Sample Numbers: E00E3-7, E00F2-3, 9, E00G1

Laboratory: CompuChem Hrs for Review:

Following are our findings:

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

CompuChem
a division of Liberty Analytical Corp.

Sample Delivery Group (SDG)
Cover Sheet

ORIGINAL

SDG Number E00E3

Laboratory Name	CompuChem	Laboratory Code	LIBRTY
Contract No.	68W03021	Case No.	32980
Analysis Price	$415.00	SDG Turnaround	21

EPA Sample Numbers in SDG (Listed in Numerical Order)

1)	E00E3	7)	E00F3	13)		19)	
2)	E00E4	8)	E00F9	14)		20)	
3)	E00E5	9)	E00G1	15)		21)	
4)	E00E6	10)		16)		22)	
5)	E00E7	11)		17)		23)	
6)	E00F2	12)		18)		24)	

E00E3	E00G1
First Sample in SDG	Last Sample in SDG
6/15/2004	6/17/2004
First Sample Receipt Date	Last Sample Receipt Date

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

15

Signature Dan Turner

Date 06/17/04

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

Case No:	32980
DAS No:	
SDG No:	E00E3 6.15.04

Date Shipped:	6/14/2004
Carrier Name:	UPS
Airbill:	1Z6215892210024642
Shipped to:	Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 Tony Wasilauski	6-14-04/1800	Joan Purdie	6.15.04 905
2			
3			
4			

Sampler Signature: Jim Salch

For Lab Use Only

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

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E00E3	Surface Water/ Jim Salch	L/G	BNA (21), PEST (21), VOA (21)	5-277711 (HCL), 5-277712 (HCL), 5-277713 (Ice Only), 5-277714 (Ice Only) (4)	FB	S: 6/14/2004	13:00	ME00E3	Good
E00E4	Surface Water/ Jim Salch	L/G	BNA (21), PEST (21), VOA (21)	5-277721 (HCL), 5-277722 (HCL), 5-277723 (HCL), 5-277724 (HCL), 5-277725 (HCL), 5-277726 (HCL), 5-277727 (Ice Only), 5-277728 (Ice Only), 5-277729 (Ice Only), 5-277730 (Ice Only), 5-277731 (Ice Only), 5-277732 (Ice Only) (12)	S101	S: 6/7/2004	12:45	ME00E4	
E00E5	Surface Water/ Jim Salch	L/G	BNA (21), PEST (21), VOA (21)	5-277735 (HCL), 5-277736 (HCL), 5-277737 (Ice Only), 5-277738 (Ice Only) (4)	S102	S: 6/14/2004	11.00	ME00E5	
E00E6	Surface Water/ Jim Salch	L/G	BNA (21), PEST (21), VOA (21)	5-277741 (HCL), 5-277742 (HCL), 5-277743 (Ice Only), 5-277744 (Ice Only) (4)	S103	S: 6/7/2004	11.00	ME00E6	
E00E7	Surface Water/ Jim Salch	L/G	VOA (21)	5-277745 (HCL), 5-277746 (HCL) (2)	TB1	S: 6/14/2004	16.00		

COPY

ORIGINAL DOCUMENTS INCLUDED IN CSF- E00E3

SIGNATURE J. Purdie DATE 7.9.04

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC: E00E4, E00E6	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 3.2	Chain of Custody Seal Number: 82798 - 82800
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced? ✓

BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs, VOA = CLP TCL Volatiles

TR Number: 5-314975591-061404-0002

PR provides prelimi- esults. Requests for preliminary results will increase analytical costs.
Send Copy to: Sar Management Office, 2000 Edmund Halley Dr., Reston, VA 20191-3400 Phone 70 -9348 Fax 703/264-9222

LABORATORY COPY

F2V5.1.043

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

Case No: 32980
SAS No:
SDG No: E00F2, E00E1 E3 6-17-04

L

Date Shipped:	6/16/2004
Carrier Name:	UPS
Airbill:	1Z6215892210024599
Shipped to:	Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100

Chain of Custody Record		Sampler Signature: James M. Salch	
Relinquished By	(Date / Time)	Received By	(Date / Time)
James M. Salch	6/16/04 14:30	Joan Pundie	6.17.04 910
2			
3			
4			

For Lab Use Only

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

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E00E1	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21), VOA (21)	5-277701 (Ice Only), 5-277703 (Ice Only), 5-277704 (Ice Only) (3)	X201	S: 6/14/2004	13:45	ME00E1	Good
E00E2	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21), VOA (21)	5-277706 (Ice Only), 5-277707 (Ice Only), 5-277708 (Ice Only) (3)	X202	S: 6/14/2004	11:30	ME00E2	
E00E8	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-277748 (Ice Only) (1)	X101A	S: 6/8/2004	13:30	ME00E8	
E00E9	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-277750 (Ice Only) (1)	X101B	S: 6/8/2004	13:40	ME00E9	
E00F0	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-277752 (Ice Only) (1)	X102A	S: 6/8/2004	16:30	ME00F0	
E00F1	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-277754 (Ice Only) (1)	X102B	S: 6/8/2004	16:35	ME00F1	
E00F2	Ground Water/ Jim Salch	L/G	BNA (21), PEST (21), VOA (21)	5-277755 (HCL), 5-277756 (HCL), 5-277757 (Ice Only), 5-277758 (Ice Only) (4)	G101	S: 6/15/2004	13:15	ME00F2	
E00F3	Ground Water/ Jim Salch	L/G	BNA (21), PEST (21), VOA (21)	5-277761 (HCL), 5-277762 (HCL), 5-277763 (Ice Only), 5-277764 (Ice Only) (4)	G102	S: 6/15/2004	13:15	ME00F3	
E00F6	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-277770 (Ice Only) (1)	X103	S: 6/15/2004	17:55	ME00F6	
E00F7	Soil (>12")/ Jim Salch	L/G	BNA/PEST (21)	5-277772 (Ice Only) (1)	X104A	S: 6/9/2004	9:15	ME00F7	

COPY

ORIGINAL DOCUMENTS INCLUDED IN CSF- E00E3

SIGNATURE: [signature] DATE: 7.9.04

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number
	E00F9		6.2, 6.7, 6.0, 4.6, 6.17.04	82731-82734

Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? ✓	Shipment Iced? ✓

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

TR Number: 5-314975591-061604-0002

PR provides prelim' results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sa Management Office, 2000 Edmund Halley Dr., Reston, VA 20191-3400 Phone 70 4-9348 Fax 703/264-9222

LABORATORY COPY

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

Case No: 32980
DAS No
SDG No: E00F2, E00E1 E3 6/17/04

L

Date Shipped:	6/16/2004
Carrier Name:	UPS
Airbill:	1Z6215892210024599
Shipped to:	Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 James M. Salch	6/16/04 14:30	Jim Purdie	6/17/04 910
2			
3			
4			

Sampler Signature: James M. Salch

For Lab Use Only

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

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No. PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E00F8	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-277774 (Ice Only) (1)	X104B	S 6/16/2004 9 25	ME00F8	Good
E00F9	Ground Water/ Jim Salch	L/G	BNA (21), PEST (21), VOA (21)	5-277775 (HCL), 5-277776 (HCL), 5-277777 (HCL), 5-277778 (HCL), 5-277779 (HCL), 5-277780 (HCL), 5-277781 (Ice Only), 5-277782 (Ice Only), 5-277783 (Ice Only), 5-277784 (Ice Only), 5-277785 (Ice Only), 5-277786 (Ice Only) (12)	G103	S 6/9/2004 11 00	ME00F9	
E00G1	Ground Water/ Jim Salch	L/G	VOA (21)	5-277796 (HCL), 5-277797 (HCL) (2)	TB2	S 6/16/2004 11 00		SDG trip sample
E00G2	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-277799 (Ice Only) (1)	X105	S 6/16/2004 12 25	ME00G2	
E00G3	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-277801 (Ice Only) (1)	X106	S 6/16/2004 13 15	ME00G3	
E00G4	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-277803 (Ice Only) (1)	X107	S 6/16/2004 14 00	ME00G4	SDG trip sample

COPY

ORIGINAL DOCUMENTS INCLUDED IN CSF- E00E3

SIGNATURE J. Purdie DATE 7-4-04

Shipment for Case Complete?Y	Sample(s) to be used for laboratory QC.	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt	Chain of Custody Seal Number
	E00F9		6.2, 6.6, 8.2	B2731 - B2739

Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? ✓	Shipment Iced? ✓

BNA = CLP TCL Semivolatiles BNA/PEST = CLP TCL Semivolatiles and Pesticides/PCB, PEST = CLP TCL Pesticide/PCBs, VOA = CLP TCL Volatiles

TR Number: 5-314975591-061604-0002

PR provides prelim' results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sa Management Office, 2000 Edmund Halley Dr, Reston, VA 20191-3400 Phone 70 4 9348 Fax 703/264 9222

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E5

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334403

Sample wt/vol: 5 (g/mL) ML Lab File ID: 334403A55

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: not dec. _____ Date Analyzed: 06/16/04

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

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

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00E5

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334403

Sample wt/vol: 5 (g/mL) ML Lab File ID: 334403A55

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: not dec. _____ Date Analyzed: 06/16/04

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

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

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	16.30	6	J
2.	LABORATORY ARTIFACT	17.68	17	JB
3.	LABORATORY ARTIFACT	19.18	19	JB
4.	LABORATORY ARTIFACT	21.08	12	JB
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E6

Lab Name: COMPUCHEM Contract: 68W03021

b Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334404

Sample wt/vol: 5 (g/mL) ML Lab File ID: 334404A55

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: not dec. _____ Date Analyzed: 06/16/04

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

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

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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E6

Lab Name: COMPUCHEM Contract: 68W03021

b Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334404

Sample wt/vol: 5 (g/mL) ML Lab File ID: 334404A55

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: not dec. _____ Date Analyzed: 06/16/04

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

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

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00E6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334404

Sample wt/vol: 5 (g/mL) ML Lab File ID: 334404A55

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: not dec. _____ Date Analyzed: 06/16/04

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

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

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	16.30	6	J
2.	LABORATORY ARTIFACT	17.67	19	JB
3.	LABORATORY ARTIFACT	19.17	35	JB
4.	LABORATORY ARTIFACT	21.08	18	JB
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334405

Sample wt/vol: 5 (g/mL) ML Lab File ID: 334405A55

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: not dec. _____ Date Analyzed: 06/16/04

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

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

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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBERTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334405

Sample wt/vol: 5 (g/mL) ML Lab File ID: 334405A55

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: not dec. _____ Date Analyzed: 06/16/04

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

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

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00E7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334405

Sample wt/vol: 5 (g/mL) ML Lab File ID: 334405A55

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: not dec. _____ Date Analyzed: 06/16/04

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

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

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	17.61	16	J
2.	LABORATORY ARTIFACT	19.10	17	J
3.	LABORATORY ARTIFACT	21.01	10	J
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334407

Sample wt/vol: 5 (g/mL) ML Lab File ID: 334407RB71

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. _____ Date Analyzed: 06/23/04

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

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

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

E00F2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334407

Sample wt/vol: 5 (g/mL) ML Lab File ID: 334407RB71

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. _____ Date Analyzed: 06/23/04

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

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

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00F2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334407

Sample wt/vol: 5 (g/mL) ML Lab File ID: 334407RB71

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. _____ Date Analyzed: 06/23/04

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

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

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	55429-85-1	BENZENEETHANAMINE, N-[(PENTA	12.99	5	NJ
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334408

Sample wt/vol: 5 (g/mL) ML Lab File ID: 334408RB71

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. _____ Date Analyzed: 06/23/04

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

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

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

E00F3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334408

Sample wt/vol: 5 (g/mL) ML Lab File ID: 334408RB71

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. _____ Date Analyzed: 06/23/04

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

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

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00F3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334408

Sample wt/vol: 5 (g/mL) ML Lab File ID: 334408RB71

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. _____ Date Analyzed: 06/23/04

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

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	11.80	6	JB
2.	LABORATORY ARTIFACT	12.98	9	JB
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4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F9

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334409

Sample wt/vol: 5 (g/mL) ML Lab File ID: 334409R3B71

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. _____ Date Analyzed: 06/24/04

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

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

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

E00F9

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334409

Sample wt/vol: 5 (g/mL) ML Lab File ID: 334409R3B71

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. _____ Date Analyzed: 06/24/04

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

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

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00F9

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334409

Sample wt/vol: 5 (g/mL) ML Lab File ID: 334409R3B71

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. _____ Date Analyzed: 06/24/04

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

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

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	12.99	6	JB
2.	LABORATORY ARTIFACT	14.19	5	J
3.				
4.				
5.				
6.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00G1

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334410

Sample wt/vol: 5 (g/mL) ML Lab File ID: 334410RB71

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. _____ Date Analyzed: 06/23/04

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

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

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

E00G1

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334410

Sample wt/vol: 5 (g/mL) ML Lab File ID: 334410RB71

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. _____ Date Analyzed: 06/23/04

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

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

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00G1

Lab Name: COMPUCHEM Contract: 68W03021

Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334410

Sample wt/vol: 5 (g/mL) ML Lab File ID: 334410RB71

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. _____ Date Analyzed: 06/23/04

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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2.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKSJ

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 36097

Sample wt/vol: 5 (g/mL) ML Lab File ID: 36097A55

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

% Moisture: not dec. _____ Date Analyzed: 06/16/04

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

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

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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKSJ

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 36097

Sample wt/vol: 5 (g/mL) ML Lab File ID: 36097A55

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

% Moisture: not dec. _____ Date Analyzed: 06/16/04

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

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKSJ

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 36097

Sample wt/vol: 5 (g/mL) ML Lab File ID: 36097A55

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

% Moisture: not dec. _____ Date Analyzed: 06/16/04

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

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	17.73	13	J
2.	LABORATORY ARTIFACT	19.24	17	J
3.	LABORATORY ARTIFACT	21.14	10	J
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKZR

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 37292

Sample wt/vol: 5 (g/mL) ML Lab File ID: 37292B71

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

% Moisture: not dec. _____ Date Analyzed: 06/23/04

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

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

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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKZR

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 37292

Sample wt/vol: 5 (g/mL) ML Lab File ID: 37292B71

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

% Moisture: not dec. _____ Date Analyzed: 06/23/04

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

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

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKZR

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 37292

Sample wt/vol: 5 (g/mL) ML Lab File ID: 37292B71

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

% Moisture: not dec. _____ Date Analyzed: 06/23/04

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

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

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 109-66-0	PENTANE	4.76	6	NJ
2.	LABORATORY ARTIFACT	11.80	6	J
3.	LABORATORY ARTIFACT	12.98	8	J
4.				
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKZQ

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 340504

Sample wt/vol: 5 (g/mL) ML Lab File ID: 340504R2B71

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. _____ Date Analyzed: 06/24/04

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

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

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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKZQ

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 340504

Sample wt/vol: 5 (g/mL) ML Lab File ID: 340504R2B71

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. _____ Date Analyzed: 06/24/04

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

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

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLKZQ

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 340504

Sample wt/vol: 5 (g/mL) ML Lab File ID: 340504R2B71

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: not dec. _____ Date Analyzed: 06/24/04

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	14.19	7	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E4MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 36359

Sample wt/vol: 5 (g/mL) ML Lab File ID: 36359A55

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: not dec. _____ Date Analyzed: 06/16/04

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	43	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	51	
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E4MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 36359

Sample wt/vol: 5 (g/mL) ML Lab File ID: 36359A55

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: not dec. _____ Date Analyzed: 06/16/04

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	46	
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	50	
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	50	
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.

E00E4MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 36360

Sample wt/vol: 5 (g/mL) ML Lab File ID: 36360A55

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: not dec. _____ Date Analyzed: 06/16/04

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	48	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	53	
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E4MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 36360

Sample wt/vol: 5 (g/mL) ML Lab File ID: 36360A55

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: not dec. _____ Date Analyzed: 06/16/04

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	48	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	48	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	50	
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

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLKTK	74	72	98	71	65	75	71	62	0
02	E00E3	72	68	88	72	71	67	72	72	0
03	E00E4	56	58	64	55	48	64	53	48	0
04	E00E4MS	78	72	58	75	68	75	73	72	0
05	E00E4MSD	66	62	52	67	59	69	65	54	0
06	E00E5	78	68	78	76	71	76	76	60	0
07	E00E6	74	64	68	71	65	69	72	56	0
08	E00F2	76	70	62	76	71	79	75	70	0
09	E00F3	76	64	58	76	72	79	76	62	0
10	E00F9	74	58	36	73	67	81	71	50	0
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		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(35-114)	
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)	
S3 (TPH)	= Terphenyl-d14	(33-141)	
S4 (PHL)	= Phenol-d5	(10-110)	
S5 (2FP)	= 2-Fluorophenol	(21-110)	
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7 (2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix Spike - EPA Sample No.: E00E4

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Phenol	75	0	56	75	12-110
2-Chlorophenol	75	0	53	71	27-123
N-Nitroso-di-n-prop.(1)	50	0	31	62	41-116
4-Chloro-3-methylphenol	75	0	52	69	23- 97
Acenaphthene	50	0	36	72	46-118
4-Nitrophenol	75	0	62	83*	10- 80
2,4-Dinitrotoluene	50	0	41	82	24- 96
Pentachlorophenol	75	0	62	83	9-103
Pyrene	50	0	35	70	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	75	51	68	10	42	12-110
2-Chlorophenol	75	49	65	9	40	27-123
N-Nitroso-di-n-prop.(1)	50	31	62	0	38	41-116
4-Chloro-3-methylphenol	75	49	65	6	42	23- 97
Acenaphthene	50	32	64	12	31	46-118
4-Nitrophenol	75	59	79	5	50	10- 80
2,4-Dinitrotoluene	50	39	78	5	38	24- 96
Pentachlorophenol	75	60	80	4	50	9-103
Pyrene	50	33	66	6	31	26-127

(1) N-Nitroso-di-n-propylamine

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

* Values outside of QC limits

RPD: 0 out of 9 outside limits
Spike Recovery: 1 out of 18 outside limits

COMMENTS: _____

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKTK

I Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Lab File ID: 36871A74 Lab Sample ID: 36871

Instrument ID: 5972HP74 Date Extracted: 06/18/04

Matrix: (soil/water) WATER Date Analyzed: 06/24/04

Level: (low/med) LOW Time Analyzed: 1021

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
C1	E00E3	334401	334401A74	06/24/04
C2	E00E4	334402	334402A74	06/24/04
C3	E00E4MS	36872	36872A74	06/24/04
C4	E00E4MSD	36873	36873A74	06/24/04
C5	E00E5	334403	334403A74	06/24/04
C6	E00E6	334404	334404A74	06/24/04
C7	E00F2	334407	334407A74	06/24/04
C8	E00F3	334408	334408A74	06/24/04
C9	E00F9	334409	334409A74	06/24/04
10				
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COMMENTS:

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334401

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 334401A74

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334401

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 334401A74

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00E3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334401

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 334401A74

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E4

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334402

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 334402A74

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E4

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334402

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 334402A74

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00E4

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334402

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 334402A74

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E4MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 36872

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 36872A74

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	56	
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	53	
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	31	
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	52	
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	36	

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E4MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 36872

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 36872A74

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	62	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	41	
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	2	J
87-86-5	Pentachlorophenol	62	
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	35	
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E4MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 36873

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 36873A74

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	51	
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	49	
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	31	
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	49	
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	32	

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E4MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 36873

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 36873A74

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	59	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	39	
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	60	
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

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E5

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334403

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 334403A74

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E5

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334403

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 334403A74

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00E5

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334403

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 334403A74

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334404

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 334404A74

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334404

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 334404A74

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00E6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334404

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 334404A74

Level: (low/med) LOW Date Received: 06/15/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334407

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 334407A74

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334407

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 334407A74

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00F2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334407

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 334407A74

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 24

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN CARBOXYLIC ACID	7.72	2	J
2.	UNKNOWN CARBOXYLIC ACID	7.85	5	J
3.	UNKNOWN CARBOXYLIC ACID	9.04	5	J
4.	UNKNOWN CARBOXYLIC ACID	9.46	3	J
5.	UNKNOWN CARBOXYLIC ACID	9.98	3	J
	UNKNOWN	10.18	4	J
3128-06-1	4-ACETYLBUTYRIC ACID	10.24	4	NJ
8.	UNKNOWN CARBOXYLIC ACID	10.48	13	J
9.	UNKNOWN	10.81	3	J
10. 103-82-2	BENZENEACETIC ACID	11.29	3	NJ
11. 112-05-0	NONANOIC ACID	11.42	5	NJ
12.	UNKNOWN	12.07	4	J
13.	UNKNOWN CARBOXYLIC ACID	12.18	11	J
14. 492-37-5	BENZENEACETIC ACID, .ALPHA.-	12.35	20	NJ
15.	UNKNOWN	12.74	4	J
16.	UNKNOWN	13.02	11	J
17.	SUBSTITUTED BENZENE	13.17	11	J
18. 91-64-5	2H-1-BENZOPYRAN-2-ONE	13.26	3	NJ
19.	UNKNOWN CARBOXYLIC ACID	13.35	5	J
20.	UNKNOWN	13.45	4	J
21.	UNKNOWN	13.93	5	J
22.	UNKNOWN	14.03	2	J
23.	UNKNOWN	14.23	2	J
24. 134-62-3	DIETHYLTOLUAMIDE	14.35	9	NJ
25.				
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334408

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 334408A74

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334408

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 334408A74

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E00F3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334408

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 334408A74

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 24 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN CARBOXYLIC ACID	7.82	40	J
2.	UNKNOWN CARBOXYLIC ACID	8.53	100	J
3.	UNKNOWN CARBOXYLIC ACID	9.02	27	J
4.	UNKNOWN	9.16	2	J
5.	UNKNOWN CARBOXYLIC ACID	9.44	19	J
6.	UNKNOWN CARBOXYLIC ACID	9.97	3	J
7.	UNKNOWN	10.17	3	J
8.	UNKNOWN	10.24	3	J
9.	UNKNOWN CARBOXYLIC ACID	10.46	11	J
10.	UNKNOWN	10.80	2	J
11. 103-82-2	BENZENEACETIC ACID	11.28	3	NJ
12. 112-05-0	NONANOIC ACID	11.42	5	NJ
13.	UNKNOWN	12.06	4	J
14.	UNKNOWN	12.17	10	J
15.	UNKNOWN CARBOXYLIC ACID	12.34	17	J
16.	UNKNOWN	12.74	4	J
17.	UNKNOWN	13.02	10	J
18.	SUBSTITUTED BENZENE	13.18	10	J
19.	UNKNOWN	13.35	5	J
20.	UNKNOWN	13.45	4	J
21. 1010-48-6	BENZENEPROPANOIC ACID, .BETA	13.93	5	NJ
22.	UNKNOWN	14.03	2	J
23.	UNKNOWN	14.23	2	J
24. 134-62-3	DIETHYLTOLUAMIDE	14.34	5	NJ
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC OLM04.2

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F9

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334409

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 334409A74

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F9

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334409

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 334409A74

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00F9

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334409

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 334409A74

Level: (low/med) LOW Date Received: 06/17/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.65	24	J
2.	UNKNOWN	8.95	19	J
3.	UNKNOWN CARBOXYLIC ACID	8.99	13	J
4. 111-14-8	HEPTANOIC ACID	9.44	20	NJ
5.	UNKNOWN	10.52	28	J
6. 1453-24-3	CYCLOHEXENE, 1-ETHYL-	10.86	8	NJ
7.	UNKNOWN	10.89	9	J
8.	UNKNOWN	10.97	11	J
9.	UNKNOWN	11.50	13	J
10.	UNKNOWN	11.63	7	J
11.	UNKNOWN	11.93	12	J
12.	UNKNOWN CARBOXYLIC ACID	12.23	8	J
13.	UNKNOWN	12.39	9	J
14.	UNKNOWN	12.80	7	J
15.	UNKNOWN CARBOXYLIC ACID	12.85	10	J
16.	UNKNOWN	13.06	13	J
17.	SUBSTITUTED BENZENE	13.16	9	J
18.	UNKNOWN	13.24	11	J
19.	SUBSTITUTED BENZENE	13.42	7	J
20.	UNKNOWN	13.48	10	J
21.	UNKNOWN	13.92	9	J
22.	UNKNOWN	14.01	19	J
23.	UNKNOWN	14.11	7	J
24.	UNKNOWN	14.28	9	J
25.	UNKNOWN	14.32	9	J
26.	UNKNOWN	14.39	10	J
27.	UNKNOWN	14.51	7	J
28.	UNKNOWN	14.89	8	J
29.	UNKNOWN	15.17	11	J
30.	UNKNOWN	16.68	7	J

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKTK

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 36871

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 36871A74

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

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKTK

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 36871

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 36871A74

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

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKTK

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 36871

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 36871A74

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

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:06/18/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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FORM I SV-TIC OLM04.2

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

GC Column(1): CLPEST ID: 0.53(mm) GC Column(2): CLPEST2 ID: 0.53(mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	E00E3	130	120	115	115			0
02	E00E4	120	95	110	105			0
03	E00E5	90	80	105	105			0
04	E00E6	50	39	50	49			0
05	E00F2	125	130	130	135			0
06	E00F3	89	94	117	117			0
07	E00F9	94	111	53	61			0
08	PBLKST	105	100	120	120			0
09	E00E4MS	80	75	80	80			0
10	E00E4MSD	130	115	130	130			0
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

		QC LIMITS
S1 (TCX)	= Tetrachloro-m-xylene	(30-150)
S2 (DCB)	= Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

3E

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix Spike - EPA Sample No.: E00E4

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	0.50	0.0	0.45	90	56-123
Heptachlor	0.50	0.0	0.43	86	40-131
Aldrin	0.50	0.0	0.41	82	40-120
Dieldrin	1.0	0.0	1.0	100	52-126
Endrin	1.0	0.0	1.1	110	56-121
4,4'-DDT	1.0	0.0	0.89	89	38-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	0.50	0.69	138*	42*	15	56-123
Heptachlor	0.50	0.70	140*	48*	20	40-131
Aldrin	0.50	0.64	128*	44*	22	40-120
Dieldrin	1.0	1.6	160*	46*	18	52-126
Endrin	1.0	1.7	170*	43*	21	56-121
4,4'-DDT	1.0	1.5	150*	51*	27	38-127

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

* Values outside of QC limits

RPD: 6 out of 6 outside limits
Spike Recovery: 6 out of 12 outside limits

COMMENTS:

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKST

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Lab Sample ID: 36692 Lab File ID: _____

Matrix (soil/water) WATER Extraction:(Type) SEPF

Sulfur Cleanup (Y/N) N Date Extracted: 06/18/04

Date Analyzed (1): 07/12/04 Date Analyzed (2): 07/12/04

Time Analyzed (1): 1238 Time Analyzed (2): 1238

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC85

GC Column (1): CLPEST ID: 0.53(mm) GC Column (2): CLPEST2 ID: 0.53(mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	E00E3	334401	07/12/04	07/12/04
02	E00E4	334402	07/12/04	07/12/04
03	E00E5	334403	07/12/04	07/12/04
04	E00E6	334404	07/12/04	07/12/04
05	E00F2	334407	07/12/04	07/12/04
06	E00F3	334408	07/12/04	07/12/04
07	E00F9	334409	07/12/04	07/12/04
08	E00E4MS	36693	07/12/04	07/12/04
09	E00E4MSD	36694	07/12/04	07/12/04
10				
11				
12				
13				
14				
15				
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18				
19				
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24				
25				
26				

COMMENTS: _____

FORM IV PEST OLM04.2

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334401

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 06/15/04

Extraction: (Type) SEPF Date Extracted: 06/18/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 07/12/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E4

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334402

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 06/15/04

Extraction: (Type) SEPF Date Extracted: 06/18/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 07/12/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E4MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 36693

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 06/15/04

Extraction: (Type) SEPF Date Extracted: 06/18/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 07/12/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.45	
76-44-8	Heptachlor	0.43	
309-00-2	Aldrin	0.41	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	1.0	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	1.1	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.034	JP
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.89	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.050	J
7421-93-4	Endrin aldehyde	0.021	JP
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E4MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 36694

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 06/15/04

Extraction: (Type) SEPF Date Extracted: 06/18/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 07/12/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.69	
76-44-8	Heptachlor	0.70	
309-00-2	Aldrin	0.64	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	1.6	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	1.7	E
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.054	JP
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	1.5	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.081	J
7421-93-4	Endrin aldehyde	0.021	JP
5103-71-9	alpha-Chlordane	0.037	JP
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E5

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334403

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 06/15/04

Extraction: (Type) SEPF Date Extracted: 06/18/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 07/12/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00E6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334404

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 06/15/04

Extraction: (Type) SEPF Date Extracted: 06/18/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 07/12/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334407

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 06/17/04

Extraction: (Type) SEPF Date Extracted: 06/18/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 07/12/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.017	JP
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334408

Sample wt/vol: 1100 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 06/17/04

Extraction: (Type) SEPF Date Extracted: 06/18/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 07/12/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.012	J
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00F9

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 334409

Sample wt/vol: 1100 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 06/17/04

Extraction: (Type) SEPF Date Extracted: 06/18/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 07/12/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.052	P
319-86-8	delta-BHC	0.016	JP
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKST

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32980 SAS No.: SDG No.: E00E3

Matrix: (soil/water) WATER Lab Sample ID: 36692

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: _____

Extraction: (Type) SEPF Date Extracted: 06/18/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 07/12/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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

Sample Delivery Group: E00E3 CERCLIS No: ILD981961634

Case No: 32980 Site Name/Location: CELOTEX CORPORATED DUMP

Contractor of EPA Lab: CompuChem Data User: IEPA

No. of Samples: 9 Date Sampled or Date Received: 7-14-04

Have Chain-of-Custody records been received? Yes ✓ No ____
Have traffic reports or packing lists been received? Yes ____ No ____
If no, are traffic report or packing list numbers written on the Chain-of-Custody Record?
Yes ____ No ____
If no, which traffic report or packing list numbers are missing?

____ ____ ____ ____
____ ____ ____ ____

Are basic data forms in? Yes ✓ No ____
No. of samples claimed: 9 No. of samples received: 9

Received by: EVA M. DIXON/ESAT Date: 7-14-04

Received by LSSS: EVA M. DIXON/ESAT Date: 7-14-04

Review started: ____ Reviewer Signature: ____

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

Copied by: EVA M. DIXON/ESAT Date: 7-21-04

Mailed to user by: EVA M. DIXON/ESAT Date: 7-21-04

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

Data received by: ____ Date: ____

Data review received by: ____ Date: ____

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

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

____
____

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