160335-06 2/19/85

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

REFERENCE 9
SITE NAME Alton Mun. L.F.
SITE ID ILD980497614

DATE: 2/19/85

SUBJECT: Review of Region V CLP Data
Received for Review on 2/7/85

FROM: Curtis Ross, Director (5SCRL) Chuck Elly
Central Regional Laboratory

TO: Data User: FIT

RECEIVED MAR 29 1985

We have reviewed the data for the following case(s).

SITE NAME: ALTON LANDFILL SMO Case No. 3569

EPA Data Set No. SF 989 No. of Samples: 7 D.U./Activity Numbers Y905 / C48500

CRL No. 85ML06S89 to 85ML06S93

SMO Traffic No. EA233 to EA239

CLP Laboratory: S3 Hrs. Required for Review:

Following are our findings.

Unreviewed data

EPA Region 5 Records Ctr.
288694

( ) Data are acceptable for use.
( ) Data are acceptable for use with qualifications noted above.
( ) Data are preliminary - pending verification by Contractor Laboratory.
( ) Data are unacceptable.

cc: Dr. Alfred Haeberer/Joan Fisk/Gary Ward, EPA Support Services
Ross K. Robeson, EMSL-Las Vegas
Don Trees, CLP/Sample Management Office

P. 1

FORM 1220-8 (REV 3-78)

ESD/Central Regional Laboratory

DATA TRACKING - FORM I

CRL Data Set No. SF 981 ERRIS No. _____

SMO Case No. 3569 Site Name: ALTON LANDFILL

Name of Laboratory: S-3 Data User: FIT

No. of Samples: 71 Date Samples Received: 2/7/85

1. Have chain-of-custody records been received? YES ✓ NO ___ RECEIVED MAR 29 1985
2. Have Traffic reports been received? YES ___ NO ✓
3. If no, are Traffic report numbers written on the chain-of-custody record? YES ✓ NO ___
4. If no, which Traffic report numbers are missing?

5. Are basic data forms in? YES ✓ NO ___
6. Number of samples claimed: 71 Number of samples received: 71
7. Checked by: Sylvia Griffin Date: 2/7/85
8. Received by Contract Project Management Section: [illegible] Date: 2/7/85
9. Review Started: _____ Reviewer Signature: _____
10. Total time spent on review: _____ Date review completed: _____
11. Copied (xeroxed) by: _____ Date: _____
12. Mailed to Data User by: _____ Date: _____

TO DATA USERS:

Please fill in the blanks and return this form to:

Charles Elly, DPO, Region V, 5SCRL

13. Data received by: Cynthia Pugh Date: 3-29-85
14. Q.A. review received by: Cynthia Pugh Date: 3-29-85
15. Received by CRL - CPM Section for file by: _____

Date: _____

Data for EA 233-239 rec'd.
Complete

P.J.

REGION V, U.S. ENVIRONMENTAL PROTECTION AGENCY
ESD/Central Regional Laboratory

DATA TRACKING - FORM I

APR 0 5 1985

CRL Data Set No. [illegible] ERRIS No. _____

SMO Case No. [illegible] Site Name: [illegible]

Name of Laboratory: [illegible] Data User: [illegible]

No. of Samples: 1 Date Samples Received: 3/1/85

1. Have chain-of-custody records been received? YES ✓ NO ___
2. Have Traffic reports been received? YES ___ NO ✓
3. If no, are Traffic report numbers written on the chain-of-custody record? YES ___ NO ___
4. If no, which Traffic report numbers are missing?

5. Are basic data forms in? YES ✓ NO ___
6. Number of samples claimed: ___ Number of samples received: 1
7. Checked by: [illegible] Date: [illegible]
8. Received by Contract Project Management Section: _____ Date: _____
9. Review Started: _____ Reviewer Signature: _____
10. Total time spent on review: _____ Date review completed: _____
11. Copied (xeroxed) by: Willie Green Date: 3-13-85
12. Mailed to Data User by: Willie Green, for Date: 3-13-85

TO DATA USERS:

Please fill in the blanks and return this form to:

Charles Elly, DPO, Region V, 5SCRL

13. Data received by: _____ Date: _____
14. Q.A. review received by: _____ Date: _____
15. Received by CRL - CPM Section for file by: _____

Date: _____

P.3

APR 0 5 1985

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 3/11/85

SUBJECT: Review of Region V CLP Data
Received for Review on _____

FROM: Curtis Ross, Director (5SCRL)
Central Regional Laboratory

TO: Data User: _____

We have reviewed the data for the following case(s).

SITE NAME: _____ SMO Case No. _____

EPA Data Set No. _____ No. of Samples: 1 D.U./Activity Numbers 1C48500

CRL No. _____

SMO Traffic No. _____

CLP Laboratory: _____ Hrs. Required for Review: _____

Following are our findings.

Re-submitted data sheets for volatiles

( ) Data are acceptable for use.
( ) Data are acceptable for use with qualifications noted above.
( ) Data are preliminary - pending verification by Contractor Laboratory.
( ) Data are unacceptable.

cc: Dr. Alfred Haeberer/Joan Fisk/Gary Ward, EPA Support Services
Ross K. Robeson, EMSL-Las Vegas
Don Trees, CLP/Sample Management Office

P.4

EPA FORM 1320-6 (REV 3-78)

Environmental Protection Agency, CLP Sample Management Office,
Box 818, Alexandria, Virginia 22313 703/557/2490

: Sample Number :
EA233 :

85022685889 Well G101 upgradient

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: S-CURED
Sample ID No: EA233DV2 (WA) 1
Matrix: WATER
Release Authorized By: JW

Case No: 3569
QC Report No: N.A
Contract No: 68-01-6868
Data Sample Received: 01-11-85

RECEIVED MAR 29 1985

VOLATILE COMPOUNDS
Concentration: (Low) Medium (Circle one)
Date Extracted/Prepared: 01-14-85
Date Analyzed: 01-14-85
Conc/Dil Factor: 0.10 ~~10.0~~ pH: NA
Percent Moisture: NA
Percent Moisture (Decanted): N A

		(ug/l) or ug/kg (Circle One)	CAS Number		(ug/l) or ug/kg (circle one)
-1	CHLOROMETHANE	100 u	79-34-5	1,1,2,2-TETRACHLOROETHANE	50 u
-2	BROMOMETHANE	100 u	78-87-5	1,2-DICHLOROPROPANE	50 u
-4	VINYL CHLORIDE	100 u	10061-02-6	TRANS-1,3-DICHLOROPROPENE	50 u
-1	CHLOROETHANE	100 u	79-01-6	TRICHLOROETHENE	50 u
-2	METHYLENE CHLORIDE	50 u	124-48-1	DIBROMOCHLOROMETHANE	50 u
-1	ACETONE	480	79-00-5	1,1,2-TRICHLOROETHANE	50 u
-2	CARBON DISULFIDE	50 u	71-43-2	BENZENE	50 u
-4	1,1-DICHLOROETHENE	50 u	10061-01-5	CIS-1,3-DICHLOROPROPENE	50 u
-2	1,1-DICHLOROETHANE	50 u	110-75-8	2-CHLOROETHYLVINYLETHER	100 u
-5	TRANS-1,2-DICHLOROETHENE	50 u	75-25-2	BROMOFORM	50 u
-2	CHLOROFORM	50 u	591-78-6	2-HEXANONE	100 u
-2	1,2-DICHLOROETHANE	50 u	108-10-1	4-METHYL-2-PENTANONE	100 u
-2	2-BUTANONE	100 u	127-18-4	TETRACHLOROETHENE	50 u
-6	1,1,1-TRICHLOROETHANE	50 u	108-88-3	TOLUENE	50 u
-5	CARBON TETRACHLORIDE	50 u	108-90-7	CHLOROBENZENE	50 u
-4	VINYL ACETATE	100 u	100-41-4	ETHYLBENZENE	50 u
-4	BROMODICHLOROMETHANE	50 u	100-42-5	STYRENE	50 u
				TOTAL XYLENES	50 u

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifier are used. Additional flags or footnotes explaining results are encouraged.However,the definition of each flag must be explicit.

If the result is a value greater than or equal to the detection limit,report the value.

U indicates compound was analyzed for but not detected.Report the minimum detection limit for the sample with the U (eg.10U) based on necessay concentration/dilution actions.(this is not necessarily the instrument detection limit.)The footnotes should read:U-Compound was analyzed for but not detecded.The number is the minimum attainable detection limit for the sample.

J indicates an estimated value:This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (eg.10J)

C this flag applies to pesticide parameters where the identification has been confirmed by GC/MS.Single component pesticides > or = 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when analyte is found in the blank as well as sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

S Matrix spiked compound.

P.5

85M06589

: Sample Number :
EA233 : G101

Protection Agency, CLP Sample Management Office,
, Alexandria, Virginia 22313/703/557-2490

ORGANIC ANALYSIS DATA SHEET
(Page 2)

RECEIVED MAR 29 1985

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 01-11-85
Date Analyzed: 01-17-85
Conc/Dil Factor: 1.0

		ug/l or ug/kg (Circle one)	CAS Number		ug/l or ug/kg (circle one)
1	N-NITROSODIMETHYLAMINE	10 u	83-32-9	ACENAPHTHENE	10 u
2	PHENOL	10 u	51-28-5	2,4-DINITROPHENOL	50 u
3	ANILINE	10 u	100-02-7	4-NITROPHENOL	50 u
4	BIS(2-CHLOROETHYL)ETHER	10 u	132-64-9	DIBENZOFURAN	10 u
5	2-CHLOROPHENOL	10 u	121-14-2	2,4-DINITROTOLUENE	10 u
6	1-3,DICHLOROBENZENE	10 u	606-20-2	2,6-DINITROTOLUENE	10 u
7	1,4-DICHLOROBENZENE	10 u	84-66-2	DIETHYLPHTHALATE	10 u
8	BENZYL ALCOHOL	10 u	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10 u
9	1,2-DICHLOROBENZENE	10 u	86-73-7	FLUORENE	10 u
10	2-METHYLPHENOL	10 u	100-01-6	4-NITROANILINE	50 u
11	BIS(2-CHLOROISOPROPYL)ETHER	10 u	534-52-1	4,6-DINITRO-2-METHYLPHENOL	50 u
12	4-METHYLPHENOL	10 u	86-30-6	N-NITROSODIPHENYLAMINE (1)	10 u
13	N-NITROSO-DI-N-PROPYLAMINE	10 u	101-55-3	4-BROMOPHENYL-PHENYLETHER	10 u
14	HEXACHLOROETHANE	10 u	118-74-1	HEXACHLOROBENZENE	10 u
15	NITROBENZENE	10 u	87-86-5	PENTACHLOROPHENOL	50 u
16	ISOPHORONE	10 u	85-01-8	PHENANTHRENE	10 u
17	2-NITROPHENOL	10 u	120-12-7	ANTHRACENE	10 u
18	2,4-DIMETHYLPHENOL	10 u	84-74-2	DI-N-BUTYLPHTHALATE	10 JB
19	BENZOIC ACID	50 u	206-44-0	FLUORANTHENE	10 u
20	BIS(2-CHLOROETHOXY)METHANE	10 u	92-87-5	BENZIDINE	100 u
21	2,4-DICHLOROPHENOL	10 u	129-00-0	PYRENE	10 u
22	1,2,4-TRICHLOROBENZENE	10 u	85-68-7	BUTYLBENZYLPHTHALATE	10 u
23	NAPHTHALENE	10 u	91-94-1	3,3'-DICHLOROBENZIDINE	20 u
24	4-CHLOROANILINE	10 u	56-55-3	BENZO(a)ANTHRACENE	10 u
25	HEXACHLOROBUTADIENE	10 u	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10 J
26	4-CHLORO-3-METHYLPHENOL	10 u	218-01-9	CHRYSENE	10 u
27	2-METHYLNAPHTHALENE	10 u	117-84-0	DI-N-OCTYL PHTHALATE	10 u
28	HEXACHLOROCYCLOPENTADIENE	10 u	205-99-2	BENZO(b)FLUORANTHENE	10 u
29	2,4,6-TRICHLOROPHENOL	10 u	207-08-9	BENZO(k)FLUORANTHENE	10 u
30	2,4,5-TRICHLOROPHENOL	50 u	50-32-8	BENZO(a)PYRENE	10 u
31	2-CHLORONAPHTHALENE	10 u	193-39-5	INDENO(1,2,3-CD)PYRENE	10 u
32	2-NITROANILINE	50 u	53-70-3	DIBENZ(a,h)ANTHRACENE	10 u
33	DIMETHYL PHTHALATE	10 u	191-24-2	BENZO(ghi)PERYLENE	10 u
34	ACENAPHTHYLENE	10 u			
35	3-NITROANILINE	50 u			

(1)-Cannot be separated from diphenylamine

P.6

Protection Agency, CLP Sample Management Office
Alexandria, Virginia 22312-703/557-2490

85M7106587
Sample Number
EA 233

G101

ORGANICS ANALYSIS DATA SHEET
(Page 3)

Pesticide/PCBs

RECEIVED MAR 29 1985

Concentration: LOW
Date Extracted/Prepared: 1/11/85
Date Analyzed: 1/24/85
Conc/Dil Factor: 1.00

CAS # Number		ug/l or ug/Kg (Circle One)
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
7421-93-4	ENDRIN ALDEHYDE	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
57-74-9	CHLORDANE	0.50 u
8001-35-2	TOXAPHENE	1.0 u
12674-11-2	AROCLOR-1016	0.50 u
11104-28-2	AROCLOR-1221	0.50 u
11141-16-5	AROCLOR-1232	0.50 u
53469-21-9	AROCLOR-1242	0.50 u
12672-29-6	AROCLOR-1248	0.50 u
11097-69-1	AROCLOR-1254	1.0 u
11096-82-5	AROCLOR-1260	1.0 u

Volume of water extracted (ml): 1000
Weight of sample extracted (g): N.A.
Volume of total extract (ml): 10
Volume of extract injected (ul): 1

Form I

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CLP Sample Management Office
Vienna, Virginia 22182 703 557 2490

Organics Analysis Data Sheet
(Page 4)

G101

Tentatively Identified Compounds

RECEIVED MAR 29 1985

	CAS Number	Compound Name	Fraction	Scan Number	Estimated Concentration (ug/l or ug/kg)
1	NA	UNKNOWN	VOA	118	40 J
2	109-99-9	Tetrahydrofuran	VOA	223	110 J
3	NA	UNKNOWN	EXT	275	54 J
4	191-05-7	Hexane	EXT	293	680 J
5	NA	UNKNOWN HYDROCARBON	EXT	418	2-5 JB
6	68-12-2	Dimethyl Formamide	EXT	384	7.0 J
7	822-67-3	2-Cyclohexen-1-ol	EXT	541	9.2 J
8	930-68-7	2-Cyclohexen-1-one	EXT	579	12 J
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
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29					
30					

P. 8

:ection Agency, CLP Sample Management Office,
:andria, Virginia 22313 703/557/2490

85MW06S90

: Sample Number :
EA234 :

Well
G103
Downgradient

ORGANICS ANALYSIS DATA SHEET
(Page 1)

S-CUBED
EA234DV (VTA)
WATER
:ized By: pw

Case No: 3569
QC Report No: N.A
Contract No: 68-01-6868
Data Sample Received: 01-11-85

VOLATILE COMPOUNDS
Concentration: Low Medium (Circle one)
Date Extracted/Prepared: 01-14-85
Date Analyzed: 01-14-85
Conc/Dil Factor: 0.01 ~~100.0~~ pH: NA
Percent Moisture: NA
Percent Moisture (Decanted): N A

RECEIVED MAR 2 9 1985

	ug/l or ug/kg (Circle One)	CAS Number		ug/l or ug/kg (circle one)
:SOMETHANE	1000 u	79-34-5	1,1,2,2-TETRACHLOROETHANE	500 u
:OMETHANE	1000 u	78-87-5	1,2-DICHLOROPROPANE	500 u
:L CHLORIDE	1000 u	10061-02-6	TRANS-1,3-DICHLOROPROPENE	500 u
:ROETHANE	1000 u	79-01-6	TRICHLOROETHENE	500 u
:YLENE CHLORIDE	500 u	124-48-1	DIBROMOCHLOROMETHANE	500 u
:ONE	34000	79-00-5	1,1,2-TRICHLOROETHANE	500 u
:BON DISULFIDE	500 u	71-43-2	BENZENE	500 u
:-DICHLOROETHENE	500 u	10061-01-5	CIS-1,3-DICHLOROPROPENE	500 u
:-DICHLOROETHANE	500 u	110-75-8	2-CHLOROETHYLVINYLETHER	1000 u
:NS-1,2-DICHLOROETHENE	500 u	75-25-2	BROMOFORM	500 u
:ROFORM	500 u	591-78-6	2-HEXANONE	1000 u
:-DICHLOROETHANE	500 u	108-10-1	4-METHYL-2-PENTANONE	1000 u
:TANONE	1000 u	127-18-4	TETRACHLOROETHENE	500 u
:,2-TRICHLOROETHANE	500 u	108-88-3	TOLUENE	500 u
:BON TETRACHLORIDE	500 u	108-90-7	CHLOROBENZENE	500 u
:NYL ACETATE	1000 u	100-41-4	ETHYLBENZENE	500 u
:OMODICHLOROMETHANE	500 u	100-42-5	STYRENE	500 u
			TOTAL XYLENES	500 u

Data Reporting Qualifiers

:eporting results to EPA, the following results qualifier are used. Additional flags or footnotes :ing results are encouraged. However, the definition of each flag must be explicit.

: result is a value greater than or equal to the :ion limit, report the value.

:ompound was analyzed for but not detected. Report :detection limit for the sample with the U (eg. 10U) :ecessary concentration/dilution actions. (this is :ally the instrument detection limit.) The footnotes :ed-Compound was analyzed for but not detected. The :e minimum attainable detection limit for the sample.

: estimated value: This flag is used either when :a concentration for tentatively identified compounds :response is assumed or when the mass spectral data :the presence of a compound that meets the identification :the result is less than the specified detection limit :than zero. (eg. 10J)

C this flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides > or = 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when analyte is found in the blank as well as sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

S Matrix spiked compound.

P.9

85177665 70

: Sample Number :
EA234 : 6103

Protection Agency, CLP Sample Management Office,
Alexandria, Virginia 22313 703/557-2490

ORGANIC ANALYSIS DATA SHEET
(Page 2)

RECEIVED

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 01-11-85
Date Analyzed: 01-17-85
Dilution Factor: 1.0

	ug/l or ug/kg (circle one)	CAS Number		ug/l or ug/kg (circle one)
N-NITROSODIMETHYLAMINE	10 u	83-32-9	ACENAPHTHENE	10 u
PHENOL	10 u	51-28-5	2,4-DINITROPHENOL	50 u
ANILINE	10 u	100-02-7	4-NITROPHENOL	50 u
BIS(2-CHLOROETHYL)ETHER	10 u	132-64-9	DIBENZOFURAN	10 u
2-CHLOROPHENOL	10 u	121-14-2	2,4-DINITROTOLUENE	10 u
1,3-DICHLOROBENZENE	10 u	606-20-2	2,6-DINITROTOLUENE	10 u
1,4-DICHLOROBENZENE	10 u	84-66-2	DIETHYLPHTHALATE	10 u
BENZYL ALCOHOL	10 u	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10 u
1,2-DICHLOROBENZENE	10 u	86-73-7	FLUORENE	10 u
2-METHYLPHENOL	10 u	100-01-6	4-NITROANILINE	50 u
BIS(2-CHLOROISOPROPYL)ETHER	10 u	534-52-1	4,6-DINITRO-2-METHYLPHENOL	50 u
4-METHYLPHENOL	10 u	86-30-6	N-NITROSODIPHENYLAMINE (1)	10 u
N-NITROSO-DI-N-PROPYLAMINE	10 u	101-55-3	4-BROMOPHENYL-PHENYLETHER	10 u
HEXACHLOROETHANE	10 u	118-74-1	HEXACHLOROBENZENE	10 u
NITROBENZENE	10 u	87-86-5	PENTACHLOROPHENOL	50 u
ISOPHORONE	10 u	85-01-8	PHENANTHRENE	10 u
2-NITROPHENOL	10 u	120-12-7	ANTHRACENE	10 u
2,4-DIMETHYLPHENOL	10 u	84-74-2	DI-N-BUTYLPHTHALATE	10 JB
BENZOIC ACID	50 u	206-44-0	FLUORANTHENE	10 u
BIS(2-CHLOROETHOXY)METHANE	10 u	92-87-5	BENZIDINE	100 u
2,4-DICHLOROPHENOL	10 u	129-00-0	PYRENE	10 u
1,2,4-TRICHLOROBENZENE	10 u	85-68-7	BUTYLBENZYLPHTHALATE	10 u
NAPHTHALENE	10 u	91-94-1	3,3'-DICHLOROBENZIDINE	20 u
4-CHLOROANILINE	10 u	56-55-3	BENZO(a)ANTHRACENE	10 u
HEXACHLOROBUTADIENE	10 u	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10 u
4-CHLORO-3-METHYLPHENOL	10 u	218-01-9	CHRYSENE	10 u
2-METHYLNAPHTHALENE	10 u	117-84-0	DI-N-OCTYL PHTHALATE	10 u
HEXACHLOROCYCLOPENTADIENE	10 u	205-99-2	BENZO(b)FLUORANTHENE	10 u
2,4,6-TRICHLOROPHENOL	10 u	207-08-9	BENZO(k)FLUORANTHENE	10 u
2,4,5-TRICHLOROPHENOL	50 u	50-32-8	BENZO(a)PYRENE	10 u
2-CHLORONAPHTHALENE	10 u	193-39-5	INDENO(1,2,3-CD)PYRENE	10 u
2-NITROANILINE	50 u	53-70-3	DIBENZ(a,h)ANTHRACENE	10 u
DIMETHYL PHTHALATE	10 u	191-24-2	BENZO(ghi)PERYLENE	10 u
ACENAPHTHYLENE	10 u			
3-NITROANILINE	50 u			

(1)-Cannot be separated from diphenylamine

P.10

85M1146590

Sample Number

EA 234

G103

Agency, CLP Sample Management Office
Office, Virginia 22313-703/557-2490

RECEIVED MAR 29 1985

ORGANICS ANALYSIS DATA SHEET
(Page 3)

Pesticide/PCBs

Concentration: LOW
Date Extracted/Prepared: 1/11/85
Date Analyzed: 1/24/85
Conc/Dil Factor: 1.00

CAS # Number		ug/l or ug/Kg (Circle One)
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
7421-93-4	ENDRIN ALDEHYDE	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
57-74-9	CHLORDANE	0.50 u
8001-35-2	TOXAPHENE	1.0 u
12674-11-2	AROCLOR-1016	0.50 u
11104-28-2	AROCLOR-1221	0.50 u
11141-16-5	AROCLOR-1232	0.50 u
53469-21-9	AROCLOR-1242	0.50 u
12672-29-6	AROCLOR-1248	0.50 u
11097-69-1	AROCLOR-1254	1.0 u
11096-82-5	AROCLOR-1260	1.0 u

Volume of water extracted (ml): 1000
Weight of sample extracted (g): N.A.
Volume of total extract (ml): 10
Volume of extract injected (ul): 1

Form 1

P.11

Organics Analysis Data Sheet
(Page 4)

G103

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Tentatively Identified Compounds

	Compound Name	Fraction	Scan Number	Estimated Concentration (ug/l or ug/kg)
	UNKNOWN	VOA	49	92 JB
	UNKNOWN HYDROCARBON	EXT	[illegible]	[illegible]
	UNKNOWN	EXT	1726	13 J
	UNKNOWN	EXT	1763	13 J
	UNKNOWN	EXT	1776	23 J
	UNKNOWN	EXT	1790	23 J
	UNKNOWN	EXT	1801	17 J
	UNKNOWN	EXT	1809	19 J
	UNKNOWN	EXT	1818	14 J
	UNKNOWN	EXT	1830	24 J
	UNKNOWN	EXT	1834	19 J
	UNKNOWN	EXT	1856	79 J
	UNKNOWN	EXT	1863	85 J
	UNKNOWN	EXT	1873	49 J
	UNKNOWN	EXT	1879	71 J
	UNKNOWN	EXT	1892	52 J
	UNKNOWN	EXT	1900	61 J
	UNKNOWN	EXT	1931	54 J
	UNKNOWN	EXT	1977	46 J
	UNKNOWN	EXT	2030	67 J
	UNKNOWN	EXT	2050	50 J
	UNKNOWN	EXT	1947	1000 J

Form 1, Part B

P.12

4/94

Protection Agency, CLP Sample Management Office,
Alexandria, Virginia 22313 703/557/2490

- 55MC6593

Sample Number
EA239

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Leachate 1

: S-CURED
.o: EA239DV2 (VCA)
SOIL
uthorized By: pw

Case No: 3569
QC Report No: N.A
Contract No: 68-01-6868
Data Sample Received: 01-11-85

VOLATILE COMPOUNDS
Concentration: Low Medium (Circle one)
Date Extracted/Prepared: 01-15-85
Date Analyzed: 01-15-85
Conc/Dil Factor: 10 pH: 7.9
Percent Moisture: 29
Percent Moisture (Decanted): N A

RECEIVED MAR 29 1985

	ug/l or ug/kg (Circle One)	CAS Number		ug/l or ug/kg (circle one)
CHLOROMETHANE	140 u	79-34-5	1,1,2,2-TETRACHLOROETHANE	70 u
BROMOMETHANE	140 u	78-87-5	1,2-DICHLOROPROPANE	70 u
VINYL CHLORIDE	140 u	10061-02-6	TRANS-1,3-DICHLOROPROPENE	70 u
CHLOROETHANE	140 u	79-01-6	TRICHLOROETHENE	70 u
METHYLENE CHLORIDE	91	124-48-1	DIBROMOCHLOROMETHANE	70 u
ACETONE	3000	79-00-5	1,1,2-TRICHLOROETHANE	70 u
CARBON DISULFIDE	70 J	71-43-2	BENZENE	70 u
1,1-DICHLOROETHENE	70 u	10061-01-5	CIS-1,3-DICHLOROPROPENE	70 u
1,1-DICHLOROETHANE	70 u	110-75-8	2-CHLOROETHYLVINYLETHER	140 u
TRANS-1,2-DICHLOROETHENE	70 u	75-25-2	BROMOFORM	70 u
CHLOROFORM	70 u	591-78-6	2-HEXANONE	140 u
1,2-DICHLOROETHANE	70 u	108-10-1	4-METHYL-2-PENTANONE	140 u
2-BUTANONE	13000	127-18-4	TETRACHLOROETHENE	70 u
1,1,1-TRICHLOROETHANE	70 u	108-88-3	TOLUENE	70 J
CARBON TETRACHLORIDE	70 u	108-90-7	CHLOROBENZENE	70 u
VINYL ACETATE	140 u	100-41-4	ETHYLBENZENE	70 u
BROMODICHLOROMETHANE	70 u	100-42-5	STYRENE	70 u
			TOTAL XYLENES	70 u

Data Reporting Qualifiers

' reporting results to EPA, the following results qualifier are used. Additional flags or footnotes
clarning results are encouraged.However,the definition of each flag must be explicit.

'he result is a value greater than or equal to the
ction limit,report the value.
s compound was analyzed for but not detected.Report
.e detection limit for the sample with the U (eg.10U)
necessay concentration/dilution actions.(this is
essarily the instrument detection limit.)The footnotes
ead:U-Compound was analyzed for but not detected.The
s the minimum attainable detection limit for the sample.
s an estimated value:This flag is used either when
ing a concentration for tentatively identified compounds
1:1 response is assumed or when the mass spectral data
s the presence of a compound that meets the identification
but the result is less than the specified detection limit
ter than zero. (eg.10J)

C this flag applies to pesticide parameters where the identification has been confirmed by GC/MS.Single component pesticides > or = 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when analyte is found in the blank as well as sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

S Matrix spiked compound.

P. 13

857111 6593

: Sample Number :
EA239 :

Lockport 1

ection Agency, CLP Sample Management Office,
exandria, Virginia 22313 703/557-2490

ORGANIC ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

RECEIVED MAR 29 1985

tration: (Low) Medium (Circle One)
Extracted/Prepared: 01-14-85
Analyzed: 01-23-85
Dil Factor: 0.8

	ug/l or ug/kg (Circle one)	CAS Number		ug/l or ug/Kg (circle one)
-NITROSODIMETHYLAMINE	580 u	83-32-9	ACENAPHTHENE	580 u
HENOL	800	51-28-5	2,4-DINITROPHENOL	2800 u
NILINE	580 u	100-02-7	4-NITROPHENOL	2800 u
IS(2-CHLOROETHYL)ETHER	580 u	132-64-9	DIBENZOFURAN	580 u
-CHLOROPHENOL	580 u	121-14-2	2,4-DINITROTOLUENE	580 u
-3,DICHLOROBENZENE	580 u	606-20-2	2,6-DINITROTOLUENE	580 u
,4-DICHLOROBENZENE	580 u	84-66-2	DIETHYLPHTHALATE	580 u
ENZYL ALCOHOL	580 u	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	580 u
,2-DICHLOROBENZENE	580 u	86-73-7	FLUORENE	580 u
-METHYLPHENOL	580 u	100-01-6	4-NITROANILINE	2800 u
IS(2-CHLOROISOPROPYL)ETHER	580 u	534-52-1	4,6-DINITRO-2-METHYLPHENOL	2800 u
4-METHYLPHENOL	3700	86-30-6	N-NITROSODIPHENYLAMINE (1)	580 u
N-NITROSO-DI-N-PROPYLAMINE	580 u	101-55-3	4-BROMOPHENYL-PHENYLETHER	580 u
HEXACHLOROETHANE	580 u	118-74-1	HEXACHLOROBENZENE	580 u
NITROBENZENE	580 u	87-86-5	PENTACHLOROPHENOL	2800 u
ISOPHRONE	580 u	85-01-8	PHENANTHRENE	580 u
-NITROPHENOL	580 u	120-12-7	ANTHRACENE	580 u
2,4-DIMETHYLPHENOL	580 u	84-74-2	DI-N-BUTYLPHTHALATE	580 JB
ENZOIC ACID	4500	206-44-0	FLUORANTHENE	580 u
BIS(2-CHLOROETHOXY)METHANE	580 u	92-87-5	BENZIDINE	2800 u
2,4-DICHLOROPHENOL	580 u	129-00-0	PYRENE	580 u
1,2,4-TRICHLOROBENZENE	580 u	85-68-7	BUTYLBENZYLPHTHALATE	580 u
APHTHALENE	580 u	91-94-1	3,3'-DICHLOROBENZIDINE	1200 u
4-CHLOROANILINE	580 u	56-55-3	BENZO(a)ANTHRACENE	580 u
HEXACHLOROBUTADIENE	580 u	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	580 J
4-CHLORO-3-METHYLPHENOL	580 u	218-01-9	CHRYSENE	580 u
2-METHYLNAPHTHALENE	580 u	117-84-0	DI-N-OCTYL PHTHALATE	580 u
HEXACHLOROCYCLOPENTADIENE	580 u	205-99-2	BENZO(b)FLUORANTHENE	580 u
2,4,6-TRICHLOROPHENOL	580 u	207-08-9	BENZO(k)FLUORANTHENE	580 u
2,4,5-TRICHLOROPHENOL	2800 u	50-32-8	BENZO(a)PYRENE	580 u
2-CHLORONAPHTHALENE	580 u	193-39-5	INDENO(1,2,3-CD)PYRENE	580 u
2-NITROANILINE	2800 u	53-70-3	DIBENZ(a,h)ANTHRACENE	580 u
DIMETHYL PHTHALATE	580 u	191-24-2	BENZO(ghi)PERYLENE	580 u
ACENAPHTHYLENE	580 u			
3-NITROANILINE	2800 u			

(1)-Cannot be separated from diphenylamine

P.14

Agency, CLP Sample Management Office
Va. Virginia 22313-703/557-2490

86M1C0513
Sample Number
EA 239

Leachate 1

ORGANICS ANALYSIS DATA SHEET
(Page 3)

Pesticide/PCBs

Concentration: LOW
Date Extracted/Prepared: 1/14/85
Date Analyzed: 2/3/85
Conc/Dil Factor: 1.0 ~~1.41~~

CAS # Number		ug/l or ug/Kg (Circle One)
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)	2.8 u
76-44-8	HEPTACHLOR	2.8 ~~J~~
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	5.6 u
72-55-9	4,4'-DDE	5.6 u
72-20-8	ENDRIN	5.6 u
33213-65-9	ENDOSULFAN II	5.6 u
72-54-8	4,4'-DDD	5.6 u
7421-93-4	ENDRIN ALDEHYDE	5.6 u
1031-07-8	ENDOSULFAN SULFATE	5.6 u
50-29-3	4,4'-DDT	5.6 u
72-43-5	METHOXYCHLOR	28 u
53494-70-5	ENDRIN KETONE	5.6 u
57-74-9	CHLORDANE	28 u
8001-35-2	TOXAPHENE	56 u
12674-11-2	AROCLOR-1016	28 u
11104-28-2	AROCLOR-1221	28 u
11141-16-5	AROCLOR-1232	28 u
53469-21-9	AROCLOR-1242	28 u
12672-29-6	AROCLOR-1248	28 u
11097-69-1	AROCLOR-1254	56 u
11096-82-5	AROCLOR-1260	56 u

Volume of water extracted (ml): N.A.
Weight of sample extracted (g): 30
Volume of total extract (ml): 5
Volume of extract injected (ul): 1

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Form I

Contract Laboratory Program, CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 703/557-2490

Sample Number
EA239

Location 1

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

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	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.	NA	UNKNOWN	VOA	60	210 J
2.	NA	UNKNOWN	VOA	70	180 J
3.	NA	UNKNOWN	VOA	81	220 J
4.	616-38-6	Carbonic acid, dimethylester	VOA	317	310 J
5.	554-12-1	Propanoic acid, methylester	VOA	332	120 J
6.	NA	UNKNOWN C_{10} hydrocarbon	VOA	441	140 J
7.	110-83-8	CYCLOHEXENE	EXT	261	4700 J
8.	142-82-5	HEPTANE	EXT	279	3600 JB
9.	NA	UNKNOWN ACID	EXT	365	780 J
10.	15970-10-7	Methyl-heptene	EXT	382	920 JB
11.	NA	UNKNOWN $C_6H_{10}O$	EXT	399	950 JB
12.	NA	UNKNOWN Hydrocarbon	EXT	406	1100 JB
13.	NA	UNKNOWN	EXT	484	1500 JB
14.	NA	UNKNOWN C_2-Benzene	EXT	498	1400 JB
15.	NA	UNKNOWN C_2-Benzene	EXT	510	2000 JB
16.	NA	UNKNOWN C_2-Benzene	EXT	542	910 JB
17.	NA	UNKNOWN	EXT	576	600 JB
18.	NA	UNKNOWN ACID	EXT	604	1000 J
19.	100-52-7	BENZALDEHYDE	EXT	633	3800 J
20.	NA	UNKNOWN	EXT	673	590 J
21.	98-89-5	CYCLOHEXANECARBOXYLIC ACID	EXT	844	1700 J
22.	103-82-2	BENZENEACETIC ACID	EXT	941	790 J
23.	NA	UNKNOWN	EXT	1154	750 J
24.	50-99-2	Dihydro-trimethyl-Purine-Dione	EXT	1394	910 J
25.	NA	UNKNOWN ACID	EXT	1632	3700 JB
26.	NA	UNKNOWN Aliphatic hydrocarbon	EXT	1919	12000 J
27.					
28.					
29.					
30.					

85M1206592 Surface water

l Protection Agency, CLP Sample Management Office,
, Alexandria, Virginia 22313 703/557/2490

Sample Number
EA237 : SW1

ORGANICS ANALYSIS DATA SHEET
(Page 1)

e: S-CURED
No: EA237V2 (VOA) EA237DL (ABN)
WATER
thorized By: JW

Case No: 3569
QC Report No: N.A
Contract No: 68-01-6868
Data Sample Received: 01-11-85

RECEIVED MAR 29 1985

VOLATILE COMPOUNDS
Concentration: Low Medium (Circle one)
Date Extracted/Prepared: 01-15-85
Date Analyzed: 01-15-85
Conc/Dil Factor: 1.0 pH: NA
Percent Moisture: NA
Percent Moisture (Decanted): N A

	ug/l or ug/kg (Circle One)	CAS Number		ug/l or ug/kg (circle one)
LOROMETHANE	10 u	79-34-5	1,1,2,2-TETRACHLOROETHANE	5 u
ROMOMETHANE	10 u	78-87-5	1,2-DICHLOROPROPANE	5 u
YL CHLORIDE	10 u	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5 u
LOROETHANE	10 u	79-01-6	TRICHLOROETHENE	5 u
THYLENE CHLORIDE	5 J	124-48-1	DIBROMOCHLOROMETHANE	5 u
ETONE	570	79-00-5	1,1,2-TRICHLOROETHANE	5 u
RBON DISULFIDE	5 u	71-43-2	BENZENE	5 u
-DICHLOROETHENE	5 u	10061-01-5	CIS-1,3-DICHLOROPROPENE	5 u
-DICHLOROETHANE	5 u	110-75-8	2-CHLOROETHYLVINYLETHER	10 u
ANS-1,2-DICHLOROETHENE	5 u	75-25-2	BROMOFORM	5 u
LOROFORM	5 u	591-78-6	2-HEXANONE	10 u
-DICHLOROETHANE	5 u	108-10-1	4-METHYL-2-PENTANONE	10 u
BUTANONE	2400	127-18-4	TETRACHLOROETHENE	5 u
-TRICHLOROETHANE	5 u	108-88-3	TOLUENE	5 u
RBON TETRACHLORIDE	5 u	108-90-7	CHLOROBENZENE	5 u
NYL ACETATE	10 u	100-41-4	ETHYLBENZENE	5 u
ROMODICHLOROMETHANE	5 u	100-42-5	STYRENE	5 u
			TOTAL XYLENES	5 u

Data Reporting Qualifiers

eporting results to EPA, the following results qualifier are used. Additional flags or footnotes
ting results are encouraged. However, the definition of each flag must be explicit.

esult is a value greater than or equal to the
limit, report the value.
ompound was analyzed for but not detected. Report
detection limit for the sample with the U (eg. 10U)
ssay concentration/dilution actions. (this is
ly the instrument detection limit.) The footnotes
-compound was analyzed for but not detected. The
minimum attainable detection limit for the sample.
estimated value: This flag is used either when
a concentration for tentatively identified compounds
response is assumed or when the mass spectral data
presence of a compound that meets the identification
the result is less than the specified detection limit

C this flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides > or = 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when analyte is found in the blank as well as sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

S Matrix spiked compound.

P.17

85M06592

: Sample Number :
EA237 :

SW1

Protection Agency, CLP Sample Management Office,
Alexandria, Virginia 22313 703/557-2490

ORGANIC ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 01-11-85
Date Analyzed: 01-17-85
Dilution Factor: ~~500~~ 0.02

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	ug/l or ug/kg (Circle one)	CAS Number		ug/l or ug/Kg (circle one)
N-NITROSODIMETHYLAMINE	500 u	83-32-9	ACENAPHTHENE	500 u
PHENOL	500 J	51-28-5	2,4-DINITROPHENOL	2500 u
ANILINE	500 u	100-02-7	4-NITROPHENOL	2500 u
BIS(2-CHLOROETHYL)ETHER	500 u	132-64-9	DIBENZOFURAN	500 u
2-CHLOROPHENOL	500 u	121-14-2	2,4-DINITROTOLUENE	500 u
1,3-DICHLOROBENZENE	500 u	606-20-2	2,6-DINITROTOLUENE	500 u
1,4-DICHLOROBENZENE	500 u	84-66-2	DIETHYLPHTHALATE	500 u
BENZYL ALCOHOL	500 u	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	500 u
1,2-DICHLOROBENZENE	500 u	86-73-7	FLUORENE	500 u
2-METHYLPHENOL	500 u	100-01-6	4-NITROANILINE	2500 u
BIS(2-CHLOROISOPROPYL)ETHER	500 u	534-52-1	4,6-DINITRO-2-METHYLPHENOL	2500 u
4-METHYLPHENOL	500 J	86-30-6	N-NITROSODIPHENYLAMINE (1)	500 u
N-NITROSO-DI-N-PROPYLAMINE	500 u	101-55-3	4-BROMOPHENYL-PHENYLETHER	500 u
HEXACHLOROETHANE	500 u	118-74-1	HEXACHLOROBENZENE	500 u
NITROBENZENE	500 u	87-86-5	PENTACHLOROPHENOL	2500 u
ISOPHORONE	500 u	85-01-8	PHENANTHRENE	500 u
2-NITROPHENOL	500 u	120-12-7	ANTHRACENE	500 u
2,4-DIMETHYLPHENOL	500 u	84-74-2	DI-N-BUTYLPHTHALATE	500 u
BENZOIC ACID	2500 J	206-44-0	FLUORANTHENE	500 u
BIS(2-CHLOROETHOXY)METHANE	500 u	92-87-5	BENZIDINE	5000 u
2,4-DICHLOROPHENOL	500 u	129-00-0	PYRENE	500 u
1,2,4-TRICHLOROBENZENE	500 u	85-68-7	BUTYLBENZYLPHTHALATE	500 u
NAPHTHALENE	500 u	91-94-1	3,3'-DICHLOROBENZIDINE	1000 u
4-CHLOROANILINE	500 u	56-55-3	BENZO(a)ANTHRACENE	500 u
HEXACHLOROBUTADIENE	500 u	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	500 u
4-CHLORO-3-METHYLPHENOL	500 u	218-01-9	CHRYSENE	500 u
2-METHYLNAPHTHALENE	500 u	117-84-0	DI-N-OCTYL PHTHALATE	500 u
HEXACHLOROCYCLOPENTADIENE	500 u	205-99-2	BENZO(b)FLUORANTHENE	500 u
2,4,6-TRICHLOROPHENOL	500 u	207-08-9	BENZO(k)FLUORANTHENE	500 u
2,4,5-TRICHLOROPHENOL	2500 u	50-32-8	BENZO(a)PYRENE	500 u
2-CHLORONAPHTHALENE	500 u	193-39-5	INDENO(1,2,3-CD)PYRENE	500 u
2-NITROANILINE	2500 u	53-70-3	DIBENZ(a,h)ANTHRACENE	500 u
DIMETHYL PHTHALATE	500 u	191-24-2	BENZO(ghi)PERYLENE	500 u
ACENAPHTHYLENE	500 u			
3-NITROANILINE	2500 u			

(1)-Cannot be separated from diphenylamine

P.18

...ection Agency, CLP Sample Management Office
...andria, Virginia 22313-703/557-2490

Sample Number
EA 237

85711665 92 -

SW1

ORGANICS ANALYSIS DATA SHEET
(Page 3)

Pesticide/PCBs

Concentration: LOW
Date Extracted/Prepared: 1/11/85
Date Analyzed: 1/24/85
Conc/Dil Factor: 1.00

CAS # Number		ug/l or ug/Kg (Circle One)
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
7421-93-4	ENDRIN ALDEHYDE	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
57-74-9	CHLORDANE	0.50 u
8001-35-2	TOXAPHENE	1.0 u
12674-11-2	AROCLOR-1016	0.50 u
11104-28-2	AROCLOR-1221	0.50 u
11141-16-5	AROCLOR-1232	0.50 u
53469-21-9	AROCLOR-1242	0.50 u
12672-29-6	AROCLOR-1248	0.50 u
11097-69-1	AROCLOR-1254	1.0 u
11096-82-5	AROCLOR-1260	1.0 u

Volume of water extracted (ml): 1000
Weight of sample extracted (g): N.A.
Volume of total extract (ml): 10
Volume of extract injected (ul): 1

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Form I

P.19

[illegible] Office
[illegible] Virginia [illegible]

Sample Number
[illegible]

SW1

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	Scan Number	Estimated Concentration (ug/L or ug/kg)
NA	UNKNOWN	VOA	302	40 J
NA	UNKNOWN	EXT	334	510 J
107-92-6	Butanoic Acid	EXT	488	1900 J
NA	UNKNOWN Acid	EXT	610	2100 J
142-62-1	Hexanoic Acid	EXT	701	2500 J
NA	UNKNOWN Acid	EXT	786	2100 J
124-07-2	OCTANOIC ACID	EXT	866	440 J
NA	UNKNOWN	EXT	932	420 J
38-89-5	CYCLOHEXANECARBOXYLIC ACID	EXT	824	740 J

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:al Protection Agency, CLP Sample Management Office,
9, Alexandria, Virginia 22313 703/557/2490

85 7116 LSD 91
Surfacewater
SW2

Sample Number
EA238

ORGANICS ANALYSIS DATA SHEET
(Page 1)

:ae: S-CUBED
) No: EA238V (VOA)
:: WATER
Authorized By: pw

Case No: 3569
QC Report No: N.A
Contract No: 68-01-6868
Data Sample Received: 01-11-85

RECEIVED MAR 29 1985

VOLATILE COMPOUNDS
Concentration: Low Medium (Circle one)
Date Extracted/Prepared: 01-13-85
Date Analyzed: 01-13-85
Conc/Dil Factor: 1.0 pH: NA
Percent Moisture: NA
Percent Moisture (Decanted): N A

	ug/l or ug/kg (Circle One)	CAS Number		ug/l or ug/kg (circle one)
CHLOROMETHANE	10 u	79-34-5	1,1,2,2-TETRACHLOROETHANE	5 u
BROMOMETHANE	10 u	78-87-5	1,2-DICHLOROPROPANE	5 u
VINYL CHLORIDE	10 u	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5 u
CHLOROETHANE	10 u	79-01-6	TRICHLOROETHENE	5 u
METHYLENE CHLORIDE	5 u	124-48-1	DIBROMOCHLOROMETHANE	5 u
ACETONE	12	79-00-5	1,1,2-TRICHLOROETHANE	5 u
CARBON DISULFIDE	5 u	71-43-2	BENZENE	5 u
1,1-DICHLOROETHENE	5 u	10061-01-5	CIS-1,3-DICHLOROPROPENE	5 u
1,1-DICHLOROETHANE	5 u	110-75-8	2-CHLOROETHYLVINYLETHER	10 u
TRANS-1,2-DICHLOROETHENE	5 u	75-25-2	BROMOFORM	5 u
CHLOROFORM	5 u	591-78-6	2-HEXANONE	10 u
1,2-DICHLOROETHANE	5 u	108-10-1	4-METHYL-2-PENTANONE	10 u
2-BUTANONE	120	127-18-4	TETRACHLOROETHENE	5 u
1,1,1-TRICHLOROETHANE	5 u	108-88-3	TOLUENE	5 u
CARBON TETRACHLORIDE	5 u	108-90-7	CHLOROBENZENE	5 u
VINYL ACETATE	10 u	100-41-4	ETHYLBENZENE	5 u
BROMODICHLOROMETHANE	5 u	100-42-5	STYRENE	5 u
			TOTAL XYLENES	5 u

Data Reporting Qualifiers

In reporting results to EPA, the following results qualifier are used. Additional flags or footnotes explaining results are encouraged.However,the definition of each flag must be explicit.

The result is a value greater than or equal to the detection limit,report the value.

The compound was analyzed for but not detected.Report the detection limit for the sample with the U (eg.10U) after necessay concentration/dilution actions.(this is usually the instrument detection limit.)The footnotes read:U-Compound was analyzed for but not detected.The is the minimum attainable detection limit for the sample.

J an estimated value:This flag is used either when reporting a concentration for tentatively identified compounds where a response is assumed or when the mass spectral data show the presence of a compound that meets the identification but the result is less than the specified detection limit but greater than zero. (eg.10J)

C this flag applies to pesticide parameters where the identification has been confirmed by GC/MS.Single component pesticides > or = 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when analyte is found in the blank as well as sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

S Matrix spiked compound.

P. 21

85 MC06091

Environmental Protection Agency, CLP Sample Management Office,
P.O. Box 818, Alexandria, Virginia 22313 703/557/2490

Sample Number
EA23B

APR 0 5 1985

SW2

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: S-CURED
Lab Sample ID No: EA23BV (VCA)
Sample Matrix: WATER
Data Release Authorized By: pw

Case No: 3569
QC Report No: N.A
Contract No: 68-01-6868
Date Sample Received: 01-11-85

VOLATILE COMPOUNDS
Concentration: Low Medium (Circle one)
Date Extracted/Prepared: 01-13-85
Date Analyzed: 01-13-85
Conc/Dil Factor: 1.0 pH: NA
Percent Moisture: NA
Percent Moisture (Decanted): N A

CAS Number		ug/l or ug/kg (Circle One)	CAS Number		ug/l or ug/kg (Circle one)
74-87-3	CHLOROMETHANE	10 u	79-34-5	1,1,2,2-TETRACHLOROETHANE	5 u
74-83-9	BROMOMETHANE	10 u	78-87-5	1,2-DICHLOROPROPANE	5 u
75-01-4	VINYL CHLORIDE	10 u	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5 u
75-00-3	CHLOROETHANE	10 u	79-01-6	TRICHLOROETHENE	5 u
75-09-2	METHYLENE CHLORIDE	5 u	124-48-1	DIBROMOCHLOROMETHANE	5 u
67-64-1	ACETONE	12	79-00-5	1,1,2-TRICHLOROETHANE	5 u
75-15-0	CARBON DISULFIDE	5 u	71-43-2	BENZENE	5 u
75-35-4	1,1-DICHLOROETHENE	5 u	10061-01-5	CIS-1,3-DICHLOROPROPENE	5 u
75-34-3	1,1-DICHLOROETHANE	5 u	110-75-8	2-CHLOROETHYLVINYLETHER	10 u
156-60-5	TRANS-1,2-DICHLOROETHENE	5 u	75-25-2	BROMOFORM	5 u
67-66-3	CHLOROFORM	5 u	591-78-6	2-HEXANONE	10 u
107-06-2	1,2-DICHLOROETHANE	5 u	108-10-1	4-METHYL-2-PENTANONE	10 u
78-93-3	2-BUTANONE	120	127-18-4	TETRACHLOROETHENE	5 u
71-55-6	1,1,1-TRICHLOROETHANE	5 u	108-88-3	TOLUENE	5 u
56-23-5	CARBON TETRACHLORIDE	5 u	108-90-7	CHLOROBENZENE	5 u
108-05-4	VINYL ACETATE	10 u	100-41-4	ETHYLBENZENE	5 u
75-27-4	BROMODICHLOROMETHANE	5 u	100-42-5	STYRENE	5 u
				TOTAL XYLENES	5 u

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifier are used. Additional flags or footnotes explaning results are encouraged.However,the definition of each flag must be explicit.

Value: If the result is a value greater than or equal to the detection limit,report the value.

U Indicates compound was analyzed for but not detected.Report the minium detection limit for the sample with the U (eg.10U) based on necessay concentration/dilution actions.(this is not necessarily the instrument detection limit.)The footnotes should read:U-Compound was analyzed for but not detected.The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value:This flag is used either when estimateing a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (eg.10J)

C this flag applies to pesticide parameters where the identification has been confirmed by GC/MS.Single component pesticides > or = 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when analyte is found in the blank as well as sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

S Matrix spiked compound.

P.22

Semivol D91

Protection Agency, CLP Sample Management Office,
Alexandria, Virginia 22313 703/557-2490

: Sample Number :
EA238 : SW2

ORGANIC ANALYSIS DATA SHEET
(Page 2)

RECEIVED MAR 29 1985

SEMIVOLATILE COMPOUNDS

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: 01-11-85
Date Analyzed: 01-17-85
Dilution Factor: 0.5

	ug/l or ug/kg (Circle one)	CAS Number		ug/l or ug/Kg (circle one)
N-NITROSODIMETHYLAMINE	20 u	83-32-9	ACENAPHTHENE	20 u
PHENOL	20 u	51-28-5	2,4-DINITROPHENOL	100 u
ANILINE	20 u	100-02-7	4-NITROPHENOL	100 u
BIS(2-CHLOROETHYL)ETHER	20 u	132-64-9	DIBENZOFURAN	20 u
2-CHLOROPHENOL	20 u	121-14-2	2,4-DINITROTOLUENE	20 u
1-3,DICHLOROBENZENE	20 u	606-20-2	2,6-DINITROTOLUENE	20 u
1,4-DICHLOROBENZENE	20 u	84-66-2	DIETHYLPHTHALATE	20 u
BENZYL ALCOHOL	20 u	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	20 u
1,2-DICHLOROBENZENE	20 u	86-73-7	FLUORENE	20 u
2-METHYLPHENOL	20 u	100-01-6	4-NITROANILINE	100 u
BIS(2-CHLOROISOPROPYL)ETHER	20 u	534-52-1	4,6-DINITRO-2-METHYLPHENOL	100 u
4-METHYLPHENOL	20 J	86-30-6	N-NITROSODIPHENYLAMINE (1)	20 u
N-NITROSO-DI-N-PROPYLAMINE	20 u	101-55-3	4-BROMOPHENYL-PHENYLETHER	20 u
HEXACHLOROETHANE	20 u	118-74-1	HEXACHLOROBENZENE	20 u
NITROBENZENE	20 u	87-86-5	PENTACHLOROPHENOL	100 u
ISOPHORONE	20 u	85-01-8	PHENANTHRENE	20 u
2-NITROPHENOL	20 u	120-12-7	ANTHRACENE	20 u
2,4-DIMETHYLPHENOL	20 u	84-74-2	DI-N-BUTYLPHTHALATE	20 JB
BENZOIC ACID	100 J	206-44-0	FLUORANTHENE	20 u
BIS(2-CHLOROETHOXY)METHANE	20 u	92-87-5	BENZIDINE	200 u
2,4-DICHLOROPHENOL	20 u	129-00-0	PYRENE	20 u
1,2,4-TRICHLOROBENZENE	20 u	85-68-7	BUTYLBENZYLPHTHALATE	20 u
NAPHTHALENE	20 u	91-94-1	3,3'-DICHLOROBENZIDINE	40 u
4-CHLOROANILINE	20 u	56-55-3	BENZO(a)ANTHRACENE	20 u
HEXACHLOROBUTADIENE	20 u	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	20 u
4-CHLORO-3-METHYLPHENOL	20 u	218-01-9	CHRYSENE	20 u
2-METHYLNAPHTHALENE	20 u	117-84-0	DI-N-OCTYL PHTHALATE	20 u
HEXACHLOROCYCLOPENTADIENE	20 u	205-99-2	BENZO(b)FLUORANTHENE	20 u
2,4,6-TRICHLOROPHENOL	20 u	207-08-9	BENZO(k)FLUORANTHENE	20 u
2,4,5-TRICHLOROPHENOL	100 u	50-32-8	BENZO(a)PYRENE	20 u
2-CHLORONAPHTHALENE	20 u	193-39-5	INDENO(1,2,3-CD)PYRENE	20 u
2-NITROANILINE	100 u	53-70-3	DIBENZ(a,h)ANTHRACENE	20 u
DIMETHYL PHTHALATE	20 u	191-24-2	BENZO(ghi)PERYLENE	20 u
ACENAPHTHYLENE	20 u			
3-NITROANILINE	100 u			

(1)-Cannot be separated from diphenylamine

P. 23

:on Agency, CLP Sample Management Office
:ria, Virgina 22313-703/557-2490

Sample Number
EA 235 SW2

ORGANICS ANALYSIS DATA SHEET
(Page 3)

Pesticide/PCBs

Concentration: LOW
Date Extracted/Prepared: 1/11/85
Date Analyzed: 1/24/85
Conc/Dil Factor: ~~2.00~~ 0.5

CAS # Number		ug/l or ug/Kg (Circle One)
319-84-6	ALPHA-BHC	0.10 u
319-85-7	BETA-BHC	0.10 u
319-86-8	DELTA-BHC	0.10 u
58-89-9	GAMMA-BHC (LINDANE)	0.10 u
76-44-8	HEPTACHLOR	0.10 u
309-00-2	ALDRIN	0.10 u
1024-57-3	HEPTACHLOR EPOXIDE	0.10 u
959-98-8	ENDOSULFAN I	0.10 u
60-57-1	DIELDRIN	0.20 u
72-55-9	4,4'-DDE	0.20 u
72-20-8	ENDRIN	0.20 u
33213-65-9	ENDOSULFAN II	0.20 u
72-54-8	4,4'-DDD	0.20 u
7421-93-4	ENDRIN ALDEHYDE	0.20 u
1031-07-8	ENDOSULFAN SULFATE	0.20 u
50-29-3	4,4'-DDT	0.20 u
72-43-5	METHOXYCHLOR	1.0 u
53494-70-5	ENDRIN KETONE	0.20 u
57-74-9	CHLORDANE	1.0 u
8001-35-2	TOXAPHENE	2.0 u
12674-11-2	AROCLOR-1016	1.0 u
11104-28-2	AROCLOR-1221	1.0 u
11141-16-5	AROCLOR-1232	1.0 u
53469-21-9	AROCLOR-1242	1.0 u
12672-29-6	AROCLOR-1248	1.0 u
11097-69-1	AROCLOR-1254	2.0 u
11096-82-5	AROCLOR-1260	2.0 u

Volume of water extracted (ml): 500
Weight of sample extracted (g): N.A.
Volume of total extract (ml): 10
Volume of extract injected (ul): 1

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Form I

P.24

Environmental Protection Agency CLP Sample Management Office,
P.O. Box 818, Alexandria, Virginia 22313 703/557-2490

Sample Number
EP-238
SW2

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

RECEIVED MAR 29 1985

	CAS Number	Compound Name	Fraction	Scan Number	Estimated Concentration (ug/l or ug/kg)
1	NA	UNKNOWN	VOA	51	8.3 JB
2	NA	UNKNOWN	EXT	266	210 J
3	NA	UNKNOWN Hydrocarbon	EXT	271	150 J
4	[illegible]-92-5	HEPTANE	EXT	282	1400 J
5	[illegible]-92-6	Butanoic Acid	EXT	482	63 J
6	NA	UNKNOWN Hydrocarbon	EXT	495	53 JB
7	NA	UNKNOWN Acid	EXT	518	19 J
8	NA	UNKNOWN	EXT	539	17 J
9	NA	UNKNOWN	EXT	547	54 J
10	NA	UNKNOWN ACID	EXT	606	74 J
11	[illegible]-62-1	Hexanoic Acid	EXT	707	100 J
12	NA	UNKNOWN Acid	EXT	735	70 J
13	[illegible]-07-2	Octanoic Acid	EXT	866	17 J
14	NA	Unknown substituted benzene	EXT	932	16 J
15	[illegible]-52-0	Benzene Propanoic Acid	EXT	1005	19 J
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Agency, CLP Sample Management Office,
Virginia 22313 703/557/2490

Sample Number
EA235

ANALYSIS DATA SHEET
(Page 1)

SAMPLED
EA235V (VCA)
WATER
Sampled By: JW

Case No: 3569
QC Report No: N.A
Contract No: 68-01-6868
Data Sample Received: 01-11-85

VOLATILE COMPOUNDS
Concentration: Low Medium (Circle one)
Date Extracted/Prepared: 01-14-85
Date Analyzed: 01-14-85
Conc/Dil Factor: 1.0 pH: NA
Percent Moisture: NA
Percent Moisture (Decanted): N A

RECEIVED MAR 2 9 1985

	ug/l or ug/kg (Circle One)	CAS Number		ug/l or ug/kg (circle one)
ETHANE	10 u	79-34-5	1,1,2,2-TETRACHLOROETHANE	5 u
ETHANE	10 u	78-87-5	1,2-DICHLOROPROPANE	5 u
CHLORIDE	10 u	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5 u
ETHANE	10 u	79-01-6	TRICHLOROETHENE	5 u
ENE CHLORIDE	5 u	124-48-1	DIBROMOCHLOROMETHANE	5 u
NE	36	79-00-5	1,1,2-TRICHLOROETHANE	5 u
N DISULFIDE	5 u	71-43-2	BENZENE	5 u
CHLOROETHENE	5 u	10061-01-5	CIS-1,3-DICHLOROPROPENE	5 u
CHLOROETHANE	5 u	110-75-8	2-CHLOROETHYLVINYLETHER	10 u
-1,2-DICHLOROETHENE	5 u	75-25-2	BROMOFORM	5 u
FORM	5 u	591-78-6	2-HEXANONE	10 u
-DICHLOROETHANE	5 u	108-10-1	4-METHYL-2-PENTANONE	10 u
ENE	150	127-18-4	TETRACHLOROETHENE	5 u
-TRICHLOROETHANE	5 u	108-88-3	TOLUENE	5 u
N TETRACHLORIDE	5 u	108-90-7	CHLOROBENZENE	5 u
L ACETATE	10 u	100-41-4	ETHYLBENZENE	5 u
ROMOCHLOROMETHANE	5 u	100-42-5	STYRENE	5 u
			TOTAL XYLENES	5 u

Data Reporting Qualifiers

ting results to EPA, the following results qualifier are used. Additional flags or footnotes g results are encouraged.However,the definition of each flag must be explicit.

esult is a value greater than or equal to the limit,report the value.

ound was analyzed for but not detected.Report ection limit for the sample with the U (eg.10U)

ssay concentration/dilution actions.(this is by the instrument detection limit.)The footnotes compound was analyzed for but not detected.The minimum attainable detection limit for the sample.

stimated value:This flag is used either when concentration for tentatively identified compounds response is assumed or when the mass spectral data presence of a compound that meets the identification the result is less than the specified detection limit than zero. (eg.10J)

C this flag applies to pesticide parameters where the identification has been confirmed by GC/MS.Single component pesticides > or = 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when analyte is found in the blank as well as sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

S Matrix spiked compound.

P.26

85/7700-591

: Sample Number : DJP
E4235 :

[illegible], CLP Sample Management Office,
[illegible] Virginia 22313 703/557-2490

ANALYSIS DATA SHEET
(Page 2)

RECEIVED MAR 29 1985

SEMIVOLATILE COMPOUNDS

Low Medium (Circle One)
Date Prepared: 01-11-85
Date Analyzed: 01-17-85
Dilution Factor: 1.0

	ug/l or ug/kg (Circle one)	CAS Number		ug/l or ug/kg (circle one)
[illegible]METHYLAMINE	10 u	83-32-9	ACENAPHTHENE	10 u
[illegible]OL	10 J	51-28-5	2,4-DINITROPHENOL	50 u
[illegible]E	10 u	100-02-7	4-NITROPHENOL	50 u
[illegible]ETHYLETHER	10 u	132-64-9	DIBENZOFURAN	10 u
[illegible]ENOL	10 u	121-14-2	2,4-DINITROTOLUENE	10 u
[illegible]BENZENE	10 u	606-20-2	2,6-DINITROTOLUENE	10 u
[illegible]BENZENE	10 u	84-66-2	DIETHYLPHTHALATE	10 u
[illegible]OL	10 u	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10 u
[illegible]BENZENE	10 u	86-73-7	FLUORENE	10 u
[illegible]ENOL	10 u	100-01-6	4-NITROANILINE	50 u
[illegible]ISOPROPYL)ETHER	10 u	534-52-1	4,6-DINITRO-2-METHYLPHENOL	50 u
[illegible]ENOL	10 J	86-30-6	N-NITROSODIPHENYLAMINE (1)	10 u
[illegible]-DI-N-PROPYLAMINE	10 u	101-55-3	4-BROMOPHENYL-PHENYLETHER	10 u
[illegible]ETHANE	10 u	118-74-1	HEXACHLOROBENZENE	10 u
[illegible]ENE	10 u	87-86-5	PENTACHLOROPHENOL	50 u
[illegible]NE	10 u	85-01-8	PHENANTHRENE	10 u
[illegible]ENOL	10 u	120-12-7	ANTHRACENE	10 u
[illegible]PHENOL	10 u	84-74-2	DI-N-BUTYLPHTHALATE	10 JB
[illegible]ACID	50 J	206-44-0	FLUORANTHENE	10 u
[illegible]ETHOXY)METHANE	10 u	92-87-5	BENZIDINE	100 u
[illegible]PHENOL	10 u	129-00-0	PYRENE	10 u
[illegible]TRICHLOROBENZENE	10 u	85-68-7	BUTYLBENZYLPHTHALATE	10 u
[illegible]ENE	10 u	91-94-1	3,3'-DICHLOROBENZIDINE	20 u
[illegible]ANILINE	10 u	56-55-3	BENZO(a)ANTHRACENE	10 u
[illegible]BUTADIENE	10 u	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10 u
[illegible]-3-METHYLPHENOL	10 u	218-01-9	CHRYSENE	10 u
[illegible]NAPHTHALENE	10 u	117-84-0	DI-N-OCTYL PHTHALATE	10 u
[illegible]CYCLOPENTADIENE	10 u	205-99-2	BENZO(b)FLUORANTHENE	10 u
[illegible]TRICHLOROPHENOL	10 u	207-08-9	BENZO(k)FLUORANTHENE	10 u
[illegible]TRICHLOROPHENOL	50 u	50-32-8	BENZO(a)PYRENE	10 u
[illegible]NAPHTHALENE	10 u	193-39-5	INDENO(1,2,3-CD)PYRENE	10 u
[illegible]ANILINE	50 u	53-70-3	DIBENZ(a,h)ANTHRACENE	10 u
[illegible] PHTHALATE	10 u	191-24-2	BENZO(ghi)PERYLENE	10 u
[illegible]THALENE	10 u			
[illegible]ANILINE	50 u			

(1)-Cannot be separated from diphenylamine

P.27

Sample Management Office
[illegible]-[illegible]3-557-2490

Sample Number

EA 235 DDP

ORGANICS ANALYSIS DATA SHEET
(Page 3)

Pesticide/PCBs

Concentration: LOW
Date Extracted/Prepared: 1/11/85
Date Analyzed: 1/24/85
Conc/Dil Factor: 1.00

RECEIVED MAR 29 1985

CAS #		ug/l or ug/Kg (Circle One)
[illegible]-84-6	ALPHA-BHC	0.050 u
[illegible]-85-7	BETA-BHC	0.050 u
[illegible]-86-8	DELTA-BHC	0.050 u
[illegible]-89-9	GAMMA-BHC (LINDANE)	0.050 u
[illegible]-44-8	HEPTACHLOR	0.050 u
[illegible]-00-2	ALDRIN	0.050 u
[illegible]-57-3	HEPTACHLOR EPOXIDE	0.050 u
[illegible]-8-8	ENDOSULFAN I	0.050 u
[illegible]-57-1	DIELDRIN	0.10 u
[illegible]-55-9	4,4'-DDE	0.10 u
[illegible]-20-6	ENDRIN	0.10 u
[illegible]-65-9	ENDOSULFAN II	0.10 u
[illegible]-54-8	4,4'-DDD	0.10 u
[illegible]-93-4	ENDRIN ALDEHYDE	0.10 u
[illegible]-07-8	ENDOSULFAN SULFATE	0.10 u
[illegible]-29-3	4,4'-DDT	0.10 u
[illegible]-43-5	METHOXYCHLOR	0.50 u
[illegible]-70-5	ENDRIN KETONE	0.10 u
[illegible]-74-9	CHLORDANE	0.50 u
[illegible]-35-2	TOXAPHENE	1.0 u
[illegible]-11-2	AROCLOR-1016	0.50 u
[illegible]-28-2	AROCLOR-1221	0.50 u
[illegible]-16-5	AROCLOR-1232	0.50 u
[illegible]-21-9	AROCLOR-1242	0.50 u
[illegible]-29-6	AROCLOR-1248	0.50 u
[illegible]-69-1	AROCLOR-1254	1.0 u
[illegible]-82-5	AROCLOR-1260	1.0 u

Volume of water extracted (ml): 1000
Weight of sample extracted (g): N.A.
Volume of total extract (ml): 10
Volume of extract injected (ul): 1

Form I

P.28

[illegible] CLP Sample Management Office
[illegible] 22313 703 557 2490

Sample Number
[illegible]

DUP

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

RECEIVED MAR 2 9 1985

CAS Number	Compound Name	Fraction	Scan Number	Estimated Concentration (ug/l or ug/kg)
NA	UNKNOWN	VOA	46	3.5 JB
NA	UNKNOWN	EXT	273	61 J
[illegible]-32-5	HEPTANE	EXT	278	170 J
NA	UNKNOWN	EXT	252	17 J
NA	UNKNOWN	EXT	413	13 J
NA	UNKNOWN HYDROCARBON	EXT	496	56 JB
[illegible]-92-6	Butanoic Acid	EXT	509	69 J
[illegible]-74-2	Methyl Butanoic Acid	EXT	528	23 J
NA	UNKNOWN	EXT	541	1.9 J
NA	UNKNOWN	EXT	552	15 J
NA	UNKNOWN	EXT	598	11 J
[illegible]-52-4	Pentanoic Acid	EXT	630	59 J
[illegible]-07-1	Methyl Pentanoic Acid	EXT	658	9.4 J
[illegible]-67-1	Hexanoic Acid	EXT	725	120 J
NA	UNKNOWN C_7 Acid	EXT	797	79 J
[illegible]-5	CYCLOHEXANECARBOXYLIC ACID	EXT	834	33 J
[illegible]-07-2	OCTANOIC ACID	EXT	869	24 J
[illegible]-43-4	PIPERIDINONE	EXT	886	11 J
[illegible]-07-7	Benzeneacetic Acid	EXT	936	19 J
[illegible]-52-0	Benzene propanoic Acid	EXT	1009	27 J

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Protection Agency, CLP Sample Management Office,
lexandria, Virginia 22313 703/557/2490

SSMCC R11

: Sample Number :
EA236 :

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ORGANICS ANALYSIS DATA SHEET
(Page 1)

S-CUPED
: EA236V (VCA)
WATER
horized By: JW

Case No: 3569
QC Report No: N.A
Contract No: 68-01-6868
Data Sample Received: 01-11-85

VOLATILE COMPOUNDS
Concentration: Low Medium (Circle one)
Date Extracted/Prepared: 01-14-85
Date Analyzed: 01-14-85
Conc/Dil Factor: 1.0 pH: NA
Percent Moisture: NA
Percent Moisture (Decanted): N A

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	ug/l or ug/kg (Circle One)	CAS Number		ug/l or ug/kg (circle one)
OROMETHANE	10 u	79-34-5	1,1,2,2-TETRACHLOROETHANE	5 u
ROMETHANE	10 u	78-87-5	1,2-DICHLOROPROPANE	5 u
YL CHLORIDE	10 u	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5 u
ROETHANE	10 u	79-01-6	TRICHLOROETHENE	5 u
HYLENE CHLORIDE	5 u	124-48-1	DIBROMOCHLOROMETHANE	5 u
TONE	10 u	79-00-5	1,1,2-TRICHLOROETHANE	5 u
BON DISULFIDE	5 u	71-43-2	BENZENE	5 u
-DICHLOROETHENE	5 u	10061-01-5	CIS-1,3-DICHLOROPROPENE	5 u
-DICHLOROETHANE	5 u	110-75-8	2-CHLOROETHYLVINYLETHER	10 u
NS-1,2-DICHLOROETHENE	5 u	75-25-2	BROMOFORM	5 u
LOROFORM	5 u	591-78-6	2-HEXANONE	10 u
2-DICHLOROETHANE	5 u	108-10-1	4-METHYL-2-PENTANONE	10 u
UTANONE	10 u	127-18-4	TETRACHLOROETHENE	5 u
1,1-TRICHLOROETHANE	5 u	108-88-3	TOLUENE	5 u
RBON TETRACHLORIDE	5 u	108-90-7	CHLOROBENZENE	5 u
NYL ACETATE	10 u	100-41-4	ETHYLBENZENE	5 u
ROMODICHLOROMETHANE	5 u	100-42-5	STYRENE	5 u
			TOTAL XYLENES	5 u

Data Reporting Qualifiers

eporting results to EPA, the following results qualifier are used. Additional flags or footnotes
ning results are encouraged. However, the definition of each flag must be explicit.

result is a value greater than or equal to the
on limit, report the value.
compound was analyzed for but not detected. Report
detection limit for the sample with the U (eg. 10U)
necessary concentration/dilution actions. (this is
arily the instrument detection limit.) The footnotes
:U-Compound was analyzed for but not detecded. The
the minimum attainable detection limit for the sample.
an estimated value: This flag is used either when
a concentration for tentatively identified compounds
l response is assumed or when the mass spectral data
the presence of a compound that meets the identification
ut the result is less than the specified detection limit
than zero. (eg. 10J)

C this flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides > or = 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when analyte is found in the blank as well as sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

S Matrix spiked compound.

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85MC06 C11

: Sample Number :
EAC3e : BLANK :

...ation Agency, CLP Sample Management Office,
...ndria, Virginia 22313 703/557-2490

ORGANIC ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

RECEIVED MAR 29 1985

...ration: (Low) Medium (Circle One)
...ted/Prepared: 01-11-85
...zed: 01-17-85
... Factor: 1.0

	ug/l or ug/kg (Circle one)	CAS Number		ug/l or ug/kg (Circle one)
...NITROSODIMETHYLAMINE	10 u	83-32-9	ACENAPHTHENE	10 u
...PHENOL	10 u	51-28-5	2,4-DINITROPHENOL	50 u
...ANILINE	10 u	100-02-7	4-NITROPHENOL	50 u
BIS(2-CHLOROETHYL)ETHER	10 u	132-64-9	DIBENZOFURAN	10 u
...ISOPHENOL	10 u	121-14-2	2,4-DINITROTOLUENE	10 u
1,3-DICHLOROBENZENE	10 u	606-20-2	2,6-DINITROTOLUENE	10 u
1,4-DICHLOROBENZENE	10 u	84-66-2	DIETHYLPHTHALATE	10 u
BENZYL ALCOHOL	10 u	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10 u
1,2-DICHLOROBENZENE	10 u	86-73-7	FLUORENE	10 u
2-METHYLPHENOL	10 u	100-01-6	4-NITROANILINE	50 u
BIS(2-CHLOROISOPROPYL)ETHER	10 u	534-52-1	4,6-DINITRO-2-METHYLPHENOL	50 u
4-METHYLPHENOL	10 u	86-30-6	N-NITROSODIPHENYLAMINE (1)	10 u
N-NITROSO-DI-N-PROPYLAMINE	10 u	101-55-3	4-BROMOPHENYL-PHENYLETHER	10 u
HEXACHLOROETHANE	10 u	118-74-1	HEXACHLOROBENZENE	10 u
NITROBENZENE	10 u	87-86-5	PENTACHLOROPHENOL	50 u
ISOPHORONE	10 u	85-01-8	PHENANTHRENE	10 u
2-NITROPHENOL	10 u	120-12-7	ANTHRACENE	10 u
2,4-DIMETHYLPHENOL	10 u	84-74-2	DI-N-BUTYLPHTHALATE	10 JB
BENZOIC ACID	50 u	206-44-0	FLUORANTHENE	10 u
BIS(2-CHLOROETHOXY)METHANE	10 u	92-87-5	BENZIDINE	100 u
2,4-DICHLOROPHENOL	10 u	129-00-0	PYRENE	10 u
1,2,4-TRICHLOROBENZENE	10 u	85-68-7	BUTYLBENZYLPHTHALATE	10 u
NAPHTHALENE	10 u	91-94-1	3,3'-DICHLOROBENZIDINE	20 u
4-CHLOROANILINE	10 u	56-55-3	BENZO(a)ANTHRACENE	10 u
HEXACHLOROBUTADIENE	10 u	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10 u
4-CHLORO-3-METHYLPHENOL	10 u	218-01-9	CHRYSENE	10 u
2-METHYLNAPHTHALENE	10 u	117-84-0	DI-N-OCTYL PHTHALATE	10 u
HEXACHLOROCYCLOPENTADIENE	10 u	205-99-2	BENZO(b)FLUORANTHENE	10 u
2,4,6-TRICHLOROPHENOL	10 u	207-08-9	BENZO(k)FLUORANTHENE	10 u
2,4,5-TRICHLOROPHENOL	50 u	50-32-8	BENZO(a)PYRENE	10 u
2-CHLORONAPHTHALENE	10 u	193-39-5	INDENO(1,2,3-CD)PYRENE	10 u
2-NITROANILINE	50 u	53-70-3	DIBENZ(a,h)ANTHRACENE	10 u
DIMETHYL PHTHALATE	10 u	191-24-2	BENZO(ghi)PERYLENE	10 u
ACENAPHTHYLENE	10 u			
3-NITROANILINE	50 u			

(1)-Cannot be separated from diphenylamine

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...tion Agency, CLP Sample Management Office
...ndria, Virgina 22313-703/557-2490

85M106 R11

Sample Number

EA 236 BLANK

ORGANICS ANALYSIS DATA SHEET
(Page 3)

Pesticide/PCBs

RECEIVED MAR 29 1985

Concentration: LOW
Date Extracted/Prepared: 1/11/85
Date Analyzed: 1/24/85
Conc/Dil Factor: 1.00

CAS # Number		ug/l or ug/Kg (Circle One)
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
7421-93-4	ENDRIN ALDEHYDE	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
57-74-9	CHLORDANE	0.50 u
8001-35-2	TOXAPHENE	1.0 u
12674-11-2	AROCLOR-1016	0.50 u
11104-28-2	AROCLOR-1221	0.50 u
11141-16-5	AROCLOR-1232	0.50 u
53469-21-9	AROCLOR-1242	0.50 u
12672-29-6	AROCLOR-1248	0.50 u
11097-69-1	AROCLOR-1254	1.0 u
11096-82-5	AROCLOR-1260	1.0 u

Volume of water extracted (ml): 1000
Weight of sample extracted (g): N.A.
Volume of total extract (ml): 10
Volume of extract injected (ul): 1

Form 1

P.32

[illegible] Laboratory, Chemistry Laboratory Office
[illegible] Virginia 22313 703 557 2510

Sample Number
[illegible]

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Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

RECEIVED MAR 2 9 1985

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	UNKNOWN	VOA	4[illegible]	[illegible]
2. NA	UNKNOWN HYDROCARBON	EXT	5[illegible]	[illegible]
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