SDMS US EPA REGION V -1

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IL-174-06
158353

ecology and environment, inc.

223 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60606, TEL. 312-663-9415

International Specialists in the Environmental Sciences

Date Received for Review: 10/18/83 Date Review Completed: 11/10/83

To: RON ST. JOHN

From: Cynthia Bachunas

Subject: SAUGET LANDFILL
R05 - 8302 - 05

Sample Description: CASE #1887 - LOW/MEDIUM* SOIL ORGANICS (SAMPLES SHIPPED 7/14/83)

Project Data Status: STILL AWAITING DATA FOR E3825 (SAMPLE SHIPPED 7/20/83)

FIT Data Review Findings:

THIS DATA IS UNREVIEWED BY CRL AND WILL REMAIN SO UNLESS OTHERWISE REQUESTED. IF A FORMAL QA/QC REVIEW IS NECESSARY, YOU MUST CONTACT THE O.S.C. FOR THE SITE WHO SHOULD SOLICIT A WRITTEN REQUEST FROM RICH BARTELT TO CURTIS ROSS OF CRL. A COPY OF THE WRITTEN REQUEST SHOULD ALSO BE FORWARDED TO ME FOR OUR FILES.

Additional Comments:

DATA IS ACCEPTABLE FOR USE WITH THE QUALIFICATION THAT IT HAS PASSED LABORATORY QA/QC ONLY AND HAS NOT BEEN REVIEWED BY THE REGION.

*NOTE: ONLY THE FOLLOWING FRACTIONS WERE ANALYZED AS MEDIUMS E3771 - VOLATILES, E3772 - VOLATILES, E3775 - VOLATILES, E3777 - VOLATILES, E3778 - VOLATILES, E3779 - VOLATILES, E3780 - VOLATILES, E3781 - VOLATILES, AND E3799 - VOLATILES.

CAB

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 10/18/83

RECEIVED OCT 1 8 1983

SUBJECT: Review of Region V CLP Data
Received for Review on 10/5/83

FROM: Curtis Ross, Director
Central Regional Laboratory
Chuck Ellz for

TO: Data User: FIT

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

SITE NAME Sauget Landfill SMO Case No. 1887

EPA Data Set No. SF3176 No. of Samples: 13 D.U./Activity Numbers 4905 / C47363

CRL No.'s 83MS07S54 to 83MS07R12

SMO Traffic No.'s E3771 to E3799

Contract Laboratory: Mead Hours Required for Review: _____

Following are our findings.

Unreviewed Data

( ) 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, EPA Support Services
Ross K. Robeson, EMSL-Las Vegas
Robert Pritchard, CLP-SMO

EPA FORM 1320-6 (REV. 3-76)

~~Buta o Tacto~~
SF 3176

3308 East Chapel Hill Nelson Highway
P.O. Box 12650
Research Triangle Park, NC 27709
Telephone 919-549-8263
800 334-8525

Mead CompuChem

RECEIVED
OCT 04 1983
US EPA CENTRAL REGIONAL LAB.
536 S. CLARK STREET
CHICAGO, ILLINOIS 60605

September 28, 1983

U.S. Environmental Protection Agency
HWI/Sample Management Office
300 North Lee Street
Alexandria, Virginia 22314

Attention: Mr. Richard Thacker
Deputy Project Manager

RECEIVED OCT 18 1983

Subject: Report of Data - EPA Contract 68-01-6762

Dear Mr. Thacker:

Enclosed herewith are the results of analytical work performed in accordance with the referenced contract.

This report covers 16 samples received by Mead CompuChem on 7/15/83. These samples were identified as EPA Case Number 1887.

If you have any questions regarding this package, please contact me at (800)334-8525 or (919)549-8263.

Sincerely,

Richard L. Bloom

Kevin McConnaghy
Sales Manager

KM/dt
Enclosures

EPA NUMBERS: See Attachment

CC NUMBERS:

cc: EPA Region
EMSL
W. Arrington

1881

U.S. ENVIRONMENTAL PROTECTION AGENCY-CLP Sample Management Office
P.O. Box 818, Alexandria, VA 22313 - 703/557-2490

83MS07554

Sample Number
E3771
LOW LEVEL SOLID

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ORGANICS ANALYSIS DATA SHEET - Page 1

Laboratory Name Mead CompuChem
Lab Sample ID No. 5662

Case Number ~~1887~~ 1887
SAS Number

Multiply all Values and Detection limits by 1 ☐ or 10 ☐ or ☑ 40 DET. LIMITS, x1.47
(Check Box for Appropriate Factor)

ACID COMPOUNDS

PP#	CAS#		ug/kg
(21A)	88-06-2	2,4,6-trichlorophenol	2500 ~~100~~ mg
(22A)	59-50-7	p-chloro-m-cresol	20U
(24A)	95-57-8	2-chlorophenol Q	24000 ~~100~~ mg
(31A)	122-83-2	2,4-dichlorophenol Q	66000 ~~100~~ mg
(34A)	105-67-9	2,4-dimethylphenol	10U
(57A)	88-75-5	2-nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	100U
(59A)	51-88-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
[illegible]	[illegible]	pentachlorophenol	20U
(65A)	108-95-2	phenol	24000 ~~100~~ mg

(Non-Priority Pollutant Hazardous Substances)

	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	10U
	108-39-4	4-methylphenol	10U
	95-95-4	2,4,5-trichlorophenol	100U

BASE-NEUTRAL COMPOUNDS

(1B)	83-32-9	acenaphthene	10U
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	10U
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(16B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene LT	~~10~~ mg
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene	10U
[illegible]	[illegible]	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine (as azobenzene)	20U
(39B)	206-44-0	fluoranthene	10U
(40B)	7005-72-3	4-chlorophenyl phenylether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U

BASE/NEUTRAL COMPOUNDS

PP#	CAS#		ug/kg
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	11--91-1	bis-(2-chloroethoxy)methane	20U
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene	10U
(56B)	98-95-3	nitrobenzene	10U
(62B)	86-30-6	N-nitrosodiphenylamine	10U
(63B)	621-64-7	N-nitrosodi-n-propylamine	20U
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	10U
(67B)	85-68-7	butyl benzyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate LT	~~10~~ mg
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	318-01-9	chrysene	10U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	10U
(79B)	181-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene	10U
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	183-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	10U

(Non-Priority Pollutant Hazardous Substances)

	62-53-3	aniline	10U
	100-51-6	benzyl alcohol	20U
	106-47-8	4-chloroaniline	50U
	132-64-9	dibenzofuran	10U
	91-57-6	2-methylnaphthalene	20U
	88-74-4	2-nitroaniline	100U
	99-09-2	3-nitroaniline	100U
	100-01-6	4-nitroaniline	100U

1887
Case ~~1887~~

Sample Number
F3771
MEDIUM LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 2

Laboratory Name Mead CompuChem
Lab Sample ID No. 5602

Case Number 1887
SAS Number

Multiply all Values and Detection Limits by 1 ☐ or 10 ☐ or ☑ 1.47
(Check Box for Appropriate Factor)

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VOLATILES

PP#	CAS#		ug/g
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	1,2-trans-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis,1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(51V)	124-48-1	chlorodibromomethane	5u
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U

(Non-Priority Pollutant Hazardous Substances)

	67-64-1	acetone	100U
	78-93-3	2-butanone	200U
	75-15-0	carbondisulfide	10U
	519-78-6	2-hexanone	100U
	108-10-1	4-methyl-2-pentanone	100U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	10U
	95-47-6	o-xylene	5U

Case 1887

Sample Number
E3771
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 3

Laboratory Name Mead CompuChem
Lab Sample ID No. 5602

Case Number 1887
SAS Number

Multiply all Values and Detection Limits by 1 ☐ or 10 ☐ or ☑ 1.47x 10(DET. LIMITS)
(Check Box for Appropriate Factor)

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PESTICIDES

PP#	CAS#		ug/kg
(39P)	309-00-2	aldrin	4.0U
(90P)	60-57-1	dieldrin	4.0U
(91P)	57-74-9	chlordane	4.0U
(92P)	50-29-3	4,4'-DDT	4.0U
(93P)	72-55-9	4,4'-DDE	4.0U
(94P)	72-54-8	4,4'-DDD	4.0U
(95P)	115-29-7	endosulfan I	4.0U
(96P)	115-29-7	endosulfan II	4.0U
(97P)	1031-07-8	endosulfan sulfate	4.0U
(98P)	78-20-8	endrin	4.0U
(99P)	7421-43-4	endrin aldehyde	4.0U
(100P)	76-44-8	heptachlor	4.0U
(101P)	1024-57-3	heptachlor epoxide	4.0U
(102P)	319-84-6	BHC-Alpha	4.0U
(103P)	319-85-7	BHC-Beta	4.0U
(104P)	319-86-8	BHC-Delta	4.0U
(105P)	58-89-9	BHC-Gamma	4.0U
(106P)	53469-21-9	PCB-1242	4.0U
(107P)	11097-69-7	PCB-1254	4.0U
(108P)	11104-28-2	PCB-1221	4.0U
(109P)	11141-16-5	PCB-1232	4.0U
(110P)	12672-29-6	PCB-1248 P.N. 1006	~~4.0U~~ MD
(111P)	11096-82-5	PCB-1260	4.0U
(112P)	12674-11-2	PCB-1016	4.0U
(113P)	8001-35-2	toxaphene	4.0U

DIOXINS

			ug/kg
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.16U

Case 1887

GC SCREEN DATA SHEET

Laboratory Name Mead CompuChem

RECEIVED OCT 1 8 1983

Case Number 1887

Sample ID Number	Fraction	GC Detectable* Medium Level	Date of Screen	Level of GC/MS Analysis**
E3771	VOA	Yes	7-22-83	M
	B/N/A			
	Pesticides			
	Dioxin			
5602				
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			

*Answer Yes or No.
**Indicate"M" for medium level GC/MS analysis.
Indicate"L" for low level GC/MS analysis.

Case 1887

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Case 1887

CH# 1887

SAMPLE # E3771

2. ESTIMATED CONC.
PURITY ~~(%)~~ OR ~~(g/L)~~
(EV)
~~450-450~~

pg 1/4

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MEAD COMPUCHEM ORGANICS ANALYSIS DATA SHEET

C # 1887

LAB SAMPLE I.D. # 005602

SAMPLE # E3771

Case 1887

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: FSCC7

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	% PURITY	ESTIMATED CONC. ~~(UG/G) OR (UG/L)~~ (EV)
1	754	95-51-2	BENZENAMINE,2-CHLORO-	87.7	2600.
2	799	- -	SEARCH RESULTS < 80% PURITY	--.--	22000.
~~3~~ 2	834	120-83-2	PHENOL,2,4-DICHLORO-	81.5	9200.
← 3	1282	- -	SEARCH RESULTS < 80% PURITY	--.--	1300.

39.999

1

U.S. ENVIRONMENTAL PROTECTION AGENCY-CLP Sample Management Office
P.O. Box 818, Alexandria, VA 22313 - 703/557-2490

RECEIVED OCT 1 8 1983

83M507555
Sample Number
E3772
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 1

Laboratory Name Mead CompuChem
Lab Sample ID No. 5603

Case Number ~~1887~~ 1987
SAS Number

Multiply all Values and Detection limits by 1 ☐ or 10 ☐ or ☑ 800 (DET. LIMITS) x 1.85
(Check Box for Appropriate Factor)

ACID COMPOUNDS

PP#	CAS#		ug/kg
(21A)	88-06-2	2,4,6-trichlorophenol Q 17000 ~~200~~ MD	
(22A)	59-50-7	p-chloro-m-cresol	20U
(24A)	95-57-8	2-chlorophenol 65000 ~~100~~ MD	
(31A)	122-83-2	2,4-dichlorophenol Q 510000 ~~100~~ MD	
(34A)	105-67-9	2,4-dimethylphenol	10U
(57A)	88-75-5	2-nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	100U
(59A)	51-88-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
(64A)	87-36-5	pentachlorophenol 86000 ~~200~~ MD	
(65A)	108-95-2	phenol 55000 ~~100~~ MD	

(Non-Priority Pollutant Hazardous Substances)

	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	10U
	108-39-4	4-methylphenol	10U
	95-95-4	2,4,5-trichlorophenol	100U

BASE-NEUTRAL COMPOUNDS

(1B)	83-32-9	acenaphthene	10U
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	10U
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene	10U
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene	10U
(28B)	91-94-1	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine (as azobenzene)	20U
(39B)	206-44-0	fluoranthene	10U
(40B)	7005-72-3	4-chlorophenyl phenylether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U

BASE/NEUTRAL COMPOUNDS

PP#	CAS#		ug/kg
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	11--91-1	bis-(2-chloroethoxy)methane	20U
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene	10U
(56B)	98-95-3	nitrobenzene x 1.85 ~~100~~ MD	
(62B)	86-30-6	N-nitrosodiphenylamine	10U
(63B)	621-64-7	N-nitrosodi-n-propylamine	20U
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	10U
(67B)	85-68-7	butyl benzyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate	10U
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	318-01-9	chrysene	10U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	10U
(79B)	181-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene	10U
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	183-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	10U

(Non-Priority Pollutant Hazardous Substances)

	62-53-3	aniline	10U
	100-51-6	benzyl alcohol	20U
	106-47-8	4-chloroaniline	50U
	132-64-9	dibenzofuran	10U
	91-57-6	2-methylnaphthalene	20U
	88-74-4	2-nitroaniline	100U
	99-09-2	3-nitroaniline	100U
	100-01-6	4-nitroaniline	100U

1987
Case ~~1887~~

Sample Number
E3772
MEDIUM LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 2

Laboratory Name. Mead CompuChem
Lab Sample ID No. 5603

Case Number 1887
SAS Number

Multiply all Values and Detection Limits by 1 ☐ or 10 ☐ or ☑ 1.82
(Check Box for Appropriate Factor)

RECEIVED OCT 1 8 1983

VOLATILES

PP#	CAS#		ug/g
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	1,2-trans-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis,1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(51V)	124-48-1	chlorodibromomethane	5u
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U

(Non-Priority Pollutant Hazardous Substances)

	67-64-1	acetone	100U
	78-93-3	2-butanone	200U
	75-15-0	carbondisulfide	10U
	519-78-6	2-hexanone	100U
	108-10-1	4-methyl-2-pentanone	100U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	10U
	95-47-6	o-xylene	5U

Case 1887

Sample Number
E3772
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 3

Laboratory Name Mead CompuChem
Lab Sample ID No. 5603

Case Number 1887
SAS Number

Multiply all Values and Detection Limits by 1 ☐ or 10 ☐ or ☑ 1.82
(Check Box for Appropriate Factor)

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PESTICIDES

PP#	CAS#		ug/kg
(39P)	309-00-2	aldrin	4.0U
(90P)	60-57-1	dieldrin	4.0U
(91P)	57-74-9	chlordane	4.0U
(92P)	50-29-3	4,4'-DDT	4.0U
(93P)	72-55-9	4,4'-DDE	4.0U
(94P)	72-54-8	4,4'-DDD	4.0U
(95P)	115-29-7	endosulfan I	4.0U
(96P)	115-29-7	endosulfan II	4.0U
(97P)	1031-07-8	endosulfan sulfate	4.0U
(98P)	78-20-8	endrin	4.0U
(99P)	7421-43-4	endrin aldehyde	4.0U
(100P)	76-44-8	heptachlor	4.0U
(101P)	1024-57-3	heptachlor epoxide	4.0U
(102P)	319-84-6	BHC-Alpha	4.0U
(103P)	319-85-7	BHC-Beta	4.0U
(104P)	319-86-8	BHC-Delta	4.0U
(105P)	58-89-9	BHC-Gamma	4.0U
(106P)	53469-21-9	PCB-1242	4.0U
(107P)	11097-69-7	PCB-1254	4.0U
(108P)	11104-28-2	PCB-1221	4.0U
(109P)	11141-16-5	PCB-1232	4.0U
(110P)	12672-29-6	PCB-1248	4.0U
(111P)	11096-82-5	PCB-1260	4.0U
(112P)	12674-11-2	PCB-1016	4.0U
(113P)	8001-35-2	toxaphene	4.0U

DIOXINS

			ug/kg
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.16U

Case 1887

GC SCREEN DATA SHEET

Laboratory Name Mead CompuChem

Case Number 1887

RECEIVED OCT 1 8 1983

Sample ID Number	Fraction	GC Detectable* Medium Level	Date of Screen	Level of GC/MS Analysis**
E3772	VOA	yes	7-22-83	M
	B/N/A			
	Pesticides			
	Dioxin			
5663				
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			

*Answer Yes or No.
**Indicate "M" for medium level GC/MS analysis.
Indicate "L" for low level GC/MS analysis.

Case 1887

RECEIVED OCT 1 8 1983

C# 1887
E3772

Case 1887

PURITY	ESTIMATED CONC. (UG/G) ~~OR UG/L~~ (ED)
	24.

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MEAD COMPUCHEM ORGANICS ANALYSIS DATA SHEET

C# 1887

LAB SAMPLE I.D. # 005603

SAMPLE # E3772

Case 1887

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: FSCC7

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	% PURITY	ESTIMATED CI (UG/G) ~~OR (UG/L)~~ (EV)
~~1~~	~~594~~	~~108-95-2~~	~~PHENOL~~	~~93.9~~	~~24000.~~
~~2~~	~~600~~	~~95-57-8~~	~~PHENOL,2-CHLORO-~~	~~88.2~~	~~41000.~~
~~3~~	~~811~~	~~- -~~	~~SEARCH RESULTS < 80% PURITY~~	~~--.--~~	~~950000.~~
~~4~~ 1	845	120-83-2	PHENOL,2,4-DICHLORO-	84.9	190000.
~~5~~ 2	876	- -	SEARCH RESULTS < 80% PURITY	--.--	21000.
~~6~~ 3	887	- -	SEARCH RESULTS < 80% PURITY	--.--	27000.
~~7~~ 4	895	- -	SEARCH RESULTS < 80% PURITY	--.--	25000.
~~8~~ 5	969	85-44-9	1,3-ISOBENZOFURANDIONE	96.3	18000.
~~9~~	~~1001~~	~~- -~~	~~SEARCH RESULTS < 80% PURITY~~	~~--.--~~	~~630000.~~
~~10~~ 6	1189	- -	SEARCH RESULTS < 80% PURITY	--.--	9500.
~~11~~ 7	1252	88-19-7	BENZENESULFONAMIDE,2-METHYL-	89.4	13000.
12	1260	- -	SEARCH RESULTS < 80% PURITY	--.--	9100.
13 8	1287	- -	SEARCH RESULTS < 80% PURITY	--.--	32000.
14 9	1318	- -	SEARCH RESULTS < 80% PURITY	--.--	13000.
~~15~~	~~1354~~	~~87-86-5~~	~~PHENOL,PENTACHLORO-~~	~~81.1~~	~~39000.~~
16 10	1414	- -	SEARCH RESULTS < 80% PURITY	--.--	880.

799.998

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RECEIVED OCT 1 8 1983

Sample Number
E3773
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 1

Laboratory Name Mead CompuChem
Lab Sample ID No. 5604

Case Number 1887
SAS Number

Multiply all Values and Detection limits by 1 ☐ or 10 ☐ or ☒ (Detection 40) x1.73
(Check Box for Appropriate Factor)

ACID COMPOUNDS

PP#	CAS#		ug/kg
(21A)	88-06-2	2,4,6-trichlorophenol	22000 ~~100~~ MD
(22A)	59-50-7	p-chloro-m-cresol	20U
(24A)	95-57-8	2-chlorophenol	800 ~~100~~ MD
(31A)	122-83-2	2,4-dichlorophenol	31000 ~~100~~ MD
(34A)	105-67-9	2,4-dimethylphenol	500 ~~100~~ MD
(57A)	88-75-5	2-nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	100U
(59A)	51-88-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
[illegible]	[illegible]	pentachlorophenol	5400 ~~200~~ MD
(65A)	108-95-2	phenol	45000 ~~100~~ MD

(Non-Priority Pollutant Hazardous Substances)

	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	10U
	108-39-4	4-methylphenol	LT ~~100~~ MD
	95-95-4	2,4,5-trichlorophenol	100U

BASE-NEUTRAL COMPOUNDS

(1B)	83-32-9	acenaphthene	1200 ~~100~~ MD
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	10U
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene	LT ~~100~~ MD
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene	1800 ~~100~~ MD
[illegible]	[illegible]	,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine (as azobenzene)	20U
(39B)	206-44-0	fluoranthene	10U
(40B)	7005-72-3	4-chlorophenyl phenylether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U

BASE/NEUTRAL COMPOUNDS

PP#	CAS#		ug/kg
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	11--91-1	bis-(2-chloroethoxy)methane	20U
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene	11,000 ~~100~~ MD
(56B)	98-95-3	nitrobenzene	400 ~~100~~ MD
(62B)	86-30-6	N-nitrosodiphenylamine	10U
(63B)	621-64-7	N-nitrosodi-n-propylamine	20U
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	10U
(67B)	85-68-7	butyl benzyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate	10U
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	318-01-9	chrysene	10U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	10U
(79B)	181-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	600 ~~100~~ MD
(81B)	85-01-8	phenanthrene	1000 ~~100~~ MD
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	183-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	LT ~~100~~ MD

(Non-Priority Pollutant Hazardous Substances)

	62-53-3	aniline	10U
	100-51-6	benzyl alcohol	20U
	106-47-8	4-chloroaniline	LT ~~50U~~ MD
	132-64-9	dibenzofuran	1000 ~~100~~ MD
	91-57-6	2-methylnaphthalene	2000 ~~200~~ MD
	88-74-4	2-nitroaniline	100U
	99-09-2	3-nitroaniline	4600 ~~100U~~ MD
	100-01-6	4-nitroaniline	100U

Case 1887

83MS07556

Sample Number
E3773
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 2

Laboratory Name Mead CompuChem
Lab Sample ID No. 5664

Case Number ~~1887~~ 1887
SAS Number

Multiply all Values and Detection limits by 1 ☐ or 10 ☐ or ☑ 1.73
(Check Box for Appropriate Factor)

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VOLATILES

PP#	CAS#		ug/kg
(2V)	107-02-8	acrolein	50U
(3V)	107-13-1	acrylonitrile	50U
(4V)	71-43-2	benzene	2.5U
(6V)	56-23-5	carbon tetrachloride	2.5U
(7V)	108-90-7	chlorobenzene	2.5U
(10V)	107-06-2	1,2-dichloroethane	2.5U
(11V)	71-55-6	1,1,1-trichloroethane	2.5U
(13V)	75-34-3	1,1-dichloroethane	2.5U
(14V)	79-00-5	1,1,2-trichloroethane	2.5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	2.5U
(16V)	75-00-3	chloroethane	2.5U
(19V)	110-75-8	2-chloroethylvinyl ether	2.5U
(23V)	67-66-3	chloroform	2.5U
(29V)	75-35-4	1,1-dichloroethene	2.5U
(30V)	156-60-5	1,2-trans-dichloroethene	2.5U
(32V)	78-87-5	1,2-dichloropropane	2.5U
(33V)	10061-02-6	trans-1,3-dichloropropene	2.5U
	10061-01-05	cis,1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	2.5U
(44V)	75-09-2	methylene chloride	7.4 ~~2.5U~~ MB
(45V)	74-87-3	chloromethane	2.5U
(46V)	74-83-9	bromomethane	2.5U
(47V)	75-25-2	bromoform	2.5U
(48V)	75-27-4	bromodichloromethane	2.5U
(49V)	75-69-4	fluorotrichloromethane	2.5U
(51V)	124-48-1	chlorodibromomethane	2.5U
(85V)	127-18-4	tetrachloroethene	2.5U
(86V)	108-88-3	toluene	2.5U
(87V)	79-01-6	trichloroethene	2.5U
(88V)	75-01-4	vinyl chloride	2.5U

(Non-Priority Pollutant Hazardous Substances)

	67-64-1	acetone	960 ~~50U~~ MB
	78-93-3	2-butanone	100U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	50U
	108-10-1	4-methyl-2-pentanone	50U
	100-42-5	styrene	2.5U
	108-05-4	vinyl acetate	5U
	95-47-6	o-xylene	2.5U

1887
Case ~~1887~~

Sample Number
E3773
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 3

ory Name Mead CompuChem
ple ID No. 5604

Case Number 1887
SAS Number

Multiply all Values and Detection Limits by 1 ☐ or 10 ☐ or ☑ 1.73
(Check Box for Appropriate Factor)

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PESTICIDES

PP#	CAS#		ug/kg
(39P)	309-00-2	aldrin	4.0U
(90P)	60-57-1	dieldrin	4.0U
(91P)	57-74-9	chlordane	4.0U
(92P)	50-29-3	4,4'-DDT	4.0U
(93P)	72-55-9	4,4'-DDE	4.0U
(94P)	72-54-8	4,4'-DDD	4.0U
(95P)	115-29-7	endosulfan I	4.0U
(96P)	115-29-7	endosulfan II	4.0U
(97P)	1031-07-8	endosulfan sulfate	4.0U
(98P)	78-20-8	endrin	4.0U
(99P)	7421-43-4	endrin aldehyde	4.0U
(100P)	76-44-8	heptachlor	4.0U
(101P)	1024-57-3	heptachlor epoxide	4.0U
(102P)	319-84-6	BHC-Alpha	4.0U
(103P)	319-85-7	BHC-Beta	4.0U
(104P)	319-86-8	BHC-Delta	4.0U
(105P)	58-89-9	BHC-Gamma	4.0U
(106P)	53469-21-9	PCB-1242	4.0U
(107P)	11097-69-7	PCB-1254	4.0U
(108P)	11104-28-2	PCB-1221	4.0U
(109P)	11141-16-5	PCB-1232	4.0U
(110P)	12672-29-6	PCB-1248	4.0U
(111P)	11096-82-5	PCB-1260 P.N. 485.2	~~4.0U~~ AE
(112P)	12674-11-2	PCB-1016 P.N. 2120.6	~~4.0U~~ AE
(113P)	8001-35-2	toxaphene	4.0U

Presence [illegible]

DIOXINS

			ug/kg
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.16U

Case 1887

MEAD COMPUCHEM ORGANICS ANALYSIS DATA SHEET

C# 1887

LAB SAMPLE I.D. # 005604

SAMPLE # E3773

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: FSCC7

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	% PURITY	ESTIMATED CONC. ~~(UG/G) OR (UG/L)~~ (EU) ug/kg
1	287	- -	SEARCH RESULTS < 80% PURITY	--.--	470.
2	366	- -	SEARCH RESULTS < 80% PURITY	--.--	200.
3	768	95-51-2	BENZENAMINE,2-CHLORO-	87.0	610.
4	848	- -	SEARCH RESULTS < 80% PURITY	--.--	490.
5	830	- -	SEARCH RESULTS < 80% PURITY	--.--	310.
6	899	- -	SEARCH RESULTS < 80% PURITY	--.--	440.
~~7~~	~~945~~	~~91-57-6~~	~~NAPHTHALENE,2-METHYL-~~	~~89.5~~	~~140.~~
~~8~~ 7	963	91-57-6	NAPHTHALENE,2-METHYL-	89.5	64.
~~9~~	~~1004~~	~~95-95-4~~	~~PHENOL,2,4,5-TRICHLORO-~~	~~81.6~~	~~7900.~~
~~10~~	~~1059~~	~~- -~~	~~SEARCH RESULTS < 80% PURITY~~	~~--.--~~	~~1400.~~
~~11~~ 8	1080	95-76-1	BENZENAMINE,3,4-DICHLORO-	81.9	560.
~~12~~	~~1157~~	~~132-64-9~~	~~DIBENZOFURAN~~	~~84.8~~	~~560.~~
~~13~~ 9	1192	- -	SEARCH RESULTS < 80% PURITY	--.--	340.
~~14~~	~~1216~~	~~86-73-7~~	~~9H-FLUORENE~~	~~92.7~~	~~250.~~
~~15~~ 10	1289	70-55-3	BENZENESULFONAMIDE,4-METHYL-	83.8	500.
~~16~~ 11	1315	62-44-2	ACETAMIDE,N-(4-ETHOXYPHENYL)-	86.8	1000.
~~17~~	~~1360~~	~~87-86-5~~	~~PHENOL,PENTACHLORO-~~	~~80.5~~	~~790.~~
~~18~~ 12	1445	38444-86-9	1,1'-BIPHENYL,2',3,4-TRICHLORO-	81.0	130.
~~19~~ 13	1573	81-84-5	1H,3H-NAPHTHO\1,8-CD\PYRAN-1,3-DIONE	94.9	240.
~~20~~	~~1650~~	~~- -~~	~~SEARCH RESULTS < 80% PURITY~~	~~--.--~~	~~2700.~~
~~21~~ 14	1799	- -	SEARCH RESULTS < 80% PURITY	--.--	240.

39.999

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MEAD COMPUCHEM ORGANICS ANALYSIS DATA SHEET

C # 1887

LAB SAMPLE I.D. # 005604

SAMPLE # E3223

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: FSCC7

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	% PURITY	ESTIMATED CONC. ~~(UG/G) OR (UG/L)~~ (EV) ug/kg.
~~1~~ 15	1067	575-37-1	NAPHTHALENE,1,7-DIMETHYL-	93.7	280.
2 16	1255	— —	SEARCH RESULTS < 80 % PURITY	—.—	1700.
~~3~~ 17	1347	486-25-9	9H-FLUOREN-9-ONE	82.7	94.
~~4~~	~~1586~~	~~- -~~	~~SEARCH RESULTS < 80% PURITY~~	~~--.--~~	~~52.~~
~~5~~ 18	1789	- -	SEARCH RESULTS < 80% PURITY	--.--	130.
~~6~~ 19	1855	- -	SEARCH RESULTS < 80% PURITY	--.--	230.
~~7~~ 20	2068	- -	SEARCH RESULTS < 80% PURITY	--.--	90.

39.999

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[illegible] COMPUTER GENERATED ANALYSIS DATA SHEET

PAGE # [illegible]

C # 1887

[illegible] FILE [illegible] 505604

SAMPLE # E3773

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ACIDIC FRACTION ADS

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	% PURITY	ESTIMATED CONC. (UG/G) OR (UG/L) (EST)
[illegible]	[illegible]	[illegible]	1-Hexanol	35.8	9.9
[illegible]	[illegible]	[illegible]	~~2-Pentanone, 4-methyl-~~	~~37.5~~	~~25.~~
[illegible]	410	108-11-2	2-Pentanol, 4-methyl-	32.4	27.

[illegible]

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GC SCREEN DATA SHEET

RECEIVED OCT 1 8 1983

Laboratory Name Mead CompuChem

Case Number 1887

Sample ID Number	Fraction	GC Detectable* Medium Level	Date of Screen	Level of GC/MS Analysis**
E 3773	VOA	NO	7-22-83	L
	B/N/A			
	Pesticides			
	Dioxin			
5604				
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			

*Answer Yes or No.
**Indicate"M" for medium level GC/MS analysis.
Indicate"L" for low level GC/MS analysis.

Case 1887

U.S. ENVIRONMENTAL PROTECTION AGENCY-CLP Sample Management Office
P.O. Box 818, Alexandria, VA 22313 - 703/557-2490

83MS07S57

Sample Number
E3774
LOW LEVEL SOLID

RECEIVED OCT 18 1983

ORGANICS ANALYSIS DATA SHEET - Page 1

Laboratory Name Mead CompuChem
Lab Sample ID No. 5605

Case Number ~~1887~~ 1887
SAS Number

Multiply all Values and Detection limits by 1 ☐ or 10 ☐ or ☑ 40 (DET. LIMITS) x 1.05
(Check Box for Appropriate Factor)

ACID COMPOUNDS

PP#	CAS#		ug/kg
(21A)	88-06-2	2,4,6-trichlorophenol	520 ~~10U~~ MD
(22A)	59-50-7	p-chloro-m-cresol	20U
(24A)	95-57-8	2-chlorophenol	10U
(31A)	122-83-2	2,4-dichlorophenol	1700 ~~10U~~ MD
(34A)	105-67-9	2,4-dimethylphenol	10U
(57A)	88-75-5	2-nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	100U
(59A)	51-88-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
(64A)	87-36-5	pentachlorophenol	LT ~~20U~~ MD
(65A)	108-95-2	phenol	4400 ~~10U~~ MD

(Non-Priority Pollutant Hazardous Substances)

	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	10U
	108-39-4	4-methylphenol	10U
	95-95-4	2,4,5-trichlorophenol	LT ~~100U~~ MD

BASE-NEUTRAL COMPOUNDS

(1B)	83-32-9	acenaphthene	2800 ~~10U~~ MD
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	480 ~~10U~~ MD
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene	10U
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene	720 ~~10U~~ MD
(28B)	91-94-1	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine (as azobenzene)	20U
(39B)	206-44-0	fluoranthene	1200 ~~10U~~ MD
(40B)	7005-72-3	4-chlorophenyl phenylether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U

BASE/NEUTRAL COMPOUNDS

PP#	CAS#		ug/kg
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	11--91-1	bis-(2-chloroethoxy)methane	20U
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene	P 4300 ~~10U~~ MD
(56B)	98-95-3	nitrobenzene	10U
(62B)	86-30-6	N-nitrosodiphenylamine	10U
(63B)	621-64-7	N-nitrosodi-n-propylamine	20U
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	LT ~~10U~~ MD
(67B)	85-68-7	butyl benzyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate	10U
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	318-01-9	chrysene	10U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	400 ~~10U~~ MD
(79B)	181-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	2600 ~~10U~~ MD
(81B)	85-01-8	phenanthrene	2700 ~~10U~~ MD
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	183-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	LT ~~10U~~ MD

(Non-Priority Pollutant Hazardous Substances)

	62-53-3	aniline	10U
	100-51-6	benzyl alcohol	20U
	106-47-8	4-chloroaniline	50U
	132-64-9	dibenzofuran	3000 ~~10U~~ MD
	91-57-6	2-methylnaphthalene	2300 ~~20U~~ MD
	88-74-4	2-nitroaniline	100U
	99-09-2	3-nitroaniline	100U
	100-01-6	4-nitroaniline	100U

1887
Case ~~1887~~

Sample Number
E3774
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 2

Laboratory Name Mead CompuChem
Lab Sample ID No. 5605

Case Number 1887
SAS Number

Multiply all Values and Detection limits by 1 ☐ or 10 ☐ or ☑ 1.05
(Check Box for Appropriate Factor)

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VOLATILES

PP#	CAS#		ug/kg
(2V)	107-02-8	acrolein	50U
(3V)	107-13-1	acrylonitrile	50U
(4V)	71-43-2	benzene	2.5U
(6V)	56-23-5	carbon tetrachloride	2.5U
(7V)	108-90-7	chlorobenzene	2.5U
(10V)	107-06-2	1,2-dichloroethane	2.5U
(11V)	71-55-6	1,1,1-trichloroethane	2.5U
(13V)	75-34-3	1,1-dichloroethane	2.5U
(14V)	79-00-5	1,1,2-trichloroethane	2.5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	2.5U
(16V)	75-00-3	chloroethane	2.5U
(19V)	110-75-8	2-chloroethylvinyl ether	2.5U
(23V)	67-66-3	chloroform	2.5U
(29V)	75-35-4	1,1-dichloroethene	2.5U
(30V)	156-60-5	1,2-trans-dichloroethene	2.5U
(32V)	78-87-5	1,2-dichloropropane	2.5U
(33V)	10061-02-6	trans-1,3-dichloropropene	2.5U
	10061-01-05	cis,1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	2.5U
(44V)	75-09-2	methylene chloride	3.7 ~~2.5U~~ mb
(45V)	74-87-3	chloromethane	2.5U
(46V)	74-83-9	bromomethane	2.5U
(47V)	75-25-2	bromoform	2.5U
(48V)	75-27-4	bromodichloromethane	2.5U
(49V)	75-69-4	fluorotrichloromethane	2.5U
(51V)	124-48-1	chlorodibromomethane	2.5U
(85V)	127-18-4	tetrachloroethene	2.5U
(86V)	108-88-3	toluene	2.5U
(87V)	79-01-6	trichloroethene	2.5U
(88V)	75-01-4	vinyl chloride	2.5U

(Non-Priority Pollutant Hazardous Substances)

	67-64-1	acetone	50U
	78-93-3	2-butanone	100U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	50U
	108-10-1	4-methyl-2-pentanone	50U
	100-42-5	styrene	2.5U
	108-05-4	vinyl acetate	5U
	95-47-6	o-xylene	2.5U

Case 1887

Sample Number
E3774
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 3

Laboratory Name Mead CompuChem
Lab Sample ID No. 5605

Case Number 1887
SAS Number

Multiply all Values and Detection Limits by 1 ☐ or 10 ☐ or ☑ 1.65
(Check Box for Appropriate Factor)

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PESTICIDES

PP#	CAS#		ug/kg
(39P)	309-00-2	aldrin	4.0U
(90P)	60-57-1	dieldrin	4.0U
(91P)	57-74-9	chlordane	4.0U
(92P)	50-29-3	4,4'-DDT	4.0U
(93P)	72-55-9	4,4'-DDE	4.0U
(94P)	72-54-8	4,4'-DDD	4.0U
(95P)	115-29-7	endosulfan I	4.0U
(96P)	115-29-7	endosulfan II	4.0U
(97P)	1031-07-8	endosulfan sulfate	4.0U
(98P)	78-20-8	endrin	4.0U
(99P)	7421-43-4	endrin aldehyde	4.0U
(100P)	76-44-8	heptachlor	4.0U
(101P)	1024-57-3	heptachlor epoxide	4.0U
(102P)	319-84-6	BHC-Alpha	4.0U
(103P)	319-85-7	BHC-Beta	4.0U
(104P)	319-86-8	BHC-Delta	4.0U
(105P)	58-89-9	BHC-Gamma	4.0U
(106P)	53469-21-9	PCB-1242 P.C. ~~20/2780~~	~~4.0U~~ MD
(107P)	11097-69-7	PCB-1254	4.0U
(108P)	11104-28-2	PCB-1221	4.0U
(109P)	11141-16-5	PCB-1232	4.0U
(110P)	12672-29-6	PCB-1248	4.0U
(111P)	11096-82-5	PCB-1260	4.0U
(112P)	12674-11-2	PCB-1016	4.0U
(113P)	8001-35-2	toxaphene	4.0U

DIOXINS

			ug/kg
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.16U

Case 1887

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HEAD COMPUCHEM ORGANICS ANALYSIS DATA SHEET

C # 1887

S SAMPLE I.D. # 005605

SAMPLE # E3774

Case 1887

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: FSCC7

CN	SCAN NUMBER	CAS #	COMPOUND NAME	% PURITY	ESTIMATED CONC. ~~(UG/G) OR (UG/L)~~ (EV)
	1028	- -	SEARCH RESULTS < 80% PURITY	--.--	780.
	1053	575-37-1	NAPHTHALENE,1,7-DIMETHYL-	85.4	800.
	1067	573-98-8	NAPHTHALENE,1,2-DIMETHYL-	89.5	1500.
	1283	- -	SEARCH RESULTS < 80% PURITY	--.--	1200.
	1312	2050-68-2	1,1'-BIPHENYL,4,4'-DICHLORO-	81.1	2900.
	1432	- -	SEARCH RESULTS < 80% PURITY	--.--	900.
	1446	- -	SEARCH RESULTS < 80% PURITY	--.--	8100.
	1462	- -	SEARCH RESULTS < 80% PURITY	--.--	3800.
	1496	- -	SEARCH RESULTS < 80% PURITY	--.--	3700.
	1526	- -	SEARCH RESULTS < 80% PURITY	--.--	3300.
	1556	- -	SEARCH RESULTS < 80% PURITY	--.--	470.
	1611	- -	SEARCH RESULTS < 80% PURITY	--.--	2200.
	1628	- -	SEARCH RESULTS < 80% PURITY	--.--	1900.
	1669	- -	SEARCH RESULTS < 80% PURITY	--.--	1100.
	1702	- -	SEARCH RESULTS < 80% PURITY	--.--	1300.
	1731	- -	SEARCH RESULTS < 80% PURITY	--.--	560.
	1739	- -	SEARCH RESULTS < 80% PURITY	--.--	440.
	1769	- -	SEARCH RESULTS < 80% PURITY	--.--	530.
	1789	- -	SEARCH RESULTS < 80% PURITY	--.--	450.
	1894	- -	SEARCH RESULTS < 80% PURITY	--.--	250.
	2019	- -	SEARCH RESULTS < 80% PURITY	--.--	~~100.~~

33.599

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C# 1887
E3774

Case 1887

Sample Number
E3778
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 3

Laboratory Name Mead CompuChem
Lab Sample ID No. 5609

Case Number 1887
SAS Number

Multiply all Values and Detection Limits by 1 ☐ or 10 ☐ or ☑ 1.59 (50 Detection Limits)
(Check Box for Appropriate Factor)

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PESTICIDES

PP#	CAS#		ug/kg
(39P)	309-00-2	aldrin	4.0U
(90P)	60-57-1	dieldrin	4.0U
(91P)	57-74-9	chlordane	4.0U
(92P)	50-29-3	4,4'-DDT	4.0U
(93P)	72-55-9	4,4'-DDE	4.0U
(94P)	72-54-8	4,4'-DDD	4.0U
(95P)	115-29-7	endosulfan I	4.0U
(96P)	115-29-7	endosulfan II	4.0U
(97P)	1031-07-8	endosulfan sulfate	4.0U
(98P)	78-20-8	endrin	4.0U
(99P)	7421-43-4	endrin aldehyde	4.0U
(100P)	76-44-8	heptachlor	4.0U
(101P)	1024-57-3	heptachlor epoxide	4.0U
(102P)	319-84-6	BHC-Alpha	4.0U
(103P)	319-85-7	BHC-Beta	4.0U
(104P)	319-86-8	BHC-Delta	4.0U
(105P)	58-89-9	BHC-Gamma	4.0U
(106P)	53469-21-9	PCB-1242	~~4.0U~~
(107P)	11097-69-7	PCB-1254	~~4.0U~~
(108P)	11104-28-2	PCB-1221	~~4.0U~~
(109P)	11141-16-5	PCB-1232 PQL 1.0 x 10	~~4.0U~~
(110P)	12672-29-6	PCB-1248	~~4.0U~~
(111P)	11096-82-5	PCB-1260	~~4.0U~~
(112P)	12674-11-2	PCB-1016	~~4.0U~~
(113P)	8001-35-2	toxaphene	4.0U

MD

DIOXINS

			ug/kg
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.16U

Case 1887

U.S. ENVIRONMENTAL PROTECTION AGENCY-CLP Sample Management Office
P.O. Box 818, Alexandria, VA 22313 - 703/557-2490

83MS67561

Sample Number
E3778
LOW LEVEL SOLID

RECEIVED OCT 18 1983

ORGANICS ANALYSIS DATA SHEET - Page 1

Laboratory Name Mead CompuChem
Lab Sample ID No. 5609

Case Number ~~1887~~ 1387
SAS Number

Multiply all Values and Detection limits by 1 ☐ or 10 ☐ or ☒ 2000 (DET. LIMITS) x 1.59
(Check Box for Appropriate Factor)

ACID COMPOUNDS

PP#	CAS#		ug/kg
(21A)	88-06-2	2,4,6-trichlorophenol	94000 ~~100~~ MD
(22A)	59-50-7	p-chloro-m-cresol	20U
(24A)	95-57-8	2-chlorophenol	360000 ~~100~~ MD
(31A)	122-83-2	2,4-dichlorophenol	370000 ~~100~~ MD
(34A)	105-67-9	2,4-dimethylphenol	72000 ~~100~~ MD
(57A)	88-75-5	2-nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	100U
(59A)	51-88-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
(64A)	87-36-5	pentachlorophenol	100000 ~~200~~ MD
(65A)	108-95-2	phenol	880000 ~~100~~ MD

(Non-Priority Pollutant Hazardous Substances)

	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	10U
	108-39-4	4-methylphenol	330000 ~~100~~ MD
	95-95-4	2,4,5-trichlorophenol	100U

BASE-NEUTRAL COMPOUNDS

(1B)	83-32-9	acenaphthene	10U
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	100000 ~~100~~ MD
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene	20000 ~~100~~ MD
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene	16000 ~~100~~ MD
(28B)	91-94-1	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine (as azobenzene)	20U
(39B)	206-44-0	fluoranthene LT	~~100~~ MD
(40B)	7005-72-3	4-chlorophenyl phenylether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U

BASE/NEUTRAL COMPOUNDS

PP#	CAS#		ug/kg
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	11--91-1	bis-(2-chloroethoxy)methane	20U
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene LT	~~100~~ MD
(56B)	98-95-3	nitrobenzene	56000 ~~100~~ MD
(62B)	86-30-6	N-nitrosodiphenylamine	10U
(63B)	621-64-7	N-nitrosodi-n-propylamine	20U
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	620000 ~~100~~ ME
(67B)	85-68-7	butyl benzyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate LT	~~100~~ ME
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	318-01-9	chrysene	10U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	10U
(79B)	181-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene LT	~~100~~ MD
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	183-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene LT	~~100~~ MD

(Non-Priority Pollutant Hazardous Substances)

	62-53-3	aniline	10U
	100-51-6	benzyl alcohol	20U
	106-47-8	4-chloroaniline	50U
	132-64-9	dibenzofuran	10U
	91-57-6	2-methylnaphthalene	20U
	88-74-4	2-nitroaniline	100U
	99-09-2	3-nitroaniline	100U
	100-01-6	4-nitroaniline	100U

1387
Case ~~1887~~

C# 1887
Sample # E3776

Case 1887

			[illegible]	[illegible]
			35.5	[illegible]
			--.--	1100.
			86.9	600.
			--.--	1300.
			32.3	[illegible]
			91.5	[illegible]
-5			--.--	[illegible]
-6			--.--	[illegible]
-7			--.--	[illegible]
-8			--.--	[illegible]
			--.--	[illegible]
-9			81.3	[illegible]
-10			[illegible]	[illegible]
-11			81.4	[illegible]
-12			81.4	[illegible]
-13			81.5	[illegible]
-14			--.--	[illegible]

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GC SCREEN DATA SHEET

Laboratory Name Mead CompuChem

Case Number 1887

Sample ID Number	Fraction	GC Detectable* Medium Level	Date of Screen	Level of GC/MS Analysis**
E3777	VOA	yes	7-22-83	M
	B/N/A			
	Pesticides			
	Dioxin			
5608				
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			

*Answer Yes or No.
**Indicate"M" for medium level GC/MS analysis.
Indicate"L" for low level GC/MS analysis.

Case 1887

Sample Number
E3777
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 3

Laboratory Name Mead CompuChem
Lab Sample ID No. 5608

Case Number 1887
SAS Number

Multiply all Values and Detection Limits by 1 ☐ or 10 ☐ or ☑ 1.84
(Check Box for Appropriate Factor)

RECEIVED OCT 18 1983

PESTICIDES

PP#	CAS#		ug/kg
(39P)	309-00-2	aldrin	4.0U
(90P)	60-57-1	dieldrin	4.0U
(91P)	57-74-9	chlordane	4.0U
(92P)	50-29-3	4,4'-DDT	4.0U
(93P)	72-55-9	4,4'-DDE	4.0U
(94P)	72-54-8	4,4'-DDD	4.0U
(95P)	115-29-7	endosulfan I	4.0U
(96P)	115-29-7	endosulfan II	4.0U
(97P)	1031-07-8	endosulfan sulfate	4.0U
(98P)	78-20-8	endrin	4.0U
(99P)	7421-43-4	endrin aldehyde	4.0U
(100P)	76-44-8	heptachlor	4.0U
(101P)	1024-57-3	heptachlor epoxide	4.0U
(102P)	319-84-6	BHC-Alpha	4.0U
(103P)	319-85-7	BHC-Beta	4.0U
(104P)	319-86-8	BHC-Delta	4.0U
(105P)	58-89-9	BHC-Gamma	4.0U
(106P)	53469-21-9	PCB-1242	~~4.0U~~
(107P)	11097-69-7	PCB-1254	~~4.0U~~
(108P)	11104-28-2	PCB-1221	~~4.0U~~
(109P)	11141-16-5	PCB-1232 P.C. 6.8 x 10⁴	~~4.0U~~
(110P)	12672-29-6	PCB-1248	~~4.0U~~
(111P)	11096-82-5	PCB-1260	~~4.0U~~
(112P)	12674-11-2	PCB-1016	~~4.0U~~
(113P)	8001-35-2	toxaphene	4.0U

(no)

DIOXINS

			ug/kg
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.16U

Case 1887

MEAD COMPUCHEM ORGANICS ANALYSIS DATA SHEET

Ctt 1887

LAB SAMPLE I.D. # 005607

SAMPLE # E3776

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: V238

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	% PURITY	ESTIMATED ~~CONC. (UG/G) OR (UG/L~~ (EV)
1	405	108-11-2	2-PENTANOL,4-METHYL-	87.1	21.
2	615	- -	SEARCH RESULTS < 80% PURITY	--.--	14.

1.000

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U.S. ENVIRONMENTAL PROTECTION AGENCY-CLP Sample Management Office
P.O. Box 818, Alexandria, VA 22313 - 703/557-2490

RECEIVED OCT 18 1983

834507560

Sample Number
E3777
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 1

Laboratory Name: Mead CompuChem
Lab Sample ID No.: 5608

Case Number: ~~1887~~ 1887
SAS Number:

Multiply all Values and Detection limits by 1 ☐ or 10 ☐ or ☑ (800 detections) X 1.84
(Check Box for Appropriate Factor)

ACID COMPOUNDS

PP#	CAS#		ug/kg
(21A)	88-06-2	2,4,6-trichlorophenol	10U
(22A)	59-50-7	p-chloro-m-cresol	20U
(24A)	95-57-8	2-chlorophenol 57000	~~100U~~ MD
(31A)	122-83-2	2,4-dichlorophenol	10U
(34A)	105-67-9	2,4-dimethylphenol	10U
(57A)	88-75-5	2-nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	100U
(59A)	51-88-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
(64A)	87-36-5	pentachlorophenol	20U
(65A)	108-95-2	phenol 98000	~~10U~~ MD

(Non-Priority Pollutant Hazardous Substances)

	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	10U
	108-39-4	4-methylphenol	10U
	95-95-4	2,4,5-trichlorophenol	100U

BASE-NEUTRAL COMPOUNDS

PP#	CAS#		ug/kg
(1B)	83-32-9	acenaphthene	10U
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene LT	~~10U~~ MD
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene	10U
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene LT	~~10U~~ MD
(28B)	91-94-1	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine (as azobenzene)	20U
(39B)	206-44-0	fluoranthene	10U
(40B)	7005-72-3	4-chlorophenyl phenylether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U

BASE/NEUTRAL COMPOUNDS

PP#	CAS#		ug/kg
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	11--91-1	bis-(2-chloroethoxy)methane	20U
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene	10U
(56B)	98-95-3	nitrobenzene	10U
(62B)	86-30-6	N-nitrosodiphenylamine	10U
(63B)	621-64-7	N-nitrosodi-n-propylamine	20U
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	10U
(67B)	85-68-7	butyl benzyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate	10U
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	318-01-9	chrysene	10U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	10U
(79B)	181-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene	10U
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	183-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	10U

(Non-Priority Pollutant Hazardous Substances)

	62-53-3	aniline	10U
	100-51-6	benzyl alcohol	20U
	106-47-8	4-chloroaniline	50U
	132-64-9	dibenzofuran	10U
	91-57-6	2-methylnaphthalene	20U
	88-74-4	2-nitroaniline	100U
	99-09-2	3-nitroaniline	100U
	100-01-6	4-nitroaniline	100U

1887
Case ~~1887~~

Sample Number
E3777
MEDIUM LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 2

Laboratory Name Mead CompuChem
Lab Sample ID No. 5608

Case Number 1887
SAS Number

Multiply all Values and Detection Limits by 1 ☐ or 10 ☐ or ☑ 1.84
(Check Box for Appropriate Factor)

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VOLATILES

PP#	CAS#		ug/g
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	10 ~~5U~~ mc
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	1,2-trans-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis,1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(51V)	124-48-1	chlorodibromomethane	5u
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U

(Non-Priority Pollutant Hazardous Substances)

	67-64-1	acetone	100U
	78-93-3	2-butanone	200U
	75-15-0	carbondisulfide	10U
	519-78-6	2-hexanone	100U
	108-10-1	4-methyl-2-pentanone	100U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	10U
	95-47-6	o-xylene	5U

Case 188

C#1887

SAMPLE # E3777

[illegible] IDENTIFIED COMPOUNDS
[illegible] RESULTS

[illegible]	[illegible]	[illegible]	COMPOUND NAME	% PURITY	ESTIMATED [illegible] (UG/G) OR (UG/L) (EU)
[illegible]	[illegible]	[illegible]	SEARCH RESULTS - 80% PURITY	--.--	150000.
[illegible]	[illegible]	[illegible]	SEARCH RESULTS - 80% PURITY	--.--	140000.
[illegible]	[illegible]	[illegible]	SEARCH RESULTS - 80% PURITY	--.--	110000.
[illegible]	[illegible]	[illegible]	SEARCH RESULTS - 80% PURITY	--.--	110000.
[illegible]	[illegible]	[illegible]	SEARCH RESULTS - 80% PURITY	--.--	20000.
[illegible]	[illegible]	[illegible]	BENZENE,[illegible]-PENTAMETHYLHEPTYL-	51.1	7500.
[illegible]	55.34-57-1	[illegible]	BENZENE,[illegible]-PENTAMETHYLHEPTYL-	80.6	11000.
[illegible]	115-86-6	[illegible]	PHOSPHORIC ACID,TRIPHENYLESTER	82.0	67000.
[illegible]	[illegible]	[illegible]	SEARCH RESULTS - 80% PURITY	--.--	[illegible]
[illegible]	[illegible]	[illegible]	SEARCH RESULTS - 80% PURITY	--.--	30000.
[illegible]	[illegible]	[illegible]	[illegible]	--.--	11000.
[illegible]	[illegible]	[illegible]	[illegible]	--.--	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	--.--	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	--.--	[illegible]
[illegible]	[illegible]	[illegible]	SEARCH [illegible]	--.--	[illegible]

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Sample Number
E3778
MEDIUM LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 2

Laboratory Name Mead CompuChem
Lab Sample ID No. 5609

Case Number 1887
SAS Number

Multiply all Values and Detection Limits by 1 ☐ or 10 ☐ or ☑ 1.59
(Check Box for Appropriate Factor)

VOLATILES RECEIVED OCT 18 1983

PP#	CAS#		ug/g
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	4U ~~5U~~ MB
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	1,2-trans-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis,1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	AE ~~5U~~ AE
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(51V)	124-48-1	chlorodibromomethane	5u
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U

(Non-Priority Pollutant Hazardous Substances)

	67-64-1	acetone	LT ~~100U~~ MB
	78-93-3	2-butanone	200U
	75-15-0	carbondisulfide	10U
	519-78-6	2-hexanone	100U
	108-10-1	4-methyl-2-pentanone	100U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	10U
	95-47-6	o-xylene	5.1 ~~5U~~ MB

Case 1887

GC SCREEN DATA SHEET

Laboratory Name Mead CompuChem

RECEIVED OCT 1 8 1983

Case Number 1887

Sample ID Number	Fraction	GC Detectable* Medium Level	Date of Screen	Level of GC/MS Analysis**
E3778	VOA	No	7-23-83	M
	B/N/A			
	Pesticides			
	Dioxin			
5609				
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			

*Answer Yes or No.
**Indicate"M" for medium level GC/MS analysis.
Indicate"L" for low level GC/MS analysis.

Case 1887

1

U.S. ENVIRONMENTAL PROTECTION AGENCY-CLP Sample Management Office
P.O. Box 818, Alexandria, VA 22313 - 703/557-2490

83M507556

Sample Number
E3775

LOW LEVEL SOLID

RECEIVED OCT 18 1983

ORGANICS ANALYSIS DATA SHEET - Page 1

Laboratory Name Mead CompuChem
Lab Sample ID No. 5606

Case Number ~~1887~~ 1887
SAS Number

Multiply all Values and Detection limits by 1 ☐ or 10 ☐ or ☑ 40% DET. LIMITS x1.22
(Check Box for Appropriate Factor)

ACID COMPOUNDS

PP#	CAS#		ug/kg
(21A)	88-06-2	2,4,6-trichlorophenol	1400 ~~100~~ mb
(22A)	59-50-7	p-chloro-m-cresol	20U
(24A)	95-57-8	2-chlorophenol	1500 ~~100~~ mb
(31A)	122-83-2	2,4-dichlorophenol	760 ~~100~~ mb
(34A)	105-67-9	2,4-dimethylphenol	10U
(57A)	88-75-5	2-nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	100U
(59A)	51-88-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
(64A)	87-36-5	pentachlorophenol	20U
(65A)	108-95-2	phenol	3200 ~~100~~ mb

(Non-Priority Pollutant Hazardous Substances)

	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	10U
	108-39-4	4-methylphenol	560 ~~100~~ mb
	95-95-4	2,4,5-trichlorophenol	100U

BASE-NEUTRAL COMPOUNDS

(1B)	83-32-9	acenaphthene	10U
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	10U
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene	10U
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene	LT ~~100~~ mb
(28B)	91-94-1	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine (as azobenzene)	20U
(39B)	206-44-0	fluoranthene	10U
(40B)	7005-72-3	4-chlorophenyl phenylether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U

BASE/NEUTRAL COMPOUNDS

PP#	CAS#		ug/kg
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	11--91-1	bis-(2-chloroethoxy)methane	20U
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene	10U
(56B)	98-95-3	nitrobenzene	10U
(62B)	86-30-6	N-nitrosodiphenylamine	10U
(63B)	621-64-7	N-nitrosodi-n-propylamine	20U
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	10U
(67B)	85-68-7	butyl benzyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate	10U
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	318-01-9	chrysene	10U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	10U
(79B)	181-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene	10U
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	183-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	10U

(Non-Priority Pollutant Hazardous Substances)

	62-53-3	aniline	10U
	100-51-6	benzyl alcohol	20U
	106-47-8	4-chloroaniline	50U
	132-64-9	dibenzofuran	10U
	91-57-6	2-methylnaphthalene	20U
	88-74-4	2-nitroaniline	100U
	99-09-2	3-nitroaniline	100U
	100-01-6	4-nitroaniline	100U

1887
Case ~~1887~~

Sample Number
E3775
MEDIUM LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 2

Laboratory Name Mead CompuChem
Lab Sample ID No. 5666

Case Number 1887
SAS Number

Multiply all Values and Detection Limits by 1 ☐ or 10 ☐ or ☑ 1.22
(Check Box for Appropriate Factor)

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VOLATILES

PP#	CAS#		ug/g
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	1,2-trans-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis,1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	LT ~~5U~~ mo
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(51V)	124-48-1	chlorodibromomethane	5u
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U

(Non-Priority Pollutant Hazardous Substances)

	67-64-1	acetone	100U
	78-93-3	2-butanone	200U
	75-15-0	carbondisulfide	10U
	519-78-6	2-hexanone	100U
	108-10-1	4-methyl-2-pentanone	100U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	10U
	95-47-6	o-xylene	5U

Case 1887

GC SCREEN DATA SHEET

Laboratory Name Mead CompuChem

Case Number 1887

RECEIVED OCT 1 8 1983

Sample ID Number	Fraction	GC Detectable* Medium Level	Date of Screen	Level of GC/MS Analysis**
E3775	VOA	yes	7-22-83	M
	B/N/A			
	Pesticides			
	Dioxin			
5606				
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			

*Answer Yes or No.
**Indicate"M" for medium level GC/MS analysis.
Indicate"L" for low level GC/MS analysis.

Case 1887

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MEAD COMPUCHEM ORGANICS ANALYSIS DATA SHEET

C# 1887

LAB SAMPLE I.D. # 005606

SAMPLE # E3225

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: FSCC7

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	% PURITY	ESTIMATED CONC. ~~(UG/G)~~ OR (UG/L) (EU)
1	254	108-10-1	2-PENTANONE,4-METHYL-	84.2	2000.
2	403	108-90-7	BENZENE,CHLORO-	92.7	970.
3	767	95-51-2	BENZENAMINE,2-CHLORO-	87.9	720.
4	842	106-48-9	PHENOL,4-CHLORO-	84.3	16000.
5	878	- -	SEARCH RESULTS < 80% PURITY	--.--	880.
6	890	- -	SEARCH RESULTS < 80% PURITY	--.--	760.
7	1060	- -	SEARCH RESULTS < 80% PURITY	--.--	4700.
8	1255	88-19-7	BENZENESULFONAMIDE,2-METHYL-	85.6	1900.
9	1315	62-44-2	ACETAMIDE,N-(4-ETHOXYPHENYL)-	86.3	500.
10	1407	- -	SEARCH RESULTS < 80% PURITY	--.--	360.
11	1465	- -	SEARCH RESULTS < 80% PURITY	--.--	340.
12	1590	- -	SEARCH RESULTS < 80% PURITY	--.--	830.
13	1651	80-05-7	PHENOL,4,4'-(1-METHYLETHYLIDENE)BIS-	82.0	1100.
14	1768	- -	SEARCH RESULTS < 80% PURITY	--.--	330.
15	1789	115-86-6	PHOSPHORICACID,TRIPHENYLESTER	86.1	460.
16	1880	629-99-2	PENTACOSANE	82.2	670.
17	1934	629-99-2	PENTACOSANE	82.3	650.
18	1986	629-99-2	PENTACOSANE	81.2	530.
19	2038	- -	SEARCH RESULTS < 80% PURITY	--.--	390.
20	2173	- -	SEARCH RESULTS < 80% PURITY	--.--	150.
~~21~~	~~2253~~	~~- -~~	SEARCH RESULTS < 80% PURITY	--.--	69.

33.999

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83MS07559

Sample Number
E3776
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 1

Laboratory Name: Mead CompuChem
Lab Sample ID No.: 5607

Case Number: ~~1887~~ 1887
SAS Number:

Multiply all Values and Detection limits by 1 [ ] or 10 [ ] or [✓] 1.30 x 40 (DETLIMITS)
(Check Box for Appropriate Factor)

ACID COMPOUNDS

PP#	CAS#		ug/kg
(21A)	88-06-2	2,4,6-trichlorophenol	1500 ~~10U~~ MB
(22A)	59-50-7	p-chloro-m-cresol	20U
(24A)	95-57-8	2-chlorophenol	LT ~~10U~~ MB
(31A)	122-83-2	2,4-dichlorophenol	4500 ~~10U~~ MB
(34A)	105-67-9	2,4-dimethylphenol	10U
(57A)	88-75-5	2-nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	100U
(59A)	51-88-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
(64A)	87-36-5	pentachlorophenol	11000 ~~20U~~ MB
(65A)	108-95-2	phenol	Q 100000 ~~10U~~ MB

(Non-Priority Pollutant Hazardous Substances)

	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	10U
	108-39-4	4-methylphenol	LT ~~10U~~ MB
	95-95-4	2,4,5-trichlorophenol	100U

BASE-NEUTRAL COMPOUNDS

(1B)	83-32-9	acenaphthene	10U
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	10U
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene	LT ~~10U~~ MB
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene	760 ~~10U~~ MB
(28B)	91-94-1	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine (as azobenzene)	20U
(39B)	206-44-0	fluoranthene	10U
(40B)	7005-72-3	4-chlorophenyl phenylether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U

BASE/NEUTRAL COMPOUNDS

PP#	CAS#		ug/kg
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	11--91-1	bis-(2-chloroethoxy)methane	20U
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene	10U
(56B)	98-95-3	nitrobenzene	10U
(62B)	86-30-6	N-nitrosodiphenylamine	10U
(63B)	621-64-7	N-nitrosodi-n-propylamine	20U
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	10U
(67B)	85-68-7	butyl benzyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate	10U
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	318-01-9	chrysene	10U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	10U
(79B)	181-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene	10U
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	183-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	10U

(Non-Priority Pollutant Hazardous Substances)

	62-53-3	aniline	10U
	100-51-6	benzyl alcohol	20U
	106-47-8	4-chloroaniline	50U
	132-64-9	dibenzofuran	10U
	91-57-6	2-methylnaphthalene	20U
	88-74-4	2-nitroaniline	100U
	99-09-2	3-nitroaniline	100U
	100-01-6	4-nitroaniline	100U

1887
Case ~~188~~

Sample Number
E3776
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 2

Laboratory Name Mead CompuChem
Lab Sample ID No. 5607

Case Number 1887
SAS Number

Multiply all Values and Detection limits by 1 ☐ or 10 ☐ or ☑ 1.30
(Check Box for Appropriate Factor)

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VOLATILES

PP#	CAS#		ug/kg
(2V)	107-02-8	acrolein	50U
(3V)	107-13-1	acrylonitrile	50U
(4V)	71-43-2	benzene	2.5U
(6V)	56-23-5	carbon tetrachloride	2.5U
(7V)	108-90-7	chlorobenzene	2.5U
(10V)	107-06-2	1,2-dichloroethane	2.5U
(11V)	71-55-6	1,1,1-trichloroethane	2.5U
(13V)	75-34-3	1,1-dichloroethane	2.5U
(14V)	79-00-5	1,1,2-trichloroethane	2.5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	2.5U
(16V)	75-00-3	chloroethane	2.5U
(19V)	110-75-8	2-chloroethylvinyl ether	2.5U
(23V)	67-66-3	chloroform	2.5U
(29V)	75-35-4	1,1-dichloroethene	2.5U
(30V)	156-60-5	1,2-trans-dichloroethene	2.5U
(32V)	78-87-5	1,2-dichloropropane	2.5U
(33V)	10061-02-6	trans-1,3-dichloropropene	2.5U
	10061-01-05	cis,1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	2.5U
(44V)	75-09-2	methylene chloride 8	~~2.5U~~ MB
(45V)	74-87-3	chloromethane	2.5U
(46V)	74-83-9	bromomethane	2.5U
(47V)	75-25-2	bromoform	2.5U
(48V)	75-27-4	bromodichloromethane	2.5U
(49V)	75-69-4	fluorotrichloromethane	2.5U
(51V)	124-48-1	chlorodibromomethane	2.5U
(85V)	127-18-4	tetrachloroethene	2.5U
(86V)	108-88-3	toluene	2.5U
(87V)	79-01-6	trichloroethene	2.5U
(88V)	75-01-4	vinyl chloride	2.5U

(Non-Priority Pollutant Hazardous Substances)

	67-64-1	acetone 977	~~50U~~ MB
	78-93-3	2-butanone	100U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	50U
	108-10-1	4-methyl-2-pentanone LT	~~50U~~ MB
	100-42-5	styrene	2.5U
	108-05-4	vinyl acetate	5U
	95-47-6	o-xylene	2.5U

Case 188.

Sample Number
E3776
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 3

Laboratory Name Mead CompuChem
Lab Sample ID No. 5607

Case Number 1887
SAS Number

Multiply all Values and Detection Limits by 1 ☐ or 10 ☐ or ☑ 130
(Check Box for Appropriate Factor)

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PESTICIDES

PP#	CAS#		ug/kg
(39P)	309-00-2	aldrin	4.0U
(90P)	60-57-1	dieldrin	4.0U
(91P)	57-74-9	chlordane	4.0U
(92P)	50-29-3	4,4'-DDT	4.0U
(93P)	72-55-9	4,4'-DDE	4.0U
(94P)	72-54-8	4,4'-DDD	4.0U
(95P)	115-29-7	endosulfan I	4.0U
(96P)	115-29-7	endosulfan II	4.0U
(97P)	1031-07-8	endosulfan sulfate	4.0U
(98P)	78-20-8	endrin	4.0U
(99P)	7421-43-4	endrin aldehyde	4.0U
(100P)	76-44-8	heptachlor	4.0U
(101P)	1024-57-3	heptachlor epoxide	4.0U
(102P)	319-84-6	BHC-Alpha	4.0U
(103P)	319-85-7	BHC-Beta	4.0U
(104P)	319-86-8	BHC-Delta	4.0U
(105P)	58-89-9	BHC-Gamma	4.0U
(106P)	53469-21-9	PCB-1242	4.0U
(107P)	11097-69-7	PCB-1254	4.0U
(108P)	11104-28-2	PCB-1221	4.0U
(109P)	11141-16-5	PCB-1232	4.0U
(110P)	12672-29-6	PCB-1248	4.0U
(111P)	11096-82-5	PCB-1260	4.0U
(112P)	12674-11-2	PCB-1016	4.0U
(113P)	8001-35-2	toxaphene	4.0U

DIOXINS

			ug/kg
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.16U

L

Case.

Sample Number
E3775
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 3

Laboratory Name Mead CompuChem
Lab Sample ID No. 5606

Case Number 1887
SAS Number

Multiply all Values and Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.22
(Check Box for Appropriate Factor)

RECEIVED OCT 1 8 1983

PESTICIDES

PP#	CAS#		ug/kg
(39P)	309-00-2	aldrin	4.0U
(90P)	60-57-1	dieldrin	4.0U
(91P)	57-74-9	chlordane	4.0U
(92P)	50-29-3	4,4'-DDT	4.0U
(93P)	72-55-9	4,4'-DDE	4.0U
(94P)	72-54-8	4,4'-DDD	4.0U
(95P)	115-29-7	endosulfan I	4.0U
(96P)	115-29-7	endosulfan II	4.0U
(97P)	1031-07-8	endosulfan sulfate	4.0U
(98P)	78-20-8	endrin	4.0U
(99P)	7421-43-4	endrin aldehyde	4.0U
(100P)	76-44-8	heptachlor	4.0U
(101P)	1024-57-3	heptachlor epoxide	4.0U
(102P)	319-84-6	BHC-Alpha	4.0U
(103P)	319-85-7	BHC-Beta	4.0U
(104P)	319-86-8	BHC-Delta	4.0U
(105P)	58-89-9	BHC-Gamma	4.0U
(106P)	53469-21-9	PCB-1242	4.0U
(107P)	11097-69-7	PCB-1254	4.0U
(108P)	11104-28-2	PCB-1221	4.0U
(109P)	11141-16-5	PCB-1232	4.0U
(110P)	12672-29-6	PCB-1248	4.0U
(111P)	11096-82-5	PCB-1260 PN. 69.6	~~4.0U~~
(112P)	12674-11-2	PCB-1016	4.0U
(113P)	8001-35-2	toxaphene	4.0U

DIOXINS

			ug/kg
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.16U

Case 1887

GC SCREEN DATA SHEET

RECEIVED OCT 1 8 1983

Laboratory Name Mead CompuChem

Case Number 1887

Sample ID Number	Fraction	GC Detectable* Medium Level	Date of Screen	Level of GC/MS Analysis**
E3776	VOA	ND	7-22-83	L
	B/N/A			
	Pesticides			
	Dioxin			
5607				
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			

*Answer Yes or No.
**Indicate"M" for medium level GC/MS analysis.
Indicate"L" for low level GC/MS analysis.

Case 1.

MEMO LOWRACHEM ORGANICS ANALYSIS DATA SHEET

C# 1887

LAB SAMPLE I.D. # 005685

SAMPLE # E3728

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: FSCC7

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	% PURITY	ESTIMATED CONC. ~~(UG/G) OR (UG/L)~~ (EU)
~~1~~	~~[illegible]~~	~~108-95-2~~	~~PHENOL~~	~~90.8~~	~~180000.~~
1	837	95-51-2	BENZENAMINE,2-CHLORO-	85.3	170000.
2	962	- -	SEARCH RESULTS < 80% PURITY	--.--	5200000.
3	973	- -	SEARCH RESULTS < 80% PURITY	--.--	4100000.
4	982	- -	SEARCH RESULTS < 80% PURITY	--.--	3000000.
5	1316	- -	SEARCH RESULTS < 80% PURITY	--.--	240000.
6	1345	- -	SEARCH RESULTS < 80% PURITY	--.--	200000.
7	1357	27854-40-6	BENZENE,(1,1-DIMETHYLDECYL)-	81.7	250000.
8	1374	- -	SEARCH RESULTS < 80% PURITY	--.--	150000.
9	1386	55134-07-1	BENZENE,(1,1,4,6,6-PENTAMETHYLHEPTYL)-	80.0	200000.
10	1429	27654-40-6	BENZENE,(1,1-DIMETHYLDECYL)-	87.1	43000.
11	1471	- -	SEARCH RESULTS < 80% PURITY	--.--	110000.
12	1484	- -	SEARCH RESULTS < 80% PURITY	--.--	1100000.

1999.980

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MEMO COMPUCHEM ORGANICS ANALYSIS DATA SHEET

C#1887

LAB SAMPLE I.D. # 085003

SAMPLE # E3778

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: FSCC7

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	% PURITY	ESTIMATED CONC. (UG/G) OR (UG/L) (EV)
13	1988	- -	SEARCH RESULTS < 80% PURITY	--.--	1100000.
14	1997	- -	SEARCH RESULTS < 80% PURITY	--.--	980000.
15	2015	- -	SEARCH RESULTS < 80% PURITY	--.--	5100000.
16	2033	- -	SEARCH RESULTS < 80% PURITY	--.--	1200000.
17	2043	- -	SEARCH RESULTS < 80% PURITY	--.--	1500000.
18	2052	- -	SEARCH RESULTS < 80% PURITY	--.--	3200000.
19	2063	- -	SEARCH RESULTS < 80% PURITY	--.--	1600000.
20	2116	- -	SEARCH RESULTS < 80% PURITY	--.--	1700000.

1563.500

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C # 1887

SAMPLE # E3778

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: VOAS

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	% PURITY	ESTIMATED CONC. (UG/G) ~~OR (UG/L~~ (EV)
1	451	106-46-7	BENZENE,1,4-DICHLORO- *	90.2	33.
2	639	108-38-3	BENZENE,1,3-DIMETHYL-	87.9	57.

1.000

* this compound is carry-over from a previous sample run - it is <u>not</u> present in this sample.

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U.S. ENVIRONMENTAL PROTECTION AGENCY-CLP Sample Management Office
P.O. Box 818, Alexandria, VA 22313 - 703/557-2490

E3M 507862

Sample Number
C3779
LOW LEVEL SOLID

RECEIVED OCT 18 1983

ORGANICS ANALYSIS DATA SHEET - Page 1

Laboratory Name Mead CompuChem
Lab Sample ID No. 5610

Case Number ~~1887~~ 1887
SAS Number

Multiply all Values and Detection limits by 1 ☐ or 10 ☐ or ☑ 1.44 X 800 (DET. LIMITS)
(Check Box for Appropriate Factor)

ACID COMPOUNDS

PP#	CAS#		ug/kg
(21A)	88-06-2	2,4,6-trichlorophenol	130000 ~~100~~ MD
(22A)	59-50-7	p-chloro-m-cresol	20U
(24A)	95-57-8	2-chlorophenol	31000 ~~100~~ MD
(31A)	122-83-2	2,4-dichlorophenol	560000 ~~100~~ MD
(34A)	105-67-9	2,4-dimethylphenol	10U
(57A)	88-75-5	2-nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	100U
(59A)	51-88-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
(64A)	87-36-5	pentachlorophenol	20U
(65A)	108-95-2	phenol	140000 ~~100~~ MD

(Non-Priority Pollutant Hazardous Substances)

	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	10U
	108-39-4	4-methylphenol	10U
	95-95-4	2,4,5-trichlorophenol	100U

BASE-NEUTRAL COMPOUNDS

(1B)	83-32-9	acenaphthene	10U
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	46000 ~~100~~ MD
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene	100000 ~~100~~ MD
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene	LT ~~100~~ MD
(28B)	91-94-1	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine (as azobenzene)	20U
(39B)	206-44-0	fluoranthene	10U
(40B)	7005-72-3	4-chlorophenyl phenylether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U

BASE/NEUTRAL COMPOUNDS

PP#	CAS#		ug/kg
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	11--91-1	bis-(2-chloroethoxy)methane	20U
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene	10U
(56B)	98-95-3	nitrobenzene	27000 ~~100~~ MD
(62B)	86-30-6	N-nitrosodiphenylamine	10U
(63B)	621-64-7	N-nitrosodi-n-propylamine	20U
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	10U
(67B)	85-68-7	butyl benzyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate	10U
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	318-01-9	chrysene	10U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	10U
(79B)	181-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene	10U
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	183-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	10U

(Non-Priority Pollutant Hazardous Substances)

	62-53-3	aniline	10U
	100-51-6	benzyl alcohol	20U
	106-47-8	4-chloroaniline	50U
	132-64-9	dibenzofuran	10U
	91-57-6	2-methylnaphthalene	20U
	88-74-4	2-nitroaniline	100U
	99-09-2	3-nitroaniline	100U
	100-01-6	4-nitroaniline	100U

1887
Case ~~1887~~

Sample Number
53779
MEDIUM LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 2

Laboratory Name Mead CompuChem
Lab Sample ID No. 5610

Case Number 1887
SAS Number

Multiply all Values and Detection Limits by 1 ☐ or 10 ☐ or ☑ 1.44
(Check Box for Appropriate Factor)

RECEIVED OCT 18 1983

VOLATILES

PP#	CAS#		ug/g
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	18 ~~54~~ mk
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	1,2-trans-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis,1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(51V)	124-48-1	chlorodibromomethane	5u
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U

(Non-Priority Pollutant Hazardous Substances)

	67-64-1	acetone	100U
	78-93-3	2-butanone	200U
	75-15-0	carbondisulfide	10U
	519-78-6	2-hexanone	100U
	108-10-1	4-methyl-2-pentanone	100U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	10U
	95-47-6	o-xylene	5U

Case 1887

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ORGANICS ANALYSIS DATA SHEET - Page 3

Sample Number
[illegible]
LOW LEVEL SOLID

Laboratory Name Mead CompuChem
Lab Sample ID No. 5610

Case Number [illegible]
SAS Number

Multiply all Values and Detection Limits by 1 ☐ or 10 ☐ or ☑ 100 x DET. LIMITS
(Check Box for Appropriate Factor)

PESTICIDES

PP#	CAS#		ug/kg
(39P)	309-00-2	aldrin	4.0U
(90P)	60-57-1	dieldrin	4.0U
(91P)	57-74-9	chlordane	4.0U
(92P)	50-29-3	4,4'-DDT	4.0U
(93P)	72-55-9	4,4'-DDE	4.0U
(94P)	72-54-8	4,4'-DDD	4.0U
(95P)	115-29-7	endosulfan I	4.0U
(96P)	115-29-7	endosulfan II	4.0U
(97P)	1031-07-8	endosulfan sulfate	4.0U
(98P)	78-20-8	endrin	4.0U
(99P)	7421-43-4	endrin aldehyde	4.0U
(100P)	76-44-8	heptachlor	4.0U
(101P)	1024-57-3	heptachlor epoxide	4.0U
(102P)	319-84-6	BHC-Alpha	4.0U
(103P)	319-85-7	BHC-Beta	4.0U
(104P)	319-86-8	BHC-Delta	4.0U
(105P)	58-89-9	BHC-Gamma	4.0U
(106P)	53469-21-9	PCB-1242 P.C. 1.7×10^5	~~4.0U~~ AE
(107P)	11097-69-7	PCB-1254 P.C. 3.6×10^5	~~4.0U~~ AE
(108P)	11104-28-2	PCB-1221	4.0U
(109P)	11141-16-5	PCB-1232	4.0U
(110P)	12672-29-6	PCB-1248	4.0U
(111P)	11096-82-5	PCB-1260	4.0U
(112P)	12674-11-2	PCB-1016	4.0U
(113P)	8001-35-2	toxaphene	4.0U

		DIOXINS	ug/kg
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.16U

Case 1887

GC SCREEN DATA SHEET

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Laboratory Name Mead CompuChem

Case Number 1887

Sample ID Number	Fraction	GC Detectable* Medium Level	Date of Screen	Level of GC/MS Analysis**
E3779	VOA	yes	7.23.83	M
	B/N/A			
	Pesticides			
	Dioxin			
5610				
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			

*Answer Yes or No.
**Indicate"M" for medium level GC/MS analysis.
Indicate"L" for low level GC/MS analysis.

Case 1887

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CH-1887
E3779

Case 1887

[illegible]	[illegible]	CAS #	COMPOUND NAME	% PURITY	ESTIMATED CONC. (UG/G) ~~OR (UG/L)~~ (EU)
[illegible]	[illegible]	[illegible]	[illegible] *	91.5	120.

* this compound is carry-over from a previous sample run – it is <u>not</u> present in this sample.

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[illegible] SHEET

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C# 887

[illegible] # [illegible]

SAMPLE # E3229

Case 1887

ESTIMATED CONCENTRATIONS OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: P5007

TIC	SCAN NUMBER	CAS #	COMPOUND NAME	% PURITY	ESTIMATED CONC. (UG/G) OR (UG/L) (EV)
1	460	108-90-7	BENZENE,CHLORO-	88.7	18000.
~~1~~	~~588~~	~~- -~~	~~SEARCH RESULTS < 80% PURITY~~	~~--.--~~	~~24000.~~
2	806	95-51-2	BENZENAMINE,2-CHLORO-	86.0	67000.
3	821	- -	SEARCH RESULTS < 80% PURITY	--.--	87000.
4	854	- -	SEARCH RESULTS < 80% PURITY	--.--	190000.
5	871	- -	SEARCH RESULTS < 80% PURITY	--.--	1200000.
6	882	- -	SEARCH RESULTS < 80% PURITY	--.--	3400000.
7	1242	90-43-7	[illegible]1'-BIPHENYL]-2-OL	80.1	33000.
8	1348	88-19-7	BENZENESULFONAMIDE,2-METHYL-	82.5	5100.
9	1415	-	SEARCH RESULTS < 80% PURITY	--.--	14000.
10	[illegible]	[illegible]	BENZOICACID,PHENYLMETHYLESTER	80.8	3300.
11	1541	[illegible]	1,1'-BIPHENYL,2',3,4-TRICHLORO-	84.0	5600.
12	[illegible]	- -	SEARCH RESULTS < 80% PURITY	--.--	12000.
13	[illegible]		SEARCH RESULTS < 80% PURITY	--.--	27000.
14	[illegible]	-	SEARCH RESULTS < 80% PURITY	--.--	21000.
15	[illegible]	- -	SEARCH RESULTS < 80% PURITY	--.--	5200.
16	[illegible]	-	SEARCH RESULTS < 80% PURITY	--.--	28000.
17	[illegible]	- -	SEARCH RESULTS < 80% PURITY	--.--	4000.
18	[illegible]	- -	SEARCH RESULTS < 80% PURITY	--.--	5100.
19	[illegible]	- -	SEARCH RESULTS < 80% PURITY	--.--	2700.
20	[illegible]	- -	SEARCH RESULTS < 80% PURITY	--.--	4500.

1

1887 MAP

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CASE NARRATIVE FOR CASE # ~~1887,~~ SUBSET #3

Attached are the associated Quality Assurance notices applicable to this set of samples. In addition, note that there was insufficient sample to allow for the determination of dry weight in CC#5617, EPA # E3780. Sample CC#5602, EPA #E3771 had a volatile fraction which screened "medium"; however, upon preparation and analysis of the sample, the analysis showed no hits of HSL compounds, and no compounds above 25% of the internal standard. Apparently there is an anomaly in the response of some compounds to the GC detector, as compared to the GC/MS detector, or there was some heterogeneity of sample which might account for this apparently inconsistent result.

Samples listed below are covered in this case report.

Paul Mills, Director, Quality Assurance September 27, 1983

CompuChem Sample #	EPA Sample #
5602	E3771
5603	E3772
5604	E3773
5605	E3774
5606	E3775
5607	E3776
5608	E3777
5609	E3778
5610	E3779
5617	E3780
5618	E3781
5619	E3782
5620	E3799

1887 MAP

Case ~~1887~~

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QUALITY ASSURANCE NOTICE
CASE# ~~1887~~ 1887 MAP

The pesticide sample spike (# 5615) and duplicate spike (# 5616) performed in this case exhibited severe matrix interferences which prevented accurate quantitation of several spike and surrogate compounds.

Bob Whitehead 8-16-83
Quality Assurance Specialist

Case 1887

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QUALITY ASSURANCE NOTICE: EPA CASE#.

In addition to the difficulties experienced in the analysis of semi-volatile calibration standards referenced in the attached memorandum from Dr. R. L. Myers at CompuChem to Dr. A. Haeberer, USEPA, 7/8/83, similar problems have been seen in the initial volatile calibration analyses. The Laboratory is, consistent with the semivolatiles, reverting to the calibration protocols of the previous contract for volatiles, until the criteria problems can be overcome or the criteria themselves are changed for this contract.

Paul May

Director, Quality Assurance July 22, 1983

The semivolatile calibration standards criteria being applied by CompuChem for Calibration Check Compounds is that the shift check standard must have for those compounds a response factor which is within the 20% difference criterion compared to the multipoint calibration standard of the same level. Again, the old protocol criteria is being applied, in which the average of the response factor differences are summed, so some individual standards response factor may be outside the 20% criteria, but the average of all may be less than 20%; this would be acceptable, and then samples would be run.

Paul May

Director, Quality Assurance July 22, 1983

Case 1887

U.S. ENVIRONMENTAL PROTECTION AGENCY-CLP Sample Management Office
P.O. Box 818, Alexandria, VA 22313 - 703/557-2490

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83M507563

Sample Number
E3780
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 1

Laboratory Name Mead CompuChem
Lab Sample ID No. 5617

Case Number ~~1887~~ 1887
SAS Number

Multiply all Values and Detection limits by 1 [ ] or 10 [ ] or [x] 400
(Check Box for Appropriate Factor)

ACID COMPOUNDS

PP#	CAS#		ug/kg
(21A)	88-06-2	2,4,6-trichlorophenol 2600D	~~100~~ mD
(22A)	59-50-7	p-chloro-m-cresol	20U
(24A)	95-57-8	2-chlorophenol 8400	~~100~~ mD
(31A)	122-83-2	2,4-dichlorophenol 260 000	~~100~~ mD
(34A)	105-67-9	2,4-dimethylphenol	10U
(57A)	88-75-5	2-nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	100U
(59A)	51-88-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
(64A)	87-36-5	pentachlorophenol	20U
(65A)	108-95-2	phenol 250000	~~100~~ mD

(Non-Priority Pollutant Hazardous Substances)

	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	10U
	108-39-4	4-methylphenol 36000	~~100~~ mD
	95-95-4	2,4,5-trichlorophenol	100U

BASE-NEUTRAL COMPOUNDS

PP#	CAS#		ug/kg
(1B)	83-32-9	acenaphthene	10U
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene 13000	~~100~~ mD
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene 28000	~~100~~ mD
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene 4800	~~100~~ mD
(28B)	91-94-1	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine (as azobenzene)	20U
(39B)	206-44-0	fluoranthene	10U
(40B)	7005-72-3	4-chlorophenyl phenylether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	11--91-1	bis-(2-chloroethoxy)methane	20U
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene LT	~~100~~ mD
(56B)	98-95-3	nitrobenzene 11000	~~100~~ mD
(62B)	86-30-6	N-nitrosodiphenylamine	10U
(63B)	621-64-7	N-nitrosodi-n-propylamine	20U
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	10U
(67B)	85-68-7	butyl benzyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate	10U
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	318-01-9	chrysene	10U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	10U
(79B)	181-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene	10U
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	183-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	10U

(Non-Priority Pollutant Hazardous Substances)

	62-53-3	aniline	10U
	100-51-6	benzyl alcohol	20U
	106-47-8	4-chloroaniline	50U
	132-64-9	dibenzofuran	10U
	91-57-6	2-methylnaphthalene	20U
	88-74-4	2-nitroaniline	100U
	99-09-2	3-nitroaniline	100U
	100-01-6	4-nitroaniline	100U

1887
Case ~~1887~~

Sample Number
E3780
MEDIUM LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 2

Laboratory Name Mead CompuChem
Lab Sample ID No. 5617

Case Number 1887
SAS Number

Multiply all Values and Detection Limits by 1 [✓] or 10 [ ] or [ ] _____
(Check Box for Appropriate Factor)

VOLATILES

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PP#	CAS#		ug/g
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	27 ~~5U~~
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	1,2-trans-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis,1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(51V)	124-48-1	chlorodibromomethane	5u
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U

(Non-Priority Pollutant Hazardous Substances)

	67-64-1	acetone	100U
	78-93-3	2-butanone	200U
	75-15-0	carbondisulfide	10U
	519-78-6	2-hexanone	100U
	108-10-1	4-methyl-2-pentanone	100U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	10U
	95-47-6	o-xylene	5U

Case 1887

Sample Number
E3786
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 3

Laboratory Name Mead CompuChem
Lab Sample ID No. 5617

Case Number 1887
SAS Number

Multiply all Values and Detection Limits by 1 ☐ or 10 ☐ or ☐ _____
(Check Box for Appropriate Factor)

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PESTICIDES

PP#	CAS#		ug/kg
(39P)	309-00-2	aldrin	4.0U
(90P)	60-57-1	dieldrin	4.0U
(91P)	57-74-9	chlordane	4.0U
(92P)	50-29-3	4,4'-DDT	4.0U
(93P)	72-55-9	4,4'-DDE	4.0U
(94P)	72-54-8	4,4'-DDD	4.0U
(95P)	115-29-7	endosulfan I	4.0U
(96P)	115-29-7	endosulfan II	4.0U
(97P)	1031-07-8	endosulfan sulfate	4.0U
(98P)	78-20-8	endrin	4.0U
(99P)	7421-43-4	endrin aldehyde	4.0U
(100P)	76-44-8	heptachlor	4.0U
(101P)	1024-57-3	heptachlor epoxide	4.0U
(102P)	319-84-6	BHC-Alpha	4.0U
(103P)	319-85-7	BHC-Beta	4.0U
(104P)	319-86-8	BHC-Delta	4.0U
(105P)	58-89-9	BHC-Gamma	4.0U
(106P)	53469-21-9	PCB-1242	~~4.0U~~
(107P)	11097-69-7	PCB-1254	~~4.0U~~
(108P)	11104-28-2	PCB-1221 P.C 6.6X10⁴	~~4.0U~~
(109P)	11141-16-5	PCB-1232	~~4.0U~~
(110P)	12672-29-6	PCB-1248	~~4.0U~~
(111P)	11096-82-5	PCB-1260	~~4.0U~~
(112P)	12674-11-2	PCB-1016	~~4.0U~~
(113P)	8001-35-2	toxaphene	~~4.0U~~

MO

DIOXINS

			ug/kg
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.16U

Case 1887

GC SCREEN DATA SHEET

RECEIVED OCT 1 8 1983

Laboratory Name Mead CompuChem

Case Number 1887

Sample ID Number	Fraction	GC Detectable* Medium Level	Date of Screen	Level of GC/MS Analysis**
E3780	VOA	yes	7-23-83	M
	B/N/A			
	Pesticides			
	Dioxin			
5617				
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			

*Answer Yes or No.
**Indicate"M" for medium level GC/MS analysis.
Indicate"L" for low level GC/MS analysis.

Case 1887

C# 1887

SAMPLE # E3780

[illegible] DATA SHEET

[illegible]

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: PEST

		CAS #	COMPOUND NAME	% PURITY	ESTIMATED CONC. ~~(UG/G) OR (UG/L)~~ (EU)
[illegible]	[illegible]	[illegible]	BENZENE, CHLORO-	89.4	7900.
[illegible]	[illegible]	[illegible]	BENZENAMINE, 2-CHLORO-	87.0	43000.
[illegible]	[illegible]	[illegible]	SEARCH RESULTS < 80% PURITY	--.--	31000.
[illegible]	[illegible]	[illegible]	SEARCH RESULTS < 90% PURITY	--.--	110000.
[illegible]	[illegible]	[illegible]	SEARCH RESULTS < 80% PURITY	--.--	330000.
[illegible]	[illegible]	[illegible]	SEARCH RESULTS < 80% PURITY	--.--	550000.
[illegible]	[illegible]	[illegible]	SEARCH RESULTS < 80% PURITY	--.--	15000.
[illegible]	[illegible]	[illegible]	SEARCH RESULTS < 80% PURITY	--.--	5800.
[illegible]	[illegible]	[illegible]	SEARCH RESULTS < 80% PURITY	85.2	4400.
[illegible]	[illegible]	[illegible]	1,1'-BIPHENYL-4-OL	91.7	9500.
[illegible]	[illegible]	[illegible]	BENZOIC ACID, 4-METHYL-, METHYL ESTER	38.5	3400.
[illegible]	[illegible]	[illegible]	~~[illegible] 1,2,3,4,5,6,7,8-OCTACHLORODIBENZO-P-DIOXIN~~	--.--	3600.
[illegible]	[illegible]	[illegible]	SEARCH RESULTS < 80% PURITY	--.--	5800.
11	[illegible]	[illegible]	SEARCH RESULTS < 80% PURITY	--.--	1300.
12	[illegible]	[illegible]	SEARCH RESULTS < 80% PURITY	--.--	2800.
13	[illegible]	[illegible]	SEARCH RESULTS < 80% PURITY	--.--	4300.
14	[illegible]	[illegible]	SEARCH RESULTS < 80% PURITY	--.--	23000.
15	[illegible]	[illegible]	SEARCH RESULTS < 80% PURITY	--.--	7200.
16	[illegible]	[illegible]	SEARCH RESULTS < 80% PURITY	84.0	3800.
17	[illegible]	[illegible]	PHOSPHORICACID, TRIMETHYLESTER	--.--	9600.
18	[illegible]	[illegible]	SEARCH RESULTS < 80% PURITY	--.--	5500.
19	[illegible]	[illegible]	SEARCH RESULTS < 80% PURITY		
20	[illegible]	[illegible]			

µg/kg

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1

83MS07S64

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P.O. Box 818, Alexandria, VA 22313 - 703/557-2490

RECEIVED OCT 18 1983

Sample Number
E3781
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 1

Laboratory Name Mead CompuChem
Lab Sample ID No. 5618

Case Number ~~1887~~ 1887
SAS Number

Multiply all Values and Detection limits by 1 ☐ or 10 ☐ or ☑ 40 (DET. limits) x 1.26
(Check Box for Appropriate Factor)

ACID COMPOUNDS

PP#	CAS#		ug/kg
(21A)	88-06-2	2,4,6-trichlorophenol	2700 ~~10U~~ AE
(22A)	59-50-7	p-chloro-m-cresol	20U
(24A)	95-57-8	2-chlorophenol	1600 ~~10U~~ AE
(31A)	122-83-2	2,4-dichlorophenol	17000 ~~10U~~ AE
(34A)	105-67-9	2,4-dimethylphenol	2000 ~~10U~~ AE
(57A)	88-75-5	2-nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	100U
(59A)	51-88-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
[illegible]	[illegible]	pentachlorophenol	20U
(65A)	108-95-2	phenol	45000 ~~10U~~ AE

(Non-Priority Pollutant Hazardous Substances)

	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	1400 ~~10U~~ AE
	108-39-4	4-methylphenol	9000 ~~10U~~ AE
	95-95-4	2,4,5-trichlorophenol	100U

BASE-NEUTRAL COMPOUNDS

(1B)	83-32-9	acenaphthene	10U
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	10U
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(16B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene	LT ~~10U~~ AE
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene	3100 ~~10U~~ AE
[illegible]	[illegible]	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine (as azobenzene)	20U
(39B)	206-44-0	fluoranthene	10U
(40B)	7005-72-3	4-chlorophenyl phenylether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U

BASE/NEUTRAL COMPOUNDS

PP#	CAS#		ug/kg
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	11--91-1	bis-(2-chloroethoxy)methane	20U
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene	800 ~~10U~~ AE
(56B)	98-95-3	nitrobenzene	LT ~~10U~~ AE
(62B)	86-30-6	N-nitrosodiphenylamine	10U
(63B)	621-64-7	N-nitrosodi-n-propylamine	20U
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	10U
(67B)	85-68-7	butyl benzyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate	400 ~~10U~~ AE
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	318-01-9	chrysene	10U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	10U
(79B)	181-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene	10U
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	10U

(Non-Priority Pollutant Hazardous Substances)

	62-53-3	aniline	10U
	100-51-6	benzyl alcohol	20U
	106-47-8	4-chloroaniline	9000 ~~50U~~ AE
	132-64-9	dibenzofuran	10U
	91-57-6	2-methylnaphthalene	20U
	88-74-4	2-nitroaniline	100U
	99-09-2	3-nitroaniline	100U
	100-01-6	4-nitroaniline	100U

1887
Case ~~1887~~

Sample Number
E3781

ORGANICS ANALYSIS DATA SHEET - Page 2

MEDIUM LEVEL SOLID

Laboratory Name Mead CompuChem
Lab Sample ID No. 5618

Case Number 1887
SAS Number

Multiply all Values and Detection Limits by 1 ☐ or 10 ☐ or ☒ 1.26
(Check Box for Appropriate Factor)

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VOLATILES

PP#	CAS#		ug/g
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	10U ~~5U~~
(10V)	107-06-2	1,2-dichloroethane	12 ~~5U~~ MD
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	1,2-trans-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis,1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	46 ~~5U~~ MD
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(51V)	124-48-1	chlorodibromomethane	5u
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	50 ~~5U~~ MD
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U

(Non-Priority Pollutant Hazardous Substances)

	67-64-1	acetone	100U
	78-93-3	2-butanone	200U
	75-15-0	carbondisulfide	10U
	519-78-6	2-hexanone	100U
	108-10-1	4-methyl-2-pentanone	100U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	10U
	95-47-6	o-xylene	140 ~~5U~~ MD

Case 1887

Sample Number
E3781
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 3

Laboratory Name Mead CompuChem
Lab Sample ID No. 5618

Case Number 1887
SAS Number

Multiply all Values and Detection Limits by 1 ☐ or 10 ☐ or ☑ 1.26 x50 (DET. LIMITS)
(Check Box for Appropriate Factor)

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PESTICIDES

PP#	CAS#		ug/kg
(39P)	309-00-2	aldrin	4.0U
(90P)	60-57-1	dieldrin	4.0U
(91P)	57-74-9	chlordane	4.0U
(92P)	50-29-3	4,4'-DDT	4.0U
(93P)	72-55-9	4,4'-DDE	4.0U
(94P)	72-54-8	4,4'-DDD	4.0U
(95P)	115-29-7	endosulfan I	4.0U
(96P)	115-29-7	endosulfan II	4.0U
(97P)	1031-07-8	endosulfan sulfate	4.0U
(98P)	78-20-8	endrin	4.0U
(99P)	7421-43-4	endrin aldehyde	4.0U
(100P)	76-44-8	heptachlor	4.0U
(101P)	1024-57-3	heptachlor epoxide	4.0U
(102P)	319-84-6	BHC-Alpha	4.0U
(103P)	319-85-7	BHC-Beta	4.0U
(104P)	319-86-8	BHC-Delta	4.0U
(105P)	58-89-9	BHC-Gamma	4.0U
(106P)	53469-21-9	PCB-1242	4.0U
(107P)	11097-69-7	PCB-1254	4.0U
(108P)	11104-28-2	PCB-1221	4.0U
(109P)	11141-16-5	PCB-1232	4.0U
(110P)	12672-29-6	PCB-1248	4.0U
(111P)	11096-82-5	PCB-1260	4.0U
(112P)	12674-11-2	PCB-1016	4.0U
(113P)	8001-35-2	toxaphene	4.0U

DIOXINS

			ug/kg
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.16U

Case 1887

GC SCREEN DATA SHEET

Laboratory Name Mead CompuChem

Case Number 1887

RECEIVED OCT 1 8 1983

Sample ID Number	Fraction	GC Detectable* Medium Level	Date of Screen	Level of GC/MS Analysis**
5618 E3781	VOA	yes	8/23/83	M
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			

*Answer Yes or No.
**Indicate"M" for medium level GC/MS analysis.
Indicate"L" for low level GC/MS analysis.

Case 1887

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C# 1887
E3781

Case 1887

ITEM	NUMBER	CAS #		PURITY	ESTIMATED CONC. (UG/G) ~~OR (UG/L)~~ (EU)
	654	103-30-0	BENZENE	94.1	500.

MEAD COMPUCHEM ORGANICS ANALYSIS DATA SHEET

SAMPLE # E3781

LAB SAMPLE I.D. # 005618

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: FSCC7

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	% PURITY	ESTIMATED CONC. ~~(UG/G) OR (UG/L)~~ (EV) mg/kg
1	333	108-11-2	2-PENTANOL,4-METHYL-	95.2	7400.
2	835	95-51-2	BENZENAMINE,2-CHLORO-	85.6	8800.
3	920	- -	SEARCH RESULTS < 80% PURITY	--.--	9800.
4	565	- -	SEARCH RESULTS < 80% PURITY	--.--	170000.
5	1757	- -	SEARCH RESULTS < 80% PURITY	— . —	14000.
6	1145	- -	SEARCH RESULTS < 80% PURITY	--.--	1900.
7	1899	- -	SEARCH RESULTS < 80% PURITY	— . —	5300.
8	1239	- -	SEARCH RESULTS < 80% PURITY	--.--	2800.
9	1267	55151-25-8	BENZENE,(1,1-DIMETHYLNONYL)-	82.4	7200.
10	1253	- -	SEARCH RESULTS < 80% PURITY	--.--	4700.
11	1347	- -	SEARCH RESULTS < 80% PURITY	--.--	78000.
12	1355	- -	SEARCH RESULTS < 80% PURITY	--.--	75000.
13	1376	- -	SEARCH RESULTS < 80% PURITY	--.--	51000.
14	1337	- -	SEARCH RESULTS < 80% PURITY	--.--	72000.
15	1410	17854-40-6	BENZENE,(1,1-DIMETHYLDECYL)-	88.9	20000.
16	1424	- -	SEARCH RESULTS < 80% PURITY	--.--	4600.
17	1476	- -	SEARCH RESULTS < 80% PURITY	--.--	8800.
18	1455	- -	SEARCH RESULTS < 80% PURITY	--.--	16000.
19	1563	- -	SEARCH RESULTS < 80% PURITY	--.--	6700.
20	1631	- -	SEARCH RESULTS < 80% PURITY	--.--	6100.
21	1686	- -	SEARCH RESULTS < 80% PURITY	--.--	6000.

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U.S. ENVIRONMENTAL PROTECTION AGENCY-CLP Sample Management Office
P.O. Box 818, Alexandria, VA 22313 - 703/557-2490

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83MS078665

Sample Number
E3782
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 1

Laboratory Name Mead CompuChem
Lab Sample ID No. 5619

Case Number ~~1887~~ 1887
SAS Number

Multiply all Values and Detection limits by 1 ☐ or 10 ☐ or ☑ 1.31 X 40 (DET. LIMITS)
(Check Box for Appropriate Factor)

ACID COMPOUNDS

PP#	CAS#		ug/kg
(21A)	88-06-2	2,4,6-trichlorophenol	4800 ~~100U~~ MB
(22A)	59-50-7	p-chloro-m-cresol	20U
(24A)	95-57-8	2-chlorophenol	1600 ~~100U~~ MB
(31A)	122-83-2	2,4-dichlorophenol	15000 ~~100U~~ MB
(34A)	105-67-9	2,4-dimethylphenol	10U
(57A)	88-75-5	2-nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	100U
(59A)	51-88-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
(64A)	87-36-5	pentachlorophenol	16000 ~~200U~~ MB
(65A)	108-95-2	phenol	11000 ~~100U~~ MB

(Non-Priority Pollutant Hazardous Substances)

	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	600 ~~100U~~ MB
	108-39-4	4-methylphenol	1900 ~~100U~~ MB
	95-95-4	2,4,5-trichlorophenol	100U

BASE-NEUTRAL COMPOUNDS

(1B)	83-32-9	acenaphthene	10U
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	10U
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene	10U
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene	860 ~~10U~~ MB
(28B)	91-94-1	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine (as azobenzene)	20U
(39B)	206-44-0	fluoranthene	10U
(40B)	7005-72-3	4-chlorophenyl phenylether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U

BASE/NEUTRAL COMPOUNDS

PP#	CAS#		ug/kg
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	11--91-1	bis-(2-chloroethoxy)methane	20U
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene LT	~~10U~~ MB
(56B)	98-95-3	nitrobenzene	10U
(62B)	86-30-6	N-nitrosodiphenylamine	10U
(63B)	621-64-7	N-nitrosodi-n-propylamine	20U
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	10U
(67B)	85-68-7	butyl benzyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate LT	~~10U~~ MB
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	318-01-9	chrysene	10U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	10U
(79B)	181-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene	10U
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	183-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	10U

(Non-Priority Pollutant Hazardous Substances)

	62-53-3	aniline	10U
	100-51-6	benzyl alcohol	20U
	106-47-8	4-chloroaniline	50U
	132-64-9	dibenzofuran	10U
	91-57-6	2-methylnaphthalene	20U
	88-74-4	2-nitroaniline	100U
	99-09-2	3-nitroaniline	100U
	100-01-6	4-nitroaniline	100U

1887
Case ~~1887~~

Sample Number
E3782
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 2

Laboratory Name Mead CompuChem
Lab Sample ID No. 5619

Case Number 1887
SAS Number

Multiply all Values and Detection limits by 1 ☐ or 10 ☐ or ☑ 1.31
(Check Box for Appropriate Factor)

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VOLATILES

PP#	CAS#		ug/kg
(2V)	107-02-8	acrolein	50U
(3V)	107-13-1	acrylonitrile	50U
(4V)	71-43-2	benzene	2.5U
(6V)	56-23-5	carbon tetrachloride	2.5U
(7V)	108-90-7	chlorobenzene	8.4 ~~2.5U~~ MB
(10V)	107-06-2	1,2-dichloroethane	3.4 ~~2.5U~~ MB
(11V)	71-55-6	1,1,1-trichloroethane	2.5U
(13V)	75-34-3	1,1-dichloroethane	2.5U
(14V)	79-00-5	1,1,2-trichloroethane	2.5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	2.5U
(16V)	75-00-3	chloroethane	2.5U
(19V)	110-75-8	2-chloroethylvinyl ether	2.5U
(23V)	67-66-3	chloroform	2.5U
(29V)	75-35-4	1,1-dichloroethene	2.5U
(30V)	156-60-5	1,2-trans-dichloroethene	2.5U
(32V)	78-87-5	1,2-dichloropropane	2.5U
(33V)	10061-02-6	trans-1,3-dichloropropene	2.5U
	10061-01-05	cis,1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	3.8 ~~2.5U~~ MB
(44V)	75-09-2	methylene chloride	15 ~~2.5U~~ MB
(45V)	74-87-3	chloromethane	2.5U
(46V)	74-83-9	bromomethane	2.5U
(47V)	75-25-2	bromoform	2.5U
(48V)	75-27-4	bromodichloromethane	2.5U
(49V)	75-69-4	fluorotrichloromethane	2.5U
(51V)	124-48-1	chlorodibromomethane	2.5U
(85V)	127-18-4	tetrachloroethene	2.5U
(86V)	108-88-3	toluene	LT ~~2.5U~~ MB
(87V)	79-01-6	trichloroethene	2.5U
(88V)	75-01-4	vinyl chloride	2.5U

(Non-Priority Pollutant Hazardous Substances)

	67-64-1	acetone	330 ~~50U~~ MB
	78-93-3	2-butanone	100U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	50U
	108-10-1	4-methyl-2-pentanone	LT ~~50U~~ MB
	100-42-5	styrene	2.5U
	108-05-4	vinyl acetate	5U
	95-47-6	o-xylene	13 ~~2.5U~~ MB

Case 1887

Sample Number
E 3782
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 3

Laboratory Name Mead CompuChem
Lab Sample ID No. 5619

Case Number 1887
SAS Number

Multiply all Values and Detection Limits by 1 ☐ or 10 ☐ or ☑ 1.31 x 20 (DET. Limits)
(Check Box for Appropriate Factor)

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PESTICIDES

PP#	CAS#		ug/kg
(39P)	309-00-2	aldrin	4.0U
(90P)	60-57-1	dieldrin	4.0U
(91P)	57-74-9	chlordane	4.0U
(92P)	50-29-3	4,4'-DDT	4.0U
(93P)	72-55-9	4,4'-DDE	4.0U
(94P)	72-54-8	4,4'-DDD	4.0U
(95P)	115-29-7	endosulfan I	4.0U
(96P)	115-29-7	endosulfan II	4.0U
(97P)	1031-07-8	endosulfan sulfate	4.0U
(98P)	78-20-8	endrin	4.0U
(99P)	7421-43-4	endrin aldehyde	4.0U
(100P)	76-44-8	heptachlor	4.0U
(101P)	1024-57-3	heptachlor epoxide	4.0U
(102P)	319-84-6	BHC-Alpha	4.0U
(103P)	319-85-7	BHC-Beta	4.0U
(104P)	319-86-8	BHC-Delta	4.0U
(105P)	58-89-9	BHC-Gamma	4.0U
(106P)	53469-21-9	PCB-1242	4.0U
(107P)	11097-69-7	PCB-1254	4.0U
(108P)	11104-28-2	PCB-1221	4.0U
(109P)	11141-16-5	PCB-1232	4.0U
(110P)	12672-29-6	PCB-1248 P.C 4700	~~4.0U~~ mo
(111P)	11096-82-5	PCB-1260	4.0U
(112P)	12674-11-2	PCB-1016	4.0U
(113P)	8001-35-2	toxaphene	4.0U

DIOXINS

			ug/kg
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.16U

Case 1887

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C# 1887
E 3782

Case 1887

MEAD CONFUCHEM ORGANICS ANALYSIS DATA SHEET

C# 1887

LAB SAMPLE I.D. # 005615

SAMPLE # E3782

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: FSCO7

[illegible]	SCAN NUMBER	CAS #	COMPOUND NAME	% PURITY	ESTIMATED CONC. ~~(UG/G) OR (UG/L)~~ (EV)
	400	- -	SEARCH RESULTS < 80% PURITY	--.--	270.
~~1~~	~~511~~	~~[illegible]-12-4~~	~~PHENOL,2-FLUORO-~~	98.6	~~480.~~
2	824	95-51-2	BENZENAMINE,2-CHLORO-	85.6	1100.
3	851	- -	SEARCH RESULTS < 80% PURITY	--.--	450.
~~2~~	~~882~~	~~- -~~	~~SEARCH RESULTS < 80% PURITY~~	--.--	~~4600.~~
4	920	- -	SEARCH RESULTS < 80% PURITY	--.--	2200.
5	963	- -	SEARCH RESULTS < 80% PURITY	--.--	21000.
6	985	- -	SEARCH RESULTS < 80% PURITY	--.--	420.
7	1048	88-99-3	1,2-BENZENEDICARBOXYLICACID	95.9	920.
8	1145	17854-40-6	BENZENE,(1,1-DIMETHYLDECYL)-	80.8	430.
9	1188	- -	SEARCH RESULTS < 80% PURITY	--.--	1100.
10	1202	- -	SEARCH RESULTS < 80% PURITY	--.--	1300.
11	1245	- -	SEARCH RESULTS < 80% PURITY	--.--	4500.
12	1274	- -	SEARCH RESULTS < 80% PURITY	--.--	3200.
13	1285	- -	SEARCH RESULTS < 80% PURITY	--.--	4000.
~~[illegible]~~	1456	~~- -~~	~~SEARCH RESULTS < 80% PURITY~~	--.--	~~1100.~~
14	1481	- -	SEARCH RESULTS < 80% PURITY	--.--	620.
15	1562	- -	SEARCH RESULTS < 80% PURITY	--.--	360.
16	1682	- -	SEARCH RESULTS < 80% PURITY	--.--	600.
17	1931	- -	SEARCH RESULTS < 80% PURITY	--.--	1400.
18	[illegible]	- -	SEARCH RESULTS < 80% PURITY	--.--	310.
19	1948	- -	"	—	430
20	2141	- -	"	—	600

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1

U.S. ENVIRONMENTAL PROTECTION AGENCY-CLP Sample Management Office
P.O. Box 818, Alexandria, VA 22313 - 703/557-2490

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83MS07R12

Sample Number
E3799
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 1

Laboratory Name Mead CompuChem
Lab Sample ID No. 5620

Case Number ~~1887~~ 1887
SAS Number

Multiply all Values and Detection limits by 1 ☐ or 10 ☐ or ☑ 40 x 1.07 Detection
(Check Box for Appropriate Factor)

ACID COMPOUNDS

PP#	CAS#		ug/kg
(21A)	88-06-2	2,4,6-trichlorophenol	10U
(22A)	59-50-7	p-chloro-m-cresol	20U
(24A)	95-57-8	2-chlorophenol	10U
(31A)	122-83-2	2,4-dichlorophenol	10U
(34A)	105-67-9	2,4-dimethylphenol	10U
(57A)	88-75-5	2-nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	100U
(59A)	51-88-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
(64A)	87-36-5	pentachlorophenol	20U
(65A)	108-95-2	phenol	10U

(Non-Priority Pollutant Hazardous Substances)

	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	10U
	108-39-4	4-methylphenol	10U
	95-95-4	2,4,5-trichlorophenol	100U

BASE-NEUTRAL COMPOUNDS

(1B)	83-32-9	acenaphthene	10U
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	10U
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene	10U
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene	10U
(28B)	91-94-1	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine (as azobenzene)	20U
(39B)	206-44-0	fluoranthene	10U
(40B)	7005-72-3	4-chlorophenyl phenylether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U

BASE/NEUTRAL COMPOUNDS

PP#	CAS#		ug/kg
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	11--91-1	bis-(2-chloroethoxy)methane	20U
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene	10U
(56B)	98-95-3	nitrobenzene	10U
(62B)	86-30-6	N-nitrosodiphenylamine	10U
(63B)	621-64-7	N-nitrosodi-n-propylamine	20U
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	10U
(67B)	85-68-7	butyl benzyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate	10U
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	318-01-9	chrysene	10U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	10U
(79B)	181-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene	10U
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	183-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	10U

(Non-Priority Pollutant Hazardous Substances)

	62-53-3	aniline	10U
	100-51-6	benzyl alcohol	20U
	106-47-8	4-chloroaniline	50U
	132-64-9	dibenzofuran	10U
	91-57-6	2-methylnaphthalene	20U
	88-74-4	2-nitroaniline	100U
	99-09-2	3-nitroaniline	100U
	100-01-6	4-nitroaniline	100U

1887
Case ~~1887~~

U.S. ENVIRONMENTAL PROTECTION AGENCY-CLP Sample Management Office
P.O. Box 818, Alexandria, VA 22313 - 703/557-2490

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Sample Number
E3799
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 1

Laboratory Name Mead CompuChem
Lab Sample ID No. 5620R

Case Number 1887
SAS Number

Multiply all Values and Detection limits by 1 ☐ or 10 ☐ or ☒ 40 Detection x 1.07
(Check Box for Appropriate Factor)

ACID COMPOUNDS

PP#	CAS#		ug/kg
(21A)	88-06-2	2,4,6-trichlorophenol	10U
(22A)	59-50-7	p-chloro-m-cresol	20U
(24A)	95-57-8	2-chlorophenol	10U
(31A)	122-83-2	2,4-dichlorophenol	10U
(34A)	105-67-9	2,4-dimethylphenol	10U
(57A)	88-75-5	2-nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	100U
(59A)	51-88-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
[illegible]	[illegible]	pentachlorophenol	20U
(65A)	108-95-2	phenol	10U

(Non-Priority Pollutant Hazardous Substances)

	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	10U
	108-39-4	4-methylphenol	10U
	95-95-4	2,4,5-trichlorophenol	100U

BASE-NEUTRAL COMPOUNDS

(1B)	83-32-9	acenaphthene	10U
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	10U
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene	10U
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene	10U
[illegible]	[illegible]	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine (as azobenzene)	20U
(39B)	206-44-0	fluoranthene	10U
(40B)	7005-72-3	4-chlorophenyl phenylether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U

BASE/NEUTRAL COMPOUNDS

PP#	CAS#		ug/kg
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	11--91-1	bis-(2-chloroethoxy)methane	20U
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene	10U
(56B)	98-95-3	nitrobenzene	10U
(62B)	86-30-6	N-nitrosodiphenylamine	10U
(63B)	621-64-7	N-nitrosodi-n-propylamine	20U
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	~~100~~ 47 mA
(67B)	85-68-7	butyl benzyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate	10U
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	318-01-9	chrysene	10U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	10U
(79B)	181-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene	10U
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	183-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	10U

(Non-Priority Pollutant Hazardous Substances)

	62-53-3	aniline	10U
	100-51-6	benzyl alcohol	20U
	106-47-8	4-chloroaniline	50U
	132-64-9	dibenzofuran	10U
	91-57-6	2-methylnaphthalene	20U
	88-74-4	2-nitroaniline	100U
	99-09-2	3-nitroaniline	100U
	100-01-6	4-nitroaniline	100U

Case 1887

Sample Number
53799
MEDIUM LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 2

Laboratory Name Mead CompuChem
Lab Sample ID No. 5620R

Case Number 1887
SAS Number

Multiply all Values and Detection Limits by 1 ☐ or 10 ☐ or ☑ 1.07
(Check Box for Appropriate Factor)

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VOLATILES

PP#	CAS#		ug/g
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	5U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	5U
(16V)	75-00-3	chloroethane	5U
(19V)	110-75-8	2-chloroethylvinyl ether	5U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	1,2-trans-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	5U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis,1,3-dichloropropene	10U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	LT ~~5U~~ mb 5
(45V)	74-87-3	chloromethane	5U
(46V)	74-83-9	bromomethane	5U
(47V)	75-25-2	bromoform	5U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	5U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U

(Non-Priority Pollutant Hazardous Substances)

	67-64-1	acetone	100U
	78-93-3	2-butanone	200U
	75-15-0	carbondisulfide	10U
	519-78-6	2-hexanone	100U
	108-10-1	4-methyl-2-pentanone	100U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	10U
	95-47-6	o-xylene	5U

Case 1887

Sample Number
E3799
LOW LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 3

Laboratory Name Mead CompuChem
Lab Sample ID No. 5620

Case Number 1887
SAS Number

Multiply all Values and Detection Limits by 1 ☐ or 10 ☐ or ☑ 1.07 x 10 (DET. LIMIT)
(Check Box for Appropriate Factor)

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PESTICIDES

PP#	CAS#		ug/kg
(39P)	309-00-2	aldrin	4.0U
(90P)	60-57-1	dieldrin	4.0U
(91P)	57-74-9	chlordane	4.0U
(92P)	50-29-3	4,4'-DDT	4.0U
(93P)	72-55-9	4,4'-DDE	4.0U
(94P)	72-54-8	4,4'-DDD	4.0U
(95P)	115-29-7	endosulfan I	4.0U
(96P)	115-29-7	endosulfan II	4.0U
(97P)	1031-07-8	endosulfan sulfate	4.0U
(98P)	78-20-8	endrin	4.0U
(99P)	7421-43-4	endrin aldehyde	4.0U
(100P)	76-44-8	heptachlor	4.0U
(101P)	1024-57-3	heptachlor epoxide	4.0U
(102P)	319-84-6	BHC-Alpha	4.0U
(103P)	319-85-7	BHC-Beta	4.0U
(104P)	319-86-8	BHC-Delta	4.0U
(105P)	58-89-9	BHC-Gamma	4.0U
(106P)	53469-21-9	PCB-1242	4.0U
(107P)	11097-69-7	PCB-1254	4.0U
(108P)	11104-28-2	PCB-1221	4.0U
(109P)	11141-16-5	PCB-1232	4.0U
(110P)	12672-29-6	PCB-1248	4.0U
(111P)	11096-82-5	PCB-1260	4.0U
(112P)	12674-11-2	PCB-1016	4.0U
(113P)	8001-35-2	toxaphene	4.0U

DIOXINS

			ug/kg
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.16U

Case 1887

GC SCREEN DATA SHEET

Laboratory Name Mead CompuChem

Case Number 1887

RECEIVED OCT 18 1983

Sample ID Number	Fraction	GC Detectable* Medium Level	Date of Screen	Level of GC/MS Analysis**
E 3799	VOA	yes	7-22-83	M
	B/N/A			
	Pesticides			
5620	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			

*Answer Yes or No.
**Indicate"M" for medium level GC/MS analysis.
Indicate"L" for low level GC/MS analysis.

Case 1887

QUALITY CONTROL NOTICE

RECEIVED OCT 1 8 1983

As required by the Federal Register, December 3, 1979 Method 625 procedure, the laboratory prepares method blanks when extracting water and hazardous waste samples. This is to insure that the glassware and the extraction environment is free from contamination.

The method blank, CompuChem® # 11136, extracted with this CompuChem® sample, # 5620, contained the priority pollutant compounds and concentrations listed below. The reported concentrations are adjusted as noted:

Compound	Method Blank Concentration	Sample Concentration	Sample Adjusted Concentration
methylene chloride	2.9 ug/kg		

NDB = The concentration of a priority pollutant in the blank is greater than 1/2 the detection limit and is greater than 1/2 the concentration in the sample.

BL = Concentration in blank is less than or equal to one half the detection limit of the compound; the blank value is ignored.

BG = The concentration in the blank is greater than 1/2 of the method detection limit and is less than or equal to 1/2 the concentration detected in a sample; the concentration in the blank is subtracted from the sample.

Case 1887

RECEIVED OCT 1 8 1983

C# 1887

SAMPLE # E3799

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: PSCC7

ITEM	PEAK NUMBER	CAS #	COMPOUND NAME	% PURITY	ESTIMATED CONC. (UG/G) OR (UG/L) (EU)
1	423	1068-19-5	HEPTANE,4,4-DIMETHYL-	83.0	240.
2	1687	- -	SEARCH RESULTS < BAC PLANT	--.--	210.

33.333

President

3308 East Chapel Hill/Nelson Highway
Post Office Box 12652
Research Triangle Park, NC 27709

Telephone: 919-549-8263
800-334-8525

Mead CompuChem

July 8, 1983

RECEIVED OCT 18 1983

Dr. Alfred Haeberer
USEPA
Support Services Branch (WH-548-A)
Hazardous Response Support Division
401 M Street, S.W.
Washington, D.C. 20460

Dear Fred:

The new protocols for semi-volatile analysis are currently not amenable to running samples on a routine basis (IFB WA 83 A094, Contract 68-01-6762). In order to prevent buildup of delinquent samples, I have decided to revert to the calibration protocols of the previous contract on a 3-week interim basis (IFB WA 82 A155, Contract 68-01-6727). The changed surrogate and deliverable items of the new protocols will be followed. I will provide you detailed technical information documenting all problems with the new protocols within the next 10 days.

I believe this change is in the best interest of the program. However, if this is unacceptable to you, please call immediately.

Sincerely,

R. Lee Myers, Ph.D.

RLM:eh

cc: S. Kovell
Dick Thacker - SMO
Gareth Pearson - EMSL

Case 1887

RECEIVED OCT 1 8 1983

WATER SURROGATE PERCENT RECOVERY SUMMARY

CASE NO. 1887
LOW LEVEL
WATER

CONTRACTOR Mead Compuchem
MED. LEVEL ✓
SOIL/SED. ✓

CONTRACT NO. 68-01 6762
HIGH LEVEL
OTHER (Specify)

QC REPORT NO.

							[Volatile]			[Semi-Volatile]							[Pesticide]	[Dioxin]
SURR. I.D.	EXT. DATE	EXT. I.D.	DATE ANA.	ANAL. I.D.	CC #	SMO Traffic No.	(#233) D_8 Toluene (84-110)	(#247) BFB (NE)	(#258) D_4-1,2 Dichloro Ethane (NE)	(#447) D_5 Nitro Benzene (42-130)	(#448) 2-Fluoro Biphenyl (50-150)	(#471) D_{10} Pyrene (NE)	(#496) D_{14} p-Ter Phenyl (NE)	(#612) D_5 Phenol (15-90)	(#619) 2-Fluoro Phenol (25-120)	(#628) 2,4,6-Tribromo Phenol (NE)	(#738) Dibutyl Chlor-endate (NE)	(#466) 1,2,3,4 TCDD (26-100)
383	8-05 83		8-12-83	633	5602	E3771	92	98	73									
383	8-12 83		8-12-83	633	5602	E3771	91	92	74									
383	8-12 83		8-13-83		5603	E3772	107	115	85									
383	8-12 83		8-13-83	670	5620	E3799	13	91	77									

Comments:

Volatiles: 0 out of 4 ; outside of QC limits
Semivolatiles: ___ out of ___ ; outside of QC limits
Dioxin: ___ out of ___ ; outside of QC limits

*Asterisked values are outside of QC limits
NE - Not established

Date Limit Set 12/82

RECEIVED OCT 1 8 1983

SOIL SURROGATE PERCENT RECOVERY SUMMARY

CASE NO. 1647
LOW LEVEL
WATER
QC REPORT NO.

CONTRACTOR Mead CompuChem
MED. LEVEL
SOIL/SED. XX

CONTRACT NO. 68-01-6762
HIGH LEVEL
OTHER (Specify)

							[Volatile]			[Semi-Volatile]							[Pesticide]	[Dioxin]
SURR. I.D.	EXT. DATE	EXT. I.D.	DATE ANA.	ANAL. I.D.	CC #	SMO Traffic No.	(#233) D_8 Toluene (81-120)	(#247) BFB (NE)	(#258) D_4-1,2 Dichloro Ethane (NE)	(#447) D_5 Nitro Benzene (19-120)	(#448) 2-Fluoro Biphenyl (17-120)	(#471) D_{10} Pyrene (NE)	(#496) D_{14} p-Ter Phenyl (NE)	(#612) D_5 Phenol (10-100)	(#619) 2-Fluoro Phenol (26-120)	(#628) 2,4,6-Tribromo Phenol (NE)	(#738) Dibutyl Chlor-endate (NE)	(#466) 1,2,3,4 TCDD (11-130)
383	8-12-83		8-13-83	623	5608	E3777	89	105	73									
382																		
368																		
364																		
383	8-12-83		8-13-83	670	5609	E3778	95	117	74									
382																		
368																		
364																		
383	8-12-83		8-13-83	670	5610	E3779	108	137	84									
382																		
368																		
364																		
383	8-12-83		8-13-83	670	5617	E3780	100	124	77									
382																		
368																		
364																		
383	8-12-83		8-13-83	670	5618	E3781	107	128	82									
382																		
368																		
364																		

Volatiles: 0 out of 5 ; outside of QC limits
Semivolatiles: ____ out of ____ ; outside of QC limits
Dioxin: ____ out of ____ ; outside of QC limits

*Asterisked values are outside of QC limits.
NE - Not established.

Comments:

RECEIVED OCT 1 8 1983

SOIL SURROGATE PERCENT RECOVERY SUMMARY

CASE NO. 1887
LOW LEVEL ✓
WATER
QC REPORT NO.

CONTRACTOR Mead CompuChem
MED. LEVEL
SOIL/SED. ✓

CONTRACT NO. 68-01-6762
HIGH LEVEL
OTHER (Specify)

8/12

							Volatile			Semi-Volatile							Pesticide	Dioxin
SURR. I.D.	EXT. DATE	EXT. I.D.	DATE ANA.	ANAL. I.D.	CC #	SMO Traffic No.	(#233) D_8 Toluene (81-120)	(#247) BFB (NE)	(#258) D_4-1,2 Dichloro Ethane (NE)	(#447) D_5 Nitro Benzene (19-120)	(#448) 2-Fluoro Biphenyl (17-120)	(#471) D_{10} Pyrene (NE)	(#496) D_{14} p-Ter Phenyl (NE)	(#612) D_5 Phenol (10-100)	(#619) 2-Fluoro Phenol (26-120)	(#628) 2,4,6-Tribromo Phenol (NE)	(#738) Dibutyl Chlor-endate (NE)	(#466) 1,2,3,4 TCDD (11-130)
383	8-18		8-23	722	5607	E3776	98	81	84									
382	7-21		8-12	659						68	75	30	180	97	95	84		
368	7-25 83		7-28-83	519 619													27	
																		52
					5608	E3777												
382	7-21 83		8-31-83	727						BDL		Dilution						
364	7-27		8-23-83	740														*ND
					5609	E3778												
382	7-21		8-13	586					50:1	Dilution: All		Surr.	BDL					
364	7-27 83		8-17-83	740														*UNDETERMINATE
					5610	E3779												
382	7-21 83		8-11-83	763		20:1 Dilution.				76	84	88	*230	57	*NF	*NF		
368			8-10-83	567 624													(*)	
364	7-27		8-9-83	755														27
					5611	E3780												
382	7-21 83		8-11-83	659						ALL	BDL	due	to	Dilution.		10:1		
368	7-26 83		8-10-83	567 624													O(*)	
	7-22 83		8-10-83	719														43

Volatiles: 0 out of 1 ; outside of QC limits
Semivolatiles: 2 out of 8 ; outside of QC limits
Dioxin: 2 out of 5 ; outside of QC limits

*Asterisked values are outside of QC limits.
NE - Not established.

Comments:
(A) QA Notice
(*) No recovery due to dilution

SOIL SURROGATE PERCENT RECOVERY SUMMARY

CASE NO. 18871
LOW LEVEL ✓
WATER
QC REPORT NO.

CONTRACTOR Mead CompuChem
MED. LEVEL
SOIL/SED. ✓

CONTRACT NO. 68-01-6762
HIGH LEVEL
OTHER (Specify)

8/12

RECEIVED OCT 18 1983

SURR. I.D.	EXT. DATE	EXT. I.D.	DATE ANA.	ANAL. I.D.	CC #	SMO Traffic No.	(#233) D_8 Toluene (81-120)	(#247) BFB (NE)	(#258) D_4-1,2 Dichloro Ethane (NE)	(#447) D_5 Nitro Benzene (19-120)	(#448) 2-Fluoro Biphenyl (17-120)	(#471) D_{10} Pyrene (NE)	(#496) D_{14} p-Ter Phenyl (NE)	(#612) D_5 Phenol (10-100)	(#619) 2-Fluoro Phenol (26-120)	(#628) 2,4,6-Tribromo Phenol (NE)	(#738) Dibutyl Chlor-endate (NE)	(#466) 1,2,3,4 TCDD (11-130)
							[Volatile]			[Semi-Volatile]							[Pesticide]	[Dioxin]
					5602	E3771												
382	7.21 83		8.25.83	602						29	39	74	55	96	64	—		
368	7.25 83		8.11.83	730													63	
																		46
					5603	E3772												
										20:1	Dilution:	All Surrogates	BDL					
368	7.25 83		8.12.83	694													14	
																		40
✓ 383	8.11 83		8.12.83	670	5604	E3773	97	104	72									
382	7.21 83		8.12.83	763						78	74	64	52	80	92	46		
368	7.26 83		8.12.83	694													ND 8/260 Aroclor 1016	
																		35
✓ 383	8.11 83		8.12.83	670	5605	E3774	100	110	75									
382	7.21		8.12.83	768						72	74	38	120	94	120	110		
368	7.25 83		8.8.83	H.K													NO RECOVERY due to Dilution	
																		57
					5606	E3775												
382	7/21 83		8/12/83	659						38	62	32	140	57	63	41		
368	7.25		8/13/83	947													4	
																		40

Volatiles: 0 out of 2 ; outside of QC limits
Semivolatiles: 0 out of 16 ; outside of QC limits
Dioxin: 0 out of 5 ; outside of QC limits

*Asterisked values are outside of QC limits.
NE - Not established.

Comments:

SOIL SURROGATE PERCENT RECOVERY SUMMARY

CASE NO. 1887
LOW LEVEL ✓
WATER
QC REPORT NO.

CONTRACTOR Mead Compu Chem
MED. LEVEL
SOIL/SED. ✓

CONTRACT NO. 68-01-6762
HIGH LEVEL
OTHER (Specify)

8/12

RECEIVED OCT 18 1983

SURR. I.D.	EXT. DATE	EXT. I.D.	DATE ANA.	ANAL. I.D.	CC #	SMO Traffic No.	[Volatile] (#233) D_8 Toluene (81-120)	(#247) BFB (NE)	(#258) D_4-1,2 Dichloro Ethane (NE)	[Semi-Volatile] (#447) D_5 Nitro Benzene (19-120)	(#448) 2-Fluoro Biphenyl (17-120)	(#471) D_{10} Pyrene (NE)	(#496) D_{14} p-Ter Phenyl (NE)	(#612) D_5 Phenol (10-100)	(#619) 2-Fluoro Phenol (26-120)	(#628) 2,4,6-Tribromo Phenol (NE)	[Pesticide] (#738) Dibutyl Chlor-endate (NE)	[Dioxin] (#466) 1,2,3,4 TCDD (11-130)
					5618	E3781												
382	7-21 83		8-11-83	659	1					82	92	74	200	70	80	74		
368	7/26		8-22-83	644													* NO REC NO PEAK FOR DDE	
24	7-22 83		8-4-83	755														27
383	8.11 83		8.13.83	714	5619	E3782	110	100	81									
382	7-21		8-12	763						76	74	66	91	100	120	140		
368	7-26 83		8.25.83	694													NO REC. NO Peak for DDE	
	7-22 83		8-4-83	755														46
					5620	E3799												
382	7-21		8-11-83	659						36	69	70	180	-*	-*	-		
368	7-26		8-11	597													10:1 Dilution No recovery	
	7-22 83		8-4-83	755														48

Volatiles: 0 out of 1 ; outside of QC limits
Semivolatiles: 2 out of 12 ; outside of QC limits
Dioxin: 0 out of 3 ; outside of QC limits

*Asterisked values are outside of QC limits.
NE - Not established.

Comments:

(A GA Note)
5620 - REPORT BOTH SV'S

SOIL SURROGATE PERCENT RECOVERY SUMMARY

CASE NO. 1FF1
LOW LEVEL
WATER
QC REPORT NO.

CONTRACTOR Mead CompuChem
MED. LEVEL
SOIL/SED. XX

CONTRACT NO. 68-01-6762
HIGH LEVEL
OTHER (Specify)

RECEIVED OCT 18 1983

SURR. I.D.	EXT. DATE	EXT. I.D.	DATE ANA.	ANAL. I.D.	CC #	SMO Traffic No.	Volatile (#233) D_8 Toluene (81-120)	Volatile (#247) BFB (NE)	Volatile (#258) D_4-1,2 Dichloro Ethane (NE)	Semi-Volatile (#447) D_5 Nitro Benzene (19-120)	Semi-Volatile (#448) 2-Fluoro Biphenyl (17-120)	Semi-Volatile (#471) D_{10} Pyrene (NE)	Semi-Volatile (#496) D_{14} p-Ter Phenyl (NE)	Semi-Volatile (#612) D_5 Phenol (10-100)	Semi-Volatile (#619) 2-Fluoro Phenol (26-120)	Semi-Volatile (#628) 2,4,6-Tribromo Phenol (NE)	Pesticide (#738) Dibutyl Chlor-endate (NE)	Dioxin (#466) 1,2,3,4 TCDD (11-130)
383					5604RP	E3722												
382																		
368																		
364	8-24		8-26-83	719														IND
383					5608RP	E3777												
382																		
368																		
364	8/17		8-18-83	719														IND
383					5620R	E3744												
382	8/19		8-21-83	817						54	65	87	73	—*	*	—		
368																		
364																		
383																		
382																		
368																		
364																		
383																		
382																		
368																		
364																		

Volatiles: ___ out of ___ ; outside of QC limits
Semivolatiles: 2 out of 4 ; outside of QC limits
Dioxin: 2 out of 2 ; outside of QC limits

*Asterisked values are outside of QC limits.
NE - Not established.

Comments:

Lab Blanks

RECEIVED OCT 1 8 1983

VOLATILES

REAGENT BLANK SUMMARY

CASE NO. 651
LOW LEVEL
WATER
QC REPORT NO.

CONTRACTOR
MED. LEVEL
SOIL/SED. ✓

CONTRACT NO.
HIGH LEVEL
OTHER (Specify)
UNITS (Circle) ug/kg ug/l

FRACTION	CAS# NUMBER	COMPOUND	CONCEN-TRATION	CONTRACT DETECTION LIMITS	COMMENTS	ASSOCIATED SMO #		SAMPLES CC #
VOLATILES:								
File I.D. CB830813A13		None				E3771	E3780	5602, 5603
Instrument I.D. C3						E3772	E3781	5608, 5609,
						E3777	E3789	5610, 5617
						E3778		5618
						E3779		5620
VOLATILES:								
File I.D. CB830812A05		None				E3773		5604
Instrument I.D. 5						E3774		5605
VOLATILES:								
File I.D. CB830812B05		None				E3776		5607
Instrument I.D. 5						E3782		5619
VOLATILES:								
File I.D. CB830817C13		None				E3775		5606
Instrument I.D. 13								

Lab Blanks

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VOLATILES
REAGENT BLANK SUMMARY

CASE NO. 1881
LOW LEVEL
WATER
QC REPORT NO.

CONTRACTOR [illegible]
MED. LEVEL
SOIL/SED.

CONTRACT NO. [illegible]
HIGH LEVEL
OTHER (Specify)
UNITS (Circle) ug/kg ug/l

FRACTION	CAS# NUMBER	COMPOUND	CONCEN-TRATION	CONTRACT DETECTION LIMITS	COMMENTS	ASSOCIATED SMO #		SAMPLES CC #
VOLATILES:								
File I.D. C083082613		None				E3799		5620
Instrument I.D. 13								
VOLATILES:								
File I.D.								
Instrument I.D.								
VOLATILES:								
File I.D.								
Instrument I.D.								
VOLATILES:								
File I.D.								
Instrument I.D.								

RECEIVED OCT 1 8 1983

VOLATILES
REAGENT BLANK SUMMARY

CASE NO. 1887
LOW LEVEL
WATER
QC REPORT NO.

CONTRACTOR Meal
MED. LEVEL XX
SOIL/SED. XX

CONTRACT NO. 68-D1-6762
HIGH LEVEL
OTHER (Specify)
UNITS (Circle) ug/kg ug/l (ug/g)

FRACTION	CASE NUMBER	COMPOUND	CONCEN-TRATION	CONTRACT DETECTION LIMITS	COMMENTS	ASSOCIATED SMO #		SAMPLES CC #
VOLATILES:		NONE			See Q.A. NOTICE	E3771		5602-03,
File I.D. 6034						E3772	E3781	5608-10,
Instrument I.D.						E3777	E3799	5617-18,
						E3778		5620
						E3779		
						E3780		
VOLATILES:								
File I.D. 10860		NONE				E3775		5606
Instrument I.D.								
VOLATILES:								
File I.D.								
Instrument I.D.								
VOLATILES:								
File I.D.								
Instrument I.D.								

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VOLATILES
REAGENT BLANK SUMMARY

CASE NO. 1337
LOW LEVEL XX
WATER
QC REPORT NO.

CONTRACTOR MEAI
MED. LEVEL
SOIL/SED. XX

CONTRACT NO. 68-01-6762
HIGH LEVEL
OTHER (Specify)
UNITS (Circle) ug/kg ug/l

FRACTION	CAS# NUMBER	COMPOUND	CONCEN-TRATION	CONTRACT DETECTION LIMITS	COMMENTS	ASSOCIATED SAMPLES SMO #	CC #
VOLATILES:						E3773	5604-07,
File I.D. 6814	75-69-4	trichlorofluoromethane	1.4	2.5		E3774	5619
Instrument I.D.						E3775	
						E3776	E3782
VOLATILES:							
File I.D. 11013		NONE				E3776	5607R2
Instrument I.D.							
VOLATILES:							
File I.D.							
Instrument I.D.							
VOLATILES:							
File I.D.							
Instrument I.D.							

RECEIVED 1 8 1983

SEMI-VOLATILE

REAGENT BLANK SUMMARY

CASE NO. 1337
LOW LEVEL XX
WATER
QC REPORT NO.

CONTRACTOR Mad
MED. LEVEL
SOIL/SED. XX

CONTRACT NO. 68-01-6762
HIGH LEVEL
OTHER (Specify)
UNITS (Circle) ug/kg ug/l

FRACTION	CAS# NUMBER	COMPOUND	CONCEN-TRATION	CONTRACT DETECTION LIMITS	COMMENTS	ASSOCIATED SMO #		SAMPLES CC #
SEMI-VOLATILES:						E3777	E3771	5608-10,
File I.D. 5782		NONE				E3778	E3772	5717-20,
						E3779	E3773	5602-07
Instrument I.D.						E3774	E3775	
						E3776	E3780	E3799
						E3781	E3782	
SEMI-VOLATILES:								
File I.D.								
Instrument I.D.								

RECEIVED OCT 1 8 1983

PESTICIDE

REAGENT BLANK SUMMARY

CASE NO. 1887
LOW LEVEL XX
WATER
QC REPORT NO.

CONTRACTOR Mead
MED. LEVEL
SOIL/SED. XX

CONTRACT NO. 68-01-6762
HIGH LEVEL
OTHER (Specify)
UNITS (Circle) ug/kg ug/l

FRACTION	CAS# NUMBER	COMPOUND	CONCEN-TRATION	CONTRACT DETECTION LIMITS	COMMENTS	ASSOCIATED SMO #		SAMPLES CC #	
PESTICIDES:						E3777	E3782	5608-10,	
File I.D. 5782		NONE.				E3778	E3799	5617-20,	
Instrument I.D.						E3779	E3711	5602-07	
						E3780	E3712	E3774	
						E3781	E3713	E3775	E3776
PESTICIDES:									
File I.D.									
Instrument I.D.									
PESTICIDES:									
File I.D.									
Instrument I.D.									
PESTICIDES:									
File I.D.									
Instrument I.D.									

RECEIVED OCT 1 8 1983

TCDD
REAGENT BLANK SUMMARY

CASE NO. 1887
LOW LEVEL XX
WATER
QC REPORT NO. 136-68

CONTRACTOR MEAD
MED. LEVEL
SOIL/SED. XX

CONTRACT NO. 68-01-6762
HIGH LEVEL
OTHER (Specify)
UNITS (Circle) (ug/kg) ug/l

FRACTION	CAS# NUMBER	COMPOUND	CONCEN-TRATION	CONTRACT DETECTION LIMITS	COMMENTS	ASSOCIATED SMO #		SAMPLES CC #
TCDD :						E3771	E3777	5602-5607
File I.D. 5782		NONE				E3772	E3778 E3779	5608-5610
Instrument I.D.						E3773	E3780 E3781	5617-5620
						E3774	E3782 E3789	
						E3775 E3776		
TCDD :								
File I.D.								
Instrument I.D.								
TCDD :								
File I.D.								
Instrument I.D.								
TCDD :								
File I.D.								
Instrument I.D.								

MATRIX SPIKE DUPLICATE/RECOVERY

CASE NO. 1397
LOW LEVEL XX
WATER
QC REPORT NO.

CONTRACTOR MEAD COMPUCHEM
MED. LEVEL
SOIL/SED. XX

CONTRACT NO. 68-01-6762
HIGH LEVEL
OTHER (Specify)
UNITS (Circle) (ug/kg) ug/l

RECEIVED OCT 18 1983

Case 1887

FRACTION	COMPOUND	SMO # CONC	CONC. SPIKE ADDED	CONC. MS	% REC.	CONC. MSD	% REC.	RPD	QC LIMITS* RPD	QC LIMITS* RECOVERY	COMMENTS
VOA 5607 SMO # E3776	1,1-Dichloroethylene	NV	12.5	18	144	17	1	6	<15%	51-150	5604, 5607 5619, 5605
	Trichloroethylene	NV	12.5	13	104	12	96	8	<15%	74-130	
	Chlorobenzene	NV	12.5	14	112	12	96	15	<15%	67-130	
MS #E3776 5611 MSD #E3776 5612	Toluene	NV	12.5	12	96	10	80	18*	<15%	58-130	
	Benzene	NV	12.5	12	96	10	80	18*	<15%	56-130	
B/N 5607 SMO # E3776	1,2,4-Trichlorobenzene	NV	2000	1900	95	2100	105	10	<50%	38-110	5602-10 5617-20
	Acenaphthene	NV	2000	1800	90	2200	110	20	<50%	57-120	
	2,4-Dinitrotoluene	NV	2000	480	24*	NF	—	—*	<50%	43-110	
MS #E3776 5613 MSD #E3776 5617	Di-N-Butylphthalate	NV	2000	1200	60	1500	75	22	<50%	13-110	
	Pyrene	NV	2000	2600	130	3300	165	24	<50%	25-140	
	N-Nitrosodi-N-Propylamine	NV	8000	11000	138*	11000	138	0	<50%	34-110	
	1,4-Dichlorobenzene	760	2000	2000	62	2300	[illegible]	22	<50%	33-110	
ACID 5607 SMO # E3776	Pentachlorophenol	1000	2000	17000	300*	7900	—	—	<40%	19-120	5602-10 5617-20
	Phenol	130,000[4]	2000	49000[2]	—*	52000	—	—	<40%	23-80	
	2-Chlorophenol	240	2000	1800	76	1900	95	22	<40%	33-110	
MS #E3776 MSD #E3776	P-Chloro-M-Cresol	NV	2000	2200	110	2000	100	10	<40%	32-110	
	4-Nitrophenol	NV	12000	8000	67	6000	—	—*	<40%	15-90	
PEST 5605 SMO # E3774	Lindane	NV	80	NF	—*	NF	—	—	<40%	87-110	5602-10, 5617-20 Matrix (?) interference
	Heptachlor	NV	80	110.3	138*	193	241	54*	<40%	43-120	
	Aldrin	NV	80	126	158*	NF	—	—	<40%	45-110	
MS #E3774 5615 MSD #E3774 5616	Dieldrin	NV	80	11.6	15*	NF	—	—	<40%	56-120	
	Endrin	NV	80	110.7	138*	NF	—	—	<40%	89-110	
	p,p-DDT	NV	80	NF	—*	NF	—	—	<40%	82-100	

*Asterisked values are outside QC limits.

RPD: VOAs 2 out of 5; outside QC limits
B/N 1 out of 7; outside QC limits
ACID 2 out of 5; outside QC limits
PEST 6 out of 6; outside QC limits

RECOVERY: VOAs 0 out of 5; outside QC limits
B/N 2 out of 7; outside QC limits
ACID 2 out of 5; outside QC limits
PEST 6 out of 6; outside QC limits

*Date Limits Set 12/82
Revision Due 6/83

MATRIX SPIKE DUPLICATE/RECOVERY

CASE NO. 1837
LOW LEVEL
WATER
QC REPORT NO.

CONTRACTOR MEAD COMPUCHEM
MED. LEVEL XX
SOIL/SED. XX

CONTRACT NO. 68-01-6763
HIGH LEVEL
OTHER (Specify)
UNITS (Circle) ug/g ug/l

RECEIVED OCT 18 1983

6063
6064

FRACTION	COMPOUND	SMO # CONC	CONC. SPIKE ADDED	CONC. MS	% REC.	CONC. MSD	% REC.	RPD	QC LIMITS* RPD	QC LIMITS* RECOVERY	COMMENTS
VOA 5311 SMO # E3794	1,1-Dichloroethylene	ND	25	21	84	21	84	0	<15%	51-150	5602-03, 5606, 5608, 5609-10, 5520 5517-18 SMO # 3794
	Trichloroethylene	ND	25	21	84	21	84	0	<15%	74-130	
	Chlorobenzene	ND	25	22	88	22	88	0	<15%	67-130	
MS # E3794 MSD # E3794	Toluene	4.8	25	22	88	22	88	0	<15%	58-130	
	Benzene	ND	25	20	80	20	80	0	<15%	56-130	
B/N SMO #	1,2,4-Trichlorobenzene								<50%	38-110	
	Acenaphthene								<50%	57-120	
	2,4-Dinitrotoluene								<50%	43-110	
MS # ___ MSD # ___	Di-N-Butylphthalate								<50%	13-110	
	Pyrene								<50%	25-140	
	N-Nitrosodi-N-Propylamine								<50%	34-110	
	1,4-Dichlorobenzene								<50%	33-110	
ACID SMO #	Pentachlorophenol								<40%	19-120	
	Phenol								<40%	23-80	
	2-Chlorophenol								<40%	33-110	
MS # ___ MSD # ___	P-Chloro-M-Cresol								<40%	32-110	
	4-Nitrophenol								<40%	15-90	
PEST SMO #	Lindane								<40%	87-110	
	Heptachlor								<40%	43-120	
	Aldrin								<40%	45-110	
MS # ___ MSD # ___	Dieldrin								<40%	56-120	
	Endrin								<40%	89-110	
	p,p-DDT								<40%	82-100	

*Asterisked values are outside QC limits.

RPD: VOAs 0 out of 5 ; outside QC limits
B/N ___ out of ___; outside QC limits
ACID ___ out of ___; outside QC limits
PEST ___ out of ___; outside QC limits

RECOVERY: VOAs 0 out of 5 ; outside QC limits
B/N ___ out of ___; outside QC limits
ACID ___ out of ___; outside QC limits
PEST ___ out of ___; outside QC limits

*Date Limits Set 1/82
Revision Due 6/83

Cont. 1887

VOLATILE INSTRUMENT TUNE AND PERFORMANCE

CASE NO. 1887 CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762
LOW LEVEL MED. LEVEL HIGH LEVEL
WATER SOIL/SED. OTHER (Specify)

BFB File Name: BF830826C13
Date: 8/26/83 Shift: C Analyst: 754

RECEIVED OCT 1 8 1983

Mass	BFB Ion Abundance Criteria	% Relative Abundance
50	15 - 40 percent of mass 95	21
75	30 - 60 percent of mass 95	47
95	base peak, 100 percent	100
96	5 - 9 percent of mass 95	7.6
173	less than 2 percent of mass 174	—
174	greater than 50 percent of mass 95	63
175	5 - 9 percent of mass 174	4.6 (7.3)[1]
176	greater than 95 percent, but less than 101 percent of 174	63
177	5 - 9 percent of mass 176	5.2 (8.3)[2]

BFB Performance Results:

☐ The BFB performance results were reviewed and found to be within the specified criteria.

Initials Date

☐ Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

Initials Date

Comments:

[1] Value in ( ) is % of mass 174

[2] Value in ( ) is % of mass 176

FORM VII

Revision Date 7/83 JRT

Case 1887

VOLATILE INSTRUMENT TUNE AND PERFORMANCE

CASE NO. 1887 CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762
LOW LEVEL ✓ MED. LEVEL HIGH LEVEL
WATER ✓ SOIL/SED. OTHER (Specify)

BFB File Name: BF830817C13
Date: 8/17/83 Shift: C Analyst: 714

RECEIVED OCT 18 1983

Mass	BFB Ion Abundance Criteria	% Relative Abundance
50	15 - 40 percent of mass 95	17
75	30 - 60 percent of mass 95	38
95	base peak, 100 percent	100
96	5 - 9 percent of mass 95	8.4
173	less than 2 percent of mass 174	0
174	greater than 50 percent of mass 95	63
175	5 - 9 percent of mass 174	3.6 (5.6)[1]
176	greater than 95 percent, but less than 101 percent of 174	60
177	5 - 9 percent of mass 176	4.9 (8.1)[2]

BFB Performance Results:

☐ The BFB performance results were reviewed and found to be within the specified criteria.

Initials Date

☐ Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

Initials Date

Comments:
5606

[1] Value in ( ) is % of mass 174

[2] Value in ( ) is % of mass 176

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Revision Date 7/83 JRT

Case 1887

VOLATILE INSTRUMENT TUNE AND PERFORMANCE

CASE NO. 1887 CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762
LOW LEVEL ____ MED. LEVEL ____ HIGH LEVEL ____
WATER ____ SOIL/SED. ____ OTHER (Specify) ____

BFB File Name: BF83C813B13
Date: 8/13/83 Shift: B Analyst: 670

RECEIVED OCT 18 1983

Mass	BFB Ion Abundance Criteria	% Relative Abundance
50	15 - 40 percent of mass 95	17.47
75	30 - 60 percent of mass 95	39.61
95	base peak, 100 percent	100.00
96	5 - 9 percent of mass 95	8.39
173	less than 2 percent of mass 174	—
174	greater than 50 percent of mass 95	52.25
175	5 - 9 percent of mass 194	3.88 (7.43)[1]
176	greater than 95 percent, but less than 101 percent of 174	50.29
177	5 - 9 percent of mass 176	4.68 (9.03)[2]

BFB Performance Results:

☑ The BFB performance results were reviewed and found to be within the specified criteria.

CAC 8/13/83
Initials Date

☐ Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

Initials Date

Comments:

[1] Value in ( ) is % of mass 174

[2] Value in ( ) is % of mass 176

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Revision Date 7/83 JRT

Case 1887

VOLATILE INSTRUMENT TUNE AND PERFORMANCE

CASE NO. 1887 CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762
LOW LEVEL MED. LEVEL HIGH LEVEL
WATER SOIL/SED. OTHER (Specify)

BFB File Name: BF8308121405
Date: 8/12/83 Shift: M Analyst: 633

RECEIVED OCT 18 1983

Mass	BFB Ion Abundance Criteria	% Relative Abundance
50	15 - 40 percent of mass 95	17
75	30 - 60 percent of mass 95	38
95	base peak, 100 percent	100
96	5 - 9 percent of mass 95	8.4
173	less than 2 percent of mass 174	<2%
174	greater than 50 percent of mass 95	91
175	5 - 9 percent of mass 174	5.5 (6.0)[1]
176	greater than 95 percent, but less than 101 percent of 174	90
177	5 - 9 percent of mass 176	5.4 (6.0)[2]

BFB Performance Results:

☐ The BFB performance results were reviewed and found to be within the specified criteria.

Initials Date

☐ Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

Initials Date

Comments:

[1] Value in ( ) is % of mass 174

[2] Value in ( ) is % of mass 176

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Revision Date 7/83 JRT

Case 1887

VOLATILE INSTRUMENT TUNE AND PERFORMANCE

CASE NO. 1887 CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762
LOW LEVEL MED. LEVEL HIGH LEVEL
WATER SOIL/SED. OTHER (Specify)

Date: 8/13/83 BFB File Name: BF830813A13 Shift: A Analyst: 633

RECEIVED OCT 18 1983

Mass	BFB Ion Abundance Criteria	% Relative Abundance
50	15 - 40 percent of mass 95	17
75	30 - 60 percent of mass 95	43
95	base peak, 100 percent	100
96	5 - 9 percent of mass 95	5.3
173	less than 2 percent of mass 174	<2%
174	greater than 50 percent of mass 95	53
175	5 - 9 percent of mass 174	3.8 (7.2)[1]
176	greater than 95 percent, but less than 101 percent of 174	50
177	5 - 9 percent of mass 176	2.6 (5.2)[2]

BFB Performance Results:

☐ The BFB performance results were reviewed and found to be within the specified criteria.

Initials Date

☐ Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

Initials Date

Comments:

[1] Value in ( ) is % of mass 174

[2] Value in ( ) is % of mass 176

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Revision Date 7/83 JRT

Case 1887

VOLATILE INSTRUMENT TUNE AND PERFORMANCE

CASE NO. 1887 CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762
LOW LEVEL _____ MED. LEVEL _____ HIGH LEVEL _____
WATER _____ SOIL/SED. _____ OTHER (Specify) _____

BFB File Name: BF830812B05
Date: 8/12/83 Shift: B Analyst: 670

RECEIVED OCT 18 1983

Mass	BFB Ion Abundance Criteria	% Relative Abundance
50	15 - 40 percent of mass 95	17.63
75	30 - 60 percent of mass 95	35.75
95	base peak, 100 percent	100
96	5 - 9 percent of mass 95	8.10
173	less than 2 percent of mass 174	—
174	greater than 50 percent of mass 95	89.10
175	5 - 9 percent of mass 174	5.45 ( )[1]
176	greater than 95 percent, but less than 101 percent of 174	86.00
177	5 - 9 percent of mass 176	4.50 ( )[2]

BFB Performance Results:

[✓] The BFB performance results were reviewed and found to be within the specified criteria.

CAC 8/12/83
Initials Date

[ ] Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

Initials Date

Comments:

[1] Value in ( ) is % of mass 174

[2] Value in ( ) is % of mass 176

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Revision Date 7/83 JRT

Case 1887

SEMI-VOLATILE INSTRUMENT TUNE AND PERFORMANCE

CASE NO. 1887 CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762
LOW LEVEL MED. LEVEL HIGH LEVEL
WATER SOIL/SED. OTHER (Specify)

DFTPP File Name: DW830811B16
Date: 8-11-83 Shift: B Analyst: 602

RECEIVED OCT 18 1983

Mass	DFTPP Ion Abundance Criteria	% Relative Abundance
51	30 - 60 percent of mass 198	59%
68	less than 2 percent of mass 69	0%
70	less than 2 percent of mass 69	0%
127	40 - 60 percent of mass 198	55%
197	less than 1 percent of mass 198	0%
198	base peak, 100 percent	100%
199	5 - 9 per cent of mass 198	7%
275	10 - 30 percent of mass 198	29%
365	greater than 1 percent of mass 198	4%
441	present but less mass than 443	14%
442	greater than 40 percent of mass 198	99%
443	17 - 23 percent of mass 442	19% (19%)*

DFTPP and BFB Performance Results:

☐ The DFTPP performance results were reviewed and found to be within the specified criteria.

Initials Date

☐ Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

Initials Date

Comments:

Pentachlorophenol Response Factor = $\frac{40}{\text{Area 188}} \times \frac{\text{Area 266}}{50}$ = .06

Benzidine Detectable ☒ Yes ☐ No

Area (Counts) 40 ng D10 Anthracene = 17800

Di-N-Butyl Phthalate Saturated ☐ Yes ☒ No

* Figure in ( ) is % of mass 442

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Case 1887

SEMI-VOLATILE INSTRUMENT TUNE AND PERFORMANCE

CASE NO. 1887 CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762
LOW LEVEL MED. LEVEL HIGH LEVEL
WATER SOIL/SED. OTHER (Specify)

DFTPP File Name: DH830812U4

Date: 8-12-83 Shift: C Analyst: 763

RECEIVED OCT 18 1983

Mass	DFTPP Ion Abundance Criteria	% Relative Abundance
51	30 - 60 percent of mass 198	49
68	less than 2 percent of mass 69	1.6
70	less than 2 percent of mass 69	—
127	40 - 60 percent of mass 198	40
197	less than 1 percent of mass 198	—
198	base peak, 100 percent	100
199	5 - 9 per cent of mass 198	8.5
275	10 - 30 percent of mass 198	18.9
365	greater than 1 percent of mass 198	1.0
441	present but less mass than 443	8.6
442	greater than 40 percent of mass 198	57.5
443	17 - 23 percent of mass 442	12.0 (21%)*

DFTPP and BFB Performance Results:

☐ The DFTPP performance results were reviewed and found to be within the specified criteria.

Initials Date

☐ Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

Initials Date

Comments:

Pentachlorophenol Response Factor = $\frac{40}{\text{Area } 188} \times \frac{\text{Area } 266}{50} = \boxed{.12}$

Benzidine Detectable ☑ Yes ☐ No

Area (Counts) 40 ng D10 Anthracene = 43,601

Di-N-Butyl Phthalate Saturated ☐ Yes ☐ No

* Figure in ( ) is % of mass 442

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SEMI-VOLATILE INSTRUMENT TUNE AND PERFORMANCE

CASE NO. 1887 CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762
LOW LEVEL MED. LEVEL HIGH LEVEL
WATER SOIL/SED. OTHER (Specify)

DFTPP File Name: DH530812B16
Date: 8-12-83 Shift: B Analyst: 727

RECEIVED OCT 18 1983

Mass	DFTPP Ion Abundance Criteria	% Relative Abundance
51	30 - 60 percent of mass 198	59%
68	less than 2 percent of mass 69	<.1%
70	less than 2 percent of mass 69	<.1%
127	40 - 60 percent of mass 198	55%
197	less than 1 percent of mass 198	<.1%
198	base peak, 100 percent	100%
199	5 - 9 per cent of mass 198	7.7%
275	10 - 30 percent of mass 198	24%
365	greater than 1 percent of mass 198	3.3%
441	present but less mass than 443	1%
442	greater than 40 percent of mass 198	68%
443	17 - 23 percent of mass 442	13% (19%)*

DFTPP and BFB Performance Results:

☐ The DFTPP performance results were reviewed and found to be within the specified criteria.

Initials Date

☐ Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

Initials Date

Comments:

Pentachlorophenol Response Factor = $\frac{40}{\text{Area 188}} \times \frac{\text{Area 266}}{50} = .08$

Benzidine Detectable ☑ Yes ☐ No

Area (Counts) 40 ng D10 Anthracene = 33242

Di-N-Butyl Phthalate Saturated ☐ Yes ☑ No

* Figure in ( ) is % of mass 442

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R Case 1887 JR

SEMI-VOLATILE INSTRUMENT TUNE AND PERFORMANCE

CASE NO. 1887 CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762
LOW LEVEL MED. LEVEL HIGH LEVEL
WATER SOIL/SED. OTHER (Specify)

DFTPP File Name: DH830811C16
Date: 8-11-83 Shift: C Analyst: 763

RECEIVED OCT 18 1983

Mass	DFTPP Ion Abundance Criteria	% Relative Abundance
51	30 - 60 percent of mass 198	57.2
68	less than 2 percent of mass 69	—
70	less than 2 percent of mass 69	—
127	40 - 60 percent of mass 198	58.5
197	less than 1 percent of mass 198	—
198	base peak, 100 percent	100.0
199	5 - 9 per cent of mass 198	8.4
275	10 - 30 percent of mass 198	21.8
365	greater than 1 percent of mass 198	4.0
441	present but less mass than 443	13.6
442	greater than 40 percent of mass 198	92.0
443	17 - 23 percent of mass 442	16 (17%)*

DFTPP and BFB Performance Results:

☐ The DFTPP performance results were reviewed and found to be within the specified criteria.

Initials Date

☐ Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

Initials Date

Comments:

Pentachlorophenol Response Factor = $\frac{40}{\text{Area } 188} \times \frac{\text{Area } 266}{50} = .11$

Benzidine Detectable ☑ Yes ☐ No

Area (Counts) 40 ng D10 Anthracene = 50,301

Di-N-Butyl Phthalate Saturated ☐ Yes ☐ No

* Figure in ( ) is % of mass 442

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Case 1887

SEMI-VOLATILE INSTRUMENT TUNE AND PERFORMANCE

CASE NO. 1887 CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762
LOW LEVEL MED. LEVEL HIGH LEVEL
WATER SOIL/SED. OTHER (Specify)

DFTPP File Name: DH830811B14
Date: 8-11-83 Shift: B Analyst: Goz

RECEIVED OCT 18 1983

Mass	DFTPP Ion Abundance Criteria	% Relative Abundance
51	30 - 60 percent of mass 198	56%
68	less than 2 percent of mass 69	0%
70	less than 2 percent of mass 69	0%
127	40 - 60 percent of mass 198	41%
197	less than 1 percent of mass 198	0%
198	base peak, 100 percent	100%
199	5 - 9 per cent of mass 198	8%
275	10 - 30 percent of mass 198	21%
365	greater than 1 percent of mass 198	2%
441	present but less mass than 443	9%
442	greater than 40 percent of mass 198	60%
443	17 - 23 percent of mass 442	12% (20%)*

DFTPP and BFB Performance Results:

☐ The DFTPP performance results were reviewed and found to be within the specified criteria.

Initials Date

☐ Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

Initials Date

Comments:

Pentachlorophenol Response Factor = $\frac{40}{\text{Area 188}} \times \frac{\text{Area 266}}{50}$ = .10

Benzidine Detectable [X] Yes [ ] No

Area (Counts) 40 ng D10 Anthracene = 28480

Di-N-Butyl Phthalate Saturated [ ] Yes [X] No

* Figure in ( ) is % of mass 442

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Case 1887

SEMI-VOLATILE INSTRUMENT TUNE AND PERFORMANCE

CASE NO. 1887 CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762
LOW LEVEL _____ MED. LEVEL _____ HIGH LEVEL _____
WATER _____ SOIL/SED. _____ OTHER (Specify) _____

DFTPP File Name: DH830826A16
Date: 8/26/83 Shift: A Analyst: 659

RECEIVED OCT 18 1983

Mass	DFTPP Ion Abundance Criteria	% Relative Abundance
51	30 - 60 percent of mass 198	56.35
68	less than 2 percent of mass 69	—
70	less than 2 percent of mass 69	—
127	40 - 60 percent of mass 198	49.77
197	less than 1 percent of mass 198	—
198	base peak, 100 percent	100.00
199	5 - 9 per cent of mass 198	5.43
275	10 - 30 percent of mass 198	4.10
365	greater than 1 percent of mass 198	4.45
441	present but less mass than 443	10.28
442	greater than 40 percent of mass 198	68.48
443	17 - 23 percent of mass 442	15.42 (22.5)*

DFTPP and BFB Performance Results:

[✓] The DFTPP performance results were reviewed and found to be within the specified criteria.

BP — Initials; 8/26/83 — Date

[ ] Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

Initials _____ Date _____

Comments:

Pentachlorophenol Response Factor = $\frac{40}{\text{Area 188}} \times \frac{\text{Area 266}}{50}$ = 0.07

Benzidine Detectable [✓] Yes [ ] No

Area (Counts) 40 ng D10 Anthracene = 50527

Di-N-Butyl Phthalate Saturated [ ] Yes [✓] No

* Figure in ( ) is % of mass 442

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Case 1887

SEMI-VOLATILE INSTRUMENT TUNE AND PERFORMANCE

CASE NO. 1887 CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762
LOW LEVEL MED. LEVEL HIGH LEVEL
WATER SOIL/SED. OTHER (Specify)

DFTPP File Name: DH830824C16
Date: Shift: Analyst:

RECEIVED OCT 18 1983

Mass	DFTPP Ion Abundance Criteria	% Relative Abundance
51	30 - 60 percent of mass 198	56
68	less than 2 percent of mass 69	<2
70	less than 2 percent of mass 69	<2
127	40 - 60 percent of mass 198	57
197	less than 1 percent of mass 198	<1
198	base peak, 100 percent	100
199	5 - 9 per cent of mass 198	6
275	10 - 30 percent of mass 198	19
365	greater than 1 percent of mass 198	71
441	present but less mass than 443	<443
442	greater than 40 percent of mass 198	740
443	17 - 23 percent of mass 442	8.47 (17)*

DFTPP and BFB Performance Results:

[X] The DFTPP performance results were reviewed and found to be within the specified criteria.

Initials: [illegible] Date: 8/24

[ ] Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

Initials Date

Comments:

Pentachlorophenol Response Factor = $\frac{40}{\text{Area 188}} \times \frac{\text{Area 266}}{50}$ = 008

Benzidine Detectable [X] Yes [ ] No

Area (Counts) 40 ng D10 Anthracene = 27170

Di-N-Butyl Phthalate Saturated [ ] Yes [X] No

* Figure in ( ) is % of mass 442

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