ecology and environment, inc.
223 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60606, TEL. 312-663-9415
International Specialists in the Environmental Sciences

EPA Region 5 Records Ctr.
373679

Date Received for Review: 9/22/83 Date Review Completed: 10/5/83

To: SCOTT BYRAM

From: Cynthia Bachunas

Subject: WOODFORD RD. QUARRY
ROS-8303-02

Sample Description: CASE # 1905 - LOW WATER ORGANICS

Project Data Status: COMPLETE

FIT Data Review Findings:

1. N/B/N DATA WILL NOT BE REGENERATED FOR SAMPLE # E3828 DUE TO INSUFFICIENT SAMPLE VOLUME
2. NO FIELD BLANK WAS SENT TO HEAD FOR ANALYSIS ; NO FIELD DUPLICATE WAS COLLECTED
3. THIS DATA WILL REMAIN UNREVIEWED BY CRL UNLESS OTHERWISE REQUESTED. IF A FORMAL QA/QC REVIEW IS NECESSARY, YOU MUST CONTACT THE O.S.C 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:

CAB

recycled paper

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

Complete.

DATE: 9/20/83

SUBJECT: Review of Region V CLP Data
Received for Review on 9/20/83

RECEIVED SEP 2 2 1983

FROM: Curtis Ross, Director
Central Regional Laboratory

Chuck Elly

TO: Data User: FIT

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

SITE NAME Woodford Rd Quarry SMO Case No. 1905

EPA Data Set No. SF 3182 No. of Samples: 4 D.U./Activity Numbers 4905 1 C47303

CRL No.'s 83MB0E521 to 83MB0E524

SMO Traffic No.'s E3827 to E3830

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)

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

RECEIVED SEP 20 1983 LAB.

83MB0852/

Sample Number E3827

LOW LEVEL LIQUID

ORGANICS ANALYSIS DATA SHEET - Page 1

Laboratory Name Mead CompuChem
Lab Sample ID No. 5797

Case Number 1905
SAS Number

Multiply Detection limits by 1 ☐ or 10 ☐ or ☑ 2
(Check Box for Appropriate Factor)

RECEIVED SEP 22 1983

ACID COMPOUNDS

PP#	CAS#		ug/l
(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	10U
(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/l
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	10U
(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

- Case 1905

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

Sample Number
E3827
LOW LEVEL LIQUID

ORGANICS ANALYSIS DATA SHEET - Page 1

Laboratory Name Mead CompuChem
Lab Sample ID No. 5797R

Case Number 1905
SAS Number

Multiply Detection limits by 1 ☐ or 10 ☐ or ☑ 2
(Check Box for Appropriate Factor)

RECEIVED SEP 2 2 1983

ACID COMPOUNDS

PP#	CAS#		ug/l
(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	10U
(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/l
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	10U
(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 LT ~~10U~~ mp	
(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 1905

Sample Number
E3827
LOW LEVEL LIQUID

ORGANICS ANALYSIS DATA SHEET - Page 2

Laboratory Name Mead CompuChem
Lab Sample ID No. 5797

Case Number 1905
SAS Number

Multiply Detection limits by 1 [✓] or 10 [ ] or [ ] _____
(Check Box for Appropriate Factor)

RECEIVED SEP 2 2 1983

VOLATILES

PP#	CAS#		ug/l
(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	83 ~~5U~~ MD
(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 ~~8~~	~~5U~~ MD SS
(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	21,000 ~~100U~~ MD
	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

L Case 1905

Sample Number
E3827
LOW LEVEL LIQUID

ORGANICS ANALYSIS DATA SHEET - Page 3

Laboratory Name Mead CompuChem
Lab Sample ID No. 5797

Case Number 1905
SAS Number

Multiply Detection limits by 1 [✓] or 10 [ ] or [ ] _____
(Check Box for Appropriate Factor)

RECEIVED SEP 2 2 1983

PESTICIDES

PP#	CAS#		ug/l
(39P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	endosulfan I	0.1U
(96P)	115-29-7	endosulfan II	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	78-20-8	endrin	0.1U
(99P)	7421-43-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	BHC-Alpha	0.1U
(103P)	319-85-7	BHC eta	0.1U
(104P)	319-86-8	BHC-Delta	0.1U
(105P)	58-89-9	BHC-Gamma	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-7	PCB-1254	0.1U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.1U

DIOXINS

			ug/l
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.004U

- Case 1905

GC SCREEN DATA SHEET

Laboratory Name Mead CompuChem

Case Number 1905

RECEIVED SEP 2 2 1983

Sample ID Number	Fraction	GC Detectable* Medium Level	Date of Screen	Level of GC/MS Analysis**
E3827	VOA	ND	7-23-83	L
	B/N/A	NO		L
	Pesticides	NO		L
	Dioxin	NO		L
5797				
	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 1905

RECEIVED SEP 2 2 1983

[illegible]

PAGE 4

Case 1905

SAMPLE # E3827

[illegible] # [illegible]

[illegible] TENTATIVELY IDENTIFIED COMPOUNDS

ITEM	(CAS) NUMBER	CAS #	COMPOUND NAME	% PURITY	ESTIMATED CONC. ~~(UG/G)~~ OR (UG/L) (EV)
1	[illegible]	- -	SEARCH RESULTS [illegible]	--.--	14.

[illegible]

RECEIVED SEP 2 2 1993

MEAD COMPUCHEM ORGANICS ANALYSIS DATA SHEET

C# 1905

LAB SAMPLE I.D. # 005797

SAMPLE # E3827

Case 1905

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	320	- -	SEARCH RESULTS < 80% PURITY	--.--	29.

2.000

RECEIVED SEP 22 1987

MEAD COMPUCHEM ORGANICS ANALYSIS DATA SHEET

C # 1905

LAB SAMPLE I.D. # 005797

SAMPLE # E3827

Case 1905

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	348	- -	SEARCH RESULTS < 80% PURITY	--.--	11.
~~2~~	~~2000~~	~~- -~~	~~SEARCH RESULTS < 80% PURITY~~	--.--	7.9
~~3~~	~~2073~~	~~- -~~	~~SEARCH RESULTS < 80% PURITY~~	--.--	3.4
~~4~~	~~2129~~	~~- -~~	~~SEARCH RESULTS < 80% PURITY~~	--.--	12.
~~5~~	~~2227~~	~~- -~~	~~SEARCH RESULTS < 80% PURITY~~	--.--	3.8

2.000

RECEIVED

SEP 20 1983

ORGANICS ANALYSIS DATA SHEET - Page 2

83MB0ES22

Sample Number

E3828

LOW LEVEL LIQUID

Laboratory Name Mead CompuChem

Lab Sample ID No. 5796

Case Number 1905

SAS Number

Multiply Detection limits by 1 ☑ or 10 ☐ or ☐ _____

(Check Box for Appropriate Factor)

RECEIVED SEP 2 2 1983

VOLATILES

PP#	CAS#		ug/l
(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	110 ~~5U~~ mp
(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	11 ~~5U~~ mp
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	5U

(Non-Priority Pollutant Hazardous Substances)

	67-64-1	acetone	340 ~~100U~~ mp
	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 1905

Sample Number
E3828
LOW LEVEL LIQUID

ORGANICS ANALYSIS DATA SHEET - Page 3

Laboratory Name Mead CompuChem
Lab Sample ID No. 5796

Case Number 1905
SAS Number

Multiply Detection limits by 1 ☑ or 10 ☐ or ☐ _____
(Check Box for Appropriate Factor)

RECEIVED SEP 2 2 1983

PESTICIDES

PP#	CAS#		ug/l
(39P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	endosulfan I	0.1U
(96P)	115-29-7	endosulfan II	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	78-20-8	endrin	0.1U
(99P)	7421-43-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	BHC-Alpha	0.1U
(103P)	319-85-7	BHC eta	0.1U
(104P)	319-86-8	BHC-Delta	0.1U
(105P)	58-89-9	BHC-Gamma	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-7	PCB-1254	0.1U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.1U

DIOXINS

			ug/l
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.004U

- Case 1905

GC SCREEN DATA SHEET

Laboratory Name Mead CompuChem

Case Number 1905

RECEIVED SEP 2 2 1983

Sample ID Number	Fraction	GC Detectable* Medium Level	Date of Screen	Level of GC/MS Analysis**
E3828	VOA	NO	7-23-83	L
	B/N/A	NO		L
	Pesticides	NO		L
	Dioxin	NO		L
5796				
	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 1905

QUALITY ASSURANCE NOTICE
CC#5796

RECEIVED SEP 2 2 1983

Due to insufficient sample remaining, the semi-volatile portion of this sample was not analyzed.

Susan R. Setzer
Quality Assurance Analyst

- Case 1905

QUALITY ASSURANCE NOTICE
CC #5796

RECEIVED SEP 2 2 1983

The following notice regards CompuChems current policies concerning the evaluation of TCDD data. Any blanks with surrogate recoveries outside control limits will also be affected by these policies.

(1) We are committed to rerun TCDD fractions if the recovery of the 1,2,3,4 TCDD surrogate drops below contract mandated levels.

Soils 11-128% Waters 26-104%

(2) If a TCDD rerun is required on a specific sample, the preparation process will start:
(a) With a split of the base neutral extract if B/N surrogate recoveries are within contract specified limits.
(b) With a re-extraction of the original sample if the B/N surrogates are outside of contract specified levels.
If the TCDD fraction preceeds the SV fraction through the system, a re-prep should be scheduled due to the low probability of a B/N surrogate failure. If the B/N fraction is then later determined to have bad surrogate recoveries, a full re-extraction can then be performed.

(3) If a TCDD blank has bad recoveries, the following rules will apply:
(a) All samples associated with the blank will be run, surrogate recoveries determined and the amount of native TCDD, if any, calculated.
(b) If the sample has surrogate recovery within contract specifications and does not have any native material present, it will be reported out with the appropriate QC notice.
(c) If, however, either surrogate recovery is out of the acceptable range or native TCDD is identified, the sample must be reprocessed based on the rules identified in point 2.

(4) If native TCDD is found in the blank the entire batch must be reextracted.

(5) Based on the rules defined in Point 2, if a group of samples are going to be reprepared from the base/neutral fraction, a new blank will be required. A CompuChem number for this blank can be obtained by using the the number 180 QC counter on the HP3000 system; a 1:20 insertion rate is required. This blank should start with 250 microliters of methylene chloride and follow all of the reprep steps.

(6) If the second TCDD also fails to produce acceptable results ~~we will invoice the EPA for the re-analysis of a full pesticide/~~ TCDD fraction.

Bob Whitehead 8-17-83
Quality Assurance Specialist.

Case 1905

ORGANICS ANALYSIS DATA SHEET - Page 4

RECEIVED SEP 2 2 1983

Lab Name: MEAD COMPUCHEM

QC REPORT NO:

SAMPLE NUMBER
E3828

B. TENTATIVELY IDENTIFIED COMPOUNDS

	CAS #	COMPOUND NAME	FRACTION	% MAXIMUM SCORE ATTAINED MASS MATCHING ROUTINES (SPECIFY)
1		None Found		
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Case 1905

RECEIVED

83MB08523

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

SEP 20 1983

Sample Number
E3829
LOW LEVEL LIQUID

ORGANICS ANALYSIS DATA SHEET - Page 1

Laboratory Name Mead CompuChem
Lab Sample ID No. 5799

Case Number 1905
SAS Number

Multiply Detection limits by 1 ☐ or 10 ☐ or ☑ 2
(Check Box for Appropriate Factor)

RECEIVED SEP 22 1983

ACID COMPOUNDS

PP#	CAS#		ug/l
(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 170 ~~20U~~ MN	
(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	10U
(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/l
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	10U
(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

L Case 1905

Sample Number
E3829
LOW LEVEL LIQUID

ORGANICS ANALYSIS DATA SHEET - Page 2

Laboratory Name Mead CompuChem
Lab Sample ID No. 5799

Case Number 1905
SAS Number

Multiply Detection limits by 1 [✓] or 10 [ ] or [ ] _____
(Check Box for Appropriate Factor)

RECEIVED SEP 2 2 1983

VOLATILES

PP#	CAS#		ug/l
(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	1000 ~~5U~~ MB
(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	5U

Case 1905

Sample Number
E3829
LOW LEVEL LIQUID

ORGANICS ANALYSIS DATA SHEET - Page 3

Laboratory Name Mead CompuChem
Lab Sample ID No. 5799

Case Number 1905
SAS Number

Multiply Detection limits by 1 ☑ or 10 ☐ or ☐ _____
(Check Box for Appropriate Factor)

RECEIVED SEP 2 2 1983

PESTICIDES

PP#	CAS#		ug/l
(39P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	endosulfan I	0.1U
(96P)	115-29-7	endosulfan II	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	78-20-8	endrin	0.1U
(99P)	7421-43-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	BHC-Alpha	0.1U
(103P)	319-85-7	BHC eta	0.1U
(104P)	319-86-8	BHC-Delta	0.1U
(105P)	58-89-9	BHC-Gamma	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-7	PCB-1254	0.1U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.1U

DIOXINS

			ug/l
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.004U

Case 1905

GC SCREEN DATA SHEET

Laboratory Name Mead CompuChem

Case Number 1905

RECEIVED SEP 2 2 1983

Sample ID Number	Fraction	GC Detectable* Medium Level	Date of Screen	Level of GC/MS Analysis**
E3829	VOA	NO	7-23-83	L
	B/N/A	NO		L
	Pesticides	NO		L
	Dioxin	NO		L
5799				
	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 1905

QUALITY ASSURANCE NOTICE

The statements checked below apply to the pesticide fraction of sample # 5799 . These statements apply to problems incurred with the quantitation of the surrogate, dibutyl chlorendate, or the spike compounds (QC samples only) flagged by an asterisk (*) on the compound list.

- [ ] No DBC recovery available due to a _____ dilution factor.
- [ ] No spike recovery available due to a _____ dilution factor.
- [ ] No spike recovery available due to severe matrix interference and/or the presence of high levels of PCBs which prevent quantitation of these compounds.
- [x] No DBC recovery due to severe matrix interference.
- [ ] Variations between duplicate samples due to non-homogenous nature of soil sample.
- [ ] No DBC recovery due to _____ dilution factor on packed/capillary (circle) and matrix interference on packed/capillary columns (circle).
- [ ] Low/high (circle) spike recoveries due to matrix interference.
- [ ] Additional Analyst/Quality Assurance Specialist comments:

_____

_____

_____

initials SES

date 9-12

RECEIVED SEP 2 2 1983

- Case 1905

RECEIVED SEP 2 2 1983

MEAD COMPUCHEM ORGANICS ANALYSIS DATA SHEET

C # 1905

LAB SAMPLE I.D. # 005799

SAMPLE # E3829

Case 1905 - 1

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	1244	- -	SEARCH RESULTS < 80% PURITY	--.--	37.
~~2~~	~~1399~~	~~- -~~	~~SEARCH RESULTS < 80% PURITY~~	~~--.--~~	~~71.~~

2.000

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

RECEIVED SEP 20 1983 LAB.

83MB08524

Sample Number E3830

LOW LEVEL LIQUID

ORGANICS ANALYSIS DATA SHEET - Page 1

Laboratory Name Mead CompuChem

Case Number 1905

Lab Sample ID No. 5798

SAS Number

Multiply Detection limits by 1 ☐ or 10 ☐ or ☑ 2
(Check Box for Appropriate Factor)

RECEIVED SEP 22 1983

ACID COMPOUNDS

PP#	CAS#		ug/l
(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 180 ~~20U~~ SES	
(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

PP#	CAS#		ug/l
(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	10U
(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/l
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	10U
(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

Case 1905

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

Sample Number
E3830
LOW LEVEL LIQUID

ORGANICS ANALYSIS DATA SHEET - Page 1

Laboratory Name Mead CompuChem
Lab Sample ID No. 5798R

Case Number 1905
SAS Number

Multiply Detection limits by 1 ☐ or 10 ☐ or ☒ 2
(Check Box for Appropriate Factor)

RECEIVED SEP 2 2 1983

ACID COMPOUNDS

PP#	CAS#		ug/l
(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 160	~~20U~~ 55
(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

PP#	CAS#		ug/l
(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	10U
(37B)	122-56-7	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/l
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	10U
(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

- Case 1905

Sample Number
E3830
LOW LEVEL LIQUID

ORGANICS ANALYSIS DATA SHEET - Page 2

Laboratory Name Mead CompuChem
Lab Sample ID No. 5798

Case Number 1905
SAS Number

Multiply Detection limits by 1 ☑ or 10 ☐ or ☐ _____
(Check Box for Appropriate Factor)

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VOLATILES

PP#	CAS#		ug/l
(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~~ MA
(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 1905

Sample Number
E3830
LOW LEVEL LIQUID

ORGANICS ANALYSIS DATA SHEET - Page 3

Laboratory Name Mead CompuChem
Lab Sample ID No. 5798

Case Number 1905
SAS Number

Multiply Detection limits by 1 ☑ or 10 ☐ or ☐ _____
(Check Box for Appropriate Factor)

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PESTICIDES

PP#	CAS#		ug/l
(39P)	309-00-2	aldrin	0.1U
(90P)	60-57-1	dieldrin	0.1U
(91P)	57-74-9	chlordane	0.1U
(92P)	50-29-3	4,4'-DDT	0.1U
(93P)	72-55-9	4,4'-DDE	0.1U
(94P)	72-54-8	4,4'-DDD	0.1U
(95P)	115-29-7	endosulfan I	0.1U
(96P)	115-29-7	endosulfan II	0.1U
(97P)	1031-07-8	endosulfan sulfate	0.1U
(98P)	78-20-8	endrin	0.1U
(99P)	7421-43-4	endrin aldehyde	0.1U
(100P)	76-44-8	heptachlor	0.1U
(101P)	1024-57-3	heptachlor epoxide	0.1U
(102P)	319-84-6	BHC-Alpha	0.1U
(103P)	319-85-7	BHC eta	0.1U
(104P)	319-86-8	BHC-Delta	0.1U
(105P)	58-89-9	BHC-Gamma	0.1U
(106P)	53469-21-9	PCB-1242	0.1U
(107P)	11097-69-7	PCB-1254	0.1U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.1U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.1U

DIOXINS

			ug/l
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.004U

Case 1905

GC SCREEN DATA SHEET

Laboratory Name Mead CompuChem

Case Number 1905

RECEIVED SEP 2 2 1983

Sample ID Number	Fraction	GC Detectable* Medium Level	Date of Screen	Level of GC/MS Analysis**
E3830	VOA	NO	7-23-83	L
	B/N/A	NO		L
	Pesticides	NO		L
	Dioxin	NO		L
5798				
	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.

L Case 1905

RECEIVED SEP 2 2 1983

MEAD COMPUCHEM ORGANICS ANALYSIS DATA SHEET

C# 1905

LAB SAMPLE I.D. # 005738

SAMPLE # E3830

Case 1905

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	1327	- -	SEARCH RESULTS < 80% PURITY	--.--	7.5
~~2~~	~~1489~~	~~87-86-5~~	~~PHENOL,PENTACHLORO-~~	~~84.1~~	~~20.~~
3	2128	- -	SEARCH RESULTS < 80% PURITY	--.--	4.2

2.000