CHEMICAL RECOVERY 01-293-20
ED BRIESCH F5-8104-5

U.S. ENVIRONMENTAL PROTECTION AGENCY-HWI Sample Management Office
P.O. Box 818, Alexandria, VA 22313 - 703/683-0885

Sample Number E0597

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81MC09518 transmitted 12/02/81 NOV 24 1981

Laboratory Name Mead CompuChem EZ1B 484 Case Number 698 145778

Lab Sample ID NO. 9139 QC Report No. 44-15,43-17,15-17

Signature of Person Authorized to Release Data: J. Russell

	ACID COMPOUNDS	ug/ml ug/g (circle one)
88-06-2	2,4,6-trichlorophenol	10U
59-50-7	p-chloro-m-cresol	20U
95-57-8	2-chlorophenol	10U
122-83-2	2,4-dichlorophenol	10U
105-67-9	2,4-dimethylphenol	10U
88-75-5	2-nitrophenol	10U
100-02-7	4-nitrophenol	90U
51-88-5	2,4-dinitrophenol	40U
534-52-1	4,6 dinitro-o-cresol	20U
87-86-5	pentachlorophenol	25U
108-95-2	phenol	10U

	BASE/NEUTRAL COMPOUNDS	
83-32-9	acenaphthene	10U
92-87-5	benzidine	25U
120-82-1	1,2,4-trichlorobenzene	10U
118-74-1	hexachlorobenzene	10U
67-72-1	hexachloroethane	10U
111-44-4	bis(2-chloroethyl)ether	10U
91-58-7	2-chloronaphthalene	10U
95-50-1	1,2-dichlorobenzene	10U
541-73-1	1,3-dichlorobenzene	10U
106-46-7	1,4-dichlorobenzene	10U
91-94-1	3,3'-dichlorobenzidine	10U
121-14-2	2,4-dinitrotoluene	10U
606-20-2	2,6-dinitrotoluene	10U
	1,2-diphenylhydrazine	10U
122-66-7	(as azobenzene)	10U
206-44-0	fluoranthene	10U
7005-72-3	4-chlorophenyl phenyl ether	10U

	BASE/NEUTRAL COMPOUNDS	ug/ml ug/g (circle one)
101-55-3	4-bromophenyl phenyl ether	10U
39638-32-9	bis-(2-chloroisopropyl)ether	10U
111-91-1	bis(2-chloroethoxy)methane	10U
87-68-3	hexachlorobutadiene	10U
77-47-4	hexachlorocyclopentadiene	10U
78-59-1	isophorone	10U
91-20-3	naphthalene	10 K
98-95-3	nitrobenzene	10U
NA	N-nitrosodimethylamine	NA
86-30-6	N-nitrosodiphenylamine	10U
621-64-7	N-nitrosodi-n-propylamine	10U
117-81-7	bis(2-ethylhexyl)phthalate	86, SC
85-68-7	butyl benzyl phthalate	10U
84-74-2	di-n-butyl phthalate	10U
117-84-0	di-n-octyl phthalate	10U
84-66-2	diethyl phthalate	10U
131-11-3	dimethyl phthalate	10U
56-55-3	benzo(a)anthracene	10U
50-33-8	benzo(a)pyrene	10U
205-99-2	3,4-benzofluoranthene	25U
207-08-9	benzo(k)fluoranthene	10U
318-01-9	chrysene	10U
208-96-8	acenaphthylene	10U
120-12-7	anthracene	10U
181-24-2	benzo(ghi)perylene	25U
86-73-7	fluorene	10U
85-01-8	phenanthrene	25U
53-70-3	dibenzo(a,h)anthracene	25U
183-39-5	indeno(1,2,3-cd)pyrene	25U
129-00-0	pyrene	25U

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Laboratory Name Mead CompuChem

Case Number 698

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QC Report No. 44-15, 43-17, 45-17

	VOLATILES	ug/ml or ug/g (Circle One)
107-02-8	acrolein	10U
107-13-1	acrylonitrile	10U
71-43-2	benzene	1U
56-23-5	carbon tetrachloride	1U
108-90-7	chlorobenzene	1U
107-06-2	1,2-dichloroethane	1U
71-55-6	1,1,1-trichloroethane	1U
75-34-3	1,1-dichloroethane	1U
79-00-5	1,1,2-trichloroethane	1U
79-34-5	1,1,2,2-tetrachloroethane	1U
75-00-3	chloroethane	1U
110-75-8	2-chloroethylvinyl ether	1U
67-66-3	chloroform	1U
75-35-4	1,1-dichloroethene	1U
156-60-5	1,2-trans-dichloroethene	1U
78-87-5	1,2-dichloropropane	1U
10061-0X-XX	1,3-dichloropropiene	1U
100-41-4	ethylbenzene	1U
75-09-2	methylene chloride	1 K
74-87-3	chloromethane	1U
74-83-9	bromomethane	1U
75-25-2	bromoform	1U
75-27-4	dichlorobromomethane	1U
75-69-4	trichlorofluoromethane	1U
75-71-8	dichlorodifluoromethane	1U
124-48-1	chlorodibromomethane	1U
127-18-4	tetrachloroethylene 1.5	
108-88-3	toluene	1U
79-01-6	trichloroethylene	1U
75-01-4	vinyl chloride	1U

	PESTICIDES	ug/ml or ug/g (Circle One)
309-00-2	aldrin	0.1U
60-57-1	dieldrin	0.1U
57-74-9	chlordane	0.1U
50-29-3	4,4'-DDT	0.1U
72-55-9	4,4'-DDE	0.1U
72-54-8	4,4'-DDD	0.1U
115-29-7	endosulfan I	0.1U
115-29-7	endosulfan II	0.1U
1031-07-8	endosulfan sulfate	0.1U
78-20-8	endrin	0.1U
7421-43-4	endrin aldehyde	0.1U
76-44-8	heptachlor	0.1U
1024-57-3	heptachlor epoxide	0.1U
319-84-6	BHC-Alpha	0.1U
319-85-7	BHC-Beta	0.1U
319-86-8	BHC-Delta	0.1U
58-89-9	BHC-Gama	0.1U
53469-21-9	PCB-1242	0.1U
11097-69-7	PCB-1254	2.5**
11104-28-2	PCB-1221	0.1U
11141-16-5	PCB-1232	0.1U
12672-24-6	PCB-1248	0.1U
11096-82-5	PCB-1260	0.1U
12674-11-2	PCB-1016	0.1U
8001-35-2	toxaphene	0.4U

	DIOXINS	
1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.1U

*Less than 10 ug/l

(pesticides less than, 0.1 ug/l)

Lab Name: Mead CompuChem Case No: 698

Lab Sample I.D. No. 9139

QC Report No: 44-15, 43-17, 45-7

Sample Number
E0597

A. SURROGATE SPIKE RESULTS

COMPOUND	Fraction	Conc (ug/g)	(Surrogates only) Spike Added (ug/g)	% Recovery
d-$_6$-Benzene	VOA	12.9	10	129
d-$_8$-Toluene	VOA	13.2	10	132
Fluorophenol	A	2.8	50	6
d-$_5$-Phenol	A	1.3	50	3
Pentafluorophenol	A	—	50	—
d-$_5$-Nitrobenzene	BN	40.0	50	80
Fluorobiphenyl	BN	44.9	50	90
A & BN Surrogates recoveries				
adjusted by 10/9, volume				
change.				

Form 1 (continued) Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit however.

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

(b) U - Indicates compound was analyzed for but not detected. Report the minimum detection limit value with the U, e.g., 10U. The footnote should read: U - Compound was analyzed for but not detected. The number is the minimum detection limit.

(c) K - If the mass spectral data indicate the presence of a compound that meets the identification criteria but the quantitative results is less than the specified detection limit but greater than zero, report the detection limit as K, e.g., 10K. The footnote should read: K- Actual value, within the limitations of this method, is less than the value given.

(d) J - Indicates as estimated value which is used when estimating a concentration for tentatively identified compounds, e.g., 1200J. The footnote should read: J - Estimated value.

(e) Other - Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described in a page attached to the data summary report.

(f) ** - This flag applies to pesticides parameters where the identification has been performed using two column confirmation (as specified in Method 608) but the level is too low for verification of the compound by mass spectrometry.

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Lab Name: Mead CompuChem Case No. 698

Lab Sample I.D. No. 9139

QC Report No: 44-15, 43-17, 45-17

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B. TENTATIVELY IDENTIFIED COMPOUNDS

	CAS #	COMPOUND NAME	FRAC-TION	% Pur.	Est. Conc.
1	95-63-6	Benzene, 1,2,4-Trimethyl-	BN	92%	44 J TN ug/g
2	1120-21-4	Undecane	BN	91%	170 J TN
3	1074-43-7	Benzene, 1-Methyl-3-Propyl	BN	71%	44 J TN
4	535-77-3	Benzene, 1-Methyl-3-(1-Methylethyl)	BN	72%	96 J TN
5	527-53-7	Benzene 1,2,3,5-Tetramethyl	BN	62%	77 J TN
6	95-93-2	Benzene, 1,2,4,5-Tetramethyl	BN	27%	48 J TN
7	593-45-3	Octadecane	BN	90%	23 J TN
8			BN		
9			BN		
10			BN		
11			ACID		
12			ACID		
13			ACID		
14			ACID		
15			ACID		
16			ACID		
17			ACID		
18			ACID		
19			ACID		
20			ACID		
21	108-38-3	Benzene, 1,3-Dimethyl	VOA	94%	178 J ug/g
22	108-38-3	Benzene, 1,3-Dimethyl	VOA	93%	216 J
23			VOA		
24			VOA		
25			VOA		
26			VOA		
27			VOA		
28			VOA		
29			VOA		
30			VOA		