MAK 12/21/81 12/21/81 CVW

Qc OK

SUPERFUND 1401
82WT06501 158443

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

Sample Number
E0528

ORGANICS ANALYSIS DATA SHEET - Page 1

Transmitted 12/22/81 by

DEC 14 1981

Laboratory Name Mead CompuChem Case Number 725

Lab Sample ID NO. 9947 QC Report No. 49-11, 50-11, 51-11

Signature of Person Authorized to Release Data: R D Miller

	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	ug/ml (ug/g) (circle one)
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	10U
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	10U
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

ORGANICS ANALYSIS DATA SHEET-Page 2

Sample Number
E0528

Laboratory Name Mead CompuChem

Case Number 725

Lab Sample ID NO. 9947

QC Report No. 49-11, 50-11, 51-11

	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	ND 8,5h
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	1U
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	0.1U
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)

LIST OF COMMONLY USED FOOTNOTES FOR COMMERCIAL AND EPA

II Indistingushable isomers.

I Presence indicated by extracted ion current profile; definitive spectra not obtainable due to interference.

Q Quantiatated from secondary ion.

CI Concentration estimated; interferences present with primary quantitation ions.

D Sample analysis using a _____ dilution.

SE Sample extract could not be concentrated to 1.0 ml, thus the detection limits are higher than normal.

DL Detection limits are adjusted to show change in sample quantity processed. The surrogate recoveries are not available.

SR Surrogate recoveries are not available because it was necessary to dilute the extract, based on GC screening results.

SC Suspected laboratory contaminant.

LT Less than the specified detection limit but greater than one half of the detection limit (present but BDL).

EV Estimated value (previously j) in house note: This footnote may not be used for PP compounds.

H Volatile vial received with headspace.

SV Amount corrected for sample volume.

TN Acid & BN recoveries adjusted 10/9 for volume change. (medium level 026 only)

DC Compound calculated from a _____ dilution.

CR Compound calculated using total RIC area. All secondary ions saturated.

12/07/81

Lab Name: Mead CompuChem

Lab Sample I.D. No. 9947

SAMPLE NUMBER
E0528

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/g)	(Surrogates only) Spike Added (ug/g)	% Recovery
d-$_6$-Benzene	VOA	12.26	10	123
d-$_8$-Toluene	VOA	12.24	10	122
1 Fluorophenol	A	4.67	50	9
1 d-$_6$-Phenol	A	1.55	50	3
1 Pentafluorophenol	A	1.64	50	3
d-$_5$-Nitrobenzene	BN	42.65	50	85
Fluorobiphenyl	BN	55.62	50	111
A & BN Surrogates recoveries				
adjusted by 10/9, volume				
change.				

ORGANICS ANALYSIS DATA SHEET - Page 4

Lab Name: Mead CompuChem Case No. 725

Lab Sample I.D. No. 9947

QC Report No: 49-11, 50-11, 51-11

Sample Number
E0528

B. TENTATIVELY IDENTIFIED COMPOUNDS

	CAS #	COMPOUND NAME	FRAC-TION	% Pur.	Est. Conc.
1	780-25-6	Benzenemethanamine, N-(Phenylmethylene)	BN	55%	29 J ug/g
2			BN		
3			BN		
4			BN		
5			BN		
6			BN		
7			BN		
8			BN		
9			BN		
10			BN		
11	55334-42-4	Dodecane, 1,2-Dibromo	ACID	52%	710 J
12	55401-65-5	Pentalene, Octahydro-1-(2-Octyldecyl)-	ACID	53%	1200 J
13	55401-65-5	Pentalene, Octahydro-1-(2-Octyldecyl)-	ACID	57%	250 J
14	55334-01-5	Phenanthrene, 9-Dodecyltetradecahydro	ACID	55%	100 J
15			ACID		
16			ACID		
17			ACID		
18			ACID		
19			ACID		
20			ACID		
21			VOA		
22			VOA		
23			VOA		
24			VOA		
25			VOA		
26			VOA		
27			VOA		
28			VOA		
29			VOA		
30			VOA		

QC OK 12/21/81 12/24/81

82WT06502

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

Sample Number
E0529

ORGANICS ANALYSIS DATA SHEET - Page 1

Transmitted 12/22/81 by

SUPERFUND 1401
DEC 14 1981

Laboratory Name Mead CompuChem

Case Number 725

Lab Sample ID NO. 9951

QC Report No. 44-22, 43-24, 45-24

Signature of Person Authorized to Release Data: R. D. Mellis

	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	ug/ml ug/g (circle one)
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
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	10U
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	10U
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

ORGANICS ANALYSIS DATA SHEET-Page 2

Sample Number
E0529

Laboratory Name Mead CompuChem

Case Number 725

Lab Sample ID NO. 9951

QC Report No. 44-2243-24,45-24

	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 NDB	
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	1U
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	0.1U
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)

LIST OF COMMONLY USED FOOTNOTES FOR COMMERCIAL AND EPA

II Indistingushable isomers.

I Presence indicated by extracted ion current profile; definitive spectra not obtainable due to interference.

Q Quantiatated from secondary ion.

CI Concentration estimated; interferences present with primary quantitation ions.

D Sample analysis using a _____ dilution.

SE Sample extract could not be concentrated to 1.0 ml, thus the detection limits are higher than normal.

DL Detection limits are adjusted to show change in sample quantity processed. The surrogate recoveries are not available.

SR Surrogate recoveries are not available because it was necessary to dilute the extract, based on GC screening results.

SC Suspected laboratory contaminant.

LT Less than the specified detection limit but greater than one half of the detection limit (present but BDL).

EV Estimated value (previously j) in house note: This footnote may not be used for PP compounds.

H Volatile vial received with headspace.

SV Amount corrected for sample volume.

TN Acid & BN recoveries adjusted 10/9 for volume change. (medium level 026 only)

DC Compound calculated from a _____ dilution.

CR Compound calculated using total RIC area. All secondary ions saturated.

12/07/81

Lab Name: Mead CompuChem

Lab Sample I.D. No. 9951

SAMPLE NUMBER
C#725-E0529

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/g)	(Surrogates only) Spike Added (ug/g)	% Recovery
d-6-Benzene	VOA	9.91	10	99
d-8-Toluene	VOA	9.84	10	98
1 Fluorophenol	A	3.01	50	6
1 d-6-Phenol	A	1.34	50	3
1 Pentafluorophenol	A	0.56	50	1
d-5-Nitrobenzene	BN	43.27	50	86
Fluorobiphenyl	BN	52.74	50	105
A & BN Surrogates recoveries				
adjusted by 10/9, volume				
change.				

recoveries acceptable for sediments MSK 12/21/87

ORGANICS ANALYSIS DATA SHEET - Page 4

Lab Name: Mead CompuChem Case No. 725

Lab Sample I.D. No. 9951

QC Report No: 44-22,43-24,45-24

Sample Number
E0529

B. TENTATIVELY IDENTIFIED COMPOUNDS

	CAS #	COMPOUND NAME	FRACTION	% Pur.	Est. Conc.
1	632-51-9	Benzene,1,1',1'',1'''-(1,2-Ethenediylidene)Tetrakis	BN	36%	18 J ug/g
2	780-25-6	Benzenemethanamine,N-(Phenylmethylene)-	BN	55%	32 J
3			BN		
4			BN		
5			BN		
6			BN		
7			BN		
8			BN		
9			BN		
10			BN		
11	24254-56-6	Hydroperoxide, 1-Ethylbutyl	ACID	82%	61 J SC
12	762-46-9	Hydroperoxide, 1-Methylhexyl	ACID	87%	33 J SC
13			ACID		
14			ACID		
15			ACID		
16			ACID		
17			ACID		
18			ACID		
19			ACID		
20			ACID		
21			VOA		
22			VOA		
23			VOA		
24			VOA		
25			VOA		
26			VOA		
27			VOA		
28			VOA		
29			VOA		
30			VOA		

not reported for DO2

QC OK MAK 12/21/81 12/21/81

SUPERFUND 1401
82WT06503

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

Sample Number
E0530

ORGANICS ANALYSIS DATA SHEET - Page 1

Transmitted 12/22/81 bjc

DEC 14 1981

Laboratory Name Mead CompuChem Case Number 725

Lab Sample ID NO. 9948 QC Report No. 49-11, 50-11, 51-11

Signature of Person Authorized to Release Data: R. J. Mc[illegible]

	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	ug/ml ug/g (circle one)
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
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	10U
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	10U
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

ORGANICS ANALYSIS DATA SHEET-Page 2

Sample Number
E0530

Laboratory Name Mead CompuChem

Case Number 725

Lab Sample ID NO. 9948

QC Report No. 49-11,50-11,51-11

	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 NDB, 6L	
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	1U
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	0.1U
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)

LIST OF COMMONLY USED FOOTNOTES FOR COMMERCIAL AND EPA

II Indistingushable isomers.

I Presence indicated by extracted ion current profile; definitive spectra not obtainable due to interference.

Q Quantiatated from secondary ion.

CI Concentration estimated; interferences present with primary quantitation ions.

D Sample analysis using a _____ dilution.

SE Sample extract could not be concentrated to 1.0 ml, thus the detection limits are higher than normal.

DL Detection limits are adjusted to show change in sample quantity processed. The surrogate recoveries are not available.

SR Surrogate recoveries are not available because it was necessary to dilute the extract, based on GC screening results.

SC Suspected laboratory contaminant.

LT Less than the specified detection limit but greater than one half of the detection limit (present but BDL).

EV Estimated value (previously j) in house note: This footnote may not be used for PP compounds.

H Volatile vial received with headspace.

SV Amount corrected for sample volume.

TN Acid & BN recoveries adjusted 10/9 for volume change. (medium level 026 only)

DC Compound calculated from a _____ dilution.

CR Compound calculated using total RIC area. All secondary ions saturated.

12/07/81

Lab Name: Mead CompuChem

Lab Sample I.D. No. 9948

SAMPLE NUMBER
E0530

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/g)	(Surrogates only) Spike Added (ug/g)	% Recovery
d-$_6$-Benzene	VOA	11.39	10	114
d-$_8$-Toluene	VOA	11.44	10	114
[1] Fluorophenol	A	4.62	50	9
[1] d-$_6$-Phenol	A	1.73	50	3
[1] Pentafluorophenol	A	1.86	50	4
d-$_5$-Nitrobenzene	BN	49.45	50	99
Fluorobiphenyl	BN	65.88	50	132
A & BN Surrogates recoveries				
adjusted by 10/9, volume				
change.				

ORGANICS ANALYSIS DATA SHEET - Page 4

Lab Name: Mead CompuChem Case No. 725

Lab Sample I.D. No. 9948

QC Report No: 49-11,50-11,51-11

Sample Number
E0530

B. TENTATIVELY IDENTIFIED COMPOUNDS

	CAS #	COMPOUND NAME	FRAC-TION	% Pur.	Est. Conc.
1	780-25-6	Benzenemethanamine, N-(Phenylmethylene)-	BN	54%	42 J
2			BN		
3			BN		
4			BN		
5			BN		
6			BN		
7			BN		
8			BN		
9			BN		
10			BN		
11	88-99-3	1,2-Benzenedicarboxylic acid	ACID	98%	26 J
12	55334-42-4	Dodecane, 1,2-Dibromo	ACID	52%	560 J
13	593-99-7	Heptacosane	ACID	37%	280 J
14	661-19-8	1-Docosanol	ACID	58%	40 J
15			ACID		
16			ACID		
17			ACID		
18			ACID		
19			ACID		
20			ACID		
21			VOA		
22			VOA		
23			VOA		
24			VOA		
25			VOA		
26			VOA		
27			VOA		
28			VOA		
29			VOA		
30			VOA		

QC OK MAK 12/21/81

12/21/81 cm

SUPERFUND 1401
82WT06S04

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

Sample Number
E0823

ORGANICS ANALYSIS DATA SHEET - Page 1

Transmitted 12/22/81 AF

DEC 14 1981

Laboratory Name Mead CompuChem

Case Number 725

Lab Sample ID NO. 9952

QC Report No. 44-22, 43-24, 45-24

Signature of Person Authorized to Release Data: R. D. Miller

	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	ug/ml ug/g (circle one)
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
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	10U
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	10U
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

ORGANICS ANALYSIS DATA SHEET-Page 2

Sample Number
E0823

Laboratory Name Mead CompuChem

Case Number 725

Lab Sample ID NO. 9952

QC Report No. 44-22,43-24,45-24

	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[illegible] 4T
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	1U
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	0.1U
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)

LIST OF COMMONLY USED FOOTNOTES FOR COMMERCIAL AND EPA

II Indistingushable isomers.

I Presence indicated by extracted ion current profile; definitive spectra not obtainable due to interference.

Q Quantiatated from secondary ion.

CI Concentration estimated; interferences present with primary quantitation ions.

D Sample analysis using a _____ dilution.

SE Sample extract could not be concentrated to 1.0 ml, thus the detection limits are higher than normal.

DL Detection limits are adjusted to show change in sample quantity processed. The surrogate recoveries are not available.

SR Surrogate recoveries are not available because it was necessary to dilute the extract, based on GC screening results.

SC Suspected laboratory contaminant.

LT Less than the specified detection limit but greater than one half of the detection limit (present but BDL).

EV Estimated value (previously j) in house note: This footnote may not be used for PP compounds.

H Volatile vial received with headspace.

SV Amount corrected for sample volume.

TN Acid & BN recoveries adjusted 10/9 for volume change. (medium level 026 only)

DC Compound calculated from a _____ dilution.

CR Compound calculated using total RIC area. All secondary ions saturated.

12/07/81

Lab Name: Mead CompuChem

Lab Sample I.D. No. 9952

SAMPLE NUMBER
C#725 - E0823

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/g)	(Surrogates only) Spike Added (ug/g)	% Recovery
d-$_6$-Benzene	VOA	10.75	10	108
d-$_8$-Toluene	VOA	10.74	10	107
Fluorophenol	A	3.05	50	6
d-$_6$-Phenol	A	1.11	50	2
Pentafluorophenol	A	0.66	50	1
d-$_5$-Nitrobenzene	BN	43.04	50	86
Fluorobiphenyl	BN	48.04	50	96
A & BN Surrogates recoveries				
adjusted by 10/9, volume				
change.				

ORGANICS ANALYSIS DATA SHEET - Page 4

Lab Name: Mead CompuChem Case No. 725

Lab Sample I.D. No. 9952

QC Report No: 44-22, 43-24, 45-24

Sample Number
E0823

B. TENTATIVELY IDENTIFIED COMPOUNDS

	CAS #	COMPOUND NAME	FRAC-TION	% Pur.	Est. Conc.
1			BN		
2			BN		
3			BN		
4			BN		
5			BN		
6			BN		
7			BN		
8			BN		
9			BN		
10			BN		
11	762-46-9	Hydroperoxide, 1-Methylhexyl	ACID	87%	25J SC
12			ACID		
13			ACID		
14			ACID		
15			ACID		
16			ACID		
17			ACID		
18			ACID		
19			ACID		
20			ACID		
21			VOA		
22			VOA		
23			VOA		
24			VOA		
25			VOA		
26			VOA		
27			VOA		
28			VOA		
29			VOA		
30			VOA		

QC OK MSK 12/2-1

SUPERFUND 144
82WT06S05

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

Sample Number
E0824

DEC 14 1981

ORGANICS ANALYSIS DATA SHEET - Page 1

Transmitted 12/22/81

Laboratory Name Mead CompuChem Case Number 725

Lab Sample ID NO. 9987 QC Report No. 49-11, 50-11, 51-11

Signature of Person Authorized to Release Data:

	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	ug/ml ug/g (circle one)
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
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	10U
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	10U
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

ORGANICS ANALYSIS DATA SHEET-Page 2

Sample Number
E0824

Laboratory Name Mead CompuChem

Case Number 725

Lab Sample ID NO. 9987

QC Report No. 49-11, 50-11, 51-11

	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	√ DB SC
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	1U
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	0.1U
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)

LIST OF COMMONLY USED FOOTNOTES FOR COMMERCIAL AND EPA

II Indistingushable isomers.

I Presence indicated by extracted ion current profile; definitive spectra not obtainable due to interference.

Q Quantiatated from secondary ion.

CS Concentration estimated; major quantitation ions saturated.

CI Concentration estimated; interferences present with primary quantitation ions.

D Sample analysis using a _____ dilution.

SE Sample extract could not be concentrated to 1.0 ml, thus the detection limits are higher than normal.

DL Detection limits are adjusted to show change in sample quantity processed. The surrogate recoveries are not available.

SR Surrogate recoveries are not available because it was necessary to dilute the extract, based on GC screening results.

SC Suspected laboratory contaminant.

LT Less than the specified detection limit but greater than one half of the detection limit (present but BDL).

EV Estimated value (previously j) in house note: This footnote may not be used for PP compounds.

H Volatile vial received with headspace.

SV Amount corrected for sample volume.

TN Acid & BN recoveries adjusted 10/9 for volume change. (medium level 026 only)

DC Compound calculated from a _____ dilution.

CR Compound calculated using total RIC area. All secondary ions saturated.

Lab Name: Mead CompuChem

Lab Sample I.D. No. 9987

SAMPLE NUMBER
EC824

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/g)	(Surrogates only) Spike Added (ug/g)	% Recovery
d-$_6$-Benzene	VOA	10.45	10	104
d-$_8$-Toluene	VOA	10.47	10	105
Fluorophenol	A	3.25	50	6
d-$_6$-Phenol	A	1.11	50	2
Pentafluorophenol	A	0.72	50	1
d-$_5$-Nitrobenzene	BN	24.42	50	49
Fluorobiphenyl	BN	25.94	50	52
A & BN Surrogates recoveries				
adjusted by 10/9, volume				
change.				

ORGANICS ANALYSIS DATA SHEET - Page 4

Lab Name: Mead CompuChem Case No. 725

Lab Sample I.D. No. 9987

QC Report No: 49-11, 50-11, 51-11

Sample Number
E0824

B. TENTATIVELY IDENTIFIED COMPOUNDS

	CAS #	COMPOUND NAME	FRACTION	% Pur.	Est. Conc. ug/g
1	780-25-6	Benzenemethanamine, N-(Phenylmethylene)	BN	54%	2 J
2			BN		
3			BN		
4			BN		
5			BN		
6			BN		
7			BN		
8			BN		
9			BN		
10			BN		
11	24254-56-6	Hydroperoxide, 1-Ethylbutyl	ACID	82%	58 J
12	762-46-9	Hydroperoxide, 1-methylhexyl	ACID	88%	47 J
13			ACID		
14			ACID		
15			ACID		
16			ACID		
17			ACID		
18			ACID		
19			ACID		
20			ACID		
21			VOA		
22			VOA		
23			VOA		
24			VOA		
25			VOA		
26			VOA		
27			VOA		
28			VOA		
29			VOA		
30			VOA		

12/21/81 CMP

QCOK MSC 12/21/81

SUPERFUND 1401 82WT06506

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

Sample Number E08825

ORGANICS ANALYSIS DATA SHEET - Page 1

Transmitted 12/22/81

DEC 14 1981

Laboratory Name Mead CompuChem SF-1401 Case Number 725

Lab Sample ID NO. 9953 QC Report No. 14-22, 43-24, 45-24

Signature of Person Authorized to Release Data: R. D. Wallick

	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	ug/ml ug/g (circle one)
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
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	10U
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	10U
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

ORGANICS ANALYSIS DATA SHEET-Page 2

Sample Number
E0825

Laboratory Name Mead CompuChem

Case Number 725

Lab Sample ID NO. 9953

QC Report No. 44-22,43-24,45-24

	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 4T
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	1U
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	0.1U
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

Lab Sample I.D. No. 9953

SAMPLE NUMBER

C#725-E0825

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/g)	(Surrogates only) Spike Added (ug/g)	% Recovery
d-$_6$-Benzene	VOA	10.56	10	106
d-$_8$-Toluene	VOA	10.59	10	106
Fluorophenol	A	3.09	50	6
d-$_6$-Phenol	A	0.74	50	1
Pentafluorophenol	A	0.55	50	1
d-$_5$-Nitrobenzene	BN	43.78	50	87
Fluorobiphenyl	BN	52.72	50	105
A & BN Surrogates recoveries				
adjusted by 10/9, volume				
change.				

Lab Name: Mead CompuChem Case No. 725

Lab Sample I.D. No. 9953

QC Report No: 44-22, 43-24, 45-24

Sample Number
E0825

B. TENTATIVELY IDENTIFIED COMPOUNDS

	CAS #	COMPOUND NAME	FRAC-TION	% Pur.	Est. Conc.
1	780-25-6	Benzenemethanamine, N-(phenylmethylene)-	BN	53%	24 J
2			BN		
3			BN		
4			BN		
5			BN		
6			BN		
7			BN		
8			BN		
9			BN		
10			BN		
11	762-46-9	Hydroperoxide, 1-methylhexyl-	ACID	88%	32 J SC
12			ACID		
13			ACID		
14			ACID		
15			ACID		
16			ACID		
17			ACID		
18			ACID		
19			ACID		
20			ACID		
21			VOA		
22			VOA		
23			VOA		
24			VOA		
25			VOA		
26			VOA		
27			VOA		
28			VOA		
29			VOA		
30			VOA		

LIST OF COMMONLY USED FOOTNOTES FOR COMMERCIAL AND EPA

II Indistingushable isomers.

I Presence indicated by extracted ion current profile; definitive spectra not obtainable due to interference.

Q Quantiatated from secondary ion.

CI Concentration estimated; interferences present with primary quantitation ions.

D Sample analysis using a _____ dilution.

SE Sample extract could not be concentrated to 1.0 ml, thus the detection limits are higher than normal.

DL Detection limits are adjusted to show change in sample quantity processed. The surrogate recoveries are not available.

SR Surrogate recoveries are not available because it was necessary to dilute the extract, based on GC screening results.

SC Suspected laboratory contaminant.

LT Less than the specified detection limit but greater than one half of the detection limit (present but BDL).

EV Estimated value (previously j) in house note: This footnote may not be used for PP compounds.

H Volatile vial received with headspace.

SV Amount corrected for sample volume.

TN Acid & BN recoveries adjusted 10/9 for volume change. (medium level 026 only)

DC Compound calculated from a _____ dilution.

CR Compound calculated using total RIC area. All secondary ions saturated.

12/07/81

QC OK MAK 12/21/81

SUPER FUND 1401
82WT06D01

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

Sample Number
E0808

DEC 14 1981

ORGANICS ANALYSIS DATA SHEET - Page 1

Transmitted 12/21/81 bc

Laboratory Name Mead CompuChem Case Number 725

Lab Sample ID NO. 9949 QC Report No. 49-11,50-11,51-11

Signature of Person Authorized to Release Data: R. W. Melick

	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	ug/ml ug/g (circle one)
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	10U
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	10U
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

ORGANICS ANALYSIS DATA SHEET-Page 2

Sample Number
E0808

Laboratory Name Mead CompuChem

Case Number 725

Lab Sample ID NO. 9949

QC Report No. 49-11, 50-11, 51-11

	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	ND 8,5C
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	1U
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	0.1U
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)

LIST OF COMMONLY USED FOOTNOTES FOR COMMERCIAL AND EPA

II Indistingushable isomers.

I Presence indicated by extracted ion current profile; definitive spectra not obtainable due to interference.

Q Quantiatated from secondary ion.

CI Concentration estimated; interferences present with primary quantitation ions.

D Sample analysis using a _____ dilution.

SE Sample extract could not be concentrated to 1.0 ml, thus the detection limits are higher than normal.

DL Detection limits are adjusted to show change in sample quantity processed. The surrogate recoveries are not available.

SR Surrogate recoveries are not available because it was necessary to dilute the extract, based on GC screening results.

SC Suspected laboratory contaminant.

LT Less than the specified detection limit but greater than one half of the detection limit (present but BDL).

EV Estimated value (previously j) in house note: This footnote may not be used for PP compounds.

H Volatile vial received with headspace.

SV Amount corrected for sample volume.

TN Acid & BN recoveries adjusted 10/9 for volume change. (medium level 026 only)

DC Compound calculated from a _____ dilution.

CR Compound calculated using total RIC area. All secondary ions saturated.

12/07/81

Lab Name: Mead CompuChem

Lab Sample I.D. No. 9949

SAMPLE NUMBER
E0808

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/g)	(Surrogates only) Spike Added (ug/g)	% Recovery
d-$_6$-Benzene	VOA	9.69	10	97
d-$_8$-Toluene	VOA	9.68	10	97
1 Fluorophenol	A	3.36	50	7
1 d-$_6$-Phenol	A	1.94	50	4
1 Pentafluorophenol	A	1.49	50	3
d-$_5$-Nitrobenzene	BN	41.06	50	82
Fluorobiphenyl	BN	52.71	50	105
A & BN Surrogates recoveries				
adjusted by 10/9, volume				
change.				

ORGANICS ANALYSIS DATA SHEET - Page 4

Lab Name: Mead CompuChem Case No. 725

Lab Sample I.D. No. 9949

QC Report No: 49-11, 50-11, 51-11

Sample Number
E0808

B. TENTATIVELY IDENTIFIED COMPOUNDS

	CAS #	COMPOUND NAME	FRACTION	% Pur.	Est. Conc.
1	780-25-0	Benzenemethanamine, N-(Phenylmethylene).	BN	55%	20 J
2			BN		
3			BN		
4			BN		
5			BN		
6			BN		
7			BN		
8			BN		
9			BN		
10			BN		
11	24254-52-6	Hydroperoxide, 1-Ethylbutyl	ACID	85%	42 J
12	762-46-9	Hydroperoxide, 1-Methylhexyl	ACID	88%	34 J
13			ACID		
14			ACID		
15			ACID		
16			ACID		
17			ACID		
18			ACID		
19			ACID		
20			ACID		
21			VOA		
22			VOA		
23			VOA		
24			VOA		
25			VOA		
26			VOA		
27			VOA		
28			VOA		
29			VOA		
30			VOA		

SC

QC ok 12/21/81 12/21/81

SUPERFUND 1441
82WT06P02

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

Sample Number
E0809

ORGANICS ANALYSIS DATA SHEET - Page 1

Transmitted 12/22/81 bjc

DEC 14 1981

Laboratory Name Mead CompuChem

Case Number 725

Lab Sample ID NO. 9954

QC Report No. 44-22, 43-24, 45-24

Signature of Person Authorized to Release Data: R. W. Miller

	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	ug/ml ug/g (circle one)
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
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	10U
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	10U
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

ORGANICS ANALYSIS DATA SHEET-Page 2

Sample Number
E0809

Laboratory Name Mead CompuChem

Case Number 725

Lab Sample ID NO. 9954

QC Report No. 44-22, 43-24, 45-24

	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 CT
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	1U
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	0.1U
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)

LIST OF COMMONLY USED FOOTNOTES FOR COMMERCIAL AND EPA

II Indistingushable isomers.

I Presence indicated by extracted ion current profile; definitive spectra not obtainable due to interference.

Q Quantiatated from secondary ion.

CI Concentration estimated; interferences present with primary quantitation ions.

D Sample analysis using a _____ dilution.

SE Sample extract could not be concentrated to 1.0 ml, thus the detection limits are higher than normal.

DL Detection limits are adjusted to show change in sample quantity processed. The surrogate recoveries are not available.

SR Surrogate recoveries are not available because it was necessary to dilute the extract, based on GC screening results.

SC Suspected laboratory contaminant.

LT Less than the specified detection limit but greater than one half of the detection limit (present but BDL).

EV Estimated value (previously j) in house note: This footnote may not be used for PP compounds.

H Volatile vial received with headspace.

SV Amount corrected for sample volume.

TN Acid & BN recoveries adjusted 10/9 for volume change. (medium level 026 only)

DC Compound calculated from a _____ dilution.

CR Compound calculated using total RIC area. All secondary ions saturated.

12/07/81

Lab Name: Mead CompuChem

Lab Sample I.D. No. 9954

SAMPLE NUMBER

C# 725-E0809

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/g)	(Surrogates only) Spike Added (ug/g)	% Recovery
d-$_6$-Benzene	VOA	11.43	10	114
d-$_8$-Toluene	VOA	11.498	10	115
Fluorophenol	A	2.58	50	5
d-$_6$-Phenol	A	1.04	50	2
Pentafluorophenol	A	0.51	50	1
d-$_5$-Nitrobenzene	BN	36.74	50	73
Fluorobiphenyl	BN	47.20	50	94
A & BN Surrogates recoveries				
adjusted by 10/9, volume				
change.				

ORGANICS ANALYSIS DATA SHEET - Page 4

Lab Name: Mead CompuChem Case No. 725

Lab Sample I.D. No. 9954

QC Report No: 44-22, 43-24, 45-24

Sample Number
E0809

B. TENTATIVELY IDENTIFIED COMPOUNDS

	CAS #	COMPOUND NAME	FRAC-TION	% Pur.	Est. Conc.	
1			BN			
2			BN			
3			BN			
4			BN			
5			BN			
6			BN			
7			BN			
8			BN			
9			BN			
10			BN			
11	24254-56-6	Hydroperoxide, 1-Ethylbutyl	ACID	83%	90 J	SC
12	762-46-9	Hydroperoxide, 1-Methylhexyl	ACID	87%	62 J	SC
13			ACID			
14			ACID			
15			ACID			
16			ACID			
17			ACID			
18			ACID			
19			ACID			
20			ACID			
21			VOA			
22			VOA			
23			VOA			
24			VOA			
25			VOA			
26			VOA			
27			VOA			
28			VOA			
29			VOA			
30			VOA			

MJK QC OK 12/21/81 12/21/81

SUPERFUND 1401
82WT06R01

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

Sample Number
E0810

DEC 14 1981

ORGANICS ANALYSIS DATA SHEET - Page 1

transmitted 12/22/81 725

Laboratory Name Mead CompuChem Case Number 725

Lab Sample ID NO. 9950 QC Report No. 49-11, 50-11, 51-11

Signature of Person Authorized to Release Data: R. W. Mellis

	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	ug/ml ug/g (circle one)
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
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	10U
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	10U
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

ORGANICS ANALYSIS DATA SHEET-Page 2

Sample Number
E0810

Laboratory Name Mead CompuChem

Case Number 725

Lab Sample ID NO. 9950

QC Report No. 49-11, 50-11, 51-11

	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 NDB	9U
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	1U
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	0.1U
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

Lab Sample I.D. No. 9950

SAMPLE NUMBER
E-0810

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/g)	(Surrogates only) Spike Added (ug/g)	% Recovery
d-6-Benzene	VOA	10.89	10	109
d-8-Toluene	VOA	10.91	10	109
1 Fluorophenol	A	3.83	50	8
1 d-6-Phenol	A	1.60	50	3
1 Pentafluorophenol	A	0.98	50	2
d-5-Nitrobenzene	BN	41.88	50	84
Fluorobiphenyl	BN	48.96	50	98
A & BN Surrogates recoveries				
adjusted by 10/9, volume				
change.				

ORGANICS ANALYSIS DATA SHEET - Page 4

Lab Name: Mead CompuChem Case No. 725

Lab Sample I.D. No. 9950

QC Report No: 49-11, 50-11, 51-11

Sample Number
E0810

B. TENTATIVELY IDENTIFIED COMPOUNDS

	CAS #	COMPOUND NAME	FRAC-TION	% Pur.	Est. Conc.	
1			BN			
2			BN			
3			BN			
4			BN			
5			BN			
6			BN			
7			BN			
8			BN			
9			BN			
10			BN			
11	24254-56-6	Hydroperoxide, 1-Ethylbutyl	ACID	86%	30 J	SC
12	762-46-9	Hydroperoxide, 1-Methylbutyl	ACID	88%	23 J	SC
13			ACID			
14			ACID			
15			ACID			
16			ACID			
17			ACID			
18			ACID			
19			ACID			
20			ACID			
21			VOA			
22			VOA			
23			VOA			
24			VOA			
25			VOA			
26			VOA			
27			VOA			
28			VOA			
29			VOA			
30			VOA			