REFERENCE 15

SITE NAME Chem. Rec. Syst.

SITE ID OHD 057001810

145811 11/19/81 CAB

INORGANICS QUALITY ASSURANCE

RMA Q.C. REPORT # 19 (2 OF 2) WATERS

OCT 20 1981

MARK HUTSON
CHEMICAL RECOVERY
F65-8104-05

Q. C. Report Key:

Cases(s): 634, 643, 628

Sample #:			
ME 8340	~~ME~~ 82MR01524		
ME 8341	82MR01527		
ME 8342	82MR01521		
ME 8343	82MR01527		

Contract Required Detection Limits

Task 1:

(mg/l)		(mg/kg)
0.010	Ag	1
0.200	Al	20
0.100	B **	10
0.100	Ba	10
0.005	Be	0.5
0.010	Cr	1
0.050	Co	5
0.050	Cu	5
0.050	Fe	5
0.010	Mn	1
0.040	Ni	4
0.200	V	20
0.010	Zn	1

* x10 EXCEPT BORON WHICH WAS NOT RUN.

Task 2:

(mg/l)		(mg/kg)
0.010	As	1
0.001	Cd	0.1
0.0002	Hg	0.02
0.005	Pb	0.5
0.020	Sb	2
0.002	Se	0.2
0.020	Sn	2
0.010	Tl	1

* x10

Task 3:

(mg/l)		(mg/kg)
0.1	NH_3	10
0.01	CN^{-1}	1
0.05	S^{-2}	5

Footnotes:

(1) Detection limit raised due to sample matrix interference.
** (2) Sample interference precluded analysis.
* (3) Detection limit raised due to small volume of sample, necessitating dilution prior to analysis.

11/17/81 OCT 20 1981
11/19/81 CAB

U. S. ENVIRONMENTAL PROTECTION AGENCY - HWI Sample Management Office

114 North Columbus Street - Alexandria, Virginia 22314

Chemical Recovery 10/21/81

Laboratory Name ~~Rocky Mountain Analytical Lab~~ MARKHUTSON Case No. 628 WATERS QC Report No. 19

4 Mo 1981 UVM

TASK 1. Units mg/l or mg/kg (circle one) F05-8104-05

10-22-81 AS MAIC 11/9/81

EPA Sample No.	RMA Sample No.	Ag	Al	B	Ba	Be	Cr	Co	Cu	Fe	Mn	Ni	V	Zn				
ME 8340	1383-01	N D	110		1.1	N D	2.5	N D	1.7	210	7.4	1.0	N D	8.6	W1			
ME 8341	1383-02	N D	86	N	1.1	N D	0.79	N D	0.67	230	14	0.82	N D	5.1	W2			
ME 8342	1383-03	N D	4.2	A	N D	N D	0.49	N D	N D	8.4	13	N D	N D	13	W3			
ME 8343	1383-04	N D	3.1		N D	N D	0.30	N D	N D	4.7	4.0	N D	N D	4.2	"			

TASK 2. Units mg/l or mg/kg (circle one)

EPA Sample No.	RMA Sample No.	As	Cd	Hg	Pb	Sb	Se	Sn	Tl
ME 8340	1383-01	0.31	0.82	N D	2.5	N D	N D	N D	N D
ME 8341	1383-02	0.14	N D	N D	1.1	N D	N D	N D	N D
ME 8342	1383-03	N D	N D	N D	0.58	N D	N D	N D	N D
ME 8343	1383-04	N D	N D	N D	0.60	N D	N D	N D	N D

TASK 3. Units mg/l or mg/kg (circle one)

CN	NH_3	S
	N	
	A	

CHEMICAL RECOVERY
MARK HUTSON

11/19/81

U.S. ENVIRONMENTAL PROTECTION AGENCY-HWI Sample Management Office FOS-8104-OS 11/20/81 CAB
P.O. Box 818, Alexandria, VA 22313 - 703/683-0885

Sample Number E0762

ORGANICS ANALYSIS DATA SHEET - Page 1

82MR01510
S.T. 513

Transmitted 11/19/81

Laboratory Name Mead CompuChem Case Number C# 628

Lab Sample ID NO. 8051 QC Report No. 49-2, 50-2, 51-2

Signature of Person Authorized to Release Data: J. Russell

ug/ml ug/g (circle one)

	ACID COMPOUNDS	
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

ug/ml ug/g (circle one)

	BASE/NEUTRAL COMPOUNDS	
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
E0762

Laboratory Name Mead CompuChem

Case Number C#628

Lab Sample ID NO. 8051

QC Report No. 49-2,50-2,51-2

	VOLATILES	ug/ml or ug/g (Circle One)
107-02-8	acrolein	10U
107-13-1	acrylonitrile	10U
71-43-2	benzene	1.0
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	1.9
156-60-5	1,2-trans-dichloroethene	1.0
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	3.8
79-01-6	trichloroethylene	1U
75-01-4	vinyl chloride	1.0

	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)

ORGANICS ANALYSIS DATA SHEET - Page 4

Lab Name: Mead CompuChem Case No. 628

Lab Sample I.D. No. 8051

QC Report No: 49-2,50-2,51-2

Sample Number
E0762

B. TENTATIVELY IDENTIFIED COMPOUNDS

	CAS #	COMPOUND NAME	FRACTION	% Pur.	Est. Conc.
1			BN		
2			BN		
3			BN		
4			BN		
5			BN		
6			BN		
7			BN		
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	67-64-1	2-Propanone	VOA	96%	3.2 J ug/ml
22	78-93-3	2-Butanone	VOA	96%	3.0 J
23	101-10-1	2-Pentanone, 4-Methyl	VOA	95%	4.0 J
24			VOA		
25			VOA		
26			VOA		
27			VOA		
28			VOA		
29			VOA		
30			VOA		

Lab Name: Mead CompuChem Case No: 628

Lab Sample I.D. No. 8051

QC Report No: 49-2, 50-2, 51-2

Sample Number
E0762

A. SURROGATE SPIKE RESULTS

COMPOUND	Fraction	Conc (ug/ml)	(Surrogates only) Spike Added (ug/ml)	% Recovery
$d-_6$-Benzene	VOA	10.3	10	106
$d-_8$-Toluene	VOA	10.7	10	114
Fluorophenol	A	2	50	4
$d-_6$-Phenol	A	1	50	2
Pentafluorophenol	A	6	50	12
$d-_5$-Nitrobenzene	BN	30	50	60
Fluorobiphenyl	BN	29	50	58

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.

P.O. Box 618, Alexandria, VA 22313 - 703/683-0885 MARK HUTSON

Sample Number E0763

ORGANICS ANALYSIS DATA SHEET - Page 1

CHEMICAL RECOVERY 82MR01511 11/20/81 CMB

SF. 513

Laboratory Name Mead CompuChem FOS-8104-05 Case Number C#628

Lab Sample ID NO. 8052 QC Report No. 49-2,50-2,51-2

Signature of Person Authorized to Release Data: J.W. Russell Transmitted 11/19/81

ug/ml ug/g (circle one)

	ACID COMPOUNDS	
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	
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
E0763

Laboratory Name Mead CompuChem

Case Number 628

Lab Sample ID NO. 8052

QC Report No. 49-2,50-2,51-2

	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)

Lab Name: Mead CompuChem Case No: 628

Lab Sample I.D. No. 8052

QC Report No: 49-2, 50-2, 51-2

Sample Number
E0763

A. SURROGATE SPIKE RESULTS

COMPOUND	Fraction	Conc (ug/ml)	(Surrogates only) Spike Added (ug/ml)	% Recovery
$d-_6$-Benzene	VOA	10.8	10	108
$d-_8$-Toluene	VOA	11.4	10	114
Fluorophenol	A	3	50	6
$d-_6$-Phenol	A	2	50	4
Pentafluorophenol	A	5	50	10
$d-_5$-Nitrobenzene	BN	32	50	64
Fluorobiphenyl	BN	31	50	62

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.

ORGANICS ANALYSIS DATA SHEET - Page 4

Lab Name: Mead CompuChem Case No. 628

Lab Sample I.D. No. 8052

QC Report No: 49-2, 50-2, 51-2

Sample Number
E0763

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	103-24-2	Nonanedioic acid, Bis (2-Ethylhexyl) Ester	ACID	69%	100 J
12	27554-26-3	1,2-Benzenedicarboxylic acid, Diisooctyl-	ACID		
13		ester	ACID	80%	66 J
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		

Pourmotel

ORGANICS ANALYSIS DATA SHEET-Page 2

Sample No. EO-763

Laboratory Name Mead CompuChem

Case Number 628

Lab Sample ID NO. 8079 SPIKE

QC Report No. 49-2

	VOLATILES	ug/ml or ug/g (Circle One)
107-02-8	acrolein	10U
107-13-1	acrylonitrile	10U
71-43-2	benzene	3.0
56-23-5	carbon tetrachloride	1U
108-90-7	chlorobenzene	3.6
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	1U
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	4.0
79-01-6	trichloroethylene	1U
75-01-4	vinyl chloride	1U

Lab Name: Mead CompuChem Case No: 628

Lab Sample I.D. No. 8079 SPIKE

QC Report No: 49-2

Sample Number
E0763

A. SURROGATE SPIKE RESULTS

COMPOUND	Fraction	Conc (ug/l)	(Surrogates only) Spike Added (ug/l)	% Recovery
d_6-Benzene	VOA	10.1	10.0 ug/ml	101
d_8-Toluene	VOA	11.8	10.0 ug/ml	118

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.

Lab Name: Mead CompuChem Case No. 628

Lab Sample I.D. No. 8079 SPIKE

QC Report No: 49-2

Sample Number
E0763

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			ACID		
12			ACID		
13			ACID		
14			ACID		
15			ACID		
16			ACID		
17			ACID		
18			ACID		
19			ACID		
20			ACID		
21		NONE	VOA		
22			VOA		
23			VOA		
24			VOA		
25			VOA		
26			VOA		
27			VOA		
28			VOA		
29			VOA		
30			VOA		

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ORGANICS ANALYSIS DATA SHEET-Page 2

Sample Number
E0761

Laboratory Name Mead CompuChem

Case Number 628

Lab Sample ID NO. 8050

QC Report No. 49-2, 50-2, 51-2

	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	4.7 I
75-34-3	1,1-dichloroethane	1
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	2.4
78-87-5	1,2-dichloropropane	1U
10061-0X-XX	1,3-dichloropropiene	1U
100-41-4	ethylbenzene	17 A
75-09-2	methylene chloride	56 A,C
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	1.1
108-88-3	toluene	1100 A
79-01-6	trichloroethylene	4.9
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)

A. quantitated from secondary ion

I. EICP used for confirmation of hit.

OCT 30 1981

ORGANICS ANALYSIS DATA SHEET - Page 4

Lab Name: Mead CompuChem Case No. 628

Lab Sample I.D. No. 8050

QC Report No: 49-2,50-2,51-2

Sample Number
EO761

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			ACID		
12			ACID		
13			ACID		
14			ACID		
15			ACID		
16			ACID		
17			ACID		
18			ACID		
19			ACID		
20			ACID		
21	75-56-9	Oxirane, Methyl (probably 2-propanone) AFH	VOA	89%	38 J
22	67-63-0	2-Propanol	VOA	85%	2.1 J
23	109-99-9	Furan, Tetrahydro	VOA	93%	6.5 J
24	105-31-7	1-Hexyn-3-OL	VOA	76%	139 J
25	78-92-2	2-Butanol	VOA	89%	7.7 J
26	108-10-1	2-Pentanone, 4-Methyl	VOA	96%	49 J
27	98-82-8	Benzene, (1-Methylethyl)	VOA	66%	1.29 J
28	108-38-3	Benzene, 1,3-Dimethyl	VOA	92%	61 J
29	108-38-3	Benzene, 1,3-Dimethyl	VOA	43%	45 J
30			VOA		

ORGANICS ANALYSIS DATA SHEET - Page 3

OCT 30 1981

Lab Name: Mead CompuChem Case No: 625

Lab Sample I.D. No. 9:50

QC Report No: 49-2, 50-2, 51-2

Sample Number

E0761

A. SURROGATE SPIKE RESULTS

COMPOUND	Fraction	Conc (ug/g)	(Surrogates only) Spike Added (ug/g)	% Recovery
$d-_6$-Benzene	VOA	11	10	110
$d-_8$-Toluene	VOA	12	10	120
Fluorophenol	A	3	50	6
$d-_6$-Phenol	A	2	50	4
Pentafluorophenol	A	7	50	14
$d-_5$-Nitrobenzene	BN	33	50	66
Fluorobiphenyl	BN	32	50	64

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.

4/27/82 CM Tm 4/27/82 CM Rec'd 4-27-82

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

Sample Number
E0761

OCT 30 1991

ORGANICS ANALYSIS DATA SHEET - Page 1

CHEMICAL RECOVERY
F6-8105-5

Laboratory Name Mead CompuChem Case Number C# 628

Lab Sample ID NO. 8050 QC Report No. 49-2, 50-2, 51-2

Signature of Person Authorized to Release Data: J W Russell

ug/ml ug/g (circle one)

	ACID COMPOUNDS	
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	
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

Lab Name: Mead CompuChem Case No: 628

Lab Sample I.D. No. 8083 SPIKE

QC Report No: 50-2

Sample Number
E0764

A. SURROGATE SPIKE RESULTS

COMPOUND	Fraction	Conc (ug/l)	(Surrogates only) Spike Added (ug/l)	% Recovery
2-Fluorophenol	Acid	2 N	50.0 ug/ml	4
d_6-Phenol	Acid	1 N	50.0 ug/ml	2
Pentafluorophenol	Acid	2 N	50.0 ug/ml	4
d_5-Nitrobenzene	B/N	32	50.0 ug/ml	64
2-Fluorophenol	B/N	30	50.0 ug/ml	60

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.

OCT 30 1981

QUALITY CONTROL NOTICE

Low surrogate recoveries of more than one surrogate in a fraction have triggered the following actions:

- a check of the extraction worksheet to determine that the appropriate amount was added:
- a check of recoveries in other samples in the same set.

A repeat analysis is conducted if those checks do not account for low recoveries.

In the medium level acid fractions, surrogates typically have low recoveries. This can be documented from a number of duplicates and repeat analyses conducted on several EPA samples. This low recovery is likely due to the method's solvent system, 15% methylene chloride in hexanes. Independent experiments with similar samples and matrices demonstrate improved acid surrogate recoveries with 100% methylene chloride used for extraction.

Paul Mills

Paul Mills
Quality Assurance Manager

ORGANICS ANALYSIS DATA SHEET-Page 2

Sample Number
E0 764

Laboratory Name Mead CompuChem

Case Number 628

Lab Sample ID NO. 8053

QC Report No. 49-2, 50-2, 51-2

	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	NOB
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)

1/19/81 yf

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

Sample Number
E0764

ORGANICS ANALYSIS DATA SHEET - Page 1

Laboratory Name Mead CompuChem

Case Number 628

Lab Sample ID NO. 8083 SPIKE

QC Report No. 50-2

Signature of Person Authorized to Release Data: K. Hewell

	ACID COMPOUNDS	ug/m ug/g (circle one)
88-06-2	2,4,6-trichlorophenol	10U
59-50-7	p-chloro-m-cresol	20K
95-57-8	2-chlorophenol	15
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	33
108-95-2	phenol	10U

	BASE/NEUTRAL COMPOUNDS	
83-32-9	acenaphthene	32
92-87-5	benzidine	25U
120-82-1	1,2,4-trichlorobenzene	20
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	18
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	27
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/m 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	130
117-81-7	bis(2-ethylhexyl)phthalate	10U
85-68-7	butyl benzyl phthalate	10U
84-74-2	di-n-butyl phthalate	32
117-84-0	di-n-octyl phthalate	40
84-66-2	diethyl phthalate	10U
131-11-3	dimethyl phthalate	10U
56-55-3	benzo(a)anthracene	25
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	25
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	34

11/19/81 vg

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

MARK HUTSON

Sample Number E0764

11/20/81 CB

ORGANICS ANALYSIS DATA SHEET - Page 1

CHEMICAL RECOVERY
FOS-8104-05

82MR01512

Laboratory Name Mead CompuChem

Case Number CH628 5.7 513

Lab Sample ID NO. 8053

QC Report No. 49-2, 50-2, 51-2 TRANSMITTED 11/19/81 [illegible]

Signature of Person Authorized to Release Data: J W Russell

	ACID COMPOUNDS	(circle one) ug/ml ug/g
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	(circle one) ug/ml ug/g
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

Lab Name: Mead CompuChem Case No: 628

Lab Sample I.D. No. 8053

QC Report No: 49-2, 50-2, 51-2

Sample Number
E0764

A. SURROGATE SPIKE RESULTS

COMPOUND	Fraction	Conc (ug/g)	(Surrogates only) Spike Added (ug/g)	% Recovery
d-$_6$-Benzene	VOA	10.3	10	103
d-$_8$-Toluene	VOA	10.9	10	109
Fluorophenol	A	3	50	6
d-$_6$-Phenol	A	1	50	2
Pentafluorophenol	A	2	50	4
d-$_5$-Nitrobenzene	BN	37	50	74
Fluorobiphenyl	BN	32	50	64

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.

ORGANICS ANALYSIS DATA SHEET - Page 4

Lab Name: Mead CompuChem Case No. 628

Lab Sample I.D. No. 8083 SPIKE

QC Report No: 50-2

Sample Number
E0764

B. TENTATIVELY IDENTIFIED COMPOUNDS

	CAS #	COMPOUND NAME	FRAC-TION	% Pur.	Est. Conc.
1		NONE	BN		
2			BN		
3			BN		
4			BN		
5			BN		
6			BN		
7			BN		
8			BN		
9			BN		
10			BN		
11		NONE	ACID		
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		

OCT 30 1981

QUALITY CONTROL NOTICE

The following data reporting qualifiers may be used in this report:

NDB = The concentration of a priority pollutant in the blank is greater than ½ the detection limit and is greater than ½ the concentration in the sample.

P = Suspected laboratory contaminant

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

C = The concentration in the blank is greater than ½ of the method detection limit and is less than or equal to ½ the concentration detected in a sample; the concentration in the blank is subtracted from the sample.

Paul Nick

Director, Quality Assurance

OCT 30 1981

QUALITY CONTROL NOTICE

Internal standard area control charts have been included in this report as required by the contract. Areas outside the stated control limits have triggered an examination of internal standard area ratios (as reported on the Internal Standard Response Verification data sheet), the comparison of raw areas in the affected sample to the corresponding standard, and the comparison of the response factors obtained for the corresponding standard to the initial multipoint calibration data. Corrective action is necessary only if one or more of those checks are outside the established control limits. If no corrective action is noted on the internal standard area control chart, all other factors were within limits and action was not required.

Patty L. Ragsdale
Quality Control Manager