Site: A.L. Taylor
Break: 22
Other:

Project Valley of the Drums, Louisville, KY — Chemist E. W. Loy, Jr. — Rec'd. 2-16-79 — Compl'd. 3-16-79

Extractable Organic Analyses

SAD No.	79C0357			
Source & Stn.	Water - WC-001 Confluence, Wilson Creek			
Date/Time	2-13-79 1345			
COMPOUND (UG/L) (Estimated)				
Xylene	6.3			
Hexanone 1/	4.7			
Butoxy Propanol 1/	11			
Heptanone 1/	62			
Cyclohexanone 1/	5.1			
Dibutoxy Methanol 1/	3.8			
C_3 Alkyl Benzene 1/	3.8			
C_4 Alkyl Benzene (2 isomers) 1/	9.6			
Methoxymethylethoxy Propanol 1/	4.9			
Dimethyl Benzene Methanol 1/	7.0			
Methyl (propenyloxy)Ethoxy Propanol 1/	50			
Dibutoxy Propanol 1/	8.9			
Dihydroindenone 1/	1.9			
Tetraoxadodecane 1/	7.0			
Diethyl Phthalate 2/	18			
Pentaoxapentadecane 1/	19			
Bis(2-ethylhexyl) Phthalate 2/	T<1			
Phenol 2/	T<1			
Dimethyl Phenol	T<1			
Ethyl Hexanoic Acid 1/	35			
Methyl Ester of Ethyl Hexanoic Acid 1/	32			
Dimethyl Propanol 1/	23			
Methyl Benzoic Acid 1/	14			
C_3 Alkyl Benzoic Acid 1/	12			
C_4 Alkyl Benzoic Acid 1/	8.7			
21 Unidentified Compounds in the 1-10 ug/l range				
6 Unidentified Compounds in the 10-100 ug/l range				

MDL - Minimum Detection Limit

ND - None Detected.

T - Trace

1/ - Tentative Identification.

2/ - On NRDC List of Priority Pollutants.

10951668

U.S. EPA REGION IV

SDMS

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** PLEASE CONTACT THE APPROPRIATE RECORDS CENTER TO VIEW THE MATERIAL**

V. 2-040506

Project Valley of the D Louisville, KY Chemist E. W. Loy, Jr. Rec'd. -16-79 Comp'd. 3-16-79

Extractable Organic Analyses

SAD No.	79C0361			
Source & Stn.	Water - WC-004 190 Yds Downstream from WC-003			
Date/Time	2-13-79, 1515			
COMPOUND (UG/L) (Estimated)				
Xylene (2 Isomers)	13			
Heptanol 1/	11			
Heptanone 1/	35			
Dibutoxy Methanol 1/	1.0			
C_3 Alkyl Benzene 1/	1.0			
C_4 Alkyl Benzene 1/	1.8			
α,α-Dimethyl Benzene Methanol 1/	6.3			
Methyl (Propenyloxy) Ethoxy Propanol 1/	17			
Naphthalene 2/	T<1.0			
Dibutoxy Propanol 1/	2.3			
Tetraoxadodecane 1/	1.8			
Diethyl Phthalate 1/	4.0			
Pentaoxapentadecane 1/	5.1			
Methyl Pentanoic Acid 1/	6.1			
Ethyl Hexanoic Acid 1/	25			
Methyl Ester of Ethyl Hexanoic Acid 1/	13			
Dimethyl Propanol 1/	6.2			
Phenol 2/	T<1			
18 Unidentified Compounds in the 1-10 ug/l range.				

MDL - Minimum Detection Limit

ND - None Detected.

T - Trace

1/ - Tentative Identification.

2/ - On NRDC List of Priority Pollutants.

Project Valley of the D Louisville, KY Chemist E. W. Loy, Jr. Rec'd. 2-16-79 Compl'd. 3-16-79

Extractable Organic Analyses

SAD No.	79C0362			
Source & Stn.	Water-WC-003, 180 Yds. Downstream from WC-002			
Date/Time	2-13-79, 1445			
COMPOUND (UG/L) (Estimated)				
Xylene (2 Isomers)	22			
Heptanol 1/	15			
Butoxy Propanol 1/	12			
Heptanone 1/	48			
Dibutoxy Methanol 1/	3.3			
C_4 Alkyl Benzene (3 Isomers) 1/	9.2			
α,α Dimethyl Benzene Methanol 1/	8.4			
C_2 Alkyl Styrene	T<1.0			
Methyl (Propenyloxy) Ethoxy Propanol 1/	22			
Naphthalene 2/	T<1.0			
Dibutoxy Propanol 1/	2.2			
Tetraoxadodecane 1/	2.2			
Diethyl Phthalate 1/	11			
Pentaoxapentadecane 1/	6.2			
Methyl Pentanoic Acid 1/	1-15			
Ethyl Hexanoic Acid 1/	33			
Methyl Ester of Ethyl Hexanoic Acid 1/	16			
Dimethyl Propanol 1/	1-15			
Benzoic Acid 1/	1-15			
Methyl Benzoic Acid (2 Isomers) 1/	1-15			
C_4 Alkyl Benzoic Acid 1/	1-15			
Phenol 2/	T<1			
15 Unidentified Compounds in the 1-10-ug/1 range				
2 Unidentified Compounds in the 10-100-ug/1 range				

MDL - Minimum Detection Limit

ND - None Detected.

T - Trace

1/ - Tentative Identification.

2/ - On NRDC List of Priority Pollutants.

Project Valley of the Dr. Louisville, KY Chemist E. W. Loy, Jr. Rec'd. 7-27-79 Comp'd. 3-16-79

Extractable Organic Analyses

SAD No.	79C0418			
Source & Stn.	Water - AT-1			
Date/Time	2-22-79, 1600			
COMPOUND (UG/L)				
Trimethyl Pentanediol 1/	6.7			
Trimethylhexene 1/	4.8			
Diethyl Phthalate 2/	9.4			
Methyl Propoxy Propanol 1/	5.7			
Hydroxy Propoxy Propanol 1/	3.2			
Di-n-butyl Phthalate 2/	39			
Bis(2-ethylhexyl) Phthalate 2/	13			
1 Unidentified Compound in the 100-ug/l Range				

NDL - Minimum Detection Limit

ND - None Detected.

T - Trace

1/ - Tentative Identification.

2/ - On NRDC List of Priority Pollutants.

Project Valley of the [illegible] Louisville, KY Chemist E. W. Loy, Jr. Rec'd. [illegible]-27-79 Compl'd. 3-16-79

Extractable Organic Analyses

SAD No.	79C0421			
Source & Stn.	Water - AT-2			
Date/Time	2-22-79, 1615			
COMPOUND (UG/L) (Estimated)				
Methyl Heptenone 1/	4.5			
Tetraoxadodecane 1/	220			
Diethyl Phthalate 2/	17			
Pentaoxapentadecane(2 isomers) 1/	320			
Bis(2-ethylhexyl) Phthalate 2/	45			
Dibutyl Phthalate 2/	7.5			
Methyl Benzene Sulfonamide 1/	3.9			
7 Unidentified Compounds	1-10			
6 Unidentified Compounds	10-100			
1 Unidentified Compound	100-500			

MDL - Minimum Detection Limit

ND - None Detected.

T - Trace

1/ - Tentative Identification.

2/ - On NRDC List of Priority Pollutants.

Project Valley of the Drums Louisville, KY Chemist E. W. Loy, Jr. Rec'd. 2-27-79 Compl'd. 3-16-79

Extractable Organic Analyses

SAD No.	79C0422			
Source & Stn.	Water AT-3			
Date/Time	2-22-79, 1625			
COMPOUND (UG/L) (Estimated)				
Xylene	260			
Dibutyl Ether 1/	5.6			
C_3 Alkyl Benzene (3 isomers) 1/	64			
Hydroxy Methyl Pentanone 1/	24			
Methyl Styrene (2 isomers) 1/	48			
Dibutoxy Methanol (3 isomers) 1/	65			
C_4 Alkyl Benzene (4 Isomers) 1/	22			
Trimethyl Cyclohexanone 1/	32			
C_2 Alkyl Styrene (2 isomers) 1/	4.7			
C_5 Alkyl Benzene 1/	1.4			
Methyl (Propenyloxy) Ethoxy Propanol 1/	24			
C_3 Alkyl Phenol 1/	11			
Naphthalene 2/	1.9			
Isophorone 2/	49			
C_3 Alkyl Styrene (2 isomers) 1/	2.5			
Tetraoxadodecane 1/	6.6			
Diethyl Phthalate 2/	42			
Propoxy Butane 1/	3.8			
Methyl Propyl Ester of Benzoic Acid 1/	7.5			
Pentaoxapentadecane (2 isomers) 1/	27			
Dibutyl Phthalate 2/	5.6			
Bis (2-ethylhexyl) Phthalate 2/	3.8			
α,α-Dimethyl Benzene Methanol 1/	5.6			
Methyl Phenol	1-10			
C_2 Alkyl Phenol (3 isomers)	96			
Methyl Benzoic Acid (2 isomers) 1/	10-100			
C_2 Alkyl Benzoic Acid (2 isoms.) 1/	10-100			
Hydroxy Methoxy Benzaldehyde 1/	1-10			
18 Unidentified Compounds	1-10			
11 Unidentified Compounds	10-100			

MDL - Minimum Detection Limit

ND - None Detected.

T - Trace

1/ - Tentative Identification.

2/ - On NRDC List of Priority Pollutants.

Project Valley of the Drums Louisville, KY Chemist E. W. Loy, Jr. Rec'd. 2-27-79 Comp'd. 3-16-79

Extractable Organic Analyses

SAD No.	79C0425			
Source & Stn.	Water - AT-4			
Date/Time	2-22-79, 1635			
COMPOUND (UG/L) (Estimated)				
Xylene (2 Isomers)	120			
Naphthalene 2/	T<1			
Butoxy Propanol 1/	35			
Hexenol 1/	28			
Hydroxy Methyl Pentanone 1/	170			
C_3 Alkyl Benzene (2 Isomers) 1/	21			
Tetra Methyl Pentanone 1/	6.2			
Dibutoxy Methanol (3 Isomers) 1/	150			
α,α-Dimethyl Benzene Methanol 1/	27			
C_4 Alkyl Benzene 1/	11			
C_2 Alkyl Styrene 1/	6.2			
Methyl (Propenyloxy) Ethoxy Propanol 1/	110			
Isophorone 2/	20			
Butoxy Ethoxy Ethanol 1/	12			
Quinoline	4.9			
Acenaphthene 2/	11			
Dimethyl Phthalate 2/	8.7			
Tetraoxadodecane 1/	20			
Diethyl Phthalate 2/	4.9			
Dibutyl Phthalate 2/	10			
Fluoranthene 2/	4.9			
Bis(2-ethylhexyl) Phthalate 2/	4.9			
Methyl Phenol	1-10			
Dimethyl Phenol (2 Isomers)	1-10			
Ethyl Hexanoic Acid 1/	42			
Dimethyl Propanol 1/	10-100			
Phthalic Acid 1/	1-10			
Methyl Benzoic Acid (2 Isomers) 1/	10-100			
C_2 Alkyl Benzoic Acid 1/	1-10			
C_3 Alkyl Benzoic Acid 1/	1-10			
C_4 Alkyl Benzoic Acid 1/	1-10			
Phenol 2/	T<1			
16 Unidentified Compounds	1-10			
11 Unidentified Compounds	10-100			
3 Unidentified Compounds	100-500			

MDL - Minimum Detection Limit

ND - None Detected.

T - Trace

1/ - Tentative Identification.

2/ - On NRDC List of Priority Pollutants.

Project Valley of the Drums Louisville, KY Chemist E. W. Loy, Jr. Rec'd 2-27-79 Compl'd. 3-16-79

Extractable Organic Analyses

SAD No.	79C0426			
Source & Stn.	Water - AT-5			
Date/Time	2-22-79, 1650			
COMPOUND (UG/L) (Estimated)				
Xylene (2 Isomers)	470			
Naphthalene 2/	4.5			
Heptanol (2 Isomers) 1/	14			
Hexenol 1/	9.6			
Hydroxy Methyl Pentanone 1/	220			
Heptanone 1/	220			
C_3 Alkyl Benzene 1/	7.2			
Cyclohexanone 1/	2.4			
C_4 Alkyl Benzene (4 Isomers) 1/	26			
Indene 1/	2.4			
Methyl (Methylethenyl) Cyclo-hexanol 1/	62			
α-Terpineol	400			
Terpinene-4-ol	113			
Camphor	230			
Isophorone 2/	19			
Quinoline	9.6			
Methyl Naphthalene (2 Isomers)	9.6			
Acenaphthene 2/	12			
Dibenzofuran	4.8			
Dimethyl Phthalate 2/	9.6			
Tetraoxadodecane 1/	7.2			
Beta-naphthonitrile 1/	4.8			
Fluorene 2/	7.2			
Diethyl Phthalate 2/	29			
Tributyl Ester of Phosphoric Acid 1/	7.2			
Methyl Propyl Ester of Benzoic Acid (2 Isomers) 1/	17			
Phenanthrene/Anthracene 2/	5.7			
Butyl Methyl Benzene Sulfonamide 1/	17			
Dibutyl Phthalate 2/	9.6			
Fluoranthene 2/	7.2			
Pyrene 2/	7.2			
Bis(2-ethylhexyl) Phthalate 2/	36			
Dibutoxy Methanol 1/	86			
Methyl Octanone 1/	7.2			

MDL - Minimum Detection Limit

ND - None Detected.

T - Trace

1/ - Tentative Identification.

2/ - On NRDC List of Priority Pollutants.

Project _____ Chemist E. W. Loy, Jr. Date _____ Compiled 3-16-79

Extractable Organic Analyses

SAD No.	79C0426 (Continued - P. 2)			
Source & Stn.	Water - AT-5			
Date/Time	2-22-79, 1650			
COMPOUND (UG/L) (Estimated)				
Phenol 2/	T<1			
Methyl Phenol	1-25			
Ethyl Hexanoic Acid 1/	10-100			
C_2 Alkyl Phenol (2 Isomers) 1/	1-25			
Methyl Ester of Ethyl Hexanoic Acid 1/	1-25			
C_4 Alkyl Phenol 1/	1-25			
Phthalic Acid 1/	1-25			
Benzoic Acid 1/	1-25			
Methyl Benzoic Acid (2 Isomers) 1/	1-25			
C_2 Alkyl Benzoic Acid 1/	1-25			
C_3 Alkyl Benzoic Acid 1/	1-25			
C_4 Alkyl Benzoic Acid 1/	1-25			
Hydroxy Methoxy Benzaldehyde 1/	1-25			
Benzene Propanoic Acid 1/	1-25			
Methyl Benzene Sulfonomide 1/	1-25			
24 Unidentified Compounds	1-10			
13 Unidentified Compounds	10-100			
3 Unidentified Compounds	100-500			

MDL - Minimum Detection Limit

ND - None Detected.

T - Trace

1/ - Tentative Identification.

2/ - On NRDC List of Priority Pollutants.

Project Valley of the Drums Louisville, KY Chemist E. W. Loy, Jr. Rec'd. 2-27-79 Compl'd. 3-16-79

Extractable Organic Analyses

SAD No.	79C0429			
Source & Stn.	Water - AT-6			
Date/Time	2-22-79, 1700			
COMPOUND (UG/L) (Estimated)				
Xylene (2 Isomers)	62			
Hydroxymethyl Pentanone 1/	28			
Dibutoxy Methanol (3 Isomers) 1/	15			
C_3 Alkyl Benzene (2 Isomers) 1/	5.7			
Trimethyl Cyclohexanone 1/	15			
α,α-Dimethyl Benzene Methanol 1/	19			
Methyl Benzene Methanol 1/	1.2			
Isophorone 2/	15			
Phenyl Ether	1.4			
Carbonic Acid, Butyl Phenyl Ester 1/	3.5			
Dimethyl Phthalate 2/	13			
Tetraoxadodecane 1/	2.7			
Diethyl Phthalate 2/	26			
Propoxy Butane 1/	1.2			
Pentaoxapentadecane 1/	4.7			
Di-n-butyl Phthalate 2/	16			
Fluoranthene 2/	T<1.0			
Bis(2-ethylhexyl) Phthalate 2/	7.4			
Methyl Phenol	1-10			
Dimethyl Phenol (3 Isomers)	1-10			
Ethyl Hexanoic Acid 1/	10-100			
Hexanoic Acid 1/	32			
Benzoic Acid 1/	1-10			
Methyl Benzoic Acid (2 Isomers) 1/	1-10			
C_4 Alkyl Benzoic Acid 1/	1-10			
Hydroxy Methoxy Benzaldehyde 1/	1-10			
Pentachlorophenol 2/	4.3			
Phenol 2/	T<1			
20 Unidentified Compounds in the 1-10 ug/1 range				
1 Unidentified Compound in the 10-100 ug/1 range				

MDL - Minimum Detection Limit

ND - None Detected.

T - Trace

1/ - Tentative Identification.

2/ - On NRDC List of Priority Pollutants.

Project Valley of the Dr. Louisville, KY Chemist E. W. Loy, Jr. Rec'd. 2-27-79 Compl'd. 3-16-79

Extractable Organic Analyses

SAD No.	79C0430			
Source & Stn.	Water - AT-7			
Date/Time	2-22-79, 1715			
COMPOUND (UG/L) (Estimated)				
Xylene (2 Isomers)	380			
Methyl Pentanol 1/	3.7			
Methyl Cyclopentanol 1/	42			
Dimethyl Pentanone 1/	37			
Butoxyethanol 1/	73			
Methyl Hydroxy Pentanone 1/	200			
C_3 Alkyl Benzene (3 Isomers) 1/	24			
Cyclohexanone 1/	66			
Dibutoxymethanol (2 Isomers) 1/	60			
Methyl Styrene 1/	9			
C_4 Alkyl Benzene (5 Isomers) 1/	28			
α,α Dimethyl Benzene Methanol 1/	86			
C_2 Alkyl Styrene 1/	7.3			
Methyl Benzene Methanol 1/	7.3			
Isophorone 2/	37			
Phenoxy Methyl Oxirane 1/	15			
Phenyl Ether	2.7			
Chlorophenoxypropanol 1/	18			
Dimethyl Phthalate 2/	16			
Phenoxypropanediol 1/	57			
Tetraoxadodecane 1/	29			
Diethyl Phthalate 2/	44			
Methyl Propyl Ester of Benzoic Acid 1/	3.7			
Pentaoxapentadecane 1/	9.1			
Bis (2-ethylhexyl) Phthalate 2/	3.7			
Methyl Butanoic Acid 1/	10-50			
Pentanoic Acid 1/	1-10			
Phenol 2/	44			
Methyl Phenol	10-50			
C_2 Alkyl Phenol (3 Isomers)	1-10			
C_4 Alkyl Phenol 1/	1-10			
Ethyl Hexanoic Acid 1/	10-50			
Dimethyl Propanol 1/	10-50			
Phthalic Acid 1/	1-10			

MDL - Minimum Detection Limit

ND - None Detected.

T - Trace

1/ - Tentative Identification.

2/ - On NRDC List of Priority Pollutants.

Project [redacted] Chemist E. W. Loy, Jr. Rec'd. Compl'd. 3-16-79

Extractable Organic Analyses

SAD No.	79C0430 (continued - p. 2)			
Source & Stn.	Water - AT-7			
Date/Time	2-22-79, 1715			
COMPOUND (UG/L) (Estimated)				
Benzoic Acid 1/	10-50			
Methyl Benzoic Acid (2 Isomers) 1/	10-50			
C_2 Alkyl Benzoic Acid 1/	1-10			
C_4 Alkyl Benzoic Acid 1/	1-10			
Methyl Benzene Sulfonamide 1/	1-10			
24 Unidentified Compounds	1-10			
15 Unidentified Compounds	10-100			

MDL - Minimum Detection Limit

ND - None Detected.

T - Trace

1/ - Tentative Identification.

2/ - On NRDC List of Priority Pollutants.

Project Valley of the Dr Louisville, KY Chemist E. W. Loy, Jr. Rec'd. 16-79 Compl'd. 3-16-79

Extractable Organic Analyses

SAD No.	79C0358			
Source & Stn.	Water-WC-002 170 Yds downst.			
Date/Time	2-13-79, 1415			
COMPOUND (UG/L) (Estimated)				
Xylene (2 isomers)	68			
Naphthalene 2/	3.6			
Hexanone 1/	6.4			
Heptanol 1/	48			
Hexenol 1/	19			
Heptanone 1/	108			
C_3 Alkyl Benzene (2 isomers) 1/	9			
C_4 Alkyl Benzene (7 isomers) 1/	40			
α,α -Dimethyl Benzene Methanol 1/	18			
C_2 Alkyl Styrene 1/	5			
Methyl (Propenyloxy) Ethoxy Propanol 1/	61			
Dibutoxy Propanol 1/	5			
Tetraoxadodecane 1/	16			
Pentaoxapentadecane 1/	30			
Dibutoxy Methanol	4			
Methylpropanoic Acid 1/	1-10			
Methyl Butanoic Acid(2 isomers) 1/	1-10			
Phenol 2/	1-10			
Methyl Pentanoic Acid 1/	1-10			
Butanoic Acid 1/	1-10			
C_2 Alkyl Phenol (2 isomers)	1-10			
2-Ethyl Hexanoic Acid 1/	100			
Methyl Ester of Ethylhexanoic Acid 1/	10-100			
Butoxybutanoic Acid 1/	1-10			
Benzoic Acid 1/	1-10			
Methyl Benzoic Acid(2 isomers) 1/	1-10			
C_2 Alkyl Benzoic Acid 1/	1-10			
C_3 Alkyl Benzoic Acid(2 isomers) 1/	1-10			
Trimethyl Pentanone 1/	1-10			
C_4 Alkyl Benzoic Acid 1/	1-10			
12 Unidentified Compounds	1-10			
5 Unidentified Compounds	10-100			

MDL - Minimum Detection Limit

ND - None Detected.

T - Trace

1/ - Tentative Identification.

2/ - On NRDC List of Priority Pollutants.

DATA REPORTING SHEET

Valley of the Drums
Project Louisville, KY Chemist Charles H. Hooper Rec'd. 2/16/79 Compl'd. 3/10/79

Volatile Organic Analyses

AD No.	79C 0361	79C 0362	3/	79C 0348
ource & Stn.	Wilson Creek WC-004	Wilson Creek WC-003	Lab Analysis Blank	Pond Creek PC-002
ate/Time	2/13/79, 1515	2/13/79, 1445	3/6/79	2/14/79, 1200
OMPOUND (UG/L)				
inyl Chloride	ND	ND	ND	ND
ethylene Chloride	30	43	T<5	BC
,1-dichloroethylene	ND	ND	ND	BC
rans-1,2-dichloroethylene	BC	8.6	ND	BC
hloroform	ND	BC	T<5	BC
,1,1-trichloroethane	ND	ND	T<5	BC
arbon Tetrachloride	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	T<5
Trichloroethylene	BC	BC	T<5	BC
Benzene	BC	BC	T<5	BC
Dibromochloromethane	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND
Tetrachloroethene	BC	BC	T<5	BC
Tetrachloroethane	BC	BC	T<5	BC
Toluene	BC	BC	T<5	BC
Chlorobenzene	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	BC
Acetone 1/	4500	5200	ND	ND
Isopropanol 1/2/	ND	ND	ND	8.1
Trichlorotrifluoroethane 1/2/	BC	BC	5.0	BC
Methyl Ethyl Ketone 1/	2700	3200	ND	ND
2-butanol 1/2/	ND	ND	ND	ND
Hexane 1/2/	BC	BC	7.3	BC
Methyl Isobutyl Ketone 1/	1300	2400	T<200	ND
2-hexanol 1/2/	ND	T<5	ND	ND
Methyl Butyl Ketone 1/2/	ND	ND	ND	ND
Iso-octane 1/2/	BC	BC	8.2	BC
Trichlorofluoromethane	ND	ND	ND	T<5
Pentane 1/2/	ND	ND	ND	ND
1,1-dichloroethane	ND	ND	ND	ND
Dimethyl Disulfide 1/2/	ND	ND	ND	ND
Xylenes (2 isomers) 1/	ND	ND	ND	ND
2-methyl-1-propanol 1/2/	ND	ND	ND	ND
Methyl-propyl-ketone 1/2/	ND	ND	ND	ND

ND - None detected.
T - Trace
1/ - Estimated concentration.
2/ - Tentative identification based on published spectra.

3/ - Analysis blank for samples 79C 0361-0362.

BC - (Blank Contamination). Volatile organic compounds in the analysis blanks are indicative of laboratory contamination; therefore, data for the compound is not reported.

Valley of the Dr
Project Louisville, KY Chemist Charles H. Hooper Rec'd. 2/16/79 Comp'd. 3/10/79

Volatile Organic Analyses

SAD No.	3/	79C 0357	79C 0358	4/
Source & Stn.	Lab Analysis Blank	Wilson Creek WC-001	Wilson Creek WC-002	Lab Analysis Blank
Date/Time	3/1/79	2/13/79, 1345	2/13/79, 1415	3/2/79
COMPOUND (UG/L)				
Vinyl Chloride	ND	T<5	T<5	ND
Methylene Chloride	T<5	58	52	T<5
1,1-dichloroethylene	ND	ND	ND	ND
Trans-1,2-dichloroethylene	ND	43	114	ND
Chloroform	ND	BC	ND	ND
1,1,1-trichloroethane	T<5	BC	BC	T<5
Carbon Tetrachloride	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND
Trichloroethylene	T<5	BC	BC	T<5
Benzene	T<5	BC	BC	T<5
Dibromochloromethane	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND
Tetrachloroethene	T<5	BC	BC	T<5
Tetrachloroethane	T<5	BC	BC	T<5
Toluene	T<5	BC	31	T<5
Chlorobenzene	T<5	ND	ND	ND
Ethyl Benzene	T<5	BC	6.8	T<5
Acetone 1/	T<5	8100	9300	ND
Isopropanol 1/2/	T<5	ND	15	ND
Trichlorotrifluoroethane 1/2/	15	ND	BC	15
Methyl Ethyl Ketone 1/	ND	5000	6300	ND
2-butanol 1/2/	ND	ND	34	ND
Hexane 1/2/	7.0	BC	BC	11
Methyl Isobutyl Ketone 1/	ND	2600	13000	ND
2-hexanol 1/2/	ND	T<5	36	ND
Methyl Butyl Ketone 1/2/	ND	ND	T<5	ND
Iso-octane 1/2/	7.0	BC	BC	19
Trichlorofluoromethane	ND	ND	ND	ND
Pentane 1/2/	ND	ND	ND	ND
1,1-dichloroethane	ND	ND	ND	ND
Dimethyl Disulfide 1/2/	ND	ND	ND	ND
Xylenes (2 isomers) 1/	ND	ND	ND	ND
2-methyl-1-propanol 1/2/	ND	ND	ND	ND
Methyl-propyl-ketone 1/2/	ND	ND	ND	ND

ND - None detected.
T - Trace
1/ - Estimated concentration.
2/ - Tentative identification based on published spectra.

3/ - Analysis Blank for Samples 79C 0346 - 0347.
4/ - Analysis Blank for Samples 79C 0357-0358.

BC - (Blank Contamination). Volatile organic compounds in the analysis blanks are indicative of laboratory contamination; therefore, data for the compound is not reported.

DATA REPORTING SHEET

Valley of the Drums
Project Louisville, KY Chemist Charles Hooper Rec'd. 2/27/79 Compl'd. 3/10/79

Volatile Organic Analyses

LAB No.		79C0418	79C0421	79C0422
Source & Stn.	Lab Analysis Blank	AT-1	AT-2	AT-3
Date/Time	3/2/79	2/22/79 1600	2/22/79 1615	2/22/79 1625
COMPOUND (UG/L)				
Vinyl Chloride	ND	ND	ND	T<5
Methylene Chloride	T<5	6.6	7.9	5.3
1,1-dichloroethylene	ND	ND	ND	ND
Trans-1,2-dichloroethylene	ND	T<5	T<5	75
Chloroform	ND	ND	BC	BC
1,1,1-trichloroethane	T<5	BC	BC	BC
Carbon Tetrachloride	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND
Trichloroethylene	T<5	BC	BC	BC
Benzene	T<5	BC	BC	BC
Dibromochloromethane	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND
Tetrachloroethene	T<5	6.4	18	12
Tetrachloroethane	T<5	BC	BC	BC
Toluene	T<5	BC	BC	340
Chlorobenzene	ND	ND	ND	ND
Ethyl Benzene	T<5	ND	ND	69
Acetone 1/	ND	ND	ND	ND
Isopropanol 1/2/	ND	ND	ND	ND
Trichlorotrifluoroethane 1/2/	15	BC	BC	BC
Methyl Ethyl Ketone 1/	ND	ND	ND	ND
2-butanol 1/2/	ND	ND	ND	ND
Hexane 1/2/	11	BC	BC	BC
Methyl Isobutyl Ketone 1/	ND	ND	ND	330
2-hexanol 1/2/	ND	ND	ND	ND
Methyl Butyl Ketone 1/2/	ND	ND	ND	ND
Iso-octane 1/2/	19	ND	BC	BC
Trichlorofluoromethane	ND	ND	ND	BC
Pentane 1/2/	ND	ND	ND	ND
1,1-dichloroethane	ND	ND	ND	T<5
Dimethyl Disulfide 1/2/	ND	ND	ND	6
Xylenes (2 isomers) 1/	ND	ND	ND	ND
2-methyl-1-propanol 1/2/	ND	ND	ND	ND
Methyl-propyl-ketone 1/2/	ND	ND	ND	ND

ND - None detected.
T - Trace
1/ - Estimated concentration.
2/ - Tentative identification based on published spectra.

BC - (Blank Contamination) Volatile organic compounds in the analysis blanks are indicative of laboratory contamination; therefore, data for the compound is not reported.

DATA REPORTING SHEET

Project Valley of the Drums Louisville, KY Chemist Charles Hooper Rec'd. 2/27/79 Compl'd. 3/10/79

Volatile Organic Analyses

AD No.	3/	79C0425	79C0426	79C0429
Source & Stn.	Lab Analyses Blank	AT-4	AT-5	AT-6
Date/Time	3-7-79	2/22/79 1635	2/22/79 1650	2/22/79 1700
COMPOUND (UG/L)				
Vinyl Chloride	ND	T<5	ND	ND
Methylene Chloride	T<5	BC	140	7.4
1,1-dichloroethylene	ND	ND	BC	ND
Trans-1,2-dichloroethylene	ND	26	36	T<5
Chloroform	ND	BC	BC	BC
1,1,1-trichloroethane	ND	BC	9.4	BC
Carbon Tetrachloride	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND
Trichloroethylene	ND	22	BC	BC
Benzene	T<5	BC	BC	BC
Dibromochloromethane	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND
Tetrachloroethene	T<5	5.7	12	6.2
Tetrachloroethane	T<5	BC	BC	BC
Toluene	T<5	160	180	BC
Chlorobenzene	ND	BC	BC	ND
Ethyl Benzene	ND	10	24	BC
Acetone 1/	ND	ND	400	ND
Isopropanol 1/2/	ND	ND	BC	ND
Trichlorotrifluoroethane 1/2/	17	BC	BC	BC
Methyl Ethyl Ketone 1/	ND	ND	470	ND
2-butanol 1/2/	ND	ND	T<5	ND
Hexane 1/2/	ND	ND	BC	BC
Methyl Isobutyl Ketone 1/	ND	880	1100	ND
2-hexanol 1/2/	ND	78	T<5	T<5
Methyl Butyl Ketone 1/2/	ND	ND	ND	ND
Iso-octane 1/2/	ND	ND	ND	BC
Trichlorofluoromethane	ND	BC	BC	ND
Pentane 1/2/	ND	ND	ND	ND
1,1-dichloroethane	ND	T<5	T<5	ND
Dimethyl Disulfide 1/2/	ND	ND	ND	ND
Xylenes (2 isomers) 1/	ND	630	400	ND
2-methyl-1-propanol 1/2/	ND	T<5	T<5	ND
Methyl-propyl-ketone 1/2/	ND	ND	ND	ND

ND - None detected.
T - Trace
1/ - Estimated concentration.
2/ - Tentative identification based on published spectra.

3/ - Analysis blank for Sample Nos. 79C0418, 0421, 0422.

BC - (Blank Contamination) Volatile organic compounds in the analysis blanks are indicative of laboratory contamination; therefore, data for the compound is not reported.

DATA REPORTING SHEETS

Valley of the Drums
Project Louisville, KY Chemist Charles H. Hooper Rec'd. 2/16/79 Compl'd. 3/10/79

Volatile Organic Analyses

SAD No.	79C 0430	3/		
Source & Stn.	AT-7	Lab Analysis Blank		
Date/Time	2/22/79, 1715	3/8/79		
COMPOUND (UG/L)				
Vinyl Chloride	T<5	ND		
Methylene Chloride	BC	T<5		
1,1-dichloroethylene	ND	ND		
Trans-1,2-dichloroethylene	6.4	ND		
Chloroform	ND	T<5		
1,1,1-trichloroethane	BC	ND		
Carbon Tetrachloride	ND	ND		
Bromodichloromethane	ND	ND		
Trichloroethylene	BC	T<5		
Benzene	BC	T<5		
Dibromochloromethane	ND	ND		
Bromoform	ND	ND		
Tetrachloroethene	BC	T<5		
Tetrachloroethane	BC	T<5		
Toluene	160	T<5		
Chlorobenzene	BC	T<5		
Ethyl Benzene	31	T<5		
Acetone 1/	730	ND		
Isopropanol 1/2/	BC	ND		
Trichlorotrifluoroethane 1/2/	5.4	21		
Methyl Ethyl Ketone 1/	690	ND		
2-butanol 1/2/	T<5	ND		
Hexane 1/2/	7.3	5.9		
Methyl Isobutyl Ketone 1/	1600	ND		
2-hexanol 1/2/	37	ND		
Methyl Butyl Ketone 1/2/	ND	ND		
Iso-octane 1/2/	ND	ND		
Trichlorofluoromethane	ND	T<5		
Pentane 1/2/	ND	ND		
1,1-dichloroethane	T<5	ND		
Dimethyl Disulfide 1/2/	ND	ND		
Xylenes (2 isomers) 1/	340	ND		
2-methyl-1-propanol 1/2/	5.2	ND		
Methyl-propyl-ketone 1/2/	ND	ND		

ND - None detected.
T - Trace
1/ - Estimated concentration.
2/ - Tentative identification based on published spectra.

3/ - Analysis blank for 79C 0425,0426,0429,0430.

BC - (Blank Contamination) Volatile organic compounds in the analysis blanks are indicative of laboratory contamination; therefore, data for the compound is not reported.