EPA Region 5 Records Ctr.
238515

Volume 4 • Appendix K of the RI Report • July 6, 1993: Revision 1

Laboratory Analytical Results

Nease Chemical Company – Salem, Ohio Site

(2 of 2)

• GROUNDWATER

APPENDIX K
(ROUND 1)
LABORATORY ANALYTICAL RESULTS

APPENDIX K

ROUND 1 GROUNDWATER

- Volatile Compounds
- Volatile Tentatively Identified Compounds
- Semivolatile Compounds
- Semivolatile Tentatively Identified Compounds
- Pesticides/PCBs
- Mirex, Photomirex and Kepone
- Dioxins/Furans
- Inorganics

LEGEND:

-	Compound was not detected.
J	Quantitation is approximate due to limitations identified during the quality control review (data validation).
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."
R	Unreliable result - analyte may or may not be present in this sample.
UL	This analyte was not detected, but the quantitation limit is higher due to a low bias identified during the quality assurance review.
U	This compound should be considered "not detected" since it was detected in a blank at a similar level.
S	Matrix spike compound.
NA	Not analyzed.
B	This result is qualitatively suspect since this compound was detected in field and/or laboratory blanks at similar levels.
NR	Not received in time to be included in this submittal.
blank	The compound/constituent was analyzed for, but was not detected at a concentration at/or above the quantitation limit/detection limit.

* The presence of this compound is indicated; however, the exact concentration cannot be calculated.

** This result for this compound is being reported from a dilution analysis.

RUETGERS-NEASE CHEMICAL COMPANY, INC.
SALEM, OHIO
ROUND 1 GROUNDWATER RESULTS

Volatile Compounds

VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	RNS-GW-ILB	RNS-GW-JVF2	RNS-GW-JVF3	RNS-GW-JVF4	RNS-GW-JLB	RNS-GW-KVF2	RNS-GW-KVF4	RNS-GW-KLB
Laboratory Sample Number		V009	V051	V052	V053	VO48	V016	V017	V007
Remarks									
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)								
Chloromethane	10		1 J			UJ			
Bromomethane	10								
Vinyl Chloride	10		UJ			UJ			
Chloroethane	10			UJ	UJ				
Methylene Chloride	10								
Acetone	10		UJ	UJ	UJ	UJ			
Carbon Disulfide	10								
1,1-Dichloroethene	10								
1,1-Dichloroethane	10								
Total 1,2-Dichloroethene	10								
Chloroform	10								
1,2-Dichloroethane	10								
2-Butanone	10		UJ	10 U	10 U	10 U			
1,1,1-Trichloroethane	10								
Carbon Tetrachloride	10								
Bromodichloromethane	10								
1,1,2,2-Tetrachloroethane	10								
1,2-Dichloropropane	10								
trans-1,3-Dichloropropene	10								
Trichloroethene	10								
Dibromochloromethane	10								
1,1,2-Trichloroethane	10								
Benzene	10		UJ			UJ			
cis-1,3-Dichloropropene	10						UJ	UJ	UJ
Bromoform	10								
2-Hexanone	10		UJ	UJ	UJ	UJ			
4-Methyl-2-Pentanone	10								
Tetrachloroethene	10								
Toluene	10								
Chlorobenzene	10								
Ethylbenzene	10								
Styrene	10								
Total Xylenes	10								
Quantitation Limit Multiplier		1	1	1	1	1	1	1	1
Date of Sample Collection		10/21/92	10/27/92	10/27/92	10/27/92	10/27/92	10/21/92	10/21/92	10/20/92
Date Sample Received by Laboratory		10/23/92	10/28/92	10/28/92	10/28/92	10/28/92	10/22/92	10/22/92	10/21/92
Date of Sample Analysis		10/30/92	11/05/92	11/05/92	11/05/92	11/05/92	10/29/92	10/29/92	10/29/92
Instrument Used for Analysis		MS-1050	OWA-1050	OWA-1050	OWA-1050	MS-1050	MS-1050	MS-1050	MS-1050

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS	RNS-GW-KVF5	RNS-GW-LVF1	RNS-GW-LVF2	RNS-GW-LVF3	RNS-GW-LLB	RNS-GW-LLB-210
Laboratory Sample Number		V006	VO44	VO43	VO46	VO45	VO47
Remarks		Duplicate of RNS-GW-KLB			Duplicate of RNS-GW-LVF2		Trip Blank
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)						
Chloromethane	10		UJ	UJ	UJ	UJ	UJ
Bromomethane	10						
Vinyl Chloride	10		UJ	UJ	UJ	UJ	UJ
Chloroethane	10						
Methylene Chloride	10						2 J
Acetone	10		UJ	UJ	UJ	UJ	UJ
Carbon Disulfide	10						
1,1-Dichloroethene	10						
1,1-Dichloroethane	10						
Total 1,2-Dichloroethene	10		10 U				
Chloroform	10						
1,2-Dichloroethane	10						
2-Butanone	10		10 U	10 U	10 U	10 U	4 J
1,1,1-Trichloroethane	10						
Carbon Tetrachloride	10						
Bromodichloromethane	10						
1,1,2,2-Tetrachloroethane	10						
1,2-Dichloropropane	10						
trans 1,3 Dichloropropene	10						
Trichloroethene	10		10 U				
Dibromochloromethane	10						
1,1,2-Trichloroethane	10						
Benzene	10		10 U	UJ	UJ	UJ	UJ
cis-1,3-Dichloropropene	10	UJ					
Bromoform	10						
2-Hexanone	10		UJ	UJ	UJ	UJ	UJ
4-Methyl-2-Pentanone	10						
Tetrachloroethene	10						
Toluene	10			UJ			
Chlorobenzene	10			UJ			
Ethylbenzene	10			UJ			
Styrene	10			UJ			
Total Xylenes	10			UJ			
Quantitation Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		10/20/92	10/26/92	10/26/92	10/26/92	10/26/92	10/26/92
Date Sample Received by Laboratory		10/21/92	10/28/92	10/28/92	10/28/92	10/28/92	10/28/92
Date of Sample Analysis		10/29/92	11/05/92	11/05/92	11/05/92	11/05/92	11/05/92
Instrument Used for Analysis		MS-1050	MS-1050	MS-1050	MS-1050	MS-1050	MS-1050

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	RNS-GW-EVF5	RNS-GW-EVF4	RNS-GW-E-LB	RNS-GW-F-VF3	RNS-GW-F-VF4	RNS-GW-FVF4-103	RNS-GW-FVF6	RNS-GW-FLB
Laboratory Sample Number		V014	V022	V025	VO27	V028	V028	V032	VO33
Remarks		Duplicate of RNS-GW-EVF3					Field Blank		
Units		ug/L	ug/L	g/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)								
Chloromethane	10								
Bromomethane	10								
Vinyl Chloride	10								
Chloroethane	10								
Methylene Chloride	10						12 J		
Acetone	10								
Carbon Disulfide	10								
1,1-Dichloroethene	10								
1,1-Dichloroethane	10								
Total 1,2-Dichloroethene	10								
Chloroform	10								
1,2-Dichloroethane	10								
2-Butanone	10								
1,1,1-Trichloroethane	10								
Carbon Tetrachloride	10								
Bromodichloromethane	10								
1,1,2,2-Tetrachloroethane	10								
1,2-Dichloropropane	10								
trans-1,3-Dichloropropene	10								
Trichloroethene	10								
Dibromochloromethane	10								
1,1,2-Trichloroethane	10								
Benzene	10								
cis-1,3-Dichloropropene	10		UJ	UJ	UJ	UJ	UJ		
Bromoform	10								
2-Hexanone	10								
4-Methyl-2-Pentanone	10								
Tetrachloroethene	10								
Toluene	10								
Chlorobenzene	10								
Ethylbenzene	10								
Styrene	10								
Total Xylenes	10								
Quantitation Limit Multiplier		1	1	1.0	1	1	1	1	1
Date of Sample Collection		10/21/92	10/22/92	10/22/92	10/22/92	10/22/92	10/22/92	10/22/92	10/22/92
Date Sample Received by Laboratory		10/22/92	10/23/92	10/23/92	10/23/92	10/23/92	10/23/92	10/23/92	10/23/92
Date of Sample Analysis		10/30/92	10/30/92	10/30/92	10/31/92	10/31/92	10/31/92	10/31/92	10/31/92
Instrument Used for Analysis		MS-1050	MS-1050	MS-1050	MS-1050	MS-1050	MS-1050	MS-1050	MS-1050

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VOLATILE ORGANIC ANALYSIS

FRM Midwest Sample Number	RNS	RNS-GW-QUB	RNS-GW-HS	RNS-GW-HUB	RNS-GW-HVF1	RNS-GW-IS	RNS-GW-II	RNS-IUB	RNS-GW-IUB-207
Laboratory Sample Number		V101	V030	V029	V031	V001	V002	V003	V004
Remarks									Trip Blank
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)								
Chloromethane	10								
Bromomethane	10								
Vinyl Chloride	10	390							
Chloroethane	10								
Methylene Chloride	10								
Acetone	10								
Carbon Disulfide	10								
1,1-Dichloroethene	10								
1,1 Dichloroethane	10								
Total 1,2-Dichloroethene	10	8000							
Chloroform	10								
1,2-Dichloroethane	10	210							
2-Butanone	10								
1,1,1-Trichloroethane	10								
Carbon Tetrachloride	10								
Bromodichloromethane	10								
1,1,2,2-Tetrachloroethane	10								
1,2 Dichloropropane	10								
trans 1,3 Dichloropropene	10	UJ							
Trichloroethene	10	32 J							
Dibromochloromethane	10								
1,1,2-Trichloroethane	10								
Benzene	10	310 J			UJ				
cis-1,3-Dichloropropene	10					UJ	UJ	UJ	UJ
Bromoform	10								
2-Hexanone	10								
4-Methyl-2-Pentanone	10	UJ							
Tetrachloroethene	10	200 U							
Toluene	10				UJ				
Chlorobenzene	10	24 J			UJ				
Ethylbenzene	10				UJ				
Styrene	10				UJ				
Total Xylenes	10				UJ				
Quantitation Limit Multiplier		20	1	1	1	1	1	1	1
Date of Sample Collection		11/04/92	10/22/92	10/22/92	10/22/92	10/19/92	10/19/92	10/20/92	10/20/92
Date Sample Received by Laboratory		11/05/92	10/23/92	10/23/92	10/23/92	10/21/92	10/21/92	10/21/92	10/21/92
Date of Sample Analysis		11/13/92	10/31/92	10/31/92	10/31/92	10/29/92	10/29/92	10/29/92	10/29/92
Instrument Used for Analysis		OWA-1050	MS-1050	MS-1050	MS-1050	MS-1050	MS-1050	MS-1050	MS-1050

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	RNS-GW-RW1-215	RNS-GW-RW1-107	RNS-GW-AS	RNS-GW-AUB	RNS-GW-AVF1	RNS-GW-BS	RNS-GW-BSDL	RNS-GW-CS
Laboratory Sample Number		V107	V108	VO37	VO36	VO38	V039	V039D	V005
Remarks		Trip Blank	Field Blank			Duplicate of RNS-GW-AUB		Dilution	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)								
Chloromethane	10							UJ	
Bromomethane	10								
Vinyl Chloride	10						1200 J	820 J	
Chloroethane	10								
Methylene Chloride	10				10 U	10 U	10 U	500 U	
Acetone	10					10 U		UJ	
Carbon Disulfide	10								
1,1-Dichloroethene	10						49	44 J	
1,1-Dichloroethane	10								
Total 1,2-Dichloroethene	10			11	10 U		4200 J	8400	
Chloroform	10			10 U			8 J		
1,2-Dichloroethane	10			150	190	200	2800 J	4600	
2-Butanone	10			10 U	10 U	10 U	10 U	500 U	
1,1,1-Trichloroethane	10								
Carbon Tetrachloride	10								
Bromodichloromethane	10								
1,1,2,2-Tetrachloroethane	10								
1,2-Dichloropropane	10								
trans-1,3-Dichloropropene	10								
Trichloroethene	10			10 U			1300 J	1800	
Dibromochloromethane	10								
1,1,2-Trichloroethane	10								
Benzene	10				3 J	3 J	1200 J	4200 J	
cis-1,3-Dichloropropene	10								UJ
Bromoform	10								
2-Hexanone	10							UJ	
4-Methyl-2-Pentanone	10	UJ	UJ						
Tetrachloroethene	10						23		
Toluene	10						110	91 J	
Chlorobenzene	10						360 J	400 J	
Ethylbenzene	10								
Styrene	10								
Total Xylenes	10								
Quantitation Limit Multiplier		1	1	1	1	1	1	50	1
Date of Sample Collection		11/03/92	11/03/92	10/26/92	10/26/92	10/26/92	10/26/92	10/26/92	10/19/92
Date Sample Received by Laboratory		11/05/92	11/05/92	10/28/92	10/28/92	10/28/92	10/28/92	10/28/92	10/21/92
Date of Sample Analysis		11/14/92	11/14/92	11/05/92	11/05/92	11/05/92	11/05/92	11/05/92	10/29/92
Instrument Used for Analysis		OWA-1050	OWA-1050	MS-1050	MS-1050	MS-1050	MS-1050	MS-1050	MS-1050

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VOLATILE ORGANIC ANALYSIS

FAM-Midwest Sample Number		RN8	RN8-GW-CUB	RN8-GW-CLB	RN8-GW-DVF2	RN8-GW-DVF3	RN8-GW-DLB	RN8-GW-EVF1	RN8-GW-EVF2	RN8-GW-EVF3
Laboratory Sample Number			V008	V021	V020	V019	V018	V010	V011	V012
Remarks										
Units			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)									
Chloromethane	10									
Bromomethane	10									
Vinyl Chloride	10									
Chloroethane	10									
Methylene Chloride	10									
Acetone	10			20 U						
Carbon Disulfide	10									
1,1-Dichloroethene	10									
1,1-Dichloroethane	10									
Total 1,2-Dichloroethene	10									
Chloroform	10			10 U						
1,2-Dichloroethane	10									
2-Butanone	10			10 U						
1,1,1-Trichloroethane	10									
Carbon Tetrachloride	10									
Bromodichloromethane	10									
1,1,2,2-Tetrachloroethane	10									
1,2-Dichloropropane	10									
trans-1,3-Dichloropropene	10									
Trichloroethene	10									
Dibromochloromethane	10									
1,1,2-Trichloroethane	10									
Benzene	10									
cis-1,3-Dichloropropene	10		UJ							
Bromoform	10									
2-Hexanone	10			10 U						
4-Methyl-2-Pentanone	10									
Tetrachloroethene	10			1 J						
Toluene	10									
Chlorobenzene	10									
Ethylbenzene	10									
Styrene	10									
Total Xylenes	10									
Quantitation Limit Multiplier			1	1	1	1	1	1	1	1
Date of Sample Collection			10/19/92	10/20/92	10/21/92	10/21/92	10/21/92	10/21/92	10/21/92	10/21/92
Date Sample Received by Laboratory			10/21/92	10/22/92	10/22/92	10/22/92	10/22/92	10/22/92	10/22/92	10/22/92
Date of Sample Analysis			10/29/92	10/30/92	10/30/92	10/30/92	10/30/92	10/30/92	10/30/92	10/30/92
Instrument Used for Analysis			MS-1050	MS-1050	MS-1050	MS-1050	MS-1050	MS-1050	MS-1050	MS-1050

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	RNS-GW-D11DL	RNS-GW-D12	RNS-GW-D12DL	RNS-GW-D13	RNS-GW-D14	RNS-GW-D19	RNS-GW-D14-213	RNS-GW-D15
Laboratory Sample Number		V093D	V090	V090D	V094	V078	V079	V080	V086
Remarks		Dilution		Dilution			Duplicate of RNS-GW-D14	Trip Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)								
Chloromethane	10								
Bromomethane	10								
Vinyl Chloride	10								15 J
Chloroethane	10								
Methylene Chloride	10		250 U						
Acetone	10								
Carbon Disulfide	10								
1,1-Dichloroethene	10		26 J						17 J
1,1-Dichloroethane	10								
Total 1,2-Dichloroethene	10	640 J	2000 J	1200					4000 J
Chloroform	10		66 J						
1,2-Dichloroethane	10								280 J
2-Butanone	10					UJ	UJ	UJ	UJ
1,1,1-Trichloroethane	10								
Carbon Tetrachloride	10								
Bromodichloromethane	10								
1,1,2,2-Tetrachloroethane	10	3200	17,000 J	13,000	10 U				110 J
1,2-Dichloropropane	10		UJ	UJ					
trans-1,3-Dichloropropene	10								
Trichloroethene	10	3700	11,000	6500	10 U				2000 J
Dibromochloromethane	10								
1,1,2-Trichloroethane	10								
Benzene	10	1100	1900						960 J
cis-1,3-Dichloropropene	10								
Bromoform	10								
2-Hexanone	10								
4-Methyl-2-Pentanone	10	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ
Tetrachloroethene	10	9900	38,000 J	27,000	10 U				1800 J
Toluene	10		750	580 J					10 J
Chlorobenzene	10		480						50 J
Ethylbenzene	10								5 J
Styrene	10								
Total Xylenes	10								
Quantitation Limit Multiplier		100	25	500	1	1	1	1	1
Date of Sample Collection		11/03/92	11/03/92	11/03/92	11/03/92	11/02/92	11/02/92	11/02/92	11/03/92
Date Sample Received by Laboratory		11/04/92	11/04/92	11/04/92	11/04/92	11/03/92	11/03/92	11/03/92	11/04/92
Date of Sample Analysis		11/13/92	11/12/92	11/12/92	11/12/92	11/11/92	11/11/92	11/11/92	11/12/92
Instrument Used for Analysis		OWA-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	RNS-GW-D15DL	RNS-GW-D16	RNS-GW-D16-208	RNS-GW-D17	RNS-GW-T1	RNS-GW-T2	RNS-GW-T2DL	RNS-GW-RW1
Laboratory Sample Number		V066D	V013	V015	V063	V098	V099	V099	V106
Remarks		Dilution		Trip Blank				Dilution	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)								
Chloromethane	10								
Bromomethane	10								
Vinyl Chloride	10				7 J	1700			
Chloroethane	10								
Methylene Chloride	10	50 U							
Acetone	10								
Carbon Disulfide	10								
1,1-Dichloroethene	10				1 J				
1,1-Dichloroethane	10								
Total 1,2-Dichloroethene	10	4400			320 J	15,400	1600 J		
Chloroform	10								
1,2-Dichloroethane	10	210 J			5 J	1400	1000 J		
2-Butanone	10				UJ				
1,1,1-Trichloroethane	10								
Carbon Tetrachloride	10								
Bromodichloromethane	10								
1,1,2,2-Tetrachloroethane	10	95 J			15		5300	5000 J	9300 J
1,2 Dichloropropane	10	UJ							
trans-1,3-Dichloropropene	10					UJ	UJ	UJ	
Trichloroethene	10	1600			10 U		17,000	15,000	8400 J
Dibromochloromethane	10								
1,1,2-Trichloroethane	10								
Benzene	10	1000			10 J	1100	4100 J	3900 J	4100 J
cis-1,3-Dichloropropene	10								
Bromoform	10								
2-Hexanone	10								
4-Methyl-2-Pentanone	10	UJ			UJ	UJ	UJ	UJ	UJ
Tetrachloroethene	10	1200			10 U		81,000 J	66,000	77,000
Toluene	10					110 J	1100 J	1100 J	
Chlorobenzene	10	41 J			2 J	600 J	270 J		
Ethylbenzene	10						UJ		
Styrene	10						UJ		
Total Xylenes	10						UJ		
Quantitation Limit Multiplier		25	1	1	1	100	250	1000	1000
Date of Sample Collection		11/03/92	10/21/92	10/21/92	11/03/92	11/04/92	11/04/92	11/04/92	11/05/92
Date Sample Received by Laboratory		11/04/92	10/22/92	10/22/92	11/04/92	11/05/92	11/05/92	11/05/92	11/05/92
Date of Sample Analysis		11/12/92	10/30/92	10/30/92	11/12/92	11/13/92	11/13/92	11/13/92	11/14/92
Instrument Used for Analysis		OWA-1050	MS-1050	MS-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	RNS-GW-D2	RNS-GW-D3	RNS-GW-D18	RNS-GW-D3-212	RNS-GW-D4	RNS-GW-D4-RE	RNS-GW-D5	RNS-GW-D6
Laboratory Sample Number		V089	V062	V064	V065	V060	V060	V056	V097
Remarks				Duplicate of RNS-GW-D-3	Trip Blank		Reanalysis		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)								
Chloromethane	10					UJ	UJ		
Bromomethane	10			UJ	UJ	UJ	UJ		
Vinyl Chloride	10					UJ	UJ		110 J
Chloroethane	10					UJ	UJ	UJ	
Methylene Chloride	10					UJ	UJ		
Acetone	10					UJ	UJ	10 U	
Carbon Disulfide	10					UJ	UJ		
1,1-Dichloroethene	10					UJ	UJ		
1,1-Dichloroethane	10					UJ	UJ		
Total 1,2-Dichloroethene	10	6 J	26	32		UJ	UJ		2400
Chloroform	10					UJ	UJ		160 J
1,2-Dichloroethane	10		20	27		UJ	UJ		1800
2-Butanone	10			10 U		10 U	UJ	10 U	500 U
1,1,1-Trichloroethane	10					UJ	UJ		
Carbon Tetrachloride	10					UJ	UJ		
Bromodichloromethane	10					UJ	UJ		
1,1,2,2-Tetrachloroethane	10					UJ	UJ		500 U
1,2-Dichloropropane	10	UJ				UJ	UJ		
trans-1,3-Dichloropropene	10			UJ	UJ	UJ	UJ		UJ
Trichloroethene	10	49	41	42		UJ	UJ		4800
Dibromochloromethane	10					UJ	UJ		
1,1,2-Trichloroethane	10					UJ	UJ		
Benzene	10	12	39	42		UJ	UJ		1300
cis-1,3-Dichloropropene	10					UJ	UJ		
Bromoform	10					UJ	UJ		
2-Hexanone	10					UJ	UJ	UJ	
4-Methyl-2-Pentanone	10	UJ				UJ	UJ		UJ
Tetrachloroethene	10	110		2 J		UJ	UJ		500 U
Toluene	10					UJ	UJ		500 U
Chlorobenzene	10	1 J		1 J		UJ	UJ		170 J
Ethylbenzene	10					UJ	UJ		
Styrene	10					UJ	UJ		
Total Xylenes	10					UJ	UJ		
Quantitation Limit Multiplier		1	1	1	1	1	1	1	50
Date of Sample Collection		11/03/92	10/28/92	10/28/92	10/28/92	10/27/92	10/27/92	10/27/92	11/03/92
Date Sample Received by Laboratory		11/04/92	10/29/92	10/29/92	10/29/92	10/28/92	10/28/92	10/28/92	11/05/92
Date of Sample Analysis		11/12/92	11/07/92	11/08/92	11/08/92	11/07/92	11/07/92	11/05/92	11/13/92
Instrument Used for Analysis		OWA-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	RNS-GW-D7	RNS-GW-D7-DL	RNS-GW-D8	RNS-GW-D8-DL	RNS-GW-D9	RNS-GW-D10	RNS-GW-D10-200	RNS-GW-D11
Laboratory Sample Number		V067	V067	V074	V074	V070	V034	V035	V063
Remarks			Dilution					Trip Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)								
Chloromethane	10			8 J					UJ
Bromomethane	10	UJ	UJ	UJ	UJ	UJ			UJ
Vinyl Chloride	10	45	22	710 J	480				2 J
Chloroethane	10								UJ
Methylene Chloride	10								10 U
Acetone	10			UJ	UJ				10 U
Carbon Disulfide	10								UJ
1,1-Dichloroethene	10	6 J		19	14 J				17 J
1,1-Dichloroethane	10								UJ
Total 1,2-Dichloroethene	10	1940 J	1500	4000 J	5200				1000 J
Chloroform	10								20 J
1,2-Dichloroethane	10	33		140	130				UJ
2-Butanone	10	10 U	100 U	UJ	100 U				UJ
1,1,1-Trichloroethane	10								UJ
Carbon Tetrachloride	10								UJ
Bromodichloromethane	10								UJ
1,1,2,2-Tetrachloroethane	10								1600 J
1,2-Dichloropropane	10			UJ	UJ				UJ
trans-1,3-Dichloropropene	10	UJ	UJ	UJ	UJ	UJ			UJ
Trichloroethene	10	160 J	120 J	35	26 J				2700 J
Dibromochloromethane	10								UJ
1,1,2-Trichloroethane	10								UJ
Benzene	10	12 J	UJ	300 J	270				850 J
cis-1,3-Dichloropropene	10								UJ
Bromoform	10								UJ
2-Hexanone	10			UJ	UJ				UJ
4-Methyl-2-Pentanone	10			UJ	UJ				UJ
Tetrachloroethene	10	60	41 J	26	17 J				3900 J
Toluene	10	1 J	2 J	10					150 J
Chlorobenzene	10	7 J	UJ	35	31 J				37 J
Ethylbenzene	10								5 J
Styrene	10								6 J
Total Xylenes	10								UJ
Quantitation Limit Multiplier		1	1	1	10	1	1	1	1
Date of Sample Collection		10/28/92	10/28/92	11/02/92	11/02/92	10/28/92	10/22/92	10/22/92	11/03/92
Date Sample Received by Laboratory		10/29/92	10/29/92	11/03/92	11/03/92	10/29/92	10/23/92	10/23/92	11/04/92
Date of Sample Analysis		11/06/92	11/06/92	11/09/92	11/09/92	11/06/92	10/31/92	10/31/92	11/12/92
Instrument Used for Analysis		OWA-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050	MS-1050	MS-1050	OWA-1050

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS	RNS-GW-S13	RNS-GW-S13DL	RNS-GW-S14	RNS-GW-S15	RNS-GW-S16	RNS-GW-S16-105	RNS-GW-S17	RNS-GW-S17-DL
Laboratory Sample Number		V076	V076D	V066	V081	V071	V072	V073	V073
Remarks			Dilution				Field Blank		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)								
Chloromethane	10							9 J	
Bromomethane	10	UJ	UJ	UJ		UJ	UJ	UJ	UJ
Vinyl Chloride	10					120		930 J	600
Chloroethane	10								
Methylene Chloride	10								100 U
Acetone	10	530 J	530 J				9 J	UJ	UJ
Carbon Disulfide	10				3 J				
1,1-Dichloroethene	10							18	
1,1-Dichloroethane	10								
Total 1,2-Dichloroethene	10	1600	1500			44		3800 J	4600
Chloroform	10	77 J	63 J						
1,2-Dichloroethane	10	3500 J	3300			9 J		92 J	78 J
2-Butanone	10	UJ	UJ		UJ		2 J	UJ	100 U
1,1,1-Trichloroethane	10								
Carbon Tetrachloride	10								
Bromodichloromethane	10								
1,1,2,2-Tetrachloroethane	10	3200 J	2800						
1,2-Dichloropropane	10	UJ	UJ					UJ	UJ
trans-1,3-Dichloropropene	10	UJ	UJ	UJ		UJ	UJ	UJ	UJ
Trichloroethene	10	6900 J	6000					9 J	6 J
Dibromochloromethane	10								
1,1,2-Trichloroethane	10	110	62 J						
Benzene	10	3100 J	3100			10 U		300 J	270
cis-1,3-Dichloropropene	10								
Bromoform	10								
2-Hexanone	10	UJ	UJ					UJ	UJ
4-Methyl-2-Pentanone	10	UJ	UJ		UJ			UJ	UJ
Tetrachloroethene	10	970 J	890						
Toluene	10	44 J						11	
Chlorobenzene	10	75 J	69 J					53	46 J
Ethylbenzene	10								
Styrene	10							1 JN	
Total Xylenes	10								
Quantitation Limit Multiplier		10	50	1	1	1	1	1	10
Date of Sample Collection		11/02/92	11/02/92	10/28/92	11/02/92	10/28/92	10/28/92	10/28/92	11/02/92
Date Sample Received by Laboratory		11/03/92	11/03/92	10/29/92	11/03/92	10/29/92	10/29/92	10/29/92	11/03/92
Date of Sample Analysis		11/09/92	11/09/92	11/08/92	11/11/92	11/08/92	11/08/92	11/08/92	11/09/92
Instrument Used for Analysis		OWA-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050

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VOLATILE ORGANIC ANALYSIS

FRM-Midwest Sample Number	RN8	RN8 GW-820	RN8-GW-820-DL	RN8-GW-818	RN8 GW-822	RN8-GW-818-209	RN8-GW-819	RN8-GW-D1	RN8-GW-D1-104
Laboratory Sample Number		V075	V075	V104	V105	V109	V100	VO40	VO41
Remarks		Duplicate of RN8 GW-817	Duplicate of RN8-GW-817		Duplicate of RN8 GW-18	Trip Blank			Field Blank
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)								
Chloromethane	10	UJ				9 J		UJ	UJ
Bromomethane	10	UJ	UJ						
Vinyl Chloride	10	990 J	670				320	UJ	UJ
Chloroethane	10	UJ							
Methylene Chloride	10	UJ							2 J
Acetone	10	UJ	UJ			1 J		UJ	UJ
Carbon Disulfide	10	UJ							
1,1 Dichloroethene	10	17 J	12 J						
1,1-Dichloroethane	10	UJ							
Total 1,2-Dichloroethane	10	4200 J	5000				3400	10 U	
Chloroform	10	UJ		700 J	700 J				
1,2-Dichloroethane	10	77 J	83 J	22,000	23,000		160		
2-Butanone	10	UJ	100 U					10 U	4 J
1,1,1-Trichloroethane	10	UJ							
Carbon Tetrachloride	10	UJ		570 J					
Bromodichloromethane	10	UJ							
1,1,2,2-Tetrachloroethane	10	UJ		46,000	50,000				
1,2-Dichloropropane	10	UJ	UJ			UJ			
trans-1,3-Dichloropropene	10	UJ	UJ				UJ		
Trichloroethene	10	8 J		19,000	19000			10 U	
Dibromochloromethane	10	UJ							
1,1,2-Trichloroethane	10	UJ							
Benzene	10	290 J	280	45,000	44,000		320 J	10 U	UJ
cis-1,3-Dichloropropene	10	UJ							
Bromoform	10	UJ		680 J	590 J				
2-Hexanone	10	UJ	UJ					UJ	UJ
4-Methyl-2-Pentanone	10	UJ	UJ	UJ	UJ	UJ	UJ		
Tetrachloroethene	10	UJ		23,000	23,000	2 J	100 U		
Toluene	10	10 J	9 J	7200	8100		12 J		
Chlorobenzene	10	50 J	45 J	4200 J	4300 J		27 J		
Ethylbenzene	10	UJ					UJ		
Styrene	10	1 J					UJ		
Total Xylenes	10	UJ					UJ		
Quantitation Limit Multiplier		1	10	500	500	1	10	1	1
Date of Sample Collection		11/02/92	11/02/92	11/03/92	11/03/92	11/03/92	11/04/92	10/28/92	10/28/92
Date Sample Received by Laboratory		11/03/92	11/03/92	11/05/92	11/05/92	11/11/92	11/05/92	10/28/92	10/28/92
Date of Sample Analysis		11/09/92	11/09/92	11/14/92	11/14/92	11/17/92	11/13/92	11/05/92	11/05/92
Instrument Used for Analysis		OWA-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050	MS-1050	MS-1050

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	RNS-GW-S1	RNS-GW-S2	RNS-GW-S3	RNS-GW-S4	RNS-GW-S5	RNS-GW-S6	RNS-GW-S6DL	RNS-GW-S7
Laboratory Sample Number		V054	V077	V063	V061	V057	V096	V096	V092
Remarks								*Dilution*	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)								
Chloromethane	10								
Bromomethane	10		UJ						
Vinyl Chloride	10						460	310 J	5 J
Chloroethane	10	UJ				UJ			
Methylene Chloride	10						100 U		
Acetone	10	UJ	UJ			10 U			10 U
Carbon Disulfide	10								
1,1-Dichloroethene	10						130		
1,1-Dichloroethane	10								
Total 1,2-Dichloroethene	10						40,000 J	64,000	140
Chloroform	10						540	430 J	
1,2-Dichloroethane	10		14						3 J
2-Butanone	10	10 U	UJ			10 U			
1,1,1-Trichloroethane	10								
Carbon Tetrachloride	10								
Bromodichloromethane	10								
1,1,2,2-Tetrachloroethane	10		10 U				1300	1000 J	
1,2-Dichloropropane	10		UJ						
trans-1,3-Dichloropropene	10		UJ						
Trichloroethene	10		10 U				1500	1200 J	70
Dibromochloromethane	10								
1,1,2-Trichloroethane	10						98 J		
Benzene	10						5700 J	5900	
cis-1,3-Dichloropropene	10								
Bromoform	10								
2-Hexanone	10	UJ	UJ			UJ			
4-Methyl-2-Pentanone	10		UJ				UJ	UJ	UJ
Tetrachloroethene	10						100 U	2000 U	85
Toluene	10						1700	1500 J	
Chlorobenzene	10						1700	1400 J	3 J
Ethylbenzene	10						980	650 J	3 J
Styrene	10								1 J
Total Xylenes	10								
Quantitation Limit Multiplier		1	1	1	1	1	10	200	1
Date of Sample Collection		10/27/92	11/02/92	10/28/92	10/27/92	10/27/92	11/03/92	11/03/92	11/03/92
Date Sample Received by Laboratory		10/28/92	11/03/92	10/29/92	10/28/92	10/28/92	11/05/92	11/05/92	11/04/92
Date of Sample Analysis		11/05/92	11/09/92	11/07/92	11/07/92	11/05/92	11/12/92	11/12/92	11/12/92
Instrument Used for Analysis		OWA-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050

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VOLATILE ORGANIC ANALYSIS

FRM-Midwest Sample Number	RNS	RNS GW 87 106	RNS-GW-S8	RNS-GW-S8DL	RNS-GW-S9	RNS-GW-S10	RNS-GW-S11	RNS-GW-S12	RNS-GW-S12RE
Laboratory Sample Number		V095	V088	V088D	VO42	V089	V088	V082	V082
Remarks		Field Blank		Dilution					Reanalysis
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)								
Chloromethane	10				UJ			UJ	UJ
Bromomethane	10							UJ	UJ
Vinyl Chloride	10		54	49 J	UJ			UJ	UJ
Chloroethane	10		4 J				UJ	UJ	UJ
Methylene Chloride	10							UJ	UJ
Acetone	10	3 J	10 U		15 U		UJ	5000 U	5000 U
Carbon Disulfide	10							UJ	UJ
1,1-Dichloroethene	10							UJ	UJ
1,1-Dichloroethane	10							UJ	UJ
Total 1,2-Dichloroethene	10		56	46 J		2 J	36	UJ	1100 J
Chloroform	10							530 J	UJ
1,2-Dichloroethane	10		510 J	470			2 J	23,000 J	22,000 J
2-Butanone	10				10 U		10 U	UJ	UJ
1,1,1-Trichloroethane	10							UJ	UJ
Carbon Tetrachloride	10							UJ	UJ
Bromodichloromethane	10							UJ	UJ
1,1,2,2-Tetrachloroethane	10							27,000 J	27,000 J
1,2-Dichloropropane	10		UJ	UJ				UJ	UJ
trans-1,3-Dichloropropene	10							UJ	UJ
Trichloroethene	10	1 J	6 J	50 U		2 J		4500 J	4500 J
Dibromochloromethane	10							UJ	UJ
1,1,2-Trichloroethane	10							UJ	UJ
Benzene	10		230 J	220	UJ		7 J	30,000 J	28,000 J
cis-1,3-Dichloropropene	10							UJ	UJ
Bromoform	10							UJ	UJ
2-Hexanone	10				UJ		UJ	UJ	UJ
4-Methyl-2-Pentanone	10		UJ	UJ				UJ	UJ
Tetrachloroethene	10	10	10 U	50 U				5300 J	5000 J
Toluene	10		10 U					1400 J	1200 J
Chlorobenzene	10		14 J	13 J			4 J	520 J	UJ
Ethylbenzene	10		UJ					UJ	UJ
Styrene	10		UJ					UJ	UJ
Total Xylenes	10		UJ					UJ	UJ
Quantitation Limit Multiplier		1	1	5	1	1	1	500	500
Date of Sample Collection		11/03/92	11/03/92	11/03/92	10/26/92	10/27/92	10/27/92	11/02/92	11/02/92
Date Sample Received by Laboratory		11/04/92	11/04/92	11/04/92	10/28/92	10/28/92	10/28/92	11/04/92	11/04/92
Date of Sample Analysis		11/12/92	11/12/92	11/12/92	11/05/92	11/07/92	11/05/92	11/12/92	11/12/92
Instrument Used for Analysis		OWA-1050	OWA-1050	OWA-1050	MS-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050

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ROUND 1

TENTATIVELY IDENTIFIED COMPOUNDS
VOLATILES

TENTATIVELY IDENTIFIED COMPOUNDS								
ERM-Midwest Sample Number	RNS-GW-D16-208	RNS-GW-C-S	RNS-GW-CUB	RNS-GW-DVF2	RNS-GW-DVF3	RNS-GW-D16	RNS-GW-DLB	RNS-GW-DVF1
Laboratory Sample Number	V015	V005	V006	V020	V019	V013	V018	V010
Remarks								
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE TICS								
3-METHYL-PENTANE (4.33)			3 J					
C6H12 ISOMER (5.50)			16 J					
3-METHYL-PENTANE (4.20)							13 J	
C6H12 ISOMER (5.325)								
3-METHYLPENTANE(4.22)								
UNKNOWN (4.18)								
UNKNOWN (3.55)								
UNKNOWN (4.21)								
UNKNOWN (5.27)								

TENTATIVELY IDENTIFIED COMPOUNDS								
ERM-Midwest Sample Number	RNS-GW-E-VF3	RNS-GW-E-VF2	RNS-G[illegible]F4	RNS-GW-E-VF5	RNS-GW-E-VFB-103	RNS-GW-I-I	RNS-GW-I-S	[illegible]GW-I-UB
Laboratory Sample Number	V012	V011	V022	V014	V028	V002	V001	V003
Remarks				Duplicate of RNS-GW-E-VF3	Field Blank			
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE TICS								
3-METHYL-PENTANE (4.33)								
C6H12 ISOMER (5.50)								
3-METHYL-PENTANE (4.20)								
C6H12 ISOMER (5.325)								
3-METHYLPENTANE(4.22)								
UNKNOWN (4.18)								
UNKNOWN (3.55)								
UNKNOWN (4.21)								
UNKNOWN (5.27)								

TENTATIVELY IDENTIFIED COMPOUNDS							
ERM-Midwest Sample Number	RNS-GW-IL-B	RNS-GW-IUB-207	RNS-GW-K-LB	RNS-GW-K-VF2	RNS-GW-K-VF3	RNS-GW-K-V-F5	RNS-GW-C-LB
Laboratory Sample Number	V009	V004	V007	V016	V017	V008	V021
Remarks		Trip Blank					
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE TICS							
3-METHYL-PENTANE (4.33)							
C6H12 ISOMER (5.50)							
3-METHYL-PENTANE (4.20)			18 J				
C6H12 ISOMER (5.325)			5 J				
3-METHYLPENTANE(4.22)					6 J		
UNKNOWN (4.18)						6 J	
UNKNOWN (3.55)							214 J
UNKNOWN (4.21)							2528 J
UNKNOWN (5.27)							668 J

VOLATILE OR NIC ANALYSIS							
ERM-MW Sample Number	RNS-GW-E-LB	RNS-GW-F-VF4	RNS-GW-F-VF3	RNS-GW-H-UB	RNS-GW-HS	RNS-GW-H-VF1	RNS-GW-FVF6
Laboratory Sample Number	V025	VO26	V027	V029	V030	V031	V032
Remarks							
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE TICS							
UNKNOWN HYDROCARBONS (3.58)			21 J				92 J
UNKNOWN (4.22)			350 J				
3-METHYLPENTANE (4.20)							120 J
UNKNOWN (5.325)			62 J				230 J
3-METHYLPENTANE+HYDROCARBON (4.22)							
UNKNOWN HYDROCARBON (4.18)							
UNKNOWN HYDROCARBON, ALKENE (3.55)							
UNKNOWN HYDROCARBON,N-AROMATIC (4.21)							
UNKNOWN HYDROCARBON,N-AROMATIC (5.27)							
FLOUROTRIMETHYLSILANE (1.12)							
C6-HYDROCARBON (5.27)							

VOLATILE OR[illegible]NIC ANALYSIS							
ERM-MW San[illegible] Number Laboratory Sample Number	RNS-GW-FLB V033	RNS-GW-D10 V034	R[illegible]-GW-D10-209 V035	RNS-GW-AUB V036	RNS-GW-AS V037	RNS-GW-AVF1 V038	RN[illegible]-GW-BS V039
Remarks			Trip Blank			Duplicate of RNS-GW-AUB	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE TICS							
UNKNOWN HYDROCARBONS (3.58)	29 J						
UNKNOWN (4.22)							
3-METHYLPENTANE (4.20)	500 J						
UNKNOWN (5.325)	73 J						
3-METHYLPENTANE+HYDROCARBON (4.22)							
UNKNOWN HYDROCARBON (4.18)							
UNKNOWN HYDROCARBON, ALKENE (3.55)							
UNKNOWN HYDROCARBON,N-AROMATIC (4.21)							
UNKNOWN HYDROCARBON,N-AROMATIC (5.27)							
FLOUROTRIMETHYLSILANE (1.12)	11 R						
C6-HYDROCARBON (5.27)							

VOLATILE OR[illegible]NIC ANALYSIS							
ERM-MW Sa[illegible] Number	RNS-GW-BSDL	RNS-GW-D1	R[illegible]-GW-D1-104	RNS-GW-S9	RNS-GW-L-VF2	RNS-GW-L-VF1	RNS-[illegible]W-L-LB
Laboratory Sample Number	V039	V040	VO41	V042	V043	V044	V045
Remarks	Dilution		Field Blank				
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE TICS							
UNKNOWN HYDROCARBONS (3.58)							
UNKNOWN (4.22)							
3-METHYLPENTANE (4.20)							
UNKNOWN (5.325)							
3-METHYLPENTANE+HYDROCARBON (4.22)							
UNKNOWN HYDROCARBON (4.18)							
UNKNOWN HYDROCARBON, ALKENE (3.55)							
UNKNOWN HYDROCARBON,N-AROMATIC (4.21)							
UNKNOWN HYDROCARBON,N-AROMATIC (5.27)							
FLOUROTRIMETHYLSILANE (1.12)							
C6-HYDROCARBON (5.27)							

VOLATILE ORGANIC ANALYSIS			
ERM-MW Sample Number Laboratory Sample Number	RNS-GW-L-VF3 V046	RNS-GW-L-LB210 V047	RNS-GW-J-LB V048
Remarks	Duplicate of RNS-GW-L-VF2	Trip Blank	
Units	ug/L	ug/L	ug/L
VOLATILE TICS			
UNKNOWN HYDROCARBONS (3.58)			
UNKNOWN (4.22)			
3-METHYLPENTANE (4.20)			80 J
UNKNOWN (5.325)			
3-METHYLPENTANE+HYDROCARBON (4.22)			
UNKNOWN HYDROCARBON (4.18)			
UNKNOWN HYDROCARBON, ALKENE (3.55)			
UNKNOWN HYDROCARBON,N-AROMATIC (4.21)			
UNKNOWN HYDROCARBON,N-AROMATIC (5.27)			
FLOUROTRIMETHYLSILANE (1.12)			
C6-HYDROCARBON (5.27)			13 J

VOLATILE OR' NIC ANALYSIS

ERM-Midwest Sam, umber	RNS GW-J VF2	RNS GW-J-VF3	S GW J-VF4	RNS-GW-S-1	RNS GW J VF4-211	RNS-GW-D5	R 7-85
Laboratory Sample Number	V051	V052	V053	V054	V055	V056	V057
Remarks					Trip Blank		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE TICS							
UNKNOWN MIXTURE (1 75)				6 J			
UNKNOWN ALKANE (3.58)						61 J	
UNKNOWN MIXED ALIPHATIC HYDR (4.23)						870 J	
UNKNOWN C6 ALIPHATIC HYDROCARBON (5 33)						200 J	
UNKNOWN ALIPHATIC (1 48)							
UNKNOWN (77)							
UNKNOWN MIXED ALIPHATIC (11 65)							
UNKNOWN (11 73)							

VOLATILE OR NIC ANALYSIS							
ERM-Midwest Sam, umber Laboratory Sample Number	RNS-GW-S11 V058	RNS-GW-S10 V059	RNS-GW-D4 V060	RNS-GW-D4-RE V060	RNS-GW-S4 V061	RNS-GW-D-3 V062	RNS-GW-S-3 V063
Remarks				Reanalysis			
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE TICS							
UNKNOWN MIXTURE (1.75)							
UNKNOWN ALKANE (3.58)							
UNKNOWN MIXED ALIPHATIC HYDR (4.23)							
UNKNOWN C6 ALIPHATIC HYDROCARBON (5.33)							
UNKNOWN ALIPHATIC (1.48)		8 R		7 R	5 R	5 R	
UNKNOWN (.77)				70 J			
UNKNOWN MIXED ALIPHATIC (11.65)							
UNKNOWN (11.73)							

VOLATILE OR' NIC ANALYSIS

ERM Midwest Sam, .umber	RNS GW D-18	RNS GW D-3-212	.NS GW S14	RNS GW D7	RNS GW D7 DL	RNS GW D9	RN. W S18
Laboratory Sample Number	V064	V065	V066	V067	V067	V070	V071
Remarks	Duplicate of RNS-GW-D-3	Trip Blank					
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE TICS					Dilution		
UNKNOWN MIXTURE (1 75)							
UNKNOWN ALKANE (3 58)							
UNKNOWN MIXED ALIPHATIC HYDR (4 23)						16 J	
UNKNOWN C6 ALIPHATIC HYDROCARBON (5 33)							
UNKNOWN ALIPHATIC (1 48)		7 J	6 R	6 R	70 R	7 R	5 R
UNKNOWN (77)							
UNKNOWN MIXED ALIPHATIC (11 65)			7 J				7 J
UNKNOWN (11 73)					60 J		

VOLATILE OR NIC ANALYSIS							
ERM-Midwest Sam, umber	RNS-GW-S16-105	RNS-GW-S17	S-GW-S17-DL	RNS-GW-D8	RNS-GW-D8-DL	RNS-GW-S20	RNS-GW-S20-DL
Laboratory Sample Number	V072	V073	V073	V074	V074	V075	V075
Remarks	Field Blank				Duplicate of RNS-GW-S17	Duplicate of RNS-GW-S17	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE TICS			Dilution		Dilution		Dilution
UNKNOWN MIXTURE (1.75)							
UNKNOWN ALKANE (3.58)							
UNKNOWN MIXED ALIPHATIC HYDR (4.23)							
UNKNOWN C6 ALIPHATIC HYDROCARBON (5.33)							
UNKNOWN ALIPHATIC (1.48)	6 J	6 R	60 R		60 R		70 R
UNKNOWN (.77)							
UNKNOWN MIXED ALIPHATIC (11.65)							
UNKNOWN (11.73)							

VOLATILE ORGANIC ANALYSIS									
ERM-Midwest Sample Number	RNS-GW-S13	RNS-GW-S13DL	RNS-GW-S2	RNS-GW-D14	RNS-GW-D19	RNS-GW-D14-213	RNS-GW-S15	RNS-GW-D17	RNS-GW-D15
Laboratory Sample Number	V076	V076	V077	V078	V079	V080	V081	V083	V086
Remarks					Duplicate of RNS-GW-D-14	Trip Blank			
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE TICS		Dilution							
UNKNOWN ALIPHATIC HYDROCARB (4 20)				7 J	37 J				
UNKNOWN SILANE - COLUMN BLEED (1 13)					7 R				
UNKNOWN ALIPHATIC HYDROCARB (5 28)					7 J				
UNKNOWN BENZOYL (1.38)								5 J	
UNKNOWN FLUORINATED AROMATIC (4 40)									
UNKNOWN ALKYLBENZENE C8H10 (14.53)									
HYDROCHLORIC ACID (1 38)									

VOLATILE ORGANIC ANALYSIS									
ERM-Midwest Sample Number Laboratory Sample Number	RNS-GW-D15DL V086	RNS-GW-D17-214 V087	RNS-GW-S8 V088	RNS-GW-S8DL V088	RNS-GW-D2 V089	RNS-GW-D12 V090	RNS-GW-D12DL V090	RNS-GW-S21 V091	RNS-GW-S21DL V091
Remarks		Trip Blank						Duplicate of RNS-GW-D12	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE TICS	Dilution			Dilution			Dilution		Dilution
UNKNOWN ALIPHATIC HYDROCARB (4.20)									
UNKNOWN SILANE - COLUMN BLEED (1.13)									
UNKNOWN ALIPHATIC HYDROCARB (5.28)									
UNKNOWN BENZOYL (1.38)									
UNKNOWN FLUORINATED AROMATIC (4.40)									
UNKNOWN ALKYLBENZENE C8H10 (14.53)									
HYDROCHLORIC ACID (1.38)									

VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS GW-S7	RNS GW-D11	RNS-GW-D11DL	RNS GW-D13	RNS-GW-S7-108	RNS-GW-D8
Laboratory Sample Number	V092	V093	V093	V094	V095	V097
Remarks					Field Blank	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE TICS			Dilution			
UNKNOWN ALIPHATIC HYDROCARB (4.20)				19 J		
UNKNOWN SILANE - COLUMN BLEED (1 13)						
UNKNOWN ALIPHATIC HYDROCARB (5 28)				6 J		
UNKNOWN BENZOYL (1 38)						
UNKNOWN FLUORINATED AROMATIC (4.40)		4 J				
UNKNOWN ALKYLBENZENE C8H10 (14 53)		7 J				
HYDROCHLORIC ACID (1 38)				25 R		

VOLATILE OR NIC ANALYSIS								
Sample Number Laboratory Sample Number	RNS-GW-GUB V101	RNS-GW-RW1 V106	RNS-GW-RW[illegible] V108	RNS-GW-RW1-215 V107	RNS-GW-S12 V082	RNS-GW-S12-RE V082	RNS-GW-S18 V104	[illegible]S-GW-S18-209 V109
Remarks						Reextraction		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE TICS UNKNOWN ALIPHATIC HYDROCARB (7.48)						2500 J		
THIOBIS-METHANE (2.40)								

VOLATILE OF NIC ANALYSIS

Sample Number	RNS-GW-S19	RNS-GW-S22	RNS-GW-S8	RNS-GW-S8-DL	RNS-GW-T1	RNS-GW-T2	RNS-GW-T2-DL
Laboratory Sample Number	V100	V105	V096	V096	V098	V099	V099
Remarks		Duplicate of RNS-GW-S18		Dilution			Dilution
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE TICS							
UNKNOWN ALIPHATIC HYDROCARB (7.48)							
THIOBIS-METHANE (2.40)			360				

RUETGERS-NEASE CHEMICAL COMPANY, INC.
SALEM, OHIO
ROUND 1 GROUNDWATER RESULTS

Semivolatile Compounds

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-S1	GW-S2	GW-S2RE	GW-S3	GW-S4	GW-S6	GW-S6DL
Laboratory Sample Number		S054	S077	S077RE	S063	S061	S096RE	S096D
Remarks				Re-extraction			Reanalysis	Dilution
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)							
Phenol	10	2 J	10 U	10 J	4 J		240 J	22 J
bis(2-Chloroethyl)ether	10		UJ	R			R	R
2-Chlorophenol	10			R			18 J	R
1,3-Dichlorobenzene	10		UJ	R			R	R
1,4-Dichlorobenzene	10		UJ	R			38 J	R
1,2-Dichlorobenzene	10		UJ	R			1100 J	670 J
2-Methylphenol	10			R			25 J	R
2,2-Oxybis(1-Chloropropane)	10		UJ	R			R	R
4-Methylphenol	10			R			42 J	R
N-Nitroso-di-n-Propylamine	10		UJ	R			R	R
Hexachloroethane	10		UJ	R			R	R
Nitrobenzene	10		UJ	R			R	R
Isophorone	10		UJ	R			R	R
2-Nitrophenol	10			R			R	R
2,4-Dimethylphenol	10			1 J			R	R
bis(2-Chloroethoxy)methane	10		UJ	R			R	R
2,4-Dichlorophenol	10			R			5 J	R
1,2,4-Trichlorobenzene	10		UJ	R			R	R
Naphthalene	10		UJ	R			7 J	R
4-Chloroaniline	10		UJ	R			R	R
Hexachlorobutadiene	10		UJ	R			R	R
4-Chloro-3-Methylphenol	10			R			R	R
2-Methylnaphthalene	10		UJ	R			R	R
Hexachlorocyclopentadiene	10		UJ	R			R	R
2,4,6-Trichlorophenol	10			R			R	R
2,4,5-Trichlorophenol	25			R			R	R
2-Chloronaphthalene	10		UJ	R			R	R
2-Nitroaniline	25		UJ	R			15 J	R
Dimethylphthalate	10		UJ	R			R	R
Acenaphthylene	10		UJ	R			R	R
3-Nitroaniline	25		UJ	R			R	R
Acenaphthene	10		UJ	R			R	R
2,4-Dinitrophenol	25		UJ	R	UJ		R	R
4-Nitrophenol	25			R			R	R
Dibenzofuran	10		UJ	R			R	R
2,4-Dinitrotoluene	10		UJ	R			R	R
2,6-Dinitrotoluene	10		UJ	R			R	R
Diethylphthalate	10		UJ	R			R	R
4-Chlorophenylphenylether	10		UJ	R			R	R
Fluorene	10		UJ	R			R	R
4-Nitroaniline	25		UJ	R			R	R
4,6-Dinitro-2-Methylphenol	25		UJ	R			R	R
N-Nitrosodiphenylamine	10		UJ	R			R	R
4-Bromophenylphenylether	10		UJ	R			R	R
Hexachlorobenzene	10		UJ	R			R	R
Pentachlorophenol	25			R			R	R
Phenanthrene	10		UJ	R			R	R
Anthracene	10		UJ	R			R	R
Carbazole	10		UJ	R			R	R
Di-n-Butylphthalate	10		UJ	R	10 U		R	R
Fluoranthene	10		UJ	R			R	R
Pyrene	10		UJ	R			R	R
Butylbenzylphthalate	10		UJ	R			R	R
3,3'-Dichlorobenzidine	10		UJ	R	UJ		R	R
Benzo(a)anthracene	10		UJ	R			R	R
bis(2-Ethylhexyl)phthalate	10	10 U	10 U	10 U	10 U	10 U	10 U	R
Chrysene	10		UJ	R			R	R

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-S1	GW-S2	GW-S2RE	GW-S3	GW-S4	GW-S6	GW-S6DL
Laboratory Sample Number		S054	S077	S077RE	S063	S061	S096RE	S096D
Remarks				Re-extraction			Reanalysis	Dilution
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Di-n-Octyl/Di-n-Octylphthalate	10		UJ	R			R	R
Benzo(b)fluoranthene	10		UJ	R			R	R
Benzo(k)fluoranthene	10		UJ	R			R	R
Benzo(a)pyrene	10		UJ	R			R	R
Indeno(1,2,3-cd)pyrene	10		UJ	R			R	R
Dibenz(a,h)anthracene	10		UJ	R			R	R
Benzo(g,h,i)perylene	10		UJ	R			R	R
3,4-Dichloronitrobenzene	10		UJ	R			R	R
Diphenylsulfone	50		UJ	R			880 J	260 J
Quantitation Limit Multiplier		1.0	1.0	1.0	1.0	1.0	1.00	20.0
Date of Sample Collection		10/27/92	11/02/92	11/02/92	10/28/92	10/27/92	11/03/92	11/03/92
Date Sample Received by Lab		10/28/92	11/03/92	11/03/92	10/29/92	10/28/92	11/05/92	11/05/92
Date Sample Extracted		10/30/92	11/05/92	11/17/92	10/30/92	10/30/92	11/23/92	11/23/92
Date of Sample Analysis		11/09/92	11/11/92	12/16/92	11/10/92	11/10/92	12/02/92	12/03/92
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-S7	GW-S7DL	GW-S7-106	GW-S8	GW-S8DL	GW-S9	GW-S10
Laboratory Sample Number		S092	S092D	S095	S088	S088D	S042	S059
Remarks				Field Blank		Dilution		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)							
Phenol	10	10 U			10 U			
bis(2-Chloroethyl)ether	10							
2-Chlorophenol	10							
1,3-Dichlorobenzene	10							
1,4-Dichlorobenzene	10	1 J			4 J			
1,2-Dichlorobenzene	10	66	73	2 J	380 J	950		
2-Methylphenol	10							
2,2-Oxybis(1-Chloropropane)	10		UJ	UJ				
4-Methylphenol	10							
N-Nitroso-di-n-Propylamine	10							
Hexachloroethane	10							
Nitrobenzene	10							
Isophorone	10							
2-Nitrophenol	10							
2,4-Dimethylphenol	10							
bis(2-Chloroethoxy)methane	10							
2,4-Dichlorophenol	10	1 J						
1,2,4-Trichlorobenzene	10							
Naphthalene	10							
4-Chloroaniline	10							
Hexachlorobutadiene	10							
4-Chloro-3-Methylphenol	10							
2-Methylnaphthalene	10							
Hexachlorocyclopentadiene	10	UJ	UJ	UJ	UJ	UJ		
2,4,6-Trichlorophenol	10							
2,4,5-Trichlorophenol	25							
2-Chloronaphthalene	10							
2-Nitroaniline	25	5 R			28 R			
Dimethylphthalate	10							
Acenaphthylene	10							
3-Nitroaniline	25							
Acenaphthene	10							
2,4-Dinitrophenol	25	UJ	UJ	UJ	UJ	UJ		
4-Nitrophenol	25		UJ	UJ				
Dibenzofuran	10							
2,4-Dinitrotoluene	10							
2,6-Dinitrotoluene	10							
Diethylphthalate	10							
4-Chlorophenylphenylether	10							
Fluorene	10							
4-Nitroaniline	25							
4,6-Dinitro-2-Methylphenol	25	UJ			UJ	UJ		
N-Nitrosodiphenylamine	10							
4-Bromophenylphenylether	10							
Hexachlorobenzene	10							
Pentachlorophenol	25							
Phenanthrene	10							
Anthracene	10							
Carbazole	10							
Di-n-Butylphthalate	10							
Fluoranthene	10							
Pyrene	10							
Butylbenzylphthalate	10							
3,3'-Dichlorobenzidine	10				UJ			
Benzo(a)anthracene	10							
bis(2-Ethylhexyl)phthalate	10	10 U			10 U		12 U	10 U
Chrysene	10							

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-S7	GW-S7DL	GW-S7-106	GW-S8	GW-S8DL	GW-S9	GW-S
Laboratory Sample Number		S092	S092D	S095	S088	S088D	S042	S059
Remarks				Field Blank		Dilution		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Di-n-Octy/Di-n-Octylphthalate	10					UJ		
Benzo(b)fluoranthene	10					UJ		
Benzo(k)fluoranthene	10					UJ		
Benzo(a)pyrene	10					UJ		
Indeno(1,2,3-cd)pyrene	10					UJ		
Dibenz(a,h)anthracene	10					UJ		
Benzo(g,h,i)perylene	10					UJ		
3,4-Dichloronitrobenzene	10							
Diphenylsulfone	50	160 J	190		4 J			
Quantitation Limit Multiplier		1.0	4.0	1.0	1.0	20	1.00	1.0
Date of Sample Collection		11/03/92	11/03/92	11/03/92	11/03/92	11/03/92	10/26/92	10/27/92
Date Sample Received by Lab		11/04/92	11/04/92	11/04/92	11/04/92	11/04/92	10/28/92	10/28/92
Date Sample Extracted		11/05/92	11/05/92	11/09/92	11/05/92	11/05/92	10/30/92	10/30/92
Date of Sample Analysis		11/13/92	11/17/92	11/17/92	11/12/92	11/13/92	11/06/92	11/10/92
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-S11	GW-S11-DL	GW-S12	GW-S12RE	GW-S13	GW-S13DL	GW-S14	GW-S15
Laboratory Sample Number		S058	S058D	S082	S082	S076	S076D	S066	S081
Remarks					Reanalysis		Dilution		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)		Dilution						
Phenol	10			R	R	10	9 J		
bis(2-Chloroethyl)ether	10			R	R				
2-Chlorophenol	10			R	R	1 R			
1,3-Dichlorobenzene	10			R	R	5 J			
1,4-Dichlorobenzene	10			R	R	5 J			
1,2-Dichlorobenzene	10	2 J		R	R	360 J	740	3 J	14 U
2-Methylphenol	10			44 J	48 J				
2,2-Oxybis(1-Chloropropane)	10			R	R				
4-Methylphenol	10			R	R				
N-Nitroso-di-n-Propylamine	10			R	R				
Hexachloroethane	10			R	R				
Nitrobenzene	10			78 J	R				
Isophorone	10			R	R				
2-Nitrophenol	10			R	R				
2,4-Dimethylphenol	10			2 J	R				
bis(2-Chloroethoxy)methane	10			R	R				
2,4-Dichlorophenol	10			87 J	R				
1,2,4-Trichlorobenzene	10			R	R				
Naphthalene	10			R	R				
4-Chloroaniline	10			R	R				
Hexachlorobutadiene	10			R	R				
4-Chloro-3-Methylphenol	10			R	R	UJ			
2-Methylnaphthalene	10			R	R				
Hexachlorocyclopentadiene	10			R	R		UJ		
2,4,6-Trichlorophenol	10			R	R				
2,4,5-Trichlorophenol	25			R	R				
2-Chloronaphthalene	10			R	R				
2-Nitroaniline	25			R	7 J				
Dimethylphthalate	10			R	R				
Acenaphthylene	10			R	R				
3-Nitroaniline	25			R	14 J				
Acenaphthene	10			R	R				
2,4-Dinitrophenol	25		UJ	R	R	UJ	UJ	UJ	UJ
4-Nitrophenol	25			R	R				
Dibenzofuran	10			R	R				
2,4-Dinitrotoluene	10			R	R				
2,6-Dinitrotoluene	10			R	14 J				
Diethylphthalate	10			R	R				
4-Chlorophenylphenylether	10			R	R				
Fluorene	10			R	R				
4-Nitroaniline	25			R	R				
4,6-Dinitro-2-Methylphenol	25			R	R	UJ	UJ		UJ
N-Nitrosodiphenylamine	10			R	R				
4-Bromophenylphenylether	10			R	R				
Hexachlorobenzene	10			R	R				
Pentachlorophenol	25			R	R				
Phenanthrene	10			R	R				
Anthracene	10			R	R				
Carbazole	10			R	R	1 J			
Di-n-Butylphthalate	10			R	R				
Fluoranthene	10			R	R				
Pyrene	10			R	R				
Butylbenzylphthalate	10			R	R				
3,3'-Dichlorobenzidine	10		UJ	R	R		UJ	UJ	
Benzo(a)anthracene	10			R	R				
bis(2-Ethylhexyl)phthalate	10	10 U		10 U	10 U	10 U		10 U	
Chrysene	10			R	R				

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-S11	GW-S11-DL	GW-S12	GW-S12RE	GW-S13	GW-S13DL	GW-S14	GW-S
Laboratory Sample Number		S058	S058D	S082	S082	S076	S076D	S066	S08
Remarks					Reanalysis		Dilution		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Di-n-Octy/Di-n-Octylphthalate	10			R	R				
Benzo(b)fluoranthene	10			R	R				
Benzo(k)fluoranthene	10			R	R				
Benzo(a)pyrene	10			R	R				
Indeno(1,2,3-cd)pyrene	10			R	R				
Dibenz(a,h)anthracene	10			R	R				
Benzo(g,h,i)perylene	10			R	R				
3,4-Dichloronitrobenzene	10			R	R				
Diphenylsulfone	50	470 J	1000	3 J	R	250 J	350	4 J	2 J
Quantitation Limit Multiplier		1.0	40	1.00	1.00	1.0	10	1.0	1.0
Date of Sample Collection		10/27/92	10/27/92	11/02/92	11/02/92	11/02/92	11/02/92	10/28/92	11/02/92
Date Sample Received by Lab		10/28/92	10/28/92	11/03/92	11/03/92	11/03/92	11/03/92	10/29/92	11/03/92
Date Sample Extracted		10/30/92	10/30/92	11/05/92	11/17/92	11/05/92	11/05/92	11/03/92	11/05/92
Date of Sample Analysis		11/10/92	11/11/92	11/12/92	12/17/92	11/11/92	11/13/92	11/10/92	11/12/92
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-S16	GW-S16-105	GW-S17	GW-S17-DL	GW-S20	GW-S20-DL	GW-S18
Laboratory Sample Number		S071	S072	S073	S073D	S075	S075D	S104
Remarks			Field Blank			Dup. of RNS-GW-S1	Dup. of RNS-GW-S1	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)				Dilution		Dilution	
Phenol	10	2 J		2 J		2 J		R
bis(2-Chloroethyl)ether	10							R
2-Chlorophenol	10							R
1,3-Dichlorobenzene	10							R
1,4-Dichlorobenzene	10			8 J		9 J		R
1,2-Dichlorobenzene	10			520 J	1400	550 J	1500	R
2-Methylphenol	10							R
2,2-Oxybis(1-Chloropropane)	10							R
4-Methylphenol	10							R
N-Nitroso-di-n-Propylamine	10							R
Hexachloroethane	10							R
Nitrobenzene	10							R
Isophorone	10							R
2-Nitrophenol	10							R
2,4-Dimethylphenol	10							R
bis(2-Chloroethoxy)methane	10							R
2,4-Dichlorophenol	10							R
1,2,4-Trichlorobenzene	10							R
Naphthalene	10							R
4-Chloroaniline	10							R
Hexachlorobutadiene	10							R
4-Chloro-3-Methylphenol	10							R
2-Methylnaphthalene	10							R
Hexachlorocyclopentadiene	10				UJ		UJ	R
2,4,6-Trichlorophenol	10							R
2,4,5-Trichlorophenol	25							R
2-Chloronaphthalene	10							R
2-Nitroaniline	25							R
Dimethylphthalate	10							R
Acenaphthylene	10							R
3-Nitroaniline	25							R
Acenaphthene	10							R
2,4-Dinitrophenol	25	UJ	UJ	UJ	UJ	UJ	UJ	R
4-Nitrophenol	25							R
Dibenzofuran	10							R
2,4-Dinitrotoluene	10							R
2,6-Dinitrotoluene	10							R
Diethylphthalate	10							R
4-Chlorophenylphenylether	10							R
Fluorene	10							R
4-Nitroaniline	25							R
4,6-Dinitro-2-Methylphenol	25			UJ	UJ	UJ	UJ	R
N-Nitrosodiphenylamine	10							R
4-Bromophenylphenylether	10							R
Hexachlorobenzene	10							R
Pentachlorophenol	25							R
Phenanthrene	10							R
Anthracene	10							R
Carbazole	10							R
Di-n-Butylphthalate	10							R
Fluoranthene	10							R
Pyrene	10							R
Butylbenzylphthalate	10							R
3,3'-Dichlorobenzidine	10	UJ	UJ					R
Benzo(a)anthracene	10							R
bis(2-Ethylhexyl)phthalate	10	10 U	1 J	10 U		10 U		10 U
Chrysene	10							R

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RINS -	GW-S16	GW-S16-105	GW-S17	GW-S17-DL	GW-S20	GW-S20-DL	GW-S18
Laboratory Sample Number		S071	S072	S073	S073D	S075	S075D	S104
Remarks			Field Blank			Dup. of RINS-GW-S1	Dup. of RINS-GW-S1	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Di-n-Octyl/Di-n-Octylphthalate	10							R
Benzo(b)fluoranthene	10							R
Benzo(k)fluoranthene	10							R
Benzo(a)pyrene	10							R
Indeno(1,2,3-cd)pyrene	10							R
Dibenz(a,h)anthracene	10							R
Benzo(g,h,i)perylene	10							R
3,4-Dichloronitrobenzene	10							R
Diphenylsulfone	50			530 J	970	550 J	980	R
Quantitation Limit Multiplier		1.0	1.0	1.0	20	1.0	20	1.00
Date of Sample Collection		10/28/92	10/28/92	11/02/92	11/02/92	11/02/92	11/02/92	11/04/92
Date Sample Received by Lab		10/29/92	10/29/92	11/03/92	11/03/92	11/03/92	11/03/92	11/05/92
Date Sample Extracted		11/03/92	11/03/92	11/05/92	11/05/92	11/05/92	11/05/92	12/07/92
Date of Sample Analysis		11/11/92	11/11/92	11/11/92	11/13/92	11/11/92	11/13/92	12/10/92
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-S22	GW-S22RE	GW-S19	GW-S19DL	GW-D1	GW-D1-104
Laboratory Sample Number		S105	S105RA	S100	S100D	S040	S041
Remarks		Dup. of RNS-GW-S1	Reanalysis		Dilution		Field Blank
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
Phenol	10	39 J	9 J	17			
bis(2-Chloroethyl)ether	10	R	R				
2-Chlorophenol	10	R	R				
1,3-Dichlorobenzene	10	R	R	1 J			
1,4-Dichlorobenzene	10	93 J	90 J	1 J			
1,2-Dichlorobenzene	10	1700 J	1800 J	200 J	350 J		
2-Methylphenol	10	3 J	3 J				
2,2-Oxybis(1-Chloropropane)	10	R	R	UJ			
4-Methylphenol	10	R	R	2 J			
N-Nitroso-di-n-Propylamine	10	R	R				
Hexachloroethane	10	27 J	24 J				
Nitrobenzene	10	R	120 J				
Isophorone	10	R	R				
2-Nitrophenol	10	R	R				
2,4-Dimethylphenol	10	R	R				
bis(2-Chloroethoxy)methane	10	R	R				
2,4-Dichlorophenol	10	210 J	220 J				
1,2,4-Trichlorobenzene	10	R	R				
Naphthalene	10	R	R				
4-Chloroaniline	10	R	R				
Hexachlorobutadiene	10	R	R				
4-Chloro-3-Methylphenol	10	660 J	R				
2-Methylnaphthalene	10	R	R				
Hexachlorocyclopentadiene	10	R	R	UJ	UJ		
2,4,6-Trichlorophenol	10	R	R				
2,4,5-Trichlorophenol	25	R	R				
2-Chloronaphthalene	10	R	R				
2-Nitroaniline	25	R	R				
Dimethylphthalate	10	R	R				
Acenaphthylene	10	R	R				
3-Nitroaniline	25	R	R		UJ		
Acenaphthene	10	R	R				
2,4-Dinitrophenol	25	R	R	UJ			
4-Nitrophenol	25	R	R	UJ	UJ		
Dibenzofuran	10	R	R				
2,4-Dinitrotoluene	10	R	R				
2,6-Dinitrotoluene	10	R	64 J				
Diethylphthalate	10	R	R				
4-Chlorophenylphenylether	10	R	R				
Fluorene	10	R	R				
4-Nitroaniline	25	R	R	UJ	UJ		
4,6-Dinitro-2-Methylphenol	25	R	R	UJ			
N-Nitrosodiphenylamine	10	R	R				
4-Bromophenylphenylether	10	R	R				
Hexachlorobenzene	10	R	R				
Pentachlorophenol	25	R	R				
Phenanthrene	10	R	R				
Anthracene	10	R	R				
Carbazole	10	R	15 J				
Di-n-Butylphthalate	10	R	R				
Fluoranthene	10	R	R				
Pyrene	10	R	R				
Butylbenzylphthalate	10	R	R				
3,3'-Dichlorobenzidine	10	R	R		UJ	UJ	UJ
Benzo(a)anthracene	10	R	R				
bis(2-Ethylhexyl)phthalate	10	R	R	10 U		10 U	5 J
Chrysene	10	R	R				

EXTRACTABLE ORGANIC ANALYSIS

EPM-Midwest Sample Number	RINS -	GW-S22	GW-S22RE	GW-S19	GW-S19DL	GW-D1	GW-D1-104
Laboratory Sample Number		S105	S105RA	S100	S100D	S040	S041
Remarks		Dup of RINS-GW-S1	Reanalysis		Dilution		Field Blank
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Di-n-Octyl/Di-n-Octylphthalate	10	R	R		UJ		
Benzo(b)fluoranthene	10	R	R				
Benzo(k)fluoranthene	10	R	R				
Benzo(a)pyrene	10	R	R				
Indeno(1,2,3-cd)pyrene	10	R	R	UJ			
Dibenz(a,h)anthracene	10	R	R	UJ	UJ		
Benzo(g,h,i)perylene	10	R	R				
3,4-Dichloronitrobenzene	10	R	R				
Diphenylsulfone	50	930 J	790 J	1000 J	2500	3 J	
Quantitation Limit Multiplier		1.00	1.00	1.00	100	1.00	1.00
Date of Sample Collection		11/04/92	11/04/92	11/04/92	11/04/92	10/26/92	10/26/92
Date Sample Received by Lab		11/05/92	11/05/92	11/05/92	11/05/92	10/27/92	10/27/92
Date Sample Extracted		11/09/92	11/09/92	11/09/92	11/09/92	10/27/92	10/27/92
Date of Sample Analysis		12/10/92	12/17/92	11/19/92	12/16/92	11/05/92	11/06/92
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-D2	GW-D2DL	GW-D3	GW-D18	GW-D4	GW-D5	GW-D6
Laboratory Sample Number		S089	S089D	S062	S064	S060	S056	S097
Remarks			Dilution		Dup. of RNS-GW-D3			
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)							
Phenol	10	10 U		1 J	2 J	14		7 J
bis(2-Chloroethyl)ether	10							
2-Chlorophenol	10							
1,3-Dichlorobenzene	10							
1,4-Dichlorobenzene	10	1 J						4 J
1,2-Dichlorobenzene	10	100 J	140	8 J	11			270 J 570 1
2-Methylphenol	10							
2,2-Oxybis(1-Chloropropane)	10		UJ					
4-Methylphenol	10							
N-Nitroso-di-n-Propylamine	10							
Hexachloroethane	10							
Nitrobenzene	10							
Isophorone	10							
2-Nitrophenol	10							
2,4-Dimethylphenol	10							
bis(2-Chloroethoxy)methane	10							
2,4-Dichlorophenol	10							2 J
1,2,4-Trichlorobenzene	10							
Naphthalene	10							1 J
4-Chloroaniline	10							
Hexachlorobutadiene	10							
4-Chloro-3-Methylphenol	10							
2-Methylnaphthalene	10							
Hexachlorocyclopentadiene	10	UJ	UJ					UJ
2,4,6-Trichlorophenol	10							
2,4,5-Trichlorophenol	25							
2-Chloronaphthalene	10							
2-Nitroaniline	25							
Dimethylphthalate	10							
Acenaphthylene	10							
3-Nitroaniline	25							UJ
Acenaphthene	10							
2,4-Dinitrophenol	25	UJ	UJ	UJ	UJ			UJ
4-Nitrophenol	25		UJ					UJ
Dibenzofuran	10							
2,4-Dinitrotoluene	10							
2,6-Dinitrotoluene	10							
Diethylphthalate	10							
4-Chlorophenylphenylether	10							
Fluorene	10							
4-Nitroaniline	25							UJ
4,6-Dinitro-2-Methylphenol	25	UJ						UJ
N-Nitrosodiphenylamine	10							
4-Bromophenylphenylether	10							
Hexachlorobenzene	10							
Pentachlorophenol	25							
Phenanthrene	10							
Anthracene	10							
Carbazole	10							
Di-n-Butylphthalate	10				10 U			
Fluoranthene	10							
Pyrene	10							
Butylbenzylphthalate	10							
3,3'-Dichlorobenzidine	10			UJ	UJ			UJ
Benzo(a)anthracene	10							
bis(2-Ethylhexyl)phthalate	10	10 U		10 U	10 U	10 U	10 U	
Chrysene	10							

EXTRACTABLE ORGANIC ANALYSIS

EPM-Midwest Sample Number	RNS -	GW-D2	GW-D2DL	GW-D3	GW-D18	GW-D4	GW-D5	GW-D6
Laboratory Sample Number		S089	S089D	S062	S064	S060	S056	S097
Remarks			Dilution		Dup. of RNS-GW-D3			
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Di-n-Octyl/Di-n-Octylphthalate	10							UJ
Benzo(b)fluoranthene	10							
Benzo(k)fluoranthene	10							UJ
Benzo(a)pyrene	10							
Indeno(1,2,3-cd)pyrene	10							
Dibenz(a,h)anthracene	10							UJ
Benzo(g,h,i)perylene	10							
3,4-Dichloronitrobenzene	10							
Diphenylsulfone	50	250 J	340	23 J	14 J			170 J
Quantitation Limit Multiplier		1.0	10	1.0	1.0	1.0	1.0	1.0
Date of Sample Collection		11/03/92	11/03/92	10/28/92	10/28/92	10/27/92	10/27/92	11/03/92
Date Sample Received by Lab		11/04/92	11/04/92	10/29/92	10/29/92	10/28/92	10/28/92	11/05/92
Date Sample Extracted		11/05/92	11/05/92	10/30/92	11/03/92	10/30/92	10/30/92	11/09/92
Date of Sample Analysis		11/13/92	11/13/92	11/10/92	11/10/92	11/10/92	11/09/92	11/17/92
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-D6DL	GW-D7	GW-D7-DL	GW-D8	GW-D8DL	GW-D9	GW-D10
Laboratory Sample Number		S097D	S067	S067D	S074	S074D	S070	S034
Remarks		Dilution						
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)			Dilution		Dilution		
Phenol	10	100 U		1 J	2 J		2 J	
bis(2-Chloroethyl)ether	10							
2-Chlorophenol	10							
1,3-Dichlorobenzene	10							
1,4-Dichlorobenzene	10				4 J			
1,2-Dichlorobenzene	10	570	100 J	130	370 J	950		
2-Methylphenol	10							
2,2-Oxybis(1-Chloropropane)	10	UJ						
4-Methylphenol	10							
N-Nitroso-di-n-Propylamine	10							
Hexachloroethane	10							
Nitrobenzene	10							
Isophorone	10							
2-Nitrophenol	10							
2,4-Dimethylphenol	10							
bis(2-Chloroethoxy)methane	10							
2,4-Dichlorophenol	10							
1,2,4-Trichlorobenzene	10							
Naphthalene	10							
4-Chloroaniline	10							
Hexachlorobutadiene	10							
4-Chloro-3-Methylphenol	10							
2-Methylnaphthalene	10							
Hexachlorocyclopentadiene	10	UJ				UJ		
2,4,6-Trichlorophenol	10							
2,4,5-Trichlorophenol	25							
2-Chloronaphthalene	10							
2-Nitroaniline	25							
Dimethylphthalate	10							
Acenaphthylene	10							
3-Nitroaniline	25							
Acenaphthene	10							
2,4-Dinitrophenol	25	UJ	UJ	UJ	UJ	UJ	UJ	
4-Nitrophenol	25	UJ						
Dibenzofuran	10							
2,4-Dinitrotoluene	10							
2,6-Dinitrotoluene	10							
Diethylphthalate	10		10 U	10 U				
4-Chlorophenylphenylether	10							
Fluorene	10							
4-Nitroaniline	25	UJ						
4,6-Dinitro-2-Methylphenol	25			UJ	UJ	UJ		
N-Nitrosodiphenylamine	10							
4-Bromophenylphenylether	10							
Hexachlorobenzene	10							
Pentachlorophenol	25							
Phenanthrene	10							
Anthracene	10							
Carbazole	10							
Di-n-Butylphthalate	10						10 U	
Fluoranthene	10							
Pyrene	10							
Butylbenzylphthalate	10							
3,3'-Dichlorobenzidine	10		UJ				UJ	UJ
Benzo(a)anthracene	10							
bis(2-Ethylhexyl)phthalate	10		10 U	20 U			10 U	10 U
Chrysene	10							

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-D6DL	GW-D7	GW-D7-DL	GW-D8	GW-D8DL	GW-D9	GW-D10
Laboratory Sample Number		S097D	S067	S067D	S074	S074D	S070	S034
Remarks		Dilution						
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Di-n-Octyl/Di-n-Octylphthalate	10							
Benzo(b)fluoranthene	10							
Benzo(k)fluoranthene	10							
Benzo(a)pyrene	10							
Indeno(1,2,3-cd)pyrene	10	UJ						
Dibenz(a,h)anthracene	10	UJ						
Benzo(g,h,i)perylene	10							
3,4-Dichloronitrobenzene	10							
Diphenylsulfone	50	200 J	100 J	120	160 J	810		
Quantitation Limit Multiplier		10	1.0	2.0	1.0	20	1.0	1.00
Date of Sample Collection		11/03/92	10/28/92	10/28/92	11/02/92	11/02/92	10/28/92	10/22/92
Date Sample Received by Lab		11/05/92	10/29/92	10/29/92	11/03/92	11/03/92	10/29/92	10/23/92
Date Sample Extracted		11/09/92	11/03/92	11/03/92	11/05/92	11/05/92	11/03/92	10/27/92
Date of Sample Analysis		11/19/92	11/10/92	11/12/92	11/11/92	11/13/92	11/11/92	11/05/92
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-D11	GW-D11DL	GW-D12	GW-D12DL	GW-S21	GW-S21DL
Laboratory Sample Number		S093	S093D	S090R2	S090D	S091	S091D
Remarks			Dilution		Dilution	Dup. of RNS-GW-D12	Dup. of RNS-GW-D12
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						Dilution
Phenol	10	7 J		24 J	R	10 U	
bis(2-Chloroethyl)ether	10			R	R		
2-Chlorophenol	10			R	R		
1,3-Dichlorobenzene	10			R	R		
1,4-Dichlorobenzene	10	2 J		150 J	R	180 J	
1,2-Dichlorobenzene	10	190 J	330 J	R*	31,000 J	5300 JN	24,000 J
2-Methylphenol	10			R	R		
2,2-Oxybis(1-Chloropropane)	10		UJ	R	R		
4-Methylphenol	10			R	R		
N-Nitroso-di-n-Propylamine	10			R	R		
Hexachloroethane	10	15		260 J	470 J	210 J	320 J
Nitrobenzene	10			R	R		
Isophorone	10			R	R		
2-Nitrophenol	10			R	R		
2,4-Dimethylphenol	10			R	R		
bis(2-Chloroethoxy)methane	10			R	R		
2,4-Dichlorophenol	10	11		19 J	R	18	
1,2,4-Trichlorobenzene	10			23 J	R	18	
Naphthalene	10			22 J	R	15 J	
4-Chloroaniline	10			R	R		
Hexachlorobutadiene	10	14		66 J	R	110 J	
4-Chloro-3-Methylphenol	10			R	R		
2-Methylnaphthalene	10			R	R		
Hexachlorocyclopentadiene	10	UJ	UJ	R	R	UJ	UJ
2,4,6-Trichlorophenol	10			3 R	R		
2,4,5-Trichlorophenol	25			R	R		
2-Chloronaphthalene	10			R	R		
2-Nitroaniline	25	10 R		R	R		
Dimethylphthalate	10			R	R		
Acenaphthylene	10			R	R		
3-Nitroaniline	25			R	R		UJ
Acenaphthene	10			R	R		
2,4-Dinitrophenol	25	UJ	UJ	R	R	UJ	UJ
4-Nitrophenol	25		UJ	R	R		UJ
Dibenzofuran	10			R	R		
2,4-Dinitrotoluene	10			R	R		
2,6-Dinitrotoluene	10			R	R		
Diethylphthalate	10			R	R		
4-Chlorophenylphenylether	10			R	R		
Fluorene	10			R	R		
4-Nitroaniline	25			R	R		UJ
4,6-Dinitro-2-Methylphenol	25	UJ		R	R	UJ	UJ
N-Nitrosodiphenylamine	10			R	R		
4-Bromophenylphenylether	10			R	R		
Hexachlorobenzene	10	2 J		18 J	R	130 J	
Pentachlorophenol	25			R	R		
Phenanthrene	10			R	R		
Anthracene	10			R	R		
Carbazole	10			R	R		
Di-n-Butylphthalate	10			R	R		
Fluoranthene	10			R	R		
Pyrene	10			R	R		
Butylbenzylphthalate	10			R	R		
3,3'-Dichlorobenzidine	10			R	R		UJ
Benzo(a)anthracene	10			R	R		
bis(2-Ethylhexyl)phthalate	10	10 U		10 U	R	34 J	
Chrysene	10			R	R		

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-D11	GW-D11DL	GW-D12	GW-D12DL	GW-S21	GW-S21DL
Laboratory Sample Number		S093	S093D	S090R2	S090D	S091	S091D
Remarks			Dilution		Dilution	Dup. of RNS-GW-D12	Dup. of RNS-GW-D12
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Di-n-Octyl/Di-n-Octylphthalate	10			R	R		UJ
Benzo(b)fluoranthene	10			R	R		
Benzo(k)fluoranthene	10			R	R		UJ
Benzo(a)pyrene	10			R	R		
Indeno(1,2,3-cd)pyrene	10			R	R		
Dibenz(a,h)anthracene	10			R	R		UJ
Benzo(g,h,i)perylene	10			R	R		
3,4-Dichloronitrobenzene	10			12 J	R		
Diphenylsulfone	50	1200 J	3700 J	2400 J	13,000 J	2400 J	13,000 J
Quantitation Limit Multiplier		1.0	100	1.0	500	1.0	400
Date of Sample Collection		11/03/92	11/03/92	11/03/92	11/03/92	11/03/92	11/03/92
Date Sample Received by Lab		11/04/92	11/04/92	11/04/92	11/04/92	11/04/92	11/04/92
Date Sample Extracted		11/05/92	11/05/92	12/07/92	12/07/92	11/05/92	11/05/92
Date of Sample Analysis		11/13/92	11/17/92	12/10/92	12/16/92	11/13/92	11/18/92
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-D13	GW-D14	GW-D19	GW-D15	GW-D15DL	GW-D16	GW-D17
Laboratory Sample Number		S094	S078	S079	S086	S086D	S013	S083
Remarks				Dup. of RNS-GW-D14		Dilution		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)							
Phenol	10				10 U			10 U
bis(2-Chloroethyl)ether	10							
2-Chlorophenol	10				1 R			
1,3-Dichlorobenzene	10							
1,4-Dichlorobenzene	10				3 J			
1,2-Dichlorobenzene	10	10 U	10 U		360 J	900		58 J
2-Methylphenol	10							
2,2-Oxybis(1-Chloropropane)	10	UJ						
4-Methylphenol	10							
N-Nitroso-di-n-Propylamine	10							
Hexachloroethane	10							
Nitrobenzene	10							
Isophorone	10							
2-Nitrophenol	10							
2,4-Dimethylphenol	10							
bis(2-Chloroethoxy)methane	10							
2,4-Dichlorophenol	10				3 J			
1,2,4-Trichlorobenzene	10							
Naphthalene	10							
4-Chloroaniline	10							
Hexachlorobutadiene	10							
4-Chloro-3-Methylphenol	10							
2-Methylnaphthalene	10							
Hexachlorocyclopentadiene	10	UJ			UJ	UJ		UJ
2,4,6-Trichlorophenol	10							
2,4,5-Trichlorophenol	25							
2-Chloronaphthalene	10							
2-Nitroaniline	25				7 R			
Dimethylphthalate	10							
Acenaphthylene	10							
3-Nitroaniline	25							
Acenaphthene	10							
2,4-Dinitrophenol	25	UJ	UJ	UJ	UJ	UJ		UJ
4-Nitrophenol	25	UJ						
Dibenzofuran	10							
2,4-Dinitrotoluene	10							
2,6-Dinitrotoluene	10							
Diethylphthalate	10							
4-Chlorophenylphenylether	10							
Fluorene	10							
4-Nitroaniline	25							
4,6-Dinitro-2-Methylphenol	25		UJ	UJ	UJ	UJ		UJ
N-Nitrosodiphenylamine	10							
4-Bromophenylphenylether	10							
Hexachlorobenzene	10							
Pentachlorophenol	25							
Phenanthrene	10							
Anthracene	10							
Carbazole	10							
Di-n-Butylphthalate	10						10 U	
Fluoranthene	10							
Pyrene	10							
Butylbenzylphthalate	10	1 J						
3,3'-Dichlorobenzidine	10				UJ		UJ	UJ
Benzo(a)anthracene	10							
bis(2-Ethylhexyl)phthalate	10	10 U	10 U	10 U			23 U	10 U
Chrysene	10							

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-D13	GW-D14	GW-D19	GW-D15	GW-D15DL	GW-D16	GW-
Laboratory Sample Number		S094	S078	S079	S086	S086D	S013	S08
Remarks				Dup. of RNS-GW-D14		Dilution		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Di-n-Octyl/Di-n-Octylphthalate	10							
Benzo(b)fluoranthene	10							
Benzo(k)fluoranthene	10							
Benzo(a)pyrene	10							
Indeno(1,2,3-cd)pyrene	10							
Dibenz(a,h)anthracene	10							
Benzo(g,h,i)perylene	10							
3,4-Dichloronitrobenzene	10							
Diphenylsulfone	50	1 J			790 J	1500 J		62 J
Quantitation Limit Multiplier		1.0	1.0	1.0	1.0	50	1.00	1.0
Date of Sample Collection		11/03/92	11/02/92	11/02/92	11/03/92	11/03/92	10/21/92	11/03/92
Date Sample Received by Lab		11/04/92	11/03/92	11/03/92	11/04/92	11/04/92	10/22/92	11/04/92
Date Sample Extracted		11/09/92	11/05/92	11/05/92	11/05/92	11/05/92	10/23/92	11/05/92
Date of Sample Analysis		11/16/92	11/11/92	11/12/92	11/12/92	11/13/92	11/03/92	11/12/92
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-T1	GW-T1DL	GW-T2	GW-T2DL	GW-RW1	GW-RW1DL
Laboratory Sample Number		S098RE	S098D	S099	S099D	S106	S106D
Remarks		Reanalysis	Dilution		Dilution		Dilution
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
Phenol	10	7 J	R	11 J		10 U	
bis(2-Chloroethyl)ether	10	R	R	1 J			
2-Chlorophenol	10	3 J	R	1 J			
1,3-Dichlorobenzene	10	2 J	R	4 J		5 J	
1,4-Dichlorobenzene	10	29 J	R	65 J		100 J	
1,2-Dichlorobenzene	10	940 J	4900 J	1800 J	12,000	2000 J	14,000
2-Methylphenol	10	R	R				
2,2-Oxybis(1-Chloropropane)	10	R	R	R	UJ		
4-Methylphenol	10	16 J	R	1 J			
N-Nitroso-di-n-Propylamine	10	R	R	R			
Hexachloroethane	10	R	R	270 J	420 J	250 J	420 J
Nitrobenzene	10	R	R	11 J		14	
Isophorone	10	R	R	R			
2-Nitrophenol	10	R	R				
2,4-Dimethylphenol	10	R	R				
bis(2-Chloroethoxy)methane	10	R	R	R			
2,4-Dichlorophenol	10	1 J	R	35 J		11	
1,2,4-Trichlorobenzene	10	R	R	7 J		5 J	
Naphthalene	10	R	R	16 J		7 J	
4-Chloroaniline	10	R	R	R		UJ	
Hexachlorobutadiene	10	R	R	44 J		26	
4-Chloro-3-Methylphenol	10	R	R				
2-Methylnaphthalene	10	R	R	R		1 J	
Hexachlorocyclopentadiene	10	R	R	R	UJ		UJ
2,4,6-Trichlorophenol	10	R	R			5 J	
2,4,5-Trichlorophenol	25	R	R				
2-Chloronaphthalene	10	R	R	R			
2-Nitroaniline	25	68 J	R	22 J			
Dimethylphthalate	10	R	R	R			
Acenaphthylene	10	R	R	R			
3-Nitroaniline	25	R	R	R		UJ	UJ
Acenaphthene	10	R	R	R			
2,4-Dinitrophenol	25	R	R	UJ	UJ		
4-Nitrophenol	25	R	R	UJ	UJ	UJ	UJ
Dibenzofuran	10	R	R	R			
2,4-Dinitrotoluene	10	R	R	R			
2,6-Dinitrotoluene	10	R	R	R			
Diethylphthalate	10	R	R	R			
4-Chlorophenylphenylether	10	R	R	R			
Fluorene	10	R	R	R			
4-Nitroaniline	25	R	R	R	UJ	UJ	UJ
4,6-Dinitro-2-Methylphenol	25	R	R	UJ	UJ		
N-Nitrosodiphenylamine	10	R	R	R			
4-Bromophenylphenylether	10	R	R	R			
Hexachlorobenzene	10	R	R	6 J		5 J	
Pentachlorophenol	25	R	R				
Phenanthrene	10	R	R	R			
Anthracene	10	R	R	R			
Carbazole	10	R	R	R			
Di-n-Butylphthalate	10	R	R	R			
Fluoranthene	10	R	R	R			
Pyrene	10	R	R	R			
Butylbenzylphthalate	10	R	R	R			
3,3'-Dichlorobenzidine	10	R	R	R		UJ	UJ
Benzo(a)anthracene	10	R	R	R			
bis(2-Ethylhexyl)phthalate	10	10 U	R	R			
Chrysene	10	R	R	R			

EXTRACTABLE ORGANIC ANALYSIS

EPM-Midwest Sample Number	RNS -	GW-T1	GW-T1DL	GW-T2	GW-T2DL	GW-RW1	GW-RW1DL
Laboratory Sample Number		S098RE	S098D	S099	S099D	S106	S106D
Remarks		Reanalysis	Dilution		Dilution		Dilution
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Di-n-Octyl/Di-n-Octylphthalate	10	R	R	R		UJ	UJ
Benzo(b)fluoranthene	10	R	R	R			
Benzo(k)fluoranthene	10	R	R	R			
Benzo(a)pyrene	10	R	R	R			
Indeno(1,2,3-cd)pyrene	10	R	R	R	UJ		
Dibenz(a,h)anthracene	10	R	R	R	UJ		UJ
Benzo(g,h,i)perylene	10	R	R	R			
3,4-Dichloronitrobenzene	10	R	R	R		9 J	
Diphenylsulfone	50	59 J	66 J	2200 J	9800 J	1700 J	7300 J
Quantitation Limit Multiplier		1.00	100	1.00	400	1.00	200
Date of Sample Collection		11/04/92	11/04/92	11/04/92	11/04/92	11/04/92	11/04/92
Date Sample Received by Lab		11/05/92	11/05/92	11/05/92	11/05/92	11/05/92	11/05/92
Date Sample Extracted		11/24/92	11/24/92	11/09/92	11/09/92	11/09/92	11/09/92
Date of Sample Analysis		12/02/92	12/03/92	11/17/92	11/19/92	12/10/92	12/16/92
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-RW1-10	GW-AS	GW-AUB	GW-AVF1	GW-BS	GW-BSDL
Laboratory Sample Number		S108	S037	S036	SO38	S039	S039D
Remarks		Field Blank			Dup. of RNS-GW-AUB		Dilution
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
Phenol	10					5 J	
bis(2-Chloroethyl)ether	10						
2-Chlorophenol	10					1 J	
1,3-Dichlorobenzene	10					2 J	
1,4-Dichlorobenzene	10					30	
1,2-Dichlorobenzene	10	25				850 J	3500
2-Methylphenol	10						
2,2-Oxybis(1-Chloropropane)	10						
4-Methylphenol	10					1 J	
N-Nitroso-di-n-Propylamine	10						
Hexachloroethane	10						
Nitrobenzene	10						
Isophorone	10						
2-Nitrophenol	10						
2,4-Dimethylphenol	10						
bis(2-Chloroethoxy)methane	10						
2,4-Dichlorophenol	10						
1,2,4-Trichlorobenzene	10						
Naphthalene	10						
4-Chloroaniline	10	UJ					
Hexachlorobutadiene	10						
4-Chloro-3-Methylphenol	10						
2-Methylnaphthalene	10						
Hexachlorocyclopentadiene	10						
2,4,6-Trichlorophenol	10						
2,4,5-Trichlorophenol	25						
2-Chloronaphthalene	10						
2-Nitroaniline	25						
Dimethylphthalate	10						
Acenaphthylene	10						
3-Nitroaniline	25	UJ					
Acenaphthene	10						
2,4-Dinitrophenol	25						
4-Nitrophenol	25	UJ					
Dibenzofuran	10						
2,4-Dinitrotoluene	10						
2,6-Dinitrotoluene	10						
Diethylphthalate	10						
4-Chlorophenylphenylether	10						
Fluorene	10						
4-Nitroaniline	25	UJ					
4,6-Dinitro-2-Methylphenol	25						
N-Nitrosodiphenylamine	10						
4-Bromophenylphenylether	10						
Hexachlorobenzene	10						
Pentachlorophenol	25						
Phenanthrene	10						
Anthracene	10						
Carbazole	10						
Di-n-Butylphthalate	10						
Fluoranthene	10						
Pyrene	10						
Butylbenzylphthalate	10						
3,3'-Dichlorobenzidine	10	UJ	UJ	UJ	UJ	UJ	UJ
Benzo(a)anthracene	10						
bis(2-Ethylhexyl)phthalate	10		10 U	10 U	10 U	10 U	
Chrysene	10						

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RINS -	GW-RW1-10	GW-AS	GW-AUB	GW-AVF1	GW-BS	GW-BSDL
Laboratory Sample Number		S108	S037	S036	S038	S039	S039D
Remarks		Field Blank			Dup. of RINS-GW-AUB		Dilution
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Di-n-Octyl/Di-n-Octylphthalate	10	UJ					
Benzo(b)fluoranthene	10						
Benzo(k)fluoranthene	10						
Benzo(a)pyrene	10						
Indeno(1,2,3-cd)pyrene	10						
Dibenz(a,h)anthracene	10						
Benzo(g,h,i)perylene	10						
3,4-Dichloronitrobenzene	10						
Diphenylsulfone	50	2 J		1 J	1 J	55	58 J
Quantitation Limit Multiplier		1.00	1.00	1.00	1.00	1.00	100
Date of Sample Collection		11/04/92	10/26/92	10/26/92	10/26/92	10/26/92	10/26/92
Date Sample Received by Lab		11/05/92	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
Date Sample Extracted		11/09/92	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
Date of Sample Analysis		12/10/92	11/05/92	11/05/92	11/05/92	11/05/92	11/10/92
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-CS	GW-CUB	GW-CLB	GW-DVF2	GW-DVF3	GW-DLB
Laboratory Sample Number		S005	S006	S021	S020	S019	S018
Remarks							
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
Phenol	10			10 U			
bis(2-Chloroethyl)ether	10						
2-Chlorophenol	10						
1,3-Dichlorobenzene	10						
1,4-Dichlorobenzene	10						
1,2-Dichlorobenzene	10						
2-Methylphenol	10						
2,2-Oxybis(1-Chloropropane)	10						
4-Methylphenol	10						
N-Nitroso-di-n-Propylamine	10						
Hexachloroethane	10						
Nitrobenzene	10						
Isophorone	10						
2-Nitrophenol	10						
2,4-Dimethylphenol	10						
bis(2-Chloroethoxy)methane	10						
2,4-Dichlorophenol	10						
1,2,4-Trichlorobenzene	10						
Naphthalene	10						
4-Chloroaniline	10						
Hexachlorobutadiene	10						
4-Chloro-3-Methylphenol	10						
2-Methylnaphthalene	10						
Hexachlorocyclopentadiene	10						
2,4,6-Trichlorophenol	10						
2,4,5-Trichlorophenol	25						
2-Chloronaphthalene	10						
2-Nitroaniline	25						
Dimethylphthalate	10						
Acenaphthylene	10						
3-Nitroaniline	25						
Acenaphthene	10						
2,4-Dinitrophenol	25						
4-Nitrophenol	25						
Dibenzofuran	10						
2,4-Dinitrotoluene	10						
2,6-Dinitrotoluene	10						
Diethylphthalate	10						
4-Chlorophenylphenylether	10						
Fluorene	10						
4-Nitroaniline	25						
4,6-Dinitro-2-Methylphenol	25						
N-Nitrosodiphenylamine	10						
4-Bromophenylphenylether	10						
Hexachlorobenzene	10						
Pentachlorophenol	25						
Phenanthrene	10						
Anthracene	10						
Carbazole	10						
Di-n-Butylphthalate	10						
Fluoranthene	10						
Pyrene	10						
Butylbenzylphthalate	10		1 J				
3,3'-Dichlorobenzidine	10	UJ	UJ	UJ	UJ	UJ	UJ
Benzo(a)anthracene	10						
bis(2-Ethylhexyl)phthalate	10	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10						

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-CS	GW-CUB	GW-CLB	GW-DVF2	GW-DVF3	GW-DLB
Laboratory Sample Number		S005	S006	S021	S020	S019	S018
Remarks							
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Di-n-Octyl/Di-n-Octylphthalate	10						
Benzo(b)fluoranthene	10						
Benzo(k)fluoranthene	10						
Benzo(a)pyrene	10						
Indeno(1,2,3-cd)pyrene	10						
Dibenz(a,h)anthracene	10						
Benzo(g,h,i)perylene	10						
3,4-Dichloronitrobenzene	10						
Diphenylsulfone	50						
Quantitation Limit Multiplier		1.00	1.00	1.00	1.00	1.00	1.00
Date of Sample Collection		10/19/92	10/19/92	10/20/92	10/21/92	10/21/92	10/21/92
Date Sample Received by Lab		10/21/92	10/21/92	10/22/92	10/22/92	10/22/92	10/22/92
Date Sample Extracted		10/23/92	10/23/92	10/23/92	10/23/92	10/23/92	10/23/92
Date of Sample Analysis		11/02/92	11/03/92	11/03/92	11/03/92	11/03/92	11/03/92
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-EVF1	GW-EVF2	GW-EVF3	GW-EVF5	GW-EVF5/RA
Laboratory Sample Number		S010	S011	S012	S014	S014RA
Remarks					Dup. of RNS-GW-EVF3	Dup. of RNS-GW-EVF3
Units		ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)					
Phenol	10				UJ	UJ
bis(2-Chloroethyl)ether	10				UJ	UJ
2-Chlorophenol	10				UJ	UJ
1,3-Dichlorobenzene	10				UJ	UJ
1,4-Dichlorobenzene	10				UJ	UJ
1,2-Dichlorobenzene	10				UJ	UJ
2-Methylphenol	10				UJ	UJ
2,2-Oxybis(1-Chloropropane)	10				UJ	UJ
4-Methylphenol	10				UJ	UJ
N-Nitroso-di-n-Propylamine	10				UJ	UJ
Hexachloroethane	10				UJ	UJ
Nitrobenzene	10				UJ	UJ
Isophorone	10				UJ	UJ
2-Nitrophenol	10				UJ	UJ
2,4-Dimethylphenol	10				UJ	UJ
bis(2-Chloroethoxy)methane	10				UJ	UJ
2,4-Dichlorophenol	10				UJ	UJ
1,2,4-Trichlorobenzene	10				UJ	UJ
Naphthalene	10				UJ	UJ
4-Chloroaniline	10				UJ	UJ
Hexachlorobutadiene	10				UJ	UJ
4-Chloro-3-Methylphenol	10				UJ	UJ
2-Methylnaphthalene	10				UJ	UJ
Hexachlorocyclopentadiene	10				UJ	UJ
2,4,6-Trichlorophenol	10				UJ	UJ
2,4,5-Trichlorophenol	25				UJ	UJ
2-Chloronaphthalene	10				UJ	UJ
2-Nitroaniline	25				UJ	UJ
Dimethylphthalate	10				UJ	UJ
Acenaphthylene	10				UJ	UJ
3-Nitroaniline	25				UJ	UJ
Acenaphthene	10				UJ	UJ
2,4-Dinitrophenol	25				UJ	UJ
4-Nitrophenol	25				UJ	UJ
Dibenzofuran	10				UJ	UJ
2,4-Dinitrotoluene	10				UJ	UJ
2,6-Dinitrotoluene	10				UJ	UJ
Diethylphthalate	10				UJ	UJ
4-Chlorophenylphenylether	10				UJ	UJ
Fluorene	10				UJ	UJ
4-Nitroaniline	25				UJ	UJ
4,6-Dinitro-2-Methylphenol	25				UJ	UJ
N-Nitrosodiphenylamine	10				UJ	UJ
4-Bromophenylphenylether	10				UJ	UJ
Hexachlorobenzene	10				UJ	UJ
Pentachlorophenol	25				UJ	UJ
Phenanthrene	10				UJ	UJ
Anthracene	10				UJ	UJ
Carbazole	10				UJ	UJ
Di-n-Butylphthalate	10				10 U	10 U
Fluoranthene	10				UJ	UJ
Pyrene	10				UJ	UJ
Butylbenzylphthalate	10				UJ	UJ
3,3'-Dichlorobenzidine	10	UJ	UJ	UJ	UJ	UJ
Benzo(a)anthracene	10				UJ	UJ
bis(2-Ethylhexyl)phthalate	10				UJ	UJ
Chrysene	10				UJ	UJ

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RINS -	GW-EVF1	GW-EVF2	GW-EVF3	GW-EVF5	GW-EVF5/RA
Laboratory Sample Number		S010	S011	S012	S014	S014RA
Remarks					Dup. of RINS-GW-EVF3	Dup. of RINS-GW-EVF3
Units		ug/L	ug/L	ug/L	ug/L	ug/L
Di-n-Octyl/Di-n-Octylphthalate	10				UJ	UJ
Benzo(b)fluoranthene	10				UJ	UJ
Benzo(k)fluoranthene	10				UJ	UJ
Benzo(a)pyrene	10				UJ	UJ
Indeno(1,2,3-cd)pyrene	10				UJ	UJ
Dibenz(a,h)anthracene	10				UJ	UJ
Benzo(g,h,i)perylene	10				UJ	UJ
3,4-Dichloronitrobenzene	10				UJ	UJ
Diphenylsulfone	50				UJ	UJ
Quantitation Limit Multiplier		1.00	1.00	1.00	1.00	1.00
Date of Sample Collection		10/21/92	10/21/92	10/21/92	10/21/92	10/21/92
Date Sample Received by Lab		10/22/92	10/22/92	10/22/92	10/22/92	10/22/92
Date Sample Extracted		10/23/92	10/23/92	10/23/92	10/23/92	10/23/92
Date of Sample Analysis		11/03/92	11/03/92	11/03/92	11/03/92	11/06/92
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-EVF5/RE	GW-EVF5/R	GW-EVF4	GW-ELB	GW-ELBDL	GW-FVF3
Laboratory Sample Number		S014RE	S014RR	S022	S025	SO25D	S027
Remarks		Dup. of RNS-GW-EVF3					
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
Phenol	10	R	R				
bis(2-Chloroethyl)ether	10	R	R				
2-Chlorophenol	10	R	R				
1,3-Dichlorobenzene	10	R	R				
1,4-Dichlorobenzene	10	R	R				
1,2-Dichlorobenzene	10	R	R				
2-Methylphenol	10	R	R				
2,2-Oxybis(1-Chloropropane)	10	R	R				
4-Methylphenol	10	R	R				
N-Nitroso-di-n-Propylamine	10	R	R	UJ			
Hexachloroethane	10	R	R				
Nitrobenzene	10	R	R				
Isophorone	10	R	R				
2-Nitrophenol	10	R	R				
2,4-Dimethylphenol	10	R	R				
bis(2-Chloroethoxy)methane	10	R	R				
2,4-Dichlorophenol	10	R	R				
1,2,4-Trichlorobenzene	10	R	R				
Naphthalene	10	R	R		3 J		
4-Chloroaniline	10	R	R				
Hexachlorobutadiene	10	R	R				
4-Chloro-3-Methylphenol	10	R	R				
2-Methylnaphthalene	10	R	R		1 J		
Hexachlorocyclopentadiene	10	R	R				
2,4,6-Trichlorophenol	10	R	R				
2,4,5-Trichlorophenol	25	R	R				
2-Chloronaphthalene	10	R	R				
2-Nitroaniline	25	R	R				
Dimethylphthalate	10	R	R				
Acenaphthylene	10	R	R				
3-Nitroaniline	25	R	R				
Acenaphthene	10	R	R				
2,4-Dinitrophenol	25	R	R				
4-Nitrophenol	25	R	R				
Dibenzofuran	10	R	R				
2,4-Dinitrotoluene	10	R	R				
2,6-Dinitrotoluene	10	R	R				
Diethylphthalate	10	R	R				
4-Chlorophenylphenylether	10	R	R				
Fluorene	10	R	R				
4-Nitroaniline	25	R	R				
4,6-Dinitro-2-Methylphenol	25	R	R				
N-Nitrosodiphenylamine	10	R	R				
4-Bromophenylphenylether	10	R	R				
Hexachlorobenzene	10	R	R				
Pentachlorophenol	25	R	R				
Phenanthrene	10	R	R				
Anthracene	10	R	R				
Carbazole	10	R	R				
Di-n-Butylphthalate	10	R	R	10 U	10 U		10 U
Fluoranthene	10	R	R				
Pyrene	10	R	R				
Butylbenzylphthalate	10	R	R		5 J		
3,3'-Dichlorobenzidine	10	R	R	UJ	UJ	UJ	UJ
Benzo(a)anthracene	10	R	R				
bis(2-Ethylhexyl)phthalate	10	R	R	10 U	510 J	920	10 U
Chrysene	10	R	R				

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-EVF5/RE	GW-EVF5/R	GW-EVF4	GW-ELB	GW-ELBDL	GW-FVF3
Laboratory Sample Number		S014RE	S014RR	S022	S025	SO25D	S027
Remarks		Dup. of RNS-GW-EVF3					
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Di-n-Octyl/Di-n-Octylphthalate	10	R	R				
Benzo(b)fluoranthene	10	R	R				
Benzo(k)fluoranthene	10	R	R				
Benzo(a)pyrene	10	R	R				
Indeno(1,2,3-cd)pyrene	10	R	R				
Dibenz(a,h)anthracene	10	R	R				
Benzo(g,h,i)perylene	10	R	R				
3,4-Dichloronitrobenzene	10	R	R				
Diphenylsulfone	50	R	R				
Quantitation Limit Multiplier		1.00	1.00	1.00	1.00	20.0	1.00
Date of Sample Collection		10/21/92	10/21/92	10/22/92	10/22/92	10/22/92	10/22/92
Date Sample Received by Lab		10/22/92	10/22/92	10/23/92	10/23/92	10/23/92	10/23/92
Date Sample Extracted		11/11/92	11/23/92	10/27/92	10/27/92	10/27/92	10/27/92
Date of Sample Analysis		11/20/92	12/01/92	11/04/92	11/04/92	11/06/92	11/04/92
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-FVF4RE	GW-F-VF6RE	GW-FLB	GW-GUB	GW-GUBDL	GW-HS
Laboratory Sample Number		S026RR	S032RR	S033	S101R2	S101D	S030
Remarks		Reextraction	Reextraction			Dilution	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
Phenol	10	R	R		10 U	R	
bis(2-Chloroethyl)ether	10	R	R		R	R	
2-Chlorophenol	10	R	R		R	R	
1,3-Dichlorobenzene	10	R	R		R	R	
1,4-Dichlorobenzene	10	R	R		1 J	R	
1,2-Dichlorobenzene	10	R	R		200 J	390 J	
2-Methylphenol	10	R	R		R	R	
2,2-Oxybis(1-Chloropropane)	10	R	R		R	R	
4-Methylphenol	10	R	R		R	R	
N-Nitroso-di-n-Propylamine	10	R	R		R	R	
Hexachloroethane	10	R	R		R	R	
Nitrobenzene	10	R	R		R	R	
Isophorone	10	R	R		R	R	
2-Nitrophenol	10	R	R		R	R	
2,4-Dimethylphenol	10	R	R		R	R	
bis(2-Chloroethoxy)methane	10	R	R		R	R	
2,4-Dichlorophenol	10	R	R		R	R	
1,2,4-Trichlorobenzene	10	R	R		R	R	
Naphthalene	10	R	R		R	R	
4-Chloroaniline	10	R	R		R	R	
Hexachlorobutadiene	10	R	R		R	R	
4-Chloro-3-Methylphenol	10	R	R		R	R	
2-Methylnaphthalene	10	R	R		R	R	
Hexachlorocyclopentadiene	10	R	R		R	R	
2,4,6-Trichlorophenol	10	R	R		R	R	
2,4,5-Trichlorophenol	25	R	R		R	R	
2-Chloronaphthalene	10	R	R		R	R	
2-Nitroaniline	25	R	R		R	R	
Dimethylphthalate	10	R	R		R	R	
Acenaphthylene	10	R	R		R	R	
3-Nitroaniline	25	R	R		R	R	
Acenaphthene	10	R	R		R	R	
2,4-Dinitrophenol	25	R	R		R	R	
4-Nitrophenol	25	R	R		R	R	
Dibenzofuran	10	R	R		R	R	
2,4-Dinitrotoluene	10	R	R		R	R	
2,6-Dinitrotoluene	10	R	R		R	R	
Diethylphthalate	10	R	R		R	R	
4-Chlorophenylphenylether	10	R	R		R	R	
Fluorene	10	R	R		R	R	
4-Nitroaniline	25	R	R		R	R	
4,6-Dinitro-2-Methylphenol	25	R	R		R	R	
N-Nitrosodiphenylamine	10	R	R		R	R	
4-Bromophenylphenylether	10	R	R		R	R	
Hexachlorobenzene	10	R	R		R	R	
Pentachlorophenol	25	R	R		R	R	
Phenanthrene	10	R	R		R	R	
Anthracene	10	R	R		R	R	
Carbazole	10	R	R		R	R	
Di-n-Butylphthalate	10	R	10 U	10 U	R	R	
Fluoranthene	10	R	R		R	R	
Pyrene	10	R	R		R	R	
Butylbenzylphthalate	10	R	R		R	R	
3,3'-Dichlorobenzidine	10	R	R	UJ	R	R	UJ
Benzo(a)anthracene	10	R	R		R	R	
bis(2-Ethylhexyl)phthalate	10	10 U	10 U	10 U	10 U	R	10 U
Chrysene	10	R	R		R	R	

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-FVF4RE	GW-F-VF6RE	GW-FLB	GW-GUB	GW-GUBDL	GW-HS
Laboratory Sample Number		S026RR	S032RR	S033	S101R2	S101D	S030
Remarks		Reextraction	Reextraction			Dilution	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Di-n-Octy/Di-n-Octylphthalate	10	R	R		R	R	
Benzo(b)fluoranthene	10	R	R		R	R	
Benzo(k)fluoranthene	10	R	R		R	R	
Benzo(a)pyrene	10	R	R		R	R	
Indeno(1,2,3-cd)pyrene	10	R	R		R	R	
Dibenz(a,h)anthracene	10	R	R		R	R	
Benzo(g,h,i)perylene	10	R	R		R	R	
3,4-Dichloronitrobenzene	10	R	R		R	R	
Diphenylsulfone	50	R	R		540 J	1200 J	
Quantitation Limit Multiplier		1.00	1.00	1.00	1.00	40.0	1.00
Date of Sample Collection		10/22/92	10/22/92	10/22/92	11/04/92	11/04/92	10/22/92
Date Sample Received by Lab		10/23/92	10/23/92	10/23/92	11/05/92	11/05/92	10/23/92
Date Sample Extracted		11/07/92	12/07/92	10/27/92	12/07/92	12/07/92	10/27/92
Date of Sample Analysis		12/10/92	12/10/92	11/05/92	12/10/92	12/16/92	11/05/92
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-HVF1	GW-HUB	GW-IS	GW-II	IUB	GW-ILB	GW-JVF2
Laboratory Sample Number		S031	S029	S001	S002	S003	S009	S051
Remarks								
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)							
Phenol	10							1 J
bis(2-Chloroethyl)ether	10							
2-Chlorophenol	10							
1,3-Dichlorobenzene	10							
1,4-Dichlorobenzene	10							
1,2-Dichlorobenzene	10							
2-Methylphenol	10							
2,2-Oxybis(1-Chloropropane)	10							
4-Methylphenol	10							
N-Nitroso-di-n-Propylamine	10							
Hexachloroethane	10							
Nitrobenzene	10							
Isophorone	10							
2-Nitrophenol	10							
2,4-Dimethylphenol	10							
bis(2-Chloroethoxy)methane	10							
2,4-Dichlorophenol	10							
1,2,4-Trichlorobenzene	10							
Naphthalene	10							
4-Chloroaniline	10							
Hexachlorobutadiene	10							
4-Chloro-3-Methylphenol	10							
2-Methylnaphthalene	10							
Hexachlorocyclopentadiene	10							
2,4,6-Trichlorophenol	10							
2,4,5-Trichlorophenol	25							
2-Chloronaphthalene	10							
2-Nitroaniline	25							
Dimethylphthalate	10							
Acenaphthylene	10							
3-Nitroaniline	25							
Acenaphthene	10							
2,4-Dinitrophenol	25							
4-Nitrophenol	25							
Dibenzofuran	10							
2,4-Dinitrotoluene	10							
2,6-Dinitrotoluene	10							
Diethylphthalate	10							
4-Chlorophenylphenylether	10							
Fluorene	10							
4-Nitroaniline	25							
4,6-Dinitro-2-Methylphenol	25							
N-Nitrosodiphenylamine	10							
4-Bromophenylphenylether	10							
Hexachlorobenzene	10							
Pentachlorophenol	25							
Phenanthrene	10							
Anthracene	10							
Carbazole	10							
Di-n-Butylphthalate	10	10 U						
Fluoranthene	10							
Pyrene	10							
Butylbenzylphthalate	10							
3,3'-Dichlorobenzidine	10	UJ	UJ	UJ	UJ	uj	UJ	
Benzo(a)anthracene	10							
bis(2-Ethylhexyl)phthalate	10	10 U	10 U				10 U	10 U
Chrysene	10							

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-HVF1	GW-HUB	GW-IS	GW-II	IUB	GW-ILB	GW-JV
Laboratory Sample Number		S031	S029	S001	S002	S003	S009	S051
Remarks								
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Di-n-Octyl/Di-n-Octylphthalate	10							
Benzo(b)fluoranthene	10							
Benzo(k)fluoranthene	10							
Benzo(a)pyrene	10							
Indeno(1,2,3-cd)pyrene	10							
Dibenz(a,h)anthracene	10							
Benzo(g,h,i)perylene	10							
3,4-Dichloronitrobenzene	10							
Diphenylsulfone	50							
Quantitation Limit Multiplier		1.00	1.00	1.00	1.00	1.00	1.00	1.0
Date of Sample Collection		10/22/92	10/22/92	10/19/92	10/19/92	10/20/92	10/21/92	10/27/92
Date Sample Received by Lab		10/23/92	10/23/92	10/21/92	10/21/92	10/21/92	10/22/92	10/28/92
Date Sample Extracted		10/27/92	10/27/92	10/23/92	10/23/92	10/23/92	10/23/92	10/30/92
Date of Sample Analysis		11/05/92	11/04/92	11/02/92	11/02/92	11/02/92	11/03/92	11/07/92
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-JVF3	GW-JVF4	GW-JLB	GW-KVF2	GW-KVF3	GW-KLB
Laboratory Sample Number		S052	S053	S048	S016	S017	S007
Remarks							
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
Phenol	10		1 J		10 U	10 U	
bis(2-Chloroethyl)ether	10						
2-Chlorophenol	10						
1,3-Dichlorobenzene	10						
1,4-Dichlorobenzene	10						
1,2-Dichlorobenzene	10						
2-Methylphenol	10						
2,2-Oxybis(1-Chloropropane)	10						
4-Methylphenol	10						
N-Nitroso-di-n-Propylamine	10						
Hexachloroethane	10						
Nitrobenzene	10						
Isophorone	10						
2-Nitrophenol	10						
2,4-Dimethylphenol	10						
bis(2-Chloroethoxy)methane	10						
2,4-Dichlorophenol	10						
1,2,4-Trichlorobenzene	10						
Naphthalene	10						
4-Chloroaniline	10						
Hexachlorobutadiene	10						
4-Chloro-3-Methylphenol	10						
2-Methylnaphthalene	10						
Hexachlorocyclopentadiene	10						
2,4,6-Trichlorophenol	10						
2,4,5-Trichlorophenol	25						
2-Chloronaphthalene	10						
2-Nitroaniline	25						
Dimethylphthalate	10						
Acenaphthylene	10						
3-Nitroaniline	25						
Acenaphthene	10						
2,4-Dinitrophenol	25						
4-Nitrophenol	25						
Dibenzofuran	10						
2,4-Dinitrotoluene	10						
2,6-Dinitrotoluene	10						
Diethylphthalate	10						
4-Chlorophenylphenylether	10						
Fluorene	10						
4-Nitroaniline	25						
4,6-Dinitro-2-Methylphenol	25						
N-Nitrosodiphenylamine	10						
4-Bromophenylphenylether	10						
Hexachlorobenzene	10						
Pentachlorophenol	25						
Phenanthrene	10						
Anthracene	10						
Carbazole	10						
Di-n-Butylphthalate	10	10 U	10 U				
Fluoranthene	10						
Pyrene	10						
Butylbenzylphthalate	10						
3,3'-Dichlorobenzidine	10				UJ	UJ	UJ
Benzo(a)anthracene	10						
bis(2-Ethylhexyl)phthalate	10	10 U	10 U		10 U	10 U	10 U
Chrysene	10						

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-JVF3	GW-JVF4	GW-JLB	GW-KVF2	GW-KVF3	GW-KL
Laboratory Sample Number		S052	S053	S048	S016	S017	S007
Remarks							
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Di-n-Octyl/Di-n-Octylphthalate	10						
Benzo(b)fluoranthene	10						
Benzo(k)fluoranthene	10						
Benzo(a)pyrene	10						
Indeno(1,2,3-cd)pyrene	10						
Dibenz(a,h)anthracene	10						
Benzo(g,h,i)perylene	10						
3,4-Dichloronitrobenzene	10						
Diphenylsulfone	50						
Quantitation Limit Multiplier		1.0	1.0	1.00	1.00	1.00	1.00
Date of Sample Collection		10/27/92	10/27/92	10/27/92	10/21/92	10/21/92	10/20/92
Date Sample Received by Lab		10/28/92	10/28/92	10/28/92	10/22/92	10/22/92	10/21/92
Date Sample Extracted		10/30/92	10/30/92	10/30/92	10/23/92	10/23/92	10/23/92
Date of Sample Analysis		11/09/92	11/09/92	11/07/92	11/03/92	11/03/92	11/03/92
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	GW-KVF5	GW-LVF1	GW-LVF2	GW-LVF3	GW-LLBRE
Laboratory Sample Number		S008	S044	S043	S046	S045RR
Remarks		Dup. of RNS-GW-KLB			Dup. of RNS-GW-LVF2	Reextraction
Units		ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)					
Phenol	10			10 U		R
bis(2-Chloroethyl)ether	10					R
2-Chlorophenol	10					R
1,3-Dichlorobenzene	10					R
1,4-Dichlorobenzene	10					R
1,2-Dichlorobenzene	10					R
2-Methylphenol	10					R
2,2-Oxybis(1-Chloropropane)	10					R
4-Methylphenol	10					R
N-Nitroso-di-n-Propylamine	10					R
Hexachloroethane	10					R
Nitrobenzene	10					R
Isophorone	10					R
2-Nitrophenol	10					R
2,4-Dimethylphenol	10					R
bis(2-Chloroethoxy)methane	10					R
2,4-Dichlorophenol	10					R
1,2,4-Trichlorobenzene	10					R
Naphthalene	10					R
4-Chloroaniline	10					R
Hexachlorobutadiene	10					R
4-Chloro-3-Methylphenol	10					R
2-Methylnaphthalene	10					R
Hexachlorocyclopentadiene	10					R
2,4,6-Trichlorophenol	10					R
2,4,5-Trichlorophenol	25					R
2-Chloronaphthalene	10					R
2-Nitroaniline	25					R
Dimethylphthalate	10					R
Acenaphthylene	10					R
3-Nitroaniline	25					R
Acenaphthene	10					R
2,4-Dinitrophenol	25					R
4-Nitrophenol	25					R
Dibenzofuran	10					R
2,4-Dinitrotoluene	10					R
2,6-Dinitrotoluene	10					R
Diethylphthalate	10					R
4-Chlorophenylphenylether	10					R
Fluorene	10					R
4-Nitroaniline	25					R
4,6-Dinitro-2-Methylphenol	25					R
N-Nitrosodiphenylamine	10					R
4-Bromophenylphenylether	10					R
Hexachlorobenzene	10					R
Pentachlorophenol	25					R
Phenanthrene	10					R
Anthracene	10					R
Carbazole	10					R
Di-n-Butylphthalate	10	10 U				R
Fluoranthene	10					R
Pyrene	10					R
Butylbenzylphthalate	10					R
3,3'-Dichlorobenzidine	10	UJ				R
Benzo(a)anthracene	10					R
bis(2-Ethylhexyl)phthalate	10	10 U	10 U	10 U	10 U	10 U
Chrysene	10					R

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RINS -	GW-KVF5	GW-LVF1	GW-LVF2	GW-LVF3	GW-LLBRE
Laboratory Sample Number		S008	S044	S043	S046	S045RR
Remarks		Dup. of RINS-GW-KLB			Dup. of RINS-GW-LVF2	Reextraction
Units		ug/L	ug/L	ug/L	ug/L	ug/L
Di-n-Octyl/Di-n-Octylphthalate	10					R
Benzo(b)fluoranthene	10					R
Benzo(k)fluoranthene	10					R
Benzo(a)pyrene	10					R
Indeno(1,2,3-cd)pyrene	10					R
Dibenz(a,h)anthracene	10					R
Benzo(g,h,i)perylene	10					R
3,4-Dichloronitrobenzene	10					R
Diphenylsulfone	50					R
Quantitation Limit Multiplier		1.00	1.00	1.00	1.00	1.00
Date of Sample Collection		10/20/92	10/26/92	10/26/92	10/26/92	10/26/92
Date Sample Received by Lab		10/21/92	10/27/92	10/27/92	10/27/92	10/23/92
Date Sample Extracted		10/23/92	10/30/92	10/30/92	10/30/92	12/07/92
Date of Sample Analysis		11/03/92	11/06/92	11/06/92	11/06/92	12/10/92
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

ROUND 1

TENTATIVELY IDENTIFIED COMPOUNDS
SEMIVOLATILES

TENTATIVELY IDENTIFIED COMPOUNDS

ERM-Midwest Sample Number	RNS-GW-C-S	RNS-GW-CUB	RNS-[illegible]	RNS-GW-DVF3	RNS-GW-D16	RNS-GW-DLB	RNS-GW-E-VF1	RNS-GW-[illegible]	RNS-GW-E-VF2
Laboratory Sample Number	S005	S006	S020	S019	S013	S018	S010	S012	S011
Remarks									
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS									
1,2-CYCLOHEXANEDIOL (13.27)	4 J	3 J	6 J						
CYCLOPENTANOL, 2-METHYL- (9.65)	3 R	9 R		3 R		13 R			
UNKNOWN (14.92)		7 J							
1-PROPENE,1,2,3-TRICHLORO- (11.07)		2 J							
UNKNOWN(34.07)					4 J				
ALKANE (31.64)					4 J				
ALKANE (30.65)					3 J				
4-MORPHOLINEETHANAMINE (24.88)				2 J	3 J				2 J
UNKNOWN ALKANE (29.77)					3 J				
ALKANE (32.77)					2 J				
BENZENESULFONAMIDE (21.23)			360 J						
UNKNOWN (26.82)			12 J						
UNKNOWN (9.05)			9 J	3 J				2 J	
UNKNOWN (19.67)			4 J						
UNKNOWN (8.67)			3 J						
UNKNOWN (MWT-98) (9.72)			2 J						
UNKNOWN (10.72)			2 J						
UNKNOWN (25.13)			2 J						
CHLORO CYCLOHEXANOL ISOMER (12.72)			2 J						
BENZENESULFONAMIDE (20.92)				3 J					
7-OXABICYCLO 4.1.0 HEPTANE (9.05)							3 J		
UNKNOWN (MWT-101) (8.60)									6 J
UNKNOWN(8.63)								49 J	
HEPTADECANE, 2,6,10,15-TETRA (29.77)									
HEPTADECANE, 2,6,10,15-TETRA (31.62)									
HEPTADECANE, 2,6,10,15-TETRA (30.64)									
ETHANE, PENTACHLORO- (11.72)									
UNKNOWN CHLORO CYCLOHEXENE (13.55)									
1-PROPENE, 1,2,3,3-TETRACHLOR (10.68)									
UNKNOWN (12.72)									
CYCLOHEXANOL, 2-BROMO, ISOMER(14.27)									
UNKNOWN (15.07)									
CYCLOHEXANE, 1,4-DI CHLORO- (13.53)									
CYCLOHEXANOL, 4-CHLORO,TRANS (12.70)									
CYCLOPENTANOL, 2-METHYL- (9.6)									
CARBOXYLIC ACID (26.17)									
ALKANE (31.67)									

TENTATIVELY IDENTIFIED COMPOUNDS

ERM Midwest Sample Number	RNS GW C S	RNS GW CUB	RNS G F2	RNS GW DVF3	RNS GW D18	RNS GW DLB	RNS GW E VF1	RNS GW E	RNS GW E VF2
Laboratory Sample Number	S005	S008	S020	S019	S013	S018	S010	S012	S011
Remarks									
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS									
ALKANE (30 67)									
ALKANE (29 79)									
ALKANE (32 78)									
ALKANE (28 89)									
UNKNOWN (33 2)									
ALKANE (34 09)									
UNKNOWN (14 92)									
1-PROPENE, 1,2,3-TRICHLORO ISOMER (11 08)									
UNKNOWN (13 38)									
UNKNOWN (MWT-99) (9 10)									
UNKNOWN(9 75)									
UNKNOWN (12 60)									
UNKNOWN CARBOXYLIC ACID (15 98)									
BENZOIC ACID (14 95)									
UNKNOWN CARBOXYLIC ACID (16 58)									
HEXANOIC ACID, 2-ETHYL- (14 13)									
ETHANOL, 1-(2-BUTOXYETHOXY) ISOMER (15 47)									
UNKNOWN CARBOXYLIC ACID (11 48)									
ETHANOL, 2,2'-OXYBIS (11 23)									

TENTATIVEL[illegible]NTIFIED COMPOUNDS								
ERM-Midwest S[illegible]ber	RNS-GW-VF4	RNS-GW-E-VF5	[illegible]-VF5-RA	RNS-GW-VF5-RE	RNS-GW-VF5-RR	RNS-GW-E-VFB-103	RNS-[illegible]	RNS-GW-I-S
Laboratory Sampl[illegible]umber	S022	S014	S014RA	S014RE	S014RR	S028	S002	S001
Remarks		Duplicate of RNS-GW-E-VF3	Duplicate of RNS-GW-E-VF3	Duplicate of RNS-GW-VF5	Duplicate of RNS-GW-VF5	Field Blank		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS			Reanalysis	Reextraction/ Reanlaysis	Reextraction/ Reanlaysis			
1,2-CYCLOHEXANEDIOL (13.27)								
CYCLOPENTANOL, 2-METHYL- (9.65)								
UNKNOWN (14.92)								
1-PROPENE,1,2,3-TRICHLORO- (11.07)								
UNKNOWN(34.07)								
ALKANE (31.64)								
ALKANE (30.65)								
4-MORPHOLINEETHANAMINE (24.88)		2 J						
UNKNOWN ALKANE (29.77)								
ALKANE (32.77)								
BENZENESULFONAMIDE (21.23)								
UNKNOWN (26.82)								
UNKNOWN (9.05)								
UNKNOWN (19.67)								
UNKNOWN (8.67)								
UNKNOWN (MWT-98) (9.72)								
UNKNOWN (10.72)								
UNKNOWN (25.13)								
CHLORO CYCLOHEXANOL ISOMER (12.72)								
BENZENESULFONAMIDE (20.92)								
7-OXABICYCLO 4.1.0 HEPTANE (9.05)								
UNKNOWN (MWT-101) (8.60)								
UNKNOWN(8.63)								
HEPTADECANE, 2,6,10,15-TETRA (29.77)								
HEPTADECANE, 2,6,10,15-TETRA (31.62)								
HEPTADECANE, 2,6,10,15-TETRA (30.64)								
ETHANE, PENTACHLORO- (11.72)		27 J	27 J					
UNKNOWN CHLORO CYCLOHEXENE (13.55)		17 R						
1-PROPENE, 1,2,3,3-TETRACHLOR (10.68)		16 J	16 J					
UNKNOWN (12.72)		7 J						
CYCLOHEXANOL, 2-BROMO, ISOMER(14.27)		5 J	6 J					
UNKNOWN (15.07)		4 J	4 J					
CYCLOHEXANE, 1,4-DI CHLORO- (13.53)			16 R					
CYCLOHEXANOL, 4-CHLORO,TRANS (12.70)			7 J					
CYCLOPENTANOL, 2-METHYL- (9.6)				8 R			28 R	34 R
CARBOXYLIC ACID (26.17)					184 J			
ALKANE (31.67)							3 J	

TENTATIVELY IDENTIFIED COMPOUNDS

ERM Midwest Sam. Number	RNS GW-VF4	RNS GW-E-VF5	GW-VF5 RA	RNS GW-VF5 RE	RNS-GW-VF5-RR	RNS GW E-VFB-103	RNS GW	RNS-GW-1-S
Laboratory Sample Number	S022	S014	S014RA	S014RE	S014RR	S028	S002	S001
Remarks		Duplicate of RNS-GW-E-VF3	Duplicate of RNS-GW-E-VF3	Duplicate of RNS-GW-VF5	Duplicate of RNS-GW-VF5	Field Blank		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS								
			Reanalysis	Reextraction/ Reanlaysis	Reextraction/ Reanlaysis			
ALKANE (30.67)								
ALKANE (29.79)								
ALKANE (32.78)								
ALKANE (28.89)								
UNKNOWN (33.2)								
ALKANE (34.09)								
UNKNOWN (14.92)								
1-PROPENE, 1,2,3-TRICHLORO ISOMER (11.08)								
UNKNOWN (13.38)								
UNKNOWN (MWT-99) (9.10)								
UNKNOWN(9.75)								
UNKNOWN (12.60)								
UNKNOWN CARBOXYLIC ACID (15.98)								
BENZOIC ACID (14.95)								
UNKNOWN CARBOXYLIC ACID (16.58)								
HEXANOIC ACID, 2-ETHYL- (14.13)								
ETHANOL, 1-(2-BUTOXYETHOXY) ISOMER (15.47)								
UNKNOWN CARBOXYLIC ACID (11.48)								
ETHANOL, 2,2'-OXYBIS (11.23)								

TENTATIVELY IDENTIFIED COMPOUNDS

ERM-Midwest Sample Number	RNS-I-UB	RNS-GW-ILB	RNS-GW-K-VF1	RNS-GW-K-VF2	RNS-GW-K-VF3	RNS-GW-K-VF5	RNS-GW-C-LB
Laboratory Sample Number	S003	S009	S007	S016	S017	S008	S021
Remarks						Duplicate of RNS-GW-KLB	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS							
1,2-CYCLOHEXANEDIOL (13.27)							
CYCLOPENTANOL, 2-METHYL- (9.65)							
UNKNOWN (14.92)							
1-PROPENE,1,2,3-TRICHLORO- (11.07)							
UNKNOWN(34.07)							
ALKANE (31.64)							
ALKANE (30.65)							
4-MORPHOLINEETHANAMINE (24.88)		3 J	2 J	3 J	3 J	2 J	
UNKNOWN ALKANE (29.77)							
ALKANE (32.77)							
BENZENESULFONAMIDE (21.23)							
UNKNOWN (26.82)							
UNKNOWN (9.05)							
UNKNOWN (19.67)							
UNKNOWN (8.67)		67 J					
UNKNOWN (MWT-98) (9.72)							
UNKNOWN (10.72)							
UNKNOWN (25.13)							
CHLORO CYCLOHEXANOL ISOMER (12.72)							
BENZENESULFONAMIDE (20.92)							
7-OXABICYCLO 4.1.0 HEPTANE (9.05)							
UNKNOWN (MWT-101) (8.60)				19 J	63 J		
UNKNOWN(8.63)							
HEPTADECANE, 2,6,10,15-TETRA (29.77)							
HEPTADECANE, 2,6,10,15-TETRA (31.62)							
HEPTADECANE, 2,6,10,15-TETRA (30.64)							
ETHANE, PENTACHLORO- (11.72)							
UNKNOWN CHLORO CYCLOHEXENE (13.55)							
1-PROPENE, 1,2,3,3-TETRACHLOR (10.68)							
UNKNOWN (12.72)							
CYCLOHEXANOL, 2-BROMO, ISOMER(14.27)							
UNKNOWN (15.07)							
CYCLOHEXANE, 1,4-DI CHLORO- (13.53)							
CYCLOHEXANOL, 4-CHLORO,TRANS (12.70)							
CYCLOPENTANOL, 2-METHYL- (9.6)							
CARBOXYLIC ACID (26.17)							
ALKANE (31.67)	2 J	5 J					

TENTATIVELY IDENTIFIED COMPOUNDS							
ERM Midwest Sample Number	RNS-I-UB	RNS-GW-ILB	RNS-L[illegible]LB	RNS-GW-K-VF2	RNS-GW-K-VF3	RNS-GW-K-VF5	RNS-GW-C-LB
Laboratory Sample Number	8003	8009	8007	8016	8017	8008	8021
Remarks						Duplicate of RNS-GW-KLB	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS							
ALKANE (30.67)		5 J					
ALKANE (29.79)		4 J					
ALKANE (32.78)		3 J					
ALKANE (28.89)		2 J					
UNKNOWN (33.2)		2 J			2 J		
ALKANE (34.09)		2 J					
UNKNOWN (14.92)			16 J				
1-PROPENE, 1,2,3-TRICHLORO ISOMER (11.08)			6 J				
UNKNOWN (13.38)					28 J		
UNKNOWN (MWT-99) (9.10)					27 J		
UNKNOWN(9.75)					8 J		
UNKNOWN (12.60)							7 J
UNKNOWN CARBOXYLIC ACID (15.98)							4 J
BENZOIC ACID (14.95)							4 J
UNKNOWN CARBOXYLIC ACID (16.58)							3 J
HEXANOIC ACID, 2-ETHYL- (14.13)							3 J
ETHANOL, 1-(2-BUTOXYETHOXY) ISOMER (15.47)							3 J
UNKNOWN CARBOXYLIC ACID (11.48)							3 J
ETHANOL, 2,2'-OXYBIS (11.23)							2 J

EXTRACTABL RGANIC ANALYSIS

ERM-MW Sampl Laboratory Sampl number	RNS-GW-E-LB S025	RNS-GW-E-LBDL S025D	RNS-G S026RR	RNS-GW-F-VF3 S027	RNS-GW-H-UB S029	RNS-GW-HS S030	RNS-GW-H-VF1 S031	RNS-GW-F S032RR	NS-GW-FLB S033
Remarks		Dilution	Reextraction					Reextraction	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS									
UNKNOWN (12.63)	8 J								
UNKNOWN SATURATED HYDROCARB (31.67)	5 J								
UNKNOWN SATURATED HYDROCARB (29.79)	5 J								
BENZENESULFONAMIDE (20.95)	5 J								
UNKNOWN (17.72)	4 J								
UNKNOWN PTHALATE (30.90)	3 J								
UNKNOWN SATURATED HYDROCARBON (30.65)	5 J								
4-MORPHOLINEETHANAMINE (24.88)									
UNKNOWN SATURATED HYDROCARBON (32.78)	3 J								
UNKNOWN SATURATED HYDROCARBON (9.07)	3 J								
UNKNOWN SATURATED HYDROCARBON (28.90)	3 J								
UNKNOWN SATURATED HYDROCARBON (34.10)	2 J								
UNKNOWN (9.02)			8 J					13 R	
1,2-CYCLOHEXANEDIOL (13.22)			3 J						
UNKNOWN (12.67)			3 J					8 R	
PROPANOIC ACID, 2-METHYL-,1 (21.43)			2 J						
BENEZENESULFONAMIDE (21.00)				27 J	5 J				
UNKNOWN (8.72)								10 J	
UNKNOWN ALCOHOL(9.67)								2 J	
UNKNOWN CARBOXYLIC ACID (16.6)									
UNKNOWN CARBOXYLIC ACID (15.02)									
UNKNOWN (33.22)									
BENZENESULFONAMIDE (21.47)									
BENZENESULFONAMIDE, CHLORO- (23.13)									
UNKNOWN (17.38)									
UNKNOWN ALIPHATIC (9.03)									
ALKYL-CYCLOALKANE (14.90)									
UNKNOWN (20.80)									
UNKNOWN ALIPHATIC ALCOHOL (15.45)									
BENZENESULFONAMIDE (21.88)									
CHLOROSULFONATED BENZENE (23.27)									
ALKYLOXY BENZENE (16.27)									
CHLOROSULFONATED BENZENE (18.78)									
UNKNOWN BENZOIC ACID, BROMO (19.20)									
UNKNOWN BENZOIC ACID, BROMO (19.53)									
UNKNOWN SUBSTITUTED BENZENE (20.63)									

EXTRACTABI' 'RGANIC ANALYSIS

ERM MW Sample Number	RNS GW E LB	RNS GW E LBDL	RNS GW ... 4RE	RNS GW F VF3	RNS GW H UB	RNS GW HS	RNS GW H VF1	RNS GW F VF6...	RNS GW FLB
Laboratory Sample Number	S025	S025D	S026RR	S027	S029	S030	S031	S032RR	S033
Remarks		Dilution	Reextraction					Reextraction	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS									
UNKNOWN (15.38)									
UNKNOWN PAH (25.99)									
UNKNOWN BENZOIC ACID, BROMO- (19 07)									
UNKNOWN (19.82)									
UNKNOWN SUBSTITUTED BIPHENYL (27.04)									
UNKNOWN (16.38)									
UNKNOWN SUBSTITUTED BENZENE (23 08)									
PHENOL, CHLORO- ISOMER (15 53)									
UNKNOWN HYDROCARBON (31 60)									
CYCLOPENTANOL, METHYL- (9.62)									
UNKNOWN HYDROCARBON (9.03)									
UNKNOWN CYCLOHEXANOL (12.67)									
UNKNOWN CYCLOPENTANOL (9.63)									
DOCOSANE (32.72)									
ALCOHOL (8 60)								7 J	

EXTRACTABL ORGANIC ANALYSIS

ERM-MW Sampl Laboratory Sampl	RNS-GW-D10 S034	RNS-GW-AUB S036	RNS S03	RNS-GW-AVF1 S038	RNS-GW-BS S039	RNS-GW-BSDL S039D	RNS-GW-D1 S040	RNS-GW S041	RNS-GW-S9 S042
Remarks				Duplicate of RNS-GW-AUB		Dilution		Field Blank	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS									
UNKNOWN (12.63)									
UNKNOWN SATURATED HYDROCARB (31.67)									
UNKNOWN SATURATED HYDROCARB (29.79)									
BENZENESULFONAMIDE (20.95)						3000 J			
UNKNOWN (17.72)									
UNKNOWN PTHALATE (30.90)									
UNKNOWN SATURATED HYDROCARBON (30.65)									
4-MORPHOLINEETHANAMINE (24.88)									
UNKNOWN SATURATED HYDROCARBON (32.78)									
UNKNOWN SATURATED HYDROCARBON (9.07)									
UNKNOWN SATURATED HYDROCARBON (28.90)									
UNKNOWN SATURATED HYDROCARBON (34.10)									
UNKNOWN (9.02)									
1,2-CYCLOHEXANEDIOL (13.22)									
UNKNOWN (12.67)									
PROPANOIC ACID, 2-METHYL-,1 (21.43)									
BENEZENESULFONAMIDE (21.00)		270 J					23 J		
UNKNOWN (8.72)									
UNKNOWN ALCOHOL(9.67)									
UNKNOWN CARBOXYLIC ACID (16.6)	7 J								
UNKNOWN CARBOXYLIC ACID (15.02)	4 J								
UNKNOWN (33.22)	4 R						3 R	5 J	
BENZENESULFONAMIDE (21.47)			910 J	400 J					
BENZENESULFONAMIDE, CHLORO- (23.13)			4 J						
UNKNOWN (17.38)			3 J						
UNKNOWN ALIPHATIC (9.03)			3 R						
ALKYL-CYCLOALKANE (14.90)			3 J						
UNKNOWN (20.80)				3 J					
UNKNOWN ALIPHATIC ALCOHOL (15.45)				3 J					
BENZENESULFONAMIDE (21.88)					1700 J				
CHLOROSULFONATED BENZENE (23.27)					45 J				
ALKYLOXY BENZENE (16.27)					16 J				
CHLOROSULFONATED BENZENE (18.78)					11 J				
UNKNOWN BENZOIC ACID, BROMO (19.20)					9 J				
UNKNOWN BENZOIC ACID, BROMO (19.53)					5 J				
UNKNOWN SUBSTITUTED BENZENE (20.63)					5 J				

EXTRACTAB' 'RGANIC ANALYSIS

ERM-MW Sample Number	RNS-GW-D10	RNS-GW-AUB	RNS-G.. -AS	RNS-GW-AVF1	RNS-GW-BS	RNS-GW-BSDL	RNS-GW-D1	RNS-GW-D1-..4	RNS-GW-BB
Laboratory Sample Number	8034	8036	8037	8038	8039	8039D	8040	8041	8042
Remarks				Duplicate of RNS-GW-AUB		Dilution		Field Blank	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS									
UNKNOWN (15.38)					4 J				
UNKNOWN PAH (25.99)					3 J				
UNKNOWN BENZOIC ACID, BROMO- (19.07)					3 J				
UNKNOWN (19.82)					3 J				
UNKNOWN SUBSTITUTED BIPHENYL (27.04)					2 J				
UNKNOWN (16.38)									
UNKNOWN SUBSTITUTED BENZENE (23.08)					2 J				
PHENOL, CHLORO- ISOMER (15.53)					2 J				
UNKNOWN HYDROCARBON (31.60)									
CYCLOPENTANOL, METHYL- (9.62)									
UNKNOWN HYDROCARBON (9.03)									
UNKNOWN CYCLOHEXANOL (12.67)									
UNKNOWN CYCLOPENTANOL (9.63)									
DOCOSANE (32.72)									
ALCOHOL (8.60)									

EXTRACTAB[illegible]GANIC ANALYSIS					
ERM-MW Samp[illegible]	RNS-GW-L-VF2	RNS-GW-L-VF1	RNS-[illegible]	RNS-GW-L-VF3	RNS-GW-J-LB
Laboratory Sample Number	S043	S044	S045RR	S046	S048
Remarks			Reextraction	Duplicate of RNS-GW-L-VF2	-
Units	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS					
UNKNOWN (12.63)					
UNKNOWN SATURATED HYDROCARB (31.67)				3 J	
UNKNOWN SATURATED HYDROCARB (29.79)				3 J	
BENZENESULFONAMIDE (20.95)				130 J	
UNKNOWN (17.72)					
UNKNOWN PTHALATE (30.90)					
UNKNOWN SATURATED HYDROCARBON (30.65)	2 J			3 J	
4-MORPHOLINEETHANAMINE (24.88)					
UNKNOWN SATURATED HYDROCARBON (32.78)					
UNKNOWN SATURATED HYDROCARBON (9.07)					
UNKNOWN SATURATED HYDROCARBON (28.90)					
UNKNOWN SATURATED HYDROCARBON (34.10)					
UNKNOWN (9.02)					3 R
1,2-CYCLOHEXANEDIOL (13.22)			2 J		
UNKNOWN (12.67)					
PROPANOIC ACID, 2-METHYL-,1 (21.43)					
BENEZENESULFONAMIDE (21.00)	120 J				
UNKNOWN (8.72)					
UNKNOWN ALCOHOL(9.67)					
UNKNOWN CARBOXYLIC ACID (16.6)					
UNKNOWN CARBOXYLIC ACID (15.02)					
UNKNOWN (33.22)					
BENZENESULFONAMIDE (21.47)					
BENZENESULFONAMIDE, CHLORO- (23.13)					
UNKNOWN (17.38)					
UNKNOWN ALIPHATIC (9.03)					
ALKYL-CYCLOALKANE (14.90)					
UNKNOWN (20.80)					
UNKNOWN ALIPHATIC ALCOHOL (15.45)					
BENZENESULFONAMIDE (21.88)					
CHLOROSULFONATED BENZENE (23.27)					
ALKYLOXY BENZENE (16.27)					
CHLOROSULFONATED BENZENE (18.78)					
UNKNOWN BENZOIC ACID, BROMO (19.20)					
UNKNOWN BENZOIC ACID, BROMO (19.53)					
UNKNOWN SUBSTITUTED BENZENE (20.63)					

EXTRACTAB' 'RGANIC ANALYSIS

ERM-MW Sample Number	RNS-GW-L-VF2	RNS-GW-L-VF1	RNS-GW-L-RE	RNS-GW-L-VF3	RNS-GW-J-LB
Laboratory Sample Number	S043	S044	S045RR	S046	S048
Remarks			Reextraction	Duplicate of RNS-GW-L-VF2	
Units	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS					
UNKNOWN (15.38)					
UNKNOWN PAH (25.99)					
UNKNOWN BENZOIC ACID, BROMO- (19.07)					
UNKNOWN (19.82)					
UNKNOWN SUBSTITUTED BIPHENYL (27.04)					
UNKNOWN (16.38)					
UNKNOWN SUBSTITUTED BENZENE (23.08)					
PHENOL, CHLORO- ISOMER (15.53)					
UNKNOWN HYDROCARBON (31.60)	2 J				
CYCLOPENTANOL, METHYL- (9.62)	4 J	10 J			
UNKNOWN HYDROCARBON (9.03)		2 R			
UNKNOWN CYCLOHEXANOL (12.67)			5 R		
UNKNOWN CYCLOPENTANOL (9.63)				8 J	
DOCOSANE (32.72)				2 J	
ALCOHOL (8.60)					2 R

EXTRACTABL[illegible]RGANIC ANALYSIS

ERM-Midwest S[illegible]ber Laboratory Sample Number	RNS-GW-J-VF2 S051	RNS-GW-J-VF3 S052	[illegible]W-J-VF4 S053	RNS-GW-S-1 S054	RNS-GW-D5 S056	RNS-GW-S11 S058	R[illegible]-DL [illegible]
Remarks							Dilution
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS							
UNKNOWN ALIPHATIC HYDROCARB (30.65)		7 J	4 J	6 J			
UNKNOWN ALIPHATIC HYDROCARB (29.77)		6 J	4 J	5 J			
UNKNOWN ALIPHATIC HYDROCARB (31.64)		6 J	4 J	6 J			
UNKNOWN ALIPHATIC HYDROCARB (32.75)		4 J					
UNKNOWN ALIPHATIC HYDROCARB (28.89)		3 J		3 J			
UNKNOWN HYDROCARBON (9.08)		5 R	10 R			2 R	
UNKNOWN CYCLIC ALCOHOL (9.67)		3 J					
UNKNOWN ALIPHATIC HYDROCARBON (34.07)		2 J					
BENZENESULFONAMIDE (21.03)	31 J	23 J	44 J			120 J	100 J
UNKNOWN CYCLOHEXANOL (13.30)			13 J				
UNKNOWN ALIPHATIC HYDROCARBON (12.73)			4 J				
UNKNOWN CYCLOHEXANOL (9.73)			3 J				
UNKNOWN (8.62)			3 R	4 R			
UNKNOWN (26.84)			3 J				
UNKNOWN ALIPHATIC HYDROCARBON (32.77)			2 J	4 J			
UNKNOWN ALIPHATIC HYDROCARBON (28.89)			2 J				
UNKNOWN (10.73)			2 J				
UNKNOWN CYCLOHEXANDIOL (13.28)				6 J			
UNKNOWN (15.02)				4 J			
UNKNOWN ALIPHATIC HYDROCARBON (34.07)				3 J			
UNKNOWN AROMATIC HYDROCARBON (21.13)						180 J	
UNKNOWN METHOXYETHYL AROMATIC (16.33)						120 J	80 J
UNKNOWN BIPHENYL (27.09)						15 J	
UNKNOWN BENZENEAMINE, FLUORO (13.05)						10 J	
UNKNOWN ALIPHATIC HYDROCARB (23.47)						9 J	
UNKNOWN SULFONATED AROMATIC (26.85)						7 J	
UNKNOWN AROMATIC AMINE (18.30)						6 J	
BENZENESULFONAMIDE, 4-CHLORO (23.25)						5 J	
UNKNOWN AROMATIC (25.03)						4 J	
AMINO PHENYL ETHANONE ISOMER (20.22)						3 J	
UNKNOWN CYCLOPENTANOL (9.67)						3 J	
UNKNOWN AROMATIC (20.82)						2 J	40 J
UNKNOWN AROMATIC (28.02)						2 J	
UNKNOWN ALIPHATIC HYDROCARB (8.87)							
UNKNOWN CARBOXYLIC ACID (16.98)							
UNKNOWN ALIPHATIC AMINE (10.35)							
UNKNOWN ALIPHATIC ACID (9.62)							

EXTRACTABLI 'GANIC ANALYSIS

ERM Midwest Sample number	RNS GW J VF2	RNS GW J VF3	GW J VF4	RNS GW S 1	RNS GW D5	RNS GW S11	RNS G I DL
Laboratory Sample Number	S051	S052	S053	S054	S056	S058	S058D
Remarks							Dilution
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS							
UNKNOWN ALIPHATIC HYDROCARBON(16.13)							
UNKNOWN IMIDAZOLIDINEDIONE (17.08)							
UNKNOWN CARBOXYLIC ACID (25.57)							
UNKNOWN ALIPHATIC HYDROCARBON (15 6)							
UNKNOWN CARBOXYLIC ACID (11.55)							
UNKNOWN CYCLIC HYDROCARB (14.95)							
UNKNOWN CHLORINATED ALKYL(11.10)							
UNKNOWN BENZENEAMINE, FLUORO (11 77)							
BENZENESULFONAMIDE, CHLORO (23 27)							
UNKNOWN AROMATIC AMINE (22.17)							
METHANONE, DIPHENYL- (22.17)							
UNKNOWN (27 22)							
BENZENEAMINE, TRIFLUORO (11.73)							
UNKNOWN BENZENE, SULFONYL- (18 78)							
UNKNOWN CHLORINATED BIPHENYL (26 70)							
UNKNOWN SUBSTITUTED BIPHENYL (27 07))							
UNKNOWN BENZ ACID SUB (25.13)							
UNKNOWN ALIPHATIC HYDROCARBON (35 53)							
UNKNOWN ALIPHATIC HYDROCARBON (39 55)							
BENZENE (METHYLSULFONYL) (18.78)							
UNKNOWN ALIPHATIC HYDROCARB (34 00)							
UNKNOWN (27.22)							
UNKNOWN ALIPHATIC HYDROCARB (12.72)							
UNKNOWN ALIPHATIC HYDROCARB (32.70)							
UNKNOWN SUBSTITUTED BENZENE (14.95)							
CYCLOHEXANE, DICHLORO- (13.55)							

EXTRACTABL GANIC ANALYSIS

ERM-Midwest S ber Laboratory Samp	RNS-GW-S10 S059	RNS-GW-D4 S060	GW-S4 S061	RNS-GW-D-3 S062	RNS-GW-S-3 S063	RNS-GW-D-18 S064	4
Remarks						Duplicate of RNS-GW-D-3	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS							
UNKNOWN ALIPHATIC HYDROCARB (30.65)							
UNKNOWN ALIPHATIC HYDROCARB (29.77)							
UNKNOWN ALIPHATIC HYDROCARB (31.64)							
UNKNOWN ALIPHATIC HYDROCARB (32.75)							
UNKNOWN ALIPHATIC HYDROCARB (28.89)							
UNKNOWN HYDROCARBON (9.08)		9 R				5 R	3 R
UNKNOWN CYCLIC ALCOHOL (9.67)							
UNKNOWN ALIPHATIC HYDROCARBON (34.07)							
BENZENESULFONAMIDE (21.03)	120 J			1500 J		2700 J	530 J
UNKNOWN CYCLOHEXANOL (13.30)							
UNKNOWN ALIPHATIC HYDROCARBON (12.73)							
UNKNOWN CYCLOHEXANOL (9.73)							
UNKNOWN (8.62)		300 J					
UNKNOWN (26.84)							
UNKNOWN ALIPHATIC HYDROCARBON (32.77)							
UNKNOWN ALIPHATIC HYDROCARBON (28.89)							
UNKNOWN (10.73)							
UNKNOWN CYCLOHEXANDIOL (13.28)							
UNKNOWN (15.02)							
UNKNOWN ALIPHATIC HYDROCARBON (34.07)							
UNKNOWN AROMATIC HYDROCARBON (21.13)							
UNKNOWN METHOXYETHYL AROMATIC (16.33)				2 J		3 J	
UNKNOWN BIPHENYL (27.09)							
UNKNOWN BENZENEAMINE, FLUORO (13.05)							
UNKNOWN ALIPHATIC HYDROCARB (23.47)							
UNKNOWN SULFONATED AROMATIC (26.85)							
UNKNOWN AROMATIC AMINE (18.30)							
BENZENESULFONAMIDE, 4-CHLORO (23.25)							
UNKNOWN AROMATIC (25.03)							
AMINO PHENYL ETHANONE ISOMER (20.22)							
UNKNOWN CYCLOPENTANOL (9.67)							
UNKNOWN AROMATIC (20.82)							
UNKNOWN AROMATIC (28.02)							
UNKNOWN ALIPHATIC HYDROCARB (8.87)		7 J					
UNKNOWN CARBOXYLIC ACID (16.98)		6 J					
UNKNOWN ALIPHATIC AMINE (10.35)		4 J					
UNKNOWN ALIPHATIC ACID (9.62)		3 J					

EXTRACTABL' 1GANIC ANALYSIS

ERM-Midwest Sample Number	RNS GW S10	RNS GW D4	.3 GW S4	RNS GW D 3	RNS GW S 3	RNS GW D 18	RNS-. .14
Laboratory Sample Number	S059	S060	S061	S062	S063	S064	S066
Remarks						Duplicate of RNS-GW-D-3	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS							
UNKNOWN ALIPHATIC HYDROCARBON(16.13)		3 J					
UNKNOWN IMIDAZOLIDINEDIONE (17.08)				7 J		4 J	
UNKNOWN CARBOXYLIC ACID (25.57)				4 J			
UNKNOWN ALIPHATIC HYDROCARBON (15 6)				2 J			
UNKNOWN CARBOXYLIC ACID (11.55)							3 J
UNKNOWN CYCLIC HYDROCARB (14.95)							
UNKNOWN CHLORINATED ALKYL(11.10)							
UNKNOWN BENZENEAMINE, FLUORO (11 77)							
BENZENESULFONAMIDE, CHLORO (23 27)							
UNKNOWN AROMATIC AMINE (22.17)							
METHANONE, DIPHENYL- (22.17)							
UNKNOWN (27 22)							
BENZENEAMINE, TRIFLUORO (11.73)							
UNKNOWN BENZENE, SULFONYL- (18.78)							
UNKNOWN CHLORINATED BIPHENYL (26.70)							
UNKNOWN SUBSTITUTED BIPHENYL (27 07))							
UNKNOWN BENZ ACID SUB (25 13)							
UNKNOWN ALIPHATIC HYDROCARBON (35 53)							
UNKNOWN ALIPHATIC HYDROCARBON (39 55)							
BENZENE (METHYLSULFONYL) (18.78)							
UNKNOWN ALIPHATIC HYDROCARB (34.00)							
UNKNOWN (27 22)							
UNKNOWN ALIPHATIC HYDROCARB (12.72)							
UNKNOWN ALIPHATIC HYDROCARB (32.70)							
UNKNOWN SUBSTITUTED BENZENE (14.95)							
CYCLOHEXANE, DICHLORO- (13.55)							

EXTRACTABL[illegible]GANIC ANALYSIS

ERM-Midwest S[illegible]ber Laboratory Sampl[illegible]	RNS-GW-D7 S067	RNS-GW-D7DL S067D	[illegible]GW-D9 S070	RNS-GW-S16 S071	RNS-GW-S16-105 S072	RNS-GW-S17 S073	R[illegible]7DL
Remarks		Dilution			Field Blank		Dilution
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS							
UNKNOWN ALIPHATIC HYDROCARB (30.65)							
UNKNOWN ALIPHATIC HYDROCARB (29.77)							
UNKNOWN ALIPHATIC HYDROCARB (31.64)							
UNKNOWN ALIPHATIC HYDROCARB (32.75)							
UNKNOWN ALIPHATIC HYDROCARB (28.89)							
UNKNOWN HYDROCARBON (9.08)	5 R	5 R	5 R	4 R	7 J		
UNKNOWN CYCLIC ALCOHOL (9.67)							
UNKNOWN ALIPHATIC HYDROCARBON (34.07)							
BENZENESULFONAMIDE (21.03)	560 J	680 J	5 R	1300 J		1400 J	1500 J
UNKNOWN CYCLOHEXANOL (13.30)							
UNKNOWN ALIPHATIC HYDROCARBON (12.73)							
UNKNOWN CYCLOHEXANOL (9.73)							
UNKNOWN (8.62)	9 R	9 R					
UNKNOWN (26.84)							
UNKNOWN ALIPHATIC HYDROCARBON (32.77)							
UNKNOWN ALIPHATIC HYDROCARBON (28.89)							
UNKNOWN (10.73)							
UNKNOWN CYCLOHEXANDIOL (13.28)							
UNKNOWN (15.02)							
UNKNOWN ALIPHATIC HYDROCARBON (34.07)							
UNKNOWN AROMATIC HYDROCARBON (21.13)							
UNKNOWN METHOXYETHYL AROMATIC (16.33)	17 J	17 J				86 J	110 J
UNKNOWN BIPHENYL (27.09)							
UNKNOWN BENZENEAMINE, FLUORO (13.05)	13 J	14 J		120 J			54 J
UNKNOWN ALIPHATIC HYDROCARB (23.47)							
UNKNOWN SULFONATED AROMATIC (26.85)							
UNKNOWN AROMATIC AMINE (18.30)							
BENZENESULFONAMIDE, 4-CHLORO (23.25)							
UNKNOWN AROMATIC (25.03)							
AMINO PHENYL ETHANONE ISOMER (20.22)							
UNKNOWN CYCLOPENTANOL (9.67)							
UNKNOWN AROMATIC (20.82)							
UNKNOWN AROMATIC (28.02)							
UNKNOWN ALIPHATIC HYDROCARB (8.87)							
UNKNOWN CARBOXYLIC ACID (16.98)	3 J						
UNKNOWN ALIPHATIC AMINE (10.35)							
UNKNOWN ALIPHATIC ACID (9.62)							

EXTRACTABL' ?GANIC ANALYSIS

ERM-Midwest Sampl. ..umber	RNS-GW-D7	RNS-GW-D7DL	.3-GW-D9	RNS-GW-S16	RNS-GW-S16-106	RNS-GW-S17	RNS-L .7DL
Laboratory Sample Number	S067	S067D	S070	S071	S072	S073	S073D
Remarks		Dilution			Field Blank		Dilution
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS							
UNKNOWN ALIPHATIC HYDROCARBON(16.13)							
UNKNOWN IMIDAZOLIDINEDIONE (17.08)							
UNKNOWN CARBOXYLIC ACID (25.57)							
UNKNOWN ALIPHATIC HYDROCARBON (15 6)							
UNKNOWN CARBOXYLIC ACID (11.55)							
UNKNOWN CYCLIC HYDROCARB (14.95)	3 J						
UNKNOWN CHLORINATED ALKYL(11.10)	3 J						
UNKNOWN BENZENEAMINE, FLUORO (11 77)				23 J			
BENZENESULFONAMIDE, CHLORO (23 27)				5 J		2 J	
UNKNOWN AROMATIC AMINE (22.17)				3 J			
METHANONE, DIPHENYL- (22.17)						4 J	
UNKNOWN (27 22)						3 J	
BENZENEAMINE, TRIFLUORO (11 73)						2 J	
UNKNOWN BENZENE, SULFONYL- (18.78)						2 J	
UNKNOWN CHLORINATED BIPHENYL (26 70)						15 J	
UNKNOWN SUBSTITUTED BIPHENYL (27.07))						3 J	
UNKNOWN BENZ ACID SUB (25.13)							
UNKNOWN ALIPHATIC HYDROCARBON (35 53)							
UNKNOWN ALIPHATIC HYDROCARBON (39.55)							
BENZENE (METHYLSULFONYL) (18.78)							
UNKNOWN ALIPHATIC HYDROCARB (34.00)							
UNKNOWN (27.22)							
UNKNOWN ALIPHATIC HYDROCARB (12.72)							
UNKNOWN ALIPHATIC HYDROCARB (32.70)							
UNKNOWN SUBSTITUTED BENZENE (14.95)							
CYCLOHEXANE, DICHLORO- (13.55)							

EXTRACTA[illegible]GANIC ANALYSIS				
ERM-Midwest [illegible]ber	RNS-GW-D8	RNS-GW-D8DL	[illegible]W-S20	RNS-GW-S20DL
Laboratory Sample Number	S074	S074D	S075	S075D
Remarks		Dilution	Duplicate of RNS-GW-S17	Dilution
Units	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS				
UNKNOWN ALIPHATIC HYDROCARB (30.65)				
UNKNOWN ALIPHATIC HYDROCARB (29.77)				
UNKNOWN ALIPHATIC HYDROCARB (31.64)				
UNKNOWN ALIPHATIC HYDROCARB (32.75)				
UNKNOWN ALIPHATIC HYDROCARB (28.89)				
UNKNOWN HYDROCARBON (9.08)			3 R	
UNKNOWN CYCLIC ALCOHOL (9.67)				
UNKNOWN ALIPHATIC HYDROCARBON (34.07)				
BENZENESULFONAMIDE (21.03)	1700 J	2000 J	3000 J	1700 J
UNKNOWN CYCLOHEXANOL (13.30)				
UNKNOWN ALIPHATIC HYDROCARBON (12.73)				
UNKNOWN CYCLOHEXANOL (9.73)	2 J			
UNKNOWN (8.62)				
UNKNOWN (26.84)				
UNKNOWN ALIPHATIC HYDROCARBON (32.77)				
UNKNOWN ALIPHATIC HYDROCARBON (28.89)				
UNKNOWN (10.73)				
UNKNOWN CYCLOHEXANDIOL (13.28)	3 J			
UNKNOWN (15.02)				
UNKNOWN ALIPHATIC HYDROCARBON (34.07)				
UNKNOWN AROMATIC HYDROCARBON (21.13)				
UNKNOWN METHOXYETHYL AROMATIC (16.33)	85 J	100 J	89 J	100 J
UNKNOWN BIPHENYL (27.09)				
UNKNOWN BENZENEAMINE, FLUORO (13.05)	57 J	66 J		52 J
UNKNOWN ALIPHATIC HYDROCARB (23.47)				
UNKNOWN SULFONATED AROMATIC (26.85)				
UNKNOWN AROMATIC AMINE (18.30)				
BENZENESULFONAMIDE, 4-CHLORO (23.25)				
UNKNOWN AROMATIC (25.03)				
AMINO PHENYL ETHANONE ISOMER (20.22)				
UNKNOWN CYCLOPENTANOL (9.67)				
UNKNOWN AROMATIC (20.82)				
UNKNOWN AROMATIC (28.02)				
UNKNOWN ALIPHATIC HYDROCARB (8.87)	13 R			
UNKNOWN CARBOXYLIC ACID (16.98)	2 J			
UNKNOWN ALIPHATIC AMINE (10.35)				
UNKNOWN ALIPHATIC ACID (9.62)				

EXTRACTABL' 'GANIC ANALYSIS

ERM Midwest Sample number	RNS GW-08	RNS GW 08DL	GW-S20	RNS GW-S20DL
Laboratory Sample Number	S074	S074D	S075	S075D
Remarks		Dilution	Duplicate of RNS-GW-S17	Dilution
Units	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS				
UNKNOWN ALIPHATIC HYDROCARBON(16.13)				
UNKNOWN IMIDAZOLIDINEDIONE (17.08)				
UNKNOWN CARBOXYLIC ACID (25.57)				
UNKNOWN ALIPHATIC HYDROCARBON (15.6)				
UNKNOWN CARBOXYLIC ACID (11.55)				
UNKNOWN CYCLIC HYDROCARB (14.95)				
UNKNOWN CHLORINATED ALKYL(11.10)				
UNKNOWN BENZENEAMINE, FLUORO (11.77)	3 J			
BENZENESULFONAMIDE, CHLORO (23.27)	4 J		2 J	
UNKNOWN AROMATIC AMINE (22.17)				
METHANONE, DIPHENYL- (22.17)	4 J		5 J	
UNKNOWN (27.22)			2 J	
BENZENEAMINE, TRIFLUORO (11.73)			3 J	
UNKNOWN BENZENE, SULFONYL- (18.78)			3 J	
UNKNOWN CHLORINATED BIPHENYL (26.70)	9 J		16 J	
UNKNOWN SUBSTITUTED BIPHENYL (27.07))			4 J	
UNKNOWN BENZ ACID SUB (25.13)	4 J			
UNKNOWN ALIPHATIC HYDROCARBON (35.53)	4 J			
UNKNOWN ALIPHATIC HYDROCARBON (39.55)	3 J			
BENZENE (METHYLSULFONYL) (18.78)	3 J			
UNKNOWN ALIPHATIC HYDROCARB (34.00)	3 J			
UNKNOWN (27.22)	3 J			
UNKNOWN ALIPHATIC HYDROCARB (12.72)	3 J			
UNKNOWN ALIPHATIC HYDROCARB (32.70)	2 J			
UNKNOWN SUBSTITUTED BENZENE (14.95)			4 J	
CYCLOHEXANE, DICHLORO- (13.55)			2 R	

TENTATIVEL[illegible]NTIFIED COMPOUNDS						
ERM-Midwe[illegible] Number	RN[illegible]3	RNS-GW-S13DL	RNS-GW-S2	RNS-GW-S2RE	RNS-GW-D[illegible]	RNS-GW-D19
Laboratory Sam[illegible] Number	S076	S076D	S077	S077RE	S078	S079
Remarks						Duplicate of RNS-GW-D14
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS		Dilution		Reextraction		
BENZOIC ACID (15.55)		4400 R				
BENZENESULFONAMIDE (21.17)		1600 JN			33 JN	29 JN
METHOXYBENZENE ISOMER (16.28)		200 J				
BROMOBENZOIC ACID ISOMER(19.25)		190 J				
UNKNOWN ALKOXY BIPHENYL (27.04)		130 J				
CHLOROBENZENESULFONAMIDE (23.15)		98 J	23 JN	24 J		
ETHANONE, 1-PHENYL- (13.45)	21 JN	31 JN				
UNKNOWN BENZENE ALKANOL (17.42)	10 J	30 J				
BROMOBENZOIC ACID ISOMER (19.57)	64 J	25 J				
BENZENESULFONAMIDE (21.97)	310 JN		2300 JN	1600 JN		
BENZENE, METHOXY ISOMER (16.28)	1800 J		10 J			
BENZENE, SULFONYL, UNKNOWN (22.15)			5 J			
ALKOXYBENZENE ISOMER (36.19)			5 J			
BENZENESULFONAMIDE DERIVATIVE (18.80)	4 J		4 J			
BENZENESULFONIC ACID UNKNOWN (22.62)			4 J			
UNKNOWN (17.02)			3 J			
BENZENESULFONAMIDE-N-(PHENYLSULFONYL) (30.57)				150 J		
UNKNOWN (26.24)	4 J			45 J		
METHOXYBENZENE ISOMER (16.25)				17 J		
UNKNOWN (17.17)				14 J		
UNKNOWN CYCLOHEXANE (19.98)				10 J		
BENZENESULFONAMIDE DERIVATIVE (22.15)				9 J		
BENZOIC ACID (15.02)				8 R	3 R	
DECANOIC ACID (25.48)				8 J		
UNKNOWN SULFONYLBENZENE DERIVATIVE(18.77)				7 J		
UNKNOWN BENZENEDIOL DERIVATIVE(16.68)				6 J		
UNKNOWN (20.48)				5 J		
UNKNOWN (25.05)				3 J		
BENZENESULFONAMIDE, METHYL (22.63)				5 J		
UNKNOWN (16.00)				3 J		
UNKNOWN (19.37)				2 J		
UNKNOWN (27.65)				2 J		
UNKNOWN ALIPHATIC (13.55)	2 J				4 R	
7-OXABICYCLO 4.1.0 HEPTANE (9.07)					4 R	6 R
UNKNOWN CYCLIC ALIPHATIC (13.55)						7 R
CARBOXYLIC ACID (16.63)	5 J					
1,2,3,4,7,7-HEPTACHLOROBICYCLO[2.2.1]HEPT-2-ENE (32.78)						
UNKNOWN METHOXY BENZENE (16.28)						
UNKNOWN CYCLOHEXANE (13.55)						
MIX BENZENESULFONAMIDE + UNK (21.15)						
BUTOXYBIPHENYL ISOMER (26.72)						
CHLOROMETHYL BENZENEMETHANOL ISOMER (17.43)						
BIPHENYL- OL ISOMER(20.63)	3 J					
UNKNOWN AROMATIC (26.89)						
BENZOIC ACID UNK (25.17)						
POSS. PHENYL/NAPHTHYLAMINE(22.13)						

TENTATIVEL' ENTIFIED COMPOUNDS

ERM-Midwest , ,le Number	RNS-(.13	RNS-GW-S13DL	RNS-GW-S2	RNS-GW-S2RE	RNS-GW-D14	RNS-GW-D19
Laboratory Sample Number	S076	S076D	S077	S077RE	S078	S079
Remarks						Duplicate of RNS-GW-D14
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS		Dilution		Reextraction		
BUTOXY BIPHENYL ISOMER (27.07)	5 J					
UNKNOWN (14.17)						
UNKNOWN ALIPHATIC HYDROCARBON (39.57)						
UNKNOWN CYCLOHEXANOL (9.72)						
UNKNOWN ALIPHATIC (35.55)						
ALIPHATIC HYDROCARBON (42.24)						
UNKNOWN KETONE(10.73)						
UNKNOWN KETONE (9.88)						
UNKNOWN (23.40)						
ALIPHATIC HYDROCARBON (29.32)						
1,2,3,4,5,7,7-HEPTACHLOR-BICYCLO[2.2.1] HEPT-2-ENE (32.78)						
UNKNOWN (22.13)						
UNKNOWN IMIDAZOLIDINE (17.02)						
UNKNOWN BENZOYLMORPHOLINE (23.03)						
SATURATED HYDROCARBON (31.60)						
BENZENEMETHANOL DERIVATIVE(16.50)						
SULFUR, MOL. (S8) (26.52)						
UNKNOWN (26.70)						
UNKNOWN (9.03)						
UNKNOWN METHOXYBENZENE (16.27)						
BENZENESULFONAMIDE (20.97)						
HEXYL-PHENOL ISOMER (26.30)						
TRIFLUOROMETHYLBENZAMINE ISOMER (13.33)						
UNKNOWN MONOAROMATIC (22.80)						
DIPHENYL-ETHANEDIONE (24.40)						
CHLORINATED BIPHENYL UNK. (26.82)						
BENZENAMINE UNKNOWN (22.47)	16 J					
UNKNOWN AROMATIC (21.12)						
BIPHENYL-OL UNKNOWN (27.12)						
BENZOIC ACID, BROMO-UNK. (27.39)	13 J					
2,4-DICHLOROPHENOL, BENZENE SULFONATE (27.99)						
CHLOROBIPHENYL -OL, UNK. (28.82)						
CHLOROBIPHENYL -OL, UNK. (23.23)						
1,2,3,4,7,7-HEPTACHLOROBICYCLO[2.2.1]HEPT-2-ENE (32.70)						
UNKNOWN BENZENEMETHANOL (17.43)						
DICHLOROBIPHENYL-OL UNK. (25.08)						
BROMINATED ALIPHATIC UNK. (29.84)	130 JN					
METHANONE, DIPHENYL (22.12)	3 JN					
UNKNOWN AROMATIC (42.02)						
BROMOBENZOIC ACID (27.65)						
BROMODICHLOROBENZENE (17.08)						
METHOXYCHLOR (30.97)						
CHLOROETHENYL BENZENE (14.43)						
4-(TRIFLUOROMETHYL)-BENZENAMINE (13.28)						
1,2,3,4,5,7,7-H(CHLOROBICYCLO2.2.1 HEPT-Z-ENE(32.89)	(				(	
HALOGENAT( )NOAROMATIC (22.83)						

TENTATIVEL NTIFIED COMPOUNDS						
ERM-Midwe Number	RNS 3	RNS-GW-S13DL	RNS-GW-S2	RNS-GW-S2RE	RNS-GW-D	NS-GW-D19
Laboratory Sa umber	S0	S076D	S077	S077RE	S078	S079
Remarks						Duplicate of RNS-GW-D14
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS		Dilution		Reextraction		
HALOGENATED MONOAROMATIC (31.07)						
ETHANEDIONE, DIPHENYL- (24.42)						
OXYGENATED BIPHENYL (26.84)						
HALOGENATED MONOAROMATIC (22.50)						
DICHLOROPHENOL DERIVATIVE (28.05)						
METHYOXYBENZENE ISOMER (16.35)						
DIMETHYL-1,4-BENZENEDIAMINE (21.15)						
HEPTACHLOROBICYCLOHEPTENE ISOMER (33.27)						
CHLOROBIPHENYL-2-OL ISOMER (28.87)						
OXYGENATED BIPHENYL DERIVATIVE (27.15)	110 J					
UNKNOWN AROMATIC (44.05)						
BROMINATED ALIPHATIC (29.90)	11 J					
METHOXYCHLOR (30.12)						
CHLORINATED MONAROMATIC (36.84)						
UNKNOWN AROMATIC (42.24)						
OCTACHLORONAPHTHALENE (31.80)						
CHLOROBIPHENYL-OL, ISOMER (20.65)						
CHLOROBIPHENYL-OL, ISOMER(25.13)						
1,2-ETHANDIOL, 1-PHENYL- (17.48)						
BIPHENYLAMINE DERIVATIVE (30.72)						
UNKNOWN CHLORINATED (38.19)						
CHLOROETHYENYL BENZENE ISOMER (13.53)						
BENZENE, 1-CHLORO-4-(PHENYLSULFONYL) (27.30)						
CARBOXYLIC ACID (25.52)						
UNKNOWN (42.19)						
DIHYDRO-1H ISOMER (18.93)						
ETHANONE, AMINOPHENYL ISOMER(17.47)						
CYCLOPENTANOL ISOMER(9.63)						
UNKNOWN (21.75)						
PHENOL, 4,4-BUTYLIDENE BIS 2-(1,1-DIMETHYLETHYL)-5-METHYL 2 (33.15)						
SATURATED HYDROCARBON (31.59)						
SATURATED HYDROCARBON (35.52)						
SATURATED HYDROCARBON (30.62)						
SATURATED HYDROCARBON (39.55)						
SATURATED HYDROCARBON (32.70)						
SATURATED HYDROCARBON (34.00)						
SATURATED HYDROCARBON (29.74)						
SATURATED HYDROCARBON (45.42)						
CYCLOHEXANEDIOL ISOMER (13.25)						
BENZOIC ACID (14.93)						
PHENOL, TRIMETHYL ISOMER (19.77)						
CHLOROETHENYL BENZENE ISOMER (14.43)						
BENZENE, CHLOROETHENYL ISOMER(13.57)						
DIHYDRO-1H-INDOLE ISOMER (18.98)						
ETHANONE, AMINOPHENYL ISOMER(17.50)						
SULFONATED MONOAROMATIC (42.30)						

TENTATIVEL' 'DENTIFIED COMPOUNDS

ERM-Midwes ple Number	RNS S13	RNS-GW-S13DL	RNS-GW-S2	RNS-GW-S2RE	RNS-GW-D1	RNS-GW-D19
Laboratory Sample Number	S076	S076D	S077	S077RE	S078	S079
Remarks						Duplicate of RNS-GW-D14
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS		Dilution		Reextraction		
PHENOL, TRIMETHYL (21.13)						
UNKNOWN METHOXYALKYL BENZ. (16.33)						
UNK. BIPHENYL/NAPTHALENE (26.75)						
ETHANONE, UNKNOWN AMINOPHENYL (20.22)						
UNKNOWN BENZENAMINE (22.72)						
UNKNOWN ALKYLOXYBIPHENYL (27.07)						
1,1'-BIPHENYL-2-OL (20.62)						
BENZENEMETHANOL, UNK. (17.42)						
UNKNOWN CHLOROAROMATIC (27.97)						
ETHANONE, 1-PHENYL- (13.45)						
2-METHOXY-BENZIMIDAZOLE-3-OXIDE (26.19)						
DIHYDRO-1H-INDOLE (18.93)						
1,2,3,4,7,7,-HEPTACHLOROBICYCLO[2.2.1]HEPT-2-ENE (32.77)						
DIMETHOXY-ETHYLBENZENE ISOMER (18.25)						
CHLOROBIPHENYL -OL, UNK. (28.82)						
BENZOIC ACID DERIVATIVE (16.50)						
BENZOIC ACID (14.97)						
UNKNOWN (22.08)						
PHENOL, 4,4'-BUTYLIDENEBIS (33.15)						
CHLORORBIPHENYL OL, UNKNOWN (23.25)						
CHLOROETHENYLBENZENE UNKNOWN (14.43)						
SULFONATED MONOAROMATIC (24.33)						
CHLOROBIPHENYL,-OL, UNK. (23.05)						
METHOXYALKYLBENZENE UNK. (16.30)						
UNKNOWN AROMATIC (21.08)						
UNKNOWN CYCLOPENTANOL ISOMER (9.67)						
UNKNOWN CYCLOPENTENE ISOMER(9.80)						
BENZENESULFONAMIDE +UNK. (21.83)						
BROMOBENZOIC ACID ISOMER (19.40)						
METHOXYBENZENE UNK. (16.33)						
BENZENESULFONAMIDE, 4-METHYL (22.73)						
ALKOXYBIPHENYL (27.09)						
BENZENEMETHANOL ISOMER (17.45)						
METHYLBENZENESULFONAMIDE (22.18)						
BIPHENYL-OL ISOMER (20.65)						
BROMOBENZOIC ACID ISOMER (16.52)						
CHLOROBENZENESULFONAMIDE (23.32)	86 J					
DIBROMOBENZENE ISOMER (23.03)	24 J					
UNKNOWN CHLORINATED AROMATIC (26.72)						
CHLOROBENZOIC ACID ISOMER (18.28)						
DICHLORINATED AROMATIC UNKNOWN(12.78)	5 J					
UNKNOWN ALKYLBENZENE (25.12)						
UNKNOWN AROMATIC (18.82)						
BENZENEETHANOL (14.30)						
BENEZENES[illegible]NAMIDE (21.20)						
METHOXYE[illegible]E ISOMER (16.28)						

TENTATIVELY IDENTIFIED COMPOUNDS						
ERM-Midwest Sample Number	RNS-GW-S13	RNS-GW-S13DL	RNS-GW-S2	RNS-GW-S2RE	RNS-GW-[illegible]	RNS-GW-D19
Laboratory Sample Number	S076	S076D	S077	S077RE	S078	S079
Remarks						Duplicate of RNS-GW-D14
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS		Dilution		Reextraction		
BROMOBENZOIC ACID ISOMER (19.22)	8 J					
BENZENESULFONAMIDE,2-METHYL (22.00)						
BENZENESULFONAMIDE, 4-METHYL (22.48)						

TENTATIVEL " IDENTIFIED COMPOUNDS						
ERM-Midwes ple Number	RNS S15	RNS-GW-D17	RNS-GW-D15	RNS-GW-D15DL	RNS-GW-S.	RNS-GW-S8DL
Laboratory Sample Number	S081	S083	S086	S086D	S088	S088D
Remarks						
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS				Dilution		Dilution
BENZOIC ACID (15.55)						
BENZENESULFONAMIDE (21.17)	47 JN			1500 JN		1800 JN
METHOXYBENZENE ISOMER (16.28)				270 J	39 J	41 J
BROMOBENZOIC ACID ISOMER(19.25)						
UNKNOWN ALKOXY BIPHENYL (27.04)						
CHLOROBENZENESULFONAMIDE (23.15)		3 J				
ETHANONE, 1-PHENYL- (13.45)						
UNKNOWN BENZENE ALKANOL (17.42)						
BROMOBENZOIC ACID ISOMER (19.57)						
BENZENESULFONAMIDE (21.97)		1300 JN	500 JN		1300 JN	
BENZENE, METHOXY ISOMER (16.28)						
BENZENE, SULFONYL, UNKNOWN (22.15)						
ALKOXYBENZENE ISOMER (36.19)						
BENZENESULFONAMIDE DERIVATIVE (18.80)			5 J		2 J	
BENZENESULFONIC ACID UNKNOWN (22.62)						
UNKNOWN (17.02)						
BENZENESULFONAMIDE-N-(PHENYLSULFONYL) (30.57)			12 J			
UNKNOWN (26.24)						
METHOXYBENZENE ISOMER (16.25)					7 J	
UNKNOWN (17.17)			10 J			
UNKNOWN CYCLOHEXANE (19.98)						
BENZENESULFONAMIDE DERIVATIVE (22.15)						
BENZOIC ACID (15.02)					4 R	
DECANOIC ACID (25.48)						
UNKNOWN SULFONYLBENZENE DERIVATIVE(18.77)						
UNKNOWN BENZENEDIOL DERIVATIVE(16.68)						
UNKNOWN (20.48)						
UNKNOWN (25.05)						
BENZENESULFONAMIDE, METHYL (22.63)						
UNKNOWN (16.00)						
UNKNOWN (19.37)						
UNKNOWN (27.65)						
UNKNOWN ALIPHATIC (13.55)						
7-OXABICYCLO 4.1.0 HEPTANE (9.07)	2 R	3 JN	15 J		2 R	
UNKNOWN CYCLIC ALIPHATIC (13.55)			5 R		3 R	
CARBOXYLIC ACID (16.63)	2 J					
1,2,3,4,7,7-HEPTACHLOROBICYCLO[2.2.1]HEPT-2-ENE (32.78)	2 JN					
UNKNOWN METHOXY BENZENE (16.28)		10 J	180 J			
UNKNOWN CYCLOHEXANE (13.55)						
MIX BENZENESULFONAMIDE + UNK (21.15)			270 J			
BUTOXYBIPHENYL ISOMER (26.72)			26 J			
CHLOROMETHYL BENZENEMETHANOL ISOMER (17.43)			19 J			
BIPHENYL- OL ISOMER(20.63)			14 J			
UNKNOWN AROMATIC (26.89)			12 J			
BENZOIC AC NK (25.17)			11 J			
POSS. PHEN HTHYLAMINE(22.13)			9 J			

TENTATIVELY IDENTIFIED COMPOUNDS

ERM-Midwest Sample Number	RNS-GW-D15	RNS-GW-D17	RNS-GW-D15	RNS-GW-D15DL	RNS-GW-S8	NS-GW-S8DL
Laboratory Sample Number		S083	S086	S086D	S088	S088D
Remarks						
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS				Dilution		Dilution
BUTOXY BIPHENYL ISOMER (27.07)			7 J			
UNKNOWN (14.17)			7 J			
UNKNOWN ALIPHATIC HYDROCARBON (39.57)			5 J			
UNKNOWN CYCLOHEXANOL (9.72)			5 R			
UNKNOWN ALIPHATIC (35.55)			5 R			
ALIPHATIC HYDROCARBON (42.24)			4 J			
UNKNOWN KETONE(10.73)			4 J			
UNKNOWN KETONE (9.88)			4 R			
UNKNOWN (23.40)			3 J			
ALIPHATIC HYDROCARBON (29.32)			3 J			
1,2,3,4,5,7,7-HEPTACHLOR-BICYCLO[2.2.1] HEPT-2-ENE (32.78)					9 J	
UNKNOWN (22.13)					4 J	
UNKNOWN IMIDAZOLIDINE (17.02)					3 J	
UNKNOWN BENZOYLMORPHOLINE (23.03)					3 J	
SATURATED HYDROCARBON (31.60)					2 J	
BENZENEMETHANOL DERIVATIVE(16.50)					2 J	
SULFUR, MOL. (S8) (26.52)						
UNKNOWN (26.70)						
UNKNOWN (9.03)						
UNKNOWN METHOXYBENZENE (16.27)						
BENZENESULFONAMIDE (20.97)						
HEXYL-PHENOL ISOMER (26.30)						
TRIFLUOROMETHYLBENZAMINE ISOMER (13.33)						
UNKNOWN MONOAROMATIC (22.80)						
DIPHENYL-ETHANEDIONE (24.40)						
CHLORINATED BIPHENYL UNK. (26.82)						
BENZENAMINE UNKNOWN (22.47)						
UNKNOWN AROMATIC (21.12)						
BIPHENYL-OL UNKNOWN (27.12)						
BENZOIC ACID, BROMO-UNK. (27.39)						
2,4-DICHLOROPHENOL, BENZENE SULFONATE (27.99)						
CHLOROBIPHENYL -OL, UNK. (28.82)						
CHLOROBIPHENYL -OL, UNK. (23.23)						
1,2,3,4,7,7-HEPTACHLOROBICYCLO[2.2.1]HEPT-2-ENE (32.70)						
UNKNOWN BENZENEMETHANOL (17.43)						
DICHLOROBIPHENYL-OL UNK. (25.08)						
BROMINATED ALIPHATIC UNK. (29.84)						
METHANONE, DIPHENYL (22.12)						
UNKNOWN AROMATIC (42.02)						
BROMOBENZOIC ACID (27.65)						
BROMODICHLOROBENZENE (17.08)						
METHOXYCHLOR (30.97)						
CHLOROETHENYL BENZENE (14.43)						
4-(TRIFLUOROMETHYL)-BENZENAMINE (13.28)						
1,2,3,4,5,7,7-HEPTACHLOROBICYCLO2.2.1 HEPT-Z-ENE(32.89)						
HALOGENATED MONOAROMATIC (22.83)						

TENTATIVEL " 'DENTIFIED COMPOUNDS						
ERM-Midwest ple Number	RNS S15	RNS-GW-D17	RNS-GW-D15	RNS-GW-D15DL	RNS-GW-S	RNS-GW-S8DL
Laboratory Sample Number	S081	S083	S086	S086D	S088	S088D
Remarks						
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS				Dilution		Dilution
HALOGENATED MONOAROMATIC (31.07)						
ETHANEDIONE, DIPHENYL- (24.42)						
OXYGENATED BIPHENYL (26.84)						
HALOGENATED MONOAROMATIC (22.50)						
DICHLOROPHENOL DERIVATIVE (28.05)						
METHYOXYBENZENE ISOMER (16.35)						
DIMETHYL-1,4-BENZENEDIAMINE (21.15)						
HEPTACHLOROBICYCLOHEPTENE ISOMER (33.27)						
CHLOROBIPHENYL-2-OL ISOMER (28.87)						
OXYGENATED BIPHENYL DERIVATIVE (27.15)						
UNKNOWN AROMATIC (44.05)						
BROMINATED ALIPHATIC (29.90)						
METHOXYCHLOR (30.12)						
CHLORINATED MONAROMATIC (36.84)						
UNKNOWN AROMATIC (42.24)						
OCTACHLORONAPHTHALENE (31.80)						
CHLOROBIPHENYL-OL, ISOMER (20.65)						
CHLOROBIPHENYL-OL, ISOMER(25.13)						
1,2-ETHANDIOL, 1-PHENYL- (17.48)						
BIPHENYLAMINE DERIVATIVE (30.72)						
UNKNOWN CHLORINATED (38.19)						
CHLOROETHYENYL BENZENE ISOMER (13.53)						
BENZENE, 1-CHLORO-4-(PHENYLSULFONYL) (27.30)						
CARBOXYLIC ACID (25.52)						
UNKNOWN (42.19)						
DIHYDRO-1H ISOMER (18.93)						
ETHANONE, AMINOPHENYL ISOMER(17.47)						
CYCLOPENTANOL ISOMER(9.63)						
UNKNOWN (21.75)						
PHENOL, 4,4-BUTYLIDENE BIS 2-(1,1-DIMETHYLETHYL)-5-METHYL 2 (33.15)						
SATURATED HYDROCARBON (31.59)						
SATURATED HYDROCARBON (35.52)						
SATURATED HYDROCARBON (30.62)						
SATURATED HYDROCARBON (39.55)						
SATURATED HYDROCARBON (32.70)						
SATURATED HYDROCARBON (34.00)						
SATURATED HYDROCARBON (29.74)						
SATURATED HYDROCARBON (45.42)						
CYCLOHEXANEDIOL ISOMER (13.25)						
BENZOIC ACID (14.93)						
PHENOL, TRIMETHYL ISOMER (19.77)						
CHLOROETHENYL BENZENE ISOMER (14.43)						
BENZENE, CHLOROETHENYL ISOMER(13.57)						
DIHYDRO-1H-INDOLE ISOMER (18.98)						
ETHANONE, [illegible]OPHENYL ISOMER(17.50)						
SULFONATI[illegible]OAROMATIC (42.30)						

TENTATIVE[illegible]ENTIFIED COMPOUNDS						
ERM-Midw[illegible]e Number	RN[illegible]15	RNS-GW-D17	RNS-GW-D15	RNS-GW-D15DL	RNS-GW[illegible]	NS-GW-S8DL
Laboratory Samp[illegible] Number	S08[illegible]	S083	S086	S086D	S088	S088D
Remarks						
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS				Dilution		Dilution
PHENOL, TRIMETHYL (21.13)						
UNKNOWN METHOXYALKYL BENZ. (16.33)						
UNK. BIPHENYL/NAPTHALENE (26.75)						
ETHANONE, UNKNOWN AMINOPHENYL (20.22)						
UNKNOWN BENZENAMINE (22.72)						
UNKNOWN ALKYLOXYBIPHENYL (27.07)						
1,1'-BIPHENYL-2-OL (20.62)						
BENZENEMETHANOL, UNK. (17.42)						
UNKNOWN CHLOROAROMATIC (27.97)						
ETHANONE, 1-PHENYL- (13.45)						
2-METHOXY-BENZIMIDAZOLE-3-OXIDE (26.19)						
DIHYDRO-1H-INDOLE (18.93)						
1,2,3,4,7,7,-HEPTACHLOROBICYCLO[2.2.1]HEPT-2-ENE (32.77)						
DIMETHOXY-ETHYLBENZENE ISOMER (18.25)						
CHLOROBIPHENYL -OL, UNK. (28.82)						
BENZOIC ACID DERIVATIVE (16.50)						
BENZOIC ACID (14.97)						
UNKNOWN (22.08)						
PHENOL, 4,4'-BUTYLIDENEBIS (33.15)						
CHLORORBIPHENYL-OL, UNKNOWN (23.25)						
CHLOROETHENYLBENZENE UNKNOWN (14.43)						
SULFONATED MONOAROMATIC (24.33)						
CHLOROBIPHENYL,-OL, UNK. (23.05)						
METHOXYALKYLBENZENE UNK. (16.30)						
UNKNOWN AROMATIC (21.08)						
UNKNOWN CYCLOPENTANOL ISOMER (9.67)						
UNKNOWN CYCLOPENTENE ISOMER(9.80)						
BENZENESULFONAMIDE +UNK. (21.83)						
BROMOBENZOIC ACID ISOMER (19.40)						
METHOXYBENZENE UNK. (16.33)						
BENZENESULFONAMIDE, 4-METHYL (22.73)						
ALKOXYBIPHENYL (27.09)						
BENZENEMETHANOL ISOMER (17.45)						
METHYLBENZENESULFONAMIDE (22.18)						
BIPHENYL-OL ISOMER (20.65)						
BROMOBENZOIC ACID ISOMER (16.52)						
CHLOROBENZENESULFONAMIDE (23.32)						
DIBROMOBENZENE ISOMER (23.03)						
UNKNOWN CHLORINATED AROMATIC (26.72)						
CHLOROBENZOIC ACID ISOMER (18.28)						
DICHLORINATED AROMATIC UNKNOWN(12.78)						
UNKNOWN ALKYLBENZENE (25.12)						
UNKNOWN AROMATIC (18.82)						
BENZENEETHANOL (14.30)						
BENEZENESULFONAMIDE (21.20)						
METHOXYBENZENE ISOMER (16.28)						

ERM-Midwe[illegible] [illegible]mple Number	RN[illegible]/-S15	RNS-GW-D17	RNS-GW-D15	RNS-GW-D15DL	RNS-GW-[illegible]	RNS-GW-S8DI
Laboratory S[illegible]e Number	S081	S083	S086	S086D	S088	S088D
Remarks						
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS				Dilution		Dilution
BROMOBENZOIC ACID ISOMER (19.22)						
BENZENESULFONAMIDE,2-METHYL (22.00)						
BENZENESULFONAMIDE, 4-METHYL (22.48)						

TENTATIVEI	ENTIFIED COMPOUNDS						
ERM-Midw	e Number	R	2	RNS-GW-D2DL	RNS-GW-D12	RNS-GW-D12DL	RNS-GW	NS-GW-S21DL
Laboratory	Number			S089D	S090R2	S090D	S091	S091D
Remarks							Duplicate of RNS-GW-D12	
Units		ug/L		ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS				Dilution		Dilution		Dilution
BENZOIC ACID (15.55)								
BENZENESULFONAMIDE (21.17)		120 JN						
METHOXYBENZENE ISOMER (16.28)								
BROMOBENZOIC ACID ISOMER(19.25)								
UNKNOWN ALKOXY BIPHENYL (27.04)								
CHLOROBENZENESULFONAMIDE (23.15)								
ETHANONE, 1-PHENYL- (13.45)								
UNKNOWN BENZENE ALKANOL (17.42)								
BROMOBENZOIC ACID ISOMER (19.57)								
BENZENESULFONAMIDE (21.97)								
BENZENE, METHOXY ISOMER (16.28)					110 J			
BENZENE, SULFONYL, UNKNOWN (22.15)								
ALKOXYBENZENE ISOMER (36.19)								
BENZENESULFONAMIDE DERIVATIVE (18.80)								
BENZENESULFONIC ACID UNKNOWN (22.62)								
UNKNOWN (17.02)								
BENZENESULFONAMIDE-N-(PHENYLSULFONYL) (30.57)								
UNKNOWN (26.24)								
METHOXYBENZENE ISOMER (16.25)								
UNKNOWN (17.17)								
UNKNOWN CYCLOHEXANE (19.98)								
BENZENESULFONAMIDE DERIVATIVE (22.15)								
BENZOIC ACID (15.02)								
DECANOIC ACID (25.48)								
UNKNOWN SULFONYLBENZENE DERIVATIVE(18.77)								
UNKNOWN BENZENEDIOL DERIVATIVE(16.68)								
UNKNOWN (20.48)								
UNKNOWN (25.05)								
BENZENESULFONAMIDE, METHYL (22.63)								
UNKNOWN (16.00)								
UNKNOWN (19.37)								
UNKNOWN (27.65)								
UNKNOWN ALIPHATIC (13.55)								
7-OXABICYCLO 4.1.0 HEPTANE (9.07)								
UNKNOWN CYCLIC ALIPHATIC (13.55)								
CARBOXYLIC ACID (16.63)								
1,2,3,4,7,7-HEPTACHLOROBICYCLO[2.2.1]HEPT-2-ENE (32.78)								
UNKNOWN METHOXY BENZENE (16.28)								
UNKNOWN CYCLOHEXANE (13.55)		3 R						
MIX BENZENESULFONAMIDE + UNK (21.15)								
BUTOXYBIPHENYL ISOMER (26.72)								
CHLOROMETHYL BENZENEMETHANOL ISOMER (17.43)								
BIPHENYL- OL ISOMER(20.63)					24 J			
UNKNOWN AROMATIC (26.89)								
BENZOIC ACID UNK (25.17)								
POSS. PHENYL/NAPHTHYLAMINE(22.13)								

TENTATIVEL ''DENTIFIED COMPOUNDS						
ERM-Midwes ple Number	RNS -D2	RNS-GW-D2DL	RNS-GW-D12	RNS-GW-D12DL	RNS-GW-S21	RNS-GW-S21DL
Laboratory Sample Number	S089	S089D	S090R2	S090D	S091	S091D
Remarks					Duplicate of RNS-GW-D12	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS		Dilution		Dilution		Dilution
BUTOXY BIPHENYL ISOMER (27.07)						
UNKNOWN (14.17)						
UNKNOWN ALIPHATIC HYDROCARBON (39.57)						
UNKNOWN CYCLOHEXANOL (9.72)						
UNKNOWN ALIPHATIC (35.55)						
ALIPHATIC HYDROCARBON (42.24)						
UNKNOWN KETONE(10.73)						
UNKNOWN KETONE (9.88)						
UNKNOWN (23.40)						
ALIPHATIC HYDROCARBON (29.32)						
1,2,3,4,5,7,7-HEPTACHLOR-BICYCLO[2.2.1] HEPT-2 ENE (32.78)						
UNKNOWN (22.13)						
UNKNOWN IMIDAZOLIDINE (17.02)						
UNKNOWN BENZOYLMORPHOLINE (23.03)						
SATURATED HYDROCARBON (31.60)						
BENZENEMETHANOL DERIVATIVE(16.50)						
SULFUR, MOL. (S8) (26.52)	6 J					
UNKNOWN (26.70)	3 J					
UNKNOWN (9.03)	3 R					
UNKNOWN METHOXYBENZENE (16.27)	3 J					
BENZENESULFONAMIDE (20.97)		100 JN				
HEXYL-PHENOL ISOMER (26.30)			1900 J			
TRIFLUOROMETHYLBENZAMINE ISOMER (13.33)			760 J			
UNKNOWN MONOAROMATIC (22.80)			320 J			
DIPHENYL-ETHANEDIONE (24.40)			240 J			
CHLORINATED BIPHENYL UNK. (26.82)			230 J			
BENZENAMINE UNKNOWN (22.47)			230 J			
UNKNOWN AROMATIC (21.12)			140 J			
BIPHENYL-OL UNKNOWN (27.12)			86 J			
BENZOIC ACID, BROMO-UNK. (27.39)			62 J			
2,4-DICHLOROPHENOL, BENZENE SULFONATE (27.99)			58 JN			
CHLOROBIPHENYL -OL, UNK. (28.82)			44 J			
CHLOROBIPHENYL -OL, UNK. (23.23)			44 J			
1,2,3,4,7,7-HEPTACHLOROBICYCLO[2.2.1]HEPT-2-ENE (32.70)			43 JN			
UNKNOWN BENZENEMETHANOL (17.43)			38 J			
DICHLOROBIPHENYL-OL UNK. (25.08)			35 J			
BROMINATED ALIPHATIC UNK. (29.84)			33 J			
METHANONE, DIPHENYL (22.12)			28 JN			
UNKNOWN AROMATIC (42.02)			20 J			
BROMOBENZOIC ACID (27.65)			17 J		78 J	
BROMODICHLOROBENZENE (17.08)			11 J			
METHOXYCHLOR (30.97)			16 JN			
CHLOROETHENYL BENZENE (14.43)			10 J			
4-(TRIFLUOROMETHYL)-BENZENAMINE (13.28)					590 JN	
1,2,3,4,5,7,7-H CHLOROBICYCLO2.2.1 HEPT-Z-ENE(32.89)					580 JN	
HALOGENAT NOAROMATIC (22.83)					290 J	

TENTATIVE[illegible]ENTIFIED COMPOUNDS						
ERM-Midw[illegible]e Number	R[illegible]2	RNS-GW-D2DL	RNS-GW-D12	RNS-GW-D12DL	RNS-GW[illegible]	NS-GW-S21DL
Laboratory S[illegible] Number	[illegible]089	S089D	S090R2	S090D	S091	S091D
Remarks					Duplicate of RNS-GW-D12	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS		Dilution		Dilution		Dilution
HALOGENATED MONOAROMATIC (31.07)					280 J	
ETHANEDIONE, DIPHENYL- (24.42)					210 JN	
OXYGENATED BIPHENYL (26.84)					210 J	
HALOGENATED MONOAROMATIC (22.50)					210 J	
DICHLOROPHENOL DERIVATIVE (28.05)					140 J	
METHYOXYBENZENE ISOMER (16.35)					120 J	
DIMETHYL-1,4-BENZENEDIAMINE (21.15)					120 J	
HEPTACHLOROBICYCLOHEPTENE ISOMER (33.27)					100 J	
CHLOROBIPHENYL-2-OL ISOMER (28.87)					83 J	
OXYGENATED BIPHENYL DERIVATIVE (27.15)					81 J	
UNKNOWN AROMATIC (44.05)					70 J	
BROMINATED ALIPHATIC (29.90)					60 J	
METHOXYCHLOR (30.12)					60 JN	
CHLORINATED MONAROMATIC (36.84)			11 J		44 J	
UNKNOWN AROMATIC (42.24)					37 J	
OCTACHLORONAPHTHALENE (31.80)					36 JN	
CHLOROBIPHENYL-OL, ISOMER (20.65)					33 J	
CHLOROBIPHENYL-OL, ISOMER(25.13)					32 J	
1,2-ETHANDIOL, 1-PHENYL- (17.48)					30 JN	
BIPHENYLAMINE DERIVATIVE (30.72)					28 J	
UNKNOWN CHLORINATED (38.19)					28 J	
CHLOROETHYENYL BENZENE ISOMER (13.53)						
BENZENE, 1-CHLORO-4-(PHENYLSULFONYL) (27.30)						
CARBOXYLIC ACID (25.52)						
UNKNOWN (42.19)						
DIHYDRO-1H ISOMER (18.93)						
ETHANONE, AMINOPHENYL ISOMER(17.47)						
CYCLOPENTANOL ISOMER(9.63)						
UNKNOWN (21.75)						
PHENOL, 4,4-BUTYLIDENE BIS 2-(1,1-DIMETHYLETHYL)-5-METHYL 2 (33.15)						
SATURATED HYDROCARBON (31.59)						
SATURATED HYDROCARBON (35.52)						
SATURATED HYDROCARBON (30.62)						
SATURATED HYDROCARBON (39.55)						
SATURATED HYDROCARBON (32.70)						
SATURATED HYDROCARBON (34.00)						
SATURATED HYDROCARBON (29.74)						
SATURATED HYDROCARBON (45.42)						
CYCLOHEXANEDIOL ISOMER (13.25)						
BENZOIC ACID (14.93)						
PHENOL, TRIMETHYL ISOMER (19.77)						
CHLOROETHENYL BENZENE ISOMER (14.43)						
BENZENE, CHLOROETHENYL ISOMER(13.57)						
DIHYDRO-1H-INDOLE ISOMER (18.98)						
ETHANONE, AMINOPHENYL ISOMER(17.50)						
SULFONATED MONOAROMATIC (42.30)						

TENTATIVEL ' DENTIFIED COMPOUNDS

ERM-Midwest ple Number	RNS- D2	RNS-GW-D2DL	RNS-GW-D12	RNS-GW-D12DL	RNS-GW-S21	(NS-GW-S21DL
Laboratory Sample Number	S089	S089D	S090R2	S090D	S091	S091D
Remarks					Duplicate of RNS GW D12	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS		Dilution		Dilution		Dilution
PHENOL, TRIMETHYL (21.13)						
UNKNOWN METHOXYALKYL BENZ. (16.33)						
UNK. BIPHENYL/NAPTHALENE (26.75)						
ETHANONE, UNKNOWN AMINOPHENYL (20.22)						
UNKNOWN BENZENAMINE (22.72)						
UNKNOWN ALKYLOXYBIPHENYL (27.07)						
1,1'-BIPHENYL-2-OL (20.62)						
BENZENEMETHANOL, UNK. (17.42)						
UNKNOWN CHLOROAROMATIC (27.97)						
ETHANONE, 1-PHENYL- (13.45)						
2-METHOXY-BENZIMIDAZOLE-3-OXIDE (26.19)						
DIHYDRO-1H-INDOLE (18.93)						
1,2,3,4,7,7,-HEPTACHLOROBICYCLO[2.2.1]HEPT-2-ENE (32.77)						
DIMETHOXY-ETHYLBENZENE ISOMER (18.25)						
CHLOROBIPHENYL -OL, UNK. (28.82)						
BENZOIC ACID DERIVATIVE (16.50)						
BENZOIC ACID (14.97)						
UNKNOWN (22.08)						
PHENOL, 4,4'-BUTYLIDENEBIS (33.15)						
CHLORORBIPHENYL-OL, UNKNOWN (23.25)						
CHLOROETHENYL BENZENE UNKNOWN (14.43)						
SULFONATED MONOAROMATIC (24.33)						
CHLOROBIPHENYL,-OL, UNK. (23.05)						
METHOXYALKYLBENZENE UNK. (16.30)						
UNKNOWN AROMATIC (21.08)						
UNKNOWN CYCLOPENTANOL ISOMER (9.67)						
UNKNOWN CYCLOPENTENE ISOMER(9.80)						
BENZENESULFONAMIDE +UNK. (21.83)						
BROMOBENZOIC ACID ISOMER (19.40)						
METHOXYBENZENE UNK. (16.33)						
BENZENESULFONAMIDE, 4-METHYL (22.73)						
ALKOXYBIPHENYL (27.09)						
BENZENEMETHANOL ISOMER (17.45)						
METHYLBENZENESULFONAMIDE (22.18)						
BIPHENYL-OL ISOMER (20.65)						
BROMOBENZOIC ACID ISOMER (16.52)						
CHLOROBENZENESULFONAMIDE (23.32)						
DIBROMOBENZENE ISOMER (23.03)						
UNKNOWN CHLORINATED AROMATIC (26.72)						
CHLOROBENZOIC ACID ISOMER (18.28)						
DICHLORINATED AROMATIC UNKNOWN(12.78)						
UNKNOWN ALKYLBENZENE (25.12)						
UNKNOWN AROMATIC (18.82)						
BENZENEETHANOL (14.30)						
BENEZENES[illegible]IAMIDE (21.20)						
METHOXYL[illegible]E ISOMER (16.28)						

TENTATIVE[illegible]DENTIFIED COMPOUNDS						
ERM-Midw[illegible]le Number	R[illegible]D2	RNS-GW-D2DL	RNS-GW-D12	RNS-GW-D12DL	RNS-GW[illegible]	[illegible]NS-GW-S21DL
Laboratory S[illegible] Number	[illegible]	S089D	S090R2	S090D	S091	S091D
Remarks					Duplicate of RNS-GW-D12	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS		Dilution		Dilution		Dilution
BROMOBENZOIC ACID ISOMER (19.22)						
BENZENESULFONAMIDE,2-METHYL (22.00)						
BENZENESULFONAMIDE, 4-METHYL (22.48)						

TENTATIVEI DENTIFIED COMPOUNDS

ERM-Midwest ple Number	RNS- S7	RNS-GW-S7DL	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D1	RNS-GW-S7-106
Laboratory Sample Number	S092	S092D	S093	S093D	S094	S095
Remarks						Field Blank
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS		Dilution		Dilution		
BENZOIC ACID (15.55)						
BENZENESULFONAMIDE (21.17)	710 JN	940 JN				
METHOXYBENZENE ISOMER (16.28)						
BROMOBENZOIC ACID ISOMER(19.25)						
UNKNOWN ALKOXY BIPHENYL (27.04)						
CHLOROBENZENESULFONAMIDE (23.15)						
ETHANONE, 1-PHENYL- (13.45)						
UNKNOWN BENZENE ALKANOL (17.42)						
BROMOBENZOIC ACID ISOMER (19.57)						
BENZENESULFONAMIDE (21.97)						
BENZENE, METHOXY ISOMER (16.28)		20 J				
BENZENE, SULFONYL., UNKNOWN (22.15)						
ALKOXYBENZENE ISOMER (36.19)						
BENZENESULFONAMIDE DERIVATIVE (18.80)						
BENZENESULFONIC ACID UNKNOWN (22.62)						
UNKNOWN (17.02)						
BENZENESULFONAMIDE-N-(PHENYLSULFONYL) (30.57)						
UNKNOWN (26.24)						
METHOXYBENZENE ISOMER (16.25)	21 J					
UNKNOWN (17.17)						
UNKNOWN CYCLOHEXANE (19.98)						
BENZENESULFONAMIDE DERIVATIVE (22.15)						
BENZOIC ACID (15.02)						
DECANOIC ACID (25.48)						
UNKNOWN SULFONYLBENZENE DERIVATIVE(18.77)						
UNKNOWN BENZENEDIOL DERIVATIVE(16.68)						
UNKNOWN (20.48)						
UNKNOWN (25.05)						
BENZENESULFONAMIDE, METHYL (22.63)	5 JN					
UNKNOWN (16.00)						
UNKNOWN (19.37)						
UNKNOWN (27.65)						
UNKNOWN ALIPHATIC (13.55)						
7-OXABICYCLO 4.1.0 HEPTANE (9.07)						
UNKNOWN CYCLIC ALIPHATIC (13.55)						
CARBOXYLIC ACID (16.63)						
1,2,3,4,7,7-HEPTACHLOROBICYCLO[2.2.1]HEPT-2-ENE (32.78)					100	
UNKNOWN METHOXY BENZENE (16.28)						
UNKNOWN CYCLOHEXANE (13.55)						
MIX BENZENESULFONAMIDE + UNK (21.15)						
BUTOXYBIPHENYL ISOMER (26.72)						
CHLOROMETHYL BENZENEMETHANOL ISOMER (17.43)						
BIPHENYL- OL ISOMER(20.63)						
UNKNOWN AROMATIC (26.89)						
BENZOIC AC NK (25.17)						
POSS. PHEN HTHYLAMINE(22.13)						

TENTATIVE NTIFIED COMPOUNDS						
ERM-Midwe e Number	RN 7	RNS-GW-S7DL	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-	NS-GW-S7-106
Laboratory Sample Number	S092	S092D	S093	S093D	S094	S095
Remarks						Field Blank
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS		Dilution		Dilution		
BUTOXY BIPHENYL ISOMER (27.07)						
UNKNOWN (14.17)						
UNKNOWN ALIPHATIC HYDROCARBON (39.57)						
UNKNOWN CYCLOHEXANOL (9.72)						
UNKNOWN ALIPHATIC (35.55)						
ALIPHATIC HYDROCARBON (42.24)						
UNKNOWN KETONE(10.73)						
UNKNOWN KETONE (9.88)						
UNKNOWN (23.40)						
ALIPHATIC HYDROCARBON (29.32)						
1,2,3,4,5,7,7-HEPTACHLOR-BICYCLO[2.2.1] HEPT-2-ENE (32.78)						
UNKNOWN (22.13)						
UNKNOWN IMIDAZOLIDINE (17.02)						
UNKNOWN BENZOYLMORPHOLINE (23.03)						
SATURATED HYDROCARBON (31.60)						
BENZENEMETHANOL DERIVATIVE(16.50)						
SULFUR, MOL. (S8) (26.52)	170 J					
UNKNOWN (26.70)						
UNKNOWN (9.03)						
UNKNOWN METHOXYBENZENE (16.27)						
BENZENESULFONAMIDE (20.97)						
HEXYL-PHENOL ISOMER (26.30)					52	
TRIFLUOROMETHYLBENZAMINE ISOMER (13.33)						
UNKNOWN MONOAROMATIC (22.80)						
DIPHENYL-ETHANEDIONE (24.40)						
CHLORINATED BIPHENYL UNK. (26.82)						
BENZENAMINE UNKNOWN (22.47)						
UNKNOWN AROMATIC (21.12)						
BIPHENYL-OL UNKNOWN (27.12)						
BENZOIC ACID, BROMO-UNK. (27.39)						
2,4-DICHLOROPHENOL, BENZENE SULFONATE (27.99)						
CHLOROBIPHENYL -OL, UNK. (28.82)						
CHLOROBIPHENYL -OL, UNK. (23.23)						
1,2,3,4,7,7-HEPTACHLOROBICYCLO[2.2.1]HEPT-2-ENE (32.70)						
UNKNOWN BENZENEMETHANOL (17.43)						
DICHLOROBIPHENYL-OL UNK. (25.08)						
BROMINATED ALIPHATIC UNK. (29.84)						
METHANONE, DIPHENYL (22.12)						
UNKNOWN AROMATIC (42.02)						
BROMOBENZOIC ACID (27.65)						
BROMODICHLOROBENZENE (17.08)						
METHOXYCHLOR (30.97)						
CHLOROETHENYL BENZENE (14.43)						
4-(TRIFLUOROMETHYL)-BENZENAMINE (13.28)						
1,2,3,4,5,7,7-HEPTACHLOROBICYCLO2.2.1 HEPT-Z-ENE(32.89)						
HALOGENATED MONOAROMATIC (22.83)						

TENTATIVEI DENTIFIED COMPOUNDS						
ERM-Midwest ple Number	RNS-S7	RNS-GW-S7DL	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D1	RNS-GW-S7-106
Laboratory Sample Number	S092	S092D	S093	S093D	S094	S095
Remarks						Field Blank
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS		Dilution		Dilution		
HALOGENATED MONOAROMATIC (31.07)						
ETHANEDIONE, DIPHENYL- (24.42)						
OXYGENATED BIPHENYL (26.84)						
HALOGENATED MONOAROMATIC (22.50)						
DICHLOROPHENOL DERIVATIVE (28.05)						
METHYOXYBENZENE ISOMER (16.35)						
DIMETHYL-1,4-BENZENEDIAMINE (21.15)						
HEPTACHLOROBICYCLOHEPTENE ISOMER (33.27)						
CHLOROBIPHENYL-2-OL ISOMER (28.87)						
OXYGENATED BIPHENYL DERIVATIVE (27.15)						
UNKNOWN AROMATIC (44.05)						
BROMINATED ALIPHATIC (29.90)						
METHOXYCHLOR (30.12)						
CHLORINATED MONAROMATIC (36.84)						
UNKNOWN AROMATIC (42.24)						
OCTACHLORONAPHTHALENE (31.80)						
CHLOROBIPHENYL-OL, ISOMER (20.65)						
CHLOROBIPHENYL-OL, ISOMER(25.13)						
1,2-ETHANDIOL, 1-PHENYL- (17.48)						
BIPHENYLAMINE DERIVATIVE (30.72)						
UNKNOWN CHLORINATED (38.19)						
CHLOROETHYENYL BENZENE ISOMER (13.53)	31 J					
BENZENE, 1-CHLORO-4-(PHENYLSULFONYL) (27.30)	14 JN					
CARBOXYLIC ACID (25.52)	13 J					
UNKNOWN (42.19)	12 J					
DIHYDRO-1H ISOMER (18.93)	11 J					
ETHANONE, AMINOPHENYL ISOMER(17.47)	11 J					
CYCLOPENTANOL ISOMER(9.63)	7 R					
UNKNOWN (21.75)	7 J					
PHENOL, 4,4-BUTYLIDENE BIS 2-(1,1-DIMETHYLETHYL)-5-METHYL 2 (33.15)	6 JN					
SATURATED HYDROCARBON (31.59)	6 J					
SATURATED HYDROCARBON (35.52)	5 J					
SATURATED HYDROCARBON (30.62)	5 J					
SATURATED HYDROCARBON (39.55)	5 J					
SATURATED HYDROCARBON (32.70)	5 J					
SATURATED HYDROCARBON (34.00)	5 J					
SATURATED HYDROCARBON (29.74)	4 J					
SATURATED HYDROCARBON (45.42)	3 J					
CYCLOHEXANEDIOL ISOMER (13.25)	3 R					
BENZOIC ACID (14.93)	3 R					
PHENOL, TRIMETHYL ISOMER (19.77)	3 J					
CHLOROETHENYL BENZENE ISOMER (14.43)	3 J					
BENZENE, CHLOROETHENYL ISOMER(13.57)		28 J				
DIHYDRO-1H-INDOLE ISOMER (18.98)		11 J				
ETHANONE OPHENYL ISOMER(17.50)		9 J				
SULFONATE NOAROMATIC (42.30)		9 J				

TENTATIVE ENTIFIED COMPOUNDS						
ERM-Midwe e Number	RN 7	RNS-GW-S7DL	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-	NS-GW-S7-106
Laboratory Sample Number	S092	S092D	S093	S093D	S094	S095
Remarks						Field Blank
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS		Dilution		Dilution		
PHENOL, TRIMETHYL (21.13)			480 J			
UNKNOWN METHOXYALKYL BENZ. (16.33)			310 J			
UNK. BIPHENYL/NAPTHALENE (26.75)			96 J			
ETHANONE, UNKNOWN AMINOPHENYL (20.22)			55 J			
UNKNOWN BENZENAMINE (22.72)			47 J			
UNKNOWN ALKYLOXYBIPHENYL (27.07)			39 J			
1,1'-BIPHENYL-2-OL (20.62)			30 JN			
BENZENEMETHANOL, UNK. (17.42)			24 J			
UNKNOWN CHLOROAROMATIC (27.97)			22 J			
ETHANONE, 1-PHENYL- (13.45)			20 JN			
2-METHOXY-BENZIMIDAZOLE-3-OXIDE (26.19)			14 JN			
DIHYDRO-1H-INDOLE (18.93)			12 J			
1,2,3,4,7,7,-HEPTACHLOROBICYCLO[2.2.1]HEPT-2-ENE (32.77)			12 JN			
DIMETHOXY-ETHYLBENZENE ISOMER (18.25)			9 J			
CHLOROBIPHENYL -OL, UNK. (28.82)			15 J			
BENZOIC ACID DERIVATIVE (16.50)			7 J			
BENZOIC ACID (14.97)			5 R			
UNKNOWN (22.08)			4 J			
PHENOL, 4,4'-BUTYLIDENEBIS (33.15)			4 JN			
CHLORORBIPHENYL-OL, UNKNOWN (23.25)			4 J			
CHLOROETHENYLBENZENE UNKNOWN (14.43)			4 J			
SULFONATED MONOAROMATIC (24.33)			4 J			
CHLOROBIPHENYL,-OL, UNK. (23.05)			3 J			
METHOXYALKYLBENZENE UNK. (16.30)				660 J		
UNKNOWN AROMATIC (21.08)				430 J		
UNKNOWN CYCLOPENTANOL ISOMER (9.67)						12 J
UNKNOWN CYCLOPENTENE ISOMER(9.80)						2 J
BENZENESULFONAMIDE +UNK. (21.83)						
BROMOBENZOIC ACID ISOMER (19.40)						
METHOXYBENZENE UNK. (16.33)						
BENZENESULFONAMIDE, 4-METHYL (22.73)						
ALKOXYBIPHENYL (27.09)						
BENZENEMETHANOL ISOMER (17.45)						
METHYLBENZENESULFONAMIDE (22.18)						
BIPHENYL-OL ISOMER (20.65)						
BROMOBENZOIC ACID ISOMER (16.52)						
CHLOROBENZENESULFONAMIDE (23.32)						
DIBROMOBENZENE ISOMER (23.03)						
UNKNOWN CHLORINATED AROMATIC (26.72)						
CHLOROBENZOIC ACID ISOMER (18.28)						
DICHLORINATED AROMATIC UNKNOWN(12.78)						
UNKNOWN ALKYLBENZENE (25.12)						
UNKNOWN AROMATIC (18.82)						
BENZENEETHANOL (14.30)						
BENEZENESULFONAMIDE (21.20)						
METHOXYBENZENE ISOMER (16.28)						

TENTATIVEI	)ENTIFIED COMPOUNDS					
ERM-Midwest ... ple Number	RNS-\ S7	RNS-GW-S7DL	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D1.	,NS-GW-S7-106
Laboratory Sample Number	S092	S092D	S093	S093D	S094	S095
Remarks						Field Blank
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS		Dilution		Dilution		
BROMOBENZOIC ACID ISOMER (19.22)						
BENZENESULFONAMIDE,2-METHYL (22.00)						
BENZENESULFONAMIDE, 4-METHYL (22.48)						

TENTATIVELY IDENTIFIED COMPOUNDS		
ERM-Midwest Sample Number	D6	RNS-GW-D6DL
Laboratory Sample Number	S097	S097D
Remarks		
Units	ug/L	ug/L
SEMIVOLATILE TICS		Dilution
BENZOIC ACID (15.55)		
BENZENESULFONAMIDE (21.17)		
METHOXYBENZENE ISOMER (16.28)		
BROMOBENZOIC ACID ISOMER(19.25)		
UNKNOWN ALKOXY BIPHENYL (27.04)		
CHLOROBENZENESULFONAMIDE (23.15)		
ETHANONE, 1-PHENYL- (13.45)		
UNKNOWN BENZENE ALKANOL (17.42)		
BROMOBENZOIC ACID ISOMER (19.57)	7 J	
BENZENESULFONAMIDE (21.97)		
BENZENE, METHOXY ISOMER (16.28)		
BENZENE, SULFONYL, UNKNOWN (22.15)		
ALKOXYBENZENE ISOMER (36.19)		
BENZENESULFONAMIDE DERIVATIVE (18.80)		
BENZENESULFONIC ACID UNKNOWN (22.62)		
UNKNOWN (17.02)		
BENZENESULFONAMIDE-N-(PHENYLSULFONYL) (30.57)		
UNKNOWN (26.24)		
METHOXYBENZENE ISOMER (16.25)		
UNKNOWN (17.17)		
UNKNOWN CYCLOHEXANE (19.98)		
BENZENESULFONAMIDE DERIVATIVE (22.15)		
BENZOIC ACID (15.02)		
DECANOIC ACID (25.48)		
UNKNOWN SULFONYLBENZENE DERIVATIVE(18.77)		
UNKNOWN BENZENEDIOL DERIVATIVE(16.68)		
UNKNOWN (20.48)		
UNKNOWN (25.05)		
BENZENESULFONAMIDE, METHYL (22.63)		
UNKNOWN (16.00)		
UNKNOWN (19.37)		
UNKNOWN (27.65)		
UNKNOWN ALIPHATIC (13.55)		
7-OXABICYCLO 4.1.0 HEPTANE (9.07)		
UNKNOWN CYCLIC ALIPHATIC (13.55)		
CARBOXYLIC ACID (16.63)		
1,2,3,4,7,7-HEPTACHLOROBICYCLO[2.2.1]HEPT-2-ENE (32.78)		
UNKNOWN METHOXY BENZENE (16.28)		
UNKNOWN CYCLOHEXANE (13.55)		
MIX BENZENESULFONAMIDE + UNK (21.15)		
BUTOXYBIPHENYL ISOMER (26.72)		
CHLOROMETHYL BENZENEMETHANOL ISOMER (17.43)		
BIPHENYL- OL ISOMER(20.63)		
UNKNOWN AROMATIC (26.89)		
BENZOIC ACID UNK (25.17)		
POSS. PHENYL/NAPHTHYLAMINE(22.13)		

TENTATIVELY IDENTIFIED COMPOUNDS		
ERM-Midwest Sample Number	RNS- D6	RNS-GW-D6DL
Laboratory Sample Number	S097	S097D
Remarks		
Units	ug/L	ug/L
SEMIVOLATILE TICS		Dilution
BUTOXY BIPHENYL ISOMER (27.07)		
UNKNOWN (14.17)		
UNKNOWN ALIPHATIC HYDROCARBON (39.57)		
UNKNOWN CYCLOHEXANOL (9.72)		
UNKNOWN ALIPHATIC (35.55)		
ALIPHATIC HYDROCARBON (42.24)		
UNKNOWN KETONE(10.73)		
UNKNOWN KETONE (9.88)		
UNKNOWN (23.40)		
ALIPHATIC HYDROCARBON (29.32)		
1,2,3,4,5,7,7-HEPTACHLOR-BICYCLO[2.2.1] HEPT-2 ENE (32.78)		
UNKNOWN (22.13)		
UNKNOWN IMIDAZOLIDINE (17.02)		
UNKNOWN BENZOYLMORPHOLINE (23.03)		
SATURATED HYDROCARBON (31.60)		
BENZENEMETHANOL DERIVATIVE(16.50)		
SULFUR, MOL. (S8) (26.52)		
UNKNOWN (26.70)		
UNKNOWN (9.03)		
UNKNOWN METHOXYBENZENE (16.27)		
BENZENESULFONAMIDE (20.97)		
HEXYL-PHENOL ISOMER (26.30)		
TRIFLUOROMETHYLBENZAMINE ISOMER (13.33)		
UNKNOWN MONOAROMATIC (22.80)		
DIPHENYL-ETHANEDIONE (24.40)		
CHLORINATED BIPHENYL UNK. (26.82)		
BENZENAMINE UNKNOWN (22.47)		
UNKNOWN AROMATIC (21.12)		
BIPHENYL-OL UNKNOWN (27.12)		
BENZOIC ACID, BROMO-UNK. (27.39)		
2,4-DICHLOROPHENOL, BENZENE SULFONATE (27.99)		
CHLOROBIPHENYL -OL, UNK. (28.82)		
CHLOROBIPHENYL -OL, UNK. (23.23)		
1,2,3,4,7,7-HEPTACHLOROBICYCLO[2.2.1]HEPT-2-ENE (32.70)		
UNKNOWN BENZENEMETHANOL (17.43)		
DICHLOROBIPHENYL-OL UNK. (25.08)		
BROMINATED ALIPHATIC UNK. (29.84)		
METHANONE, DIPHENYL (22.12)		
UNKNOWN AROMATIC (42.02)		
BROMOBENZOIC ACID (27.65)		
BROMODICHLOROBENZENE (17.08)		
METHOXYCHLOR (30.97)		
CHLOROETHENYL BENZENE (14.43)		
4-(TRIFLUOROMETHYL)-BENZENAMINE (13.28)		
1,2,3,4,5,7,7-[illegible]CHLOROBICYCLO2.2.1 HEPT-Z-ENE(32.89)		
HALOGENA[illegible]ONOAROMATIC (22.83)		

TENTATIVEL[illegible]NTIFIED COMPOUNDS		
ERM-Midwe[illegible] Number	RN[illegible]6	RNS-GW-D6DL
Laboratory Sa[illegible]e Number	S097	S097D
Remarks		
Units	ug/L	ug/L
SEMIVOLATILE TICS		Dilution
HALOGENATED MONOAROMATIC (31.07)		
ETHANEDIONE, DIPHENYL- (24.42)		
OXYGENATED BIPHENYL (26.84)		
HALOGENATED MONOAROMATIC (22.50)		
DICHLOROPHENOL DERIVATIVE (28.05)		
METHYOXYBENZENE ISOMER (16.35)		
DIMETHYL-1,4-BENZENEDIAMINE (21.15)		
HEPTACHLOROBICYCLOHEPTENE ISOMER (33.27)		
CHLOROBIPHENYL-2-OL ISOMER (28.87)		
OXYGENATED BIPHENYL DERIVATIVE (27.15)		
UNKNOWN AROMATIC (44.05)		
BROMINATED ALIPHATIC (29.90)		
METHOXYCHLOR (30.12)		
CHLORINATED MONAROMATIC (36.84)		
UNKNOWN AROMATIC (42.24)		
OCTACHLORONAPHTHALENE (31.80)		
CHLOROBIPHENYL-OL, ISOMER (20.65)		
CHLOROBIPHENYL-OL, ISOMER(25.13)		
1,2-ETHANDIOL, 1-PHENYL- (17.48)		
BIPHENYLAMINE DERIVATIVE (30.72)		
UNKNOWN CHLORINATED (38.19)		
CHLOROETHYENYL BENZENE ISOMER (13.53)		
BENZENE, 1-CHLORO-4-(PHENYLSULFONYL) (27.30)		
CARBOXYLIC ACID (25.52)		
UNKNOWN (42.19)		
DIHYDRO-1H ISOMER (18.93)		
ETHANONE, AMINOPHENYL ISOMER(17.47)		
CYCLOPENTANOL ISOMER(9.63)		
UNKNOWN (21.75)		
PHENOL, 4,4-BUTYLIDENE BIS 2-(1,1-DIMETHYLETHYL)-5-METHYL 2 (33.15)		
SATURATED HYDROCARBON (31.59)		
SATURATED HYDROCARBON (35.52)		
SATURATED HYDROCARBON (30.62)		
SATURATED HYDROCARBON (39.55)		
SATURATED HYDROCARBON (32.70)		
SATURATED HYDROCARBON (34.00)		
SATURATED HYDROCARBON (29.74)		
SATURATED HYDROCARBON (45.42)		
CYCLOHEXANEDIOL ISOMER (13.25)		
BENZOIC ACID (14.93)		
PHENOL, TRIMETHYL ISOMER (19.77)		
CHLOROETHENYL BENZENE ISOMER (14.43)		
BENZENE, CHLOROETHENYL ISOMER(13.57)		
DIHYDRO-1H-INDOLE ISOMER (18.98)		
ETHANONE, AMINOPHENYL ISOMER(17.50)		
SULFONATED MONOAROMATIC (42.30)		

TENTATIVELY IDENTIFIED COMPOUNDS		
ERM-Midwest Sample Number	RNS-[illegible]D6	RNS-GW-D6DL
Laboratory Sample Number	S097	S097D
Remarks		
Units	ug/L	ug/L
SEMIVOLATILE TICS		Dilution
PHENOL, TRIMETHYL (21.13)		
UNKNOWN METHOXYALKYL BENZ. (16.33)		
UNK. BIPHENYL/NAPTHALENE (26.75)		
ETHANONE, UNKNOWN AMINOPHENYL (20.22)		
UNKNOWN BENZENAMINE (22.72)		
UNKNOWN ALKYLOXYBIPHENYL (27.07)		
1,1'-BIPHENYL-2-OL (20.62)		
BENZENEMETHANOL, UNK. (17.42)		
UNKNOWN CHLOROAROMATIC (27.97)		
ETHANONE, 1-PHENYL- (13.45)		
2-METHOXY-BENZIMIDAZOLE-3-OXIDE (26.19)		
DIHYDRO-1H-INDOLE (18.93)		
1,2,3,4,7,7,-HEPTACHLOROBICYCLO[2.2.1]HEPT-2-ENE (32.77)		
DIMETHOXY-ETHYLBENZENE ISOMER (18.25)		
CHLOROBIPHENYL -OL, UNK. (28.82)		
BENZOIC ACID DERIVATIVE (16.50)		
BENZOIC ACID (14.97)		
UNKNOWN (22.08)		
PHENOL, 4,4'-BUTYLIDENEBIS (33.15)		
CHLORORBIPHENYL-OL, UNKNOWN (23.25)		
CHLOROETHENYLBENZENE UNKNOWN (14.43)		
SULFONATED MONOAROMATIC (24.33)		
CHLOROBIPHENYL,-OL, UNK. (23.05)		
METHOXYALKYLBENZENE UNK. (16.30)		
UNKNOWN AROMATIC (21.08)		
UNKNOWN CYCLOPENTANOL ISOMER (9.67)		
UNKNOWN CYCLOPENTENE ISOMER(9.80)		
BENZENESULFONAMIDE +UNK. (21.83)	1100 JN	
BROMOBENZOIC ACID ISOMER (19.40)	140 J	
METHOXYBENZENE UNK. (16.33)	130 J	
BENZENESULFONAMIDE, 4-METHYL (22.73)	73 JN	
ALKOXYBIPHENYL (27.09)	31 J	
BENZENEMETHANOL ISOMER (17.45)	19 J	
METHYLBENZENESULFONAMIDE (22.18)	18 J	
BIPHENYL-OL ISOMER (20.65)	10 J	
BROMOBENZOIC ACID ISOMER (16.52)	7 J	
CHLOROBENZENESULFONAMIDE (23.32)	4 J	
DIBROMOBENZENE ISOMER (23.03)	3 J	
UNKNOWN CHLORINATED AROMATIC (26.72)	3 J	
CHLOROBENZOIC ACID ISOMER (18.28)	3 J	
DICHLORINATED AROMATIC UNKNOWN(12.78)	3 J	
UNKNOWN ALKYLBENZENE (25.12)	3 J	
UNKNOWN AROMATIC (18.82)	2 J	
BENZENEETHANOL (14.30)	2 JN	
BENEZENES[illegible]AMIDE (21.20)	[illegible]	2500 JN
METHOXYB[illegible]E ISOMER (16.28)	[illegible]	190 J

TENTATIVEL[illegible]ENTIFIED COMPOUNDS		
ERM-Midw[illegible] Number	R[illegible]06	RNS-GW-D6DL
Laboratory S[illegible]umber	[illegible]	S097D
Remarks		
Units	ug/L	ug/L
SEMIVOLATILE TICS		Dilution
BROMOBENZOIC ACID ISOMER (19.22)		110 J
BENZENESULFONAMIDE,2-METHYL (22.00)		24 JN
BENZENESULFONAMIDE, 4-METHYL (22.48)		91 JN

EXTRACTABI ORGANIC ANALYSIS

ERM Midwest San., Number	RNS GW GUB	RNS GW GUBDL	RNS GW RW1	RNS GW RW1DL	RNS GW RW1 107	RNS GW S12	RNS GW S12RE
Laboratory Sample Number	S101R2	S101D	S108	S108D	S108	S082	S082RE
Remarks		Dilution		Dilution			Reextraction
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS							
MIX- 98-10-2 + UNK ALIPH AM (22.08)	1900 J						
MIX - UNK. BENZAMINE+98-10-2 (21 07)	260 J						
BENZENE, METHOXY, UNK (16 25)	100 J						
CHLOROBENZENESULFONAMIDE UNK. (23.55)	17 J						
CHLORO-AROMATIC UNK MW-262 (26 65)	11 J						
UNKNOWN SULFONATED BENZENE (18 75)	9 J						
OXYAROMATIC UNKNOWN MW-244 (27 07)	5 J						
ALIPHATIC UNKNOWN (9 00)	5 R						
MIX-BIPHENYL-OL-OTHER UNK (20 57)	5 J						
UNK ALIPHATIC HYDROCARB (13 23)	4 J						
MIX 70-55-3 + UNK (23 02)	4 J						
CYCLOHEXANOL UNKNOWN,POSS BR (14 20)	4 R						
UNKNOWN AROMATIC (25 18)	3 J						
MIX-UNKNOWN AROMATIC+ OTHER (15 92)	3 J						
UNKNOWN CYCLOHEXANOL (12 67)	3 J						
UNKNOWN CYCLOHEXANOL (9 67)	3 J						
UNKNOWN IMIDAZOLIDINEDIONE (17 00)	3 J						
UNKNOWN AROMATIC AMINE (26 87)	3 J						
UNK. ALIPHATIC KETONE/ALD (10 67)	3 R						
UNKNOWN ALKOXYBENZENE (18 20)	3 J						
UNK. ALKOXYBIPHENYL, BENZ. (24 30)	2 J						
BENZENESULFONAMIDE (21 00)		2400 JN					
UNKNOWN ALKOXYBENZENE (16 25)		140 J		930 J			
MIX AR AMINE UNK +DICHLOROBENZ (13 15)			920 J				
CHLOROBIPHENYL/NAPTHALENE U (26.77)			260 J				
UNKNOWN NITROBENZENE (22.75)			230 J				
UNKNOWN METHOXYBENZENE (16.32)			200 J				
MIX-CHLOROALKYLBENZENEAMINE (21.08)			170 J				
UNK. NITROBENZENEAMINE (22.43)			160 J				
ETHANDIONE, DIPHENYL (24.33)			110 JN				
BIPHENYL-OL/NAPTHALENE UNK. (27.07)			82 J				
CHLOROBIPHENYL-OL UNK. (28.79)			27 J				
BIPHENYL-OL UNK. (20.58)			25 J				
DICHLOROPHENOLBENZENESULFON. (27.94)			23 J				
HALOGENATED AROMATIC, MW-326 (27.34)			20 J				
PHENYLETHANDIOL (17.38)			19 JN				
MIX 76-01-7 (11.68)			17 J				

EXTRACTABL[illegible]RGANIC ANALYSIS

ERM-Midwest S[illegible]ber	RNS-GW-GUB	RNS-GW-GUBD	[illegible]NS-GW-RW1	RNS-GW-RW1DL	RNS-GW-RW1-107	RNS-GW-S12	[illegible]Y-S12RE
Laboratory Sampl[illegible]mber	S101R2	S101D	S108	S106D	S108	S082	[illegible]82RE
Remarks		Dilution		Dilution			Reextraction
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS							
DICHLOROBIPHENYL-OL UNK. (25.07)			14 J				
NAPTHYL UNK. MW-270 (29.80)			14 J				
PAH UNK.,POSS. CHLORO (23.22)			12 J				
METHANONE, DIPHENYL- (22.10)			12 J				
CHLOROBIPHENYL UNK. (32.67)			12 J				
CHLOROBIPHENYL-OL UNK. (23.03)			11 J				
BENZOFURAN UNK. (35.75)			10 J				
ETHANONE, 1-PHENYL (13.45)			10 JN				
METHOXYCHLOR (41.95)			9 J				
UNKNOWN CHLOROPHENYL AROM. (36.65)			9 J				
UNK. ALIPHATIC ACID (34.10)			8 R				
BENZOIC ACID (18.30)						2300 R	
BENZENESULFONAMIDE (22.27)						1100 JN	
BENZENE, METHOXY, UNK. (16.5)						480 J	
EBENZENESULFONAMIDE, CHLORO UNK. (23.87)						310 R	
BENZENES, UNK. MIX (21.35)						300 J	
BROMINATED AROMATIC UNK. (14.35)						230 J	
BROMOBENZOIC ACID UNK. (19.83)						140 J	
BROMOBENZOIC ACID UNK. (20.17)						120 J	
UNKNOWN SUBSTITUTED BENZENE (22.93)						195 J	
BROMOALIPHATIC UNK. (9.63)						86 JN	
BENZAMIDE (18.93)						72 J	
CHLOROBENZOIC ACID UNK. (19.08)						63 J	
UNK. BIPHENYL (27.19)						55 J	
UNK. ALIPHATIC (8.47)						53 R	
MIX ACID/PAH (23.20))						52 J	
PYRIDINE, METHYLATED UNK. (13.00)						44 J	
UNK. CHLOROALIPHATIC (11.00)						40 J	
BENZOYL UNK. (24.18)						39 J	
BENZOYL UNK. (12.07)						34 J	
NITROBENZENE UNK. (13.47)						31 J	
SULFONATED PHENYL UNK. (28.92)						29 J	
UNKNOWN (30.30)						27 J	
UNKNOWN SULFONATED BENZENE (12.43)						25 J	
UNK. CYANOBENZENE (20.80)						24 J	
BENZOIC ACID (19.05)							2800 R
UNK. BENZENEMETHANOL (17.43)							1100 J
ALKOXYBENZENE UNK. (16.75)							610 J

EXTRACTABL RGANIC ANALYSIS

ERM Midwest Sam umber	RNS GW GUB	RNS GW GUBDL	RNS GW RW1	RNS GW RW1DL	RNS GW RW1 107	RNS GW S12	RNS GW S12RE
Laboratory Sample Number	S101R2	S101D	S106	S106D	S108	S082	S082RE
Remarks		Dilution		Dilution			Reextraction
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS							
MIXTURE UNK. AROMATIC/ALIPH (21 50)							290 J
BENZENESULFONAMIDE (21 90)							280 JN
UNKNOWN AROMATIC (28 62)							280 J
BENZENESULFONAMIDE, CHLORO (23.55)							260 J
BROMOALIPHATIC UNK. (10.87)							220 JN
BENZOIC ACID, BROMO- (20 18)							160 J
BENZAMIDE (19 47)							140 JN
UNKNOWN AROMATIC (22 88)							130 J
UNKNOWN AROMATIC (22.62)							130 J
MIX DICHLOROPHENOL/OTHER (15 85)							110 J
UNKNOWN AROMATIC (28 85)							88 J
BENZONITRILE (13 25)							77 JN
UNK NITROBENZENE (14 05)							70 J
UNKNOWN BIPHENYL-OL (21 03)							69 J
METHANE, DICHLORO-, +UNK (11 83)							62 J
A BENZENESULFONAMIDE, UNK (30 42)							62 J
MIX- UNKNOWN (13 72)							56 J
ETHANONE, 1 PHENYL- (14 38)							51 JN
UNK AROMATIC (23 98)							37 J
UNK BENZOYL (12 95)							36 J
UNK DICHLOROSULFONYLBENZ (29 95)							29 J
CYCLOHEXANOL UNK. (12 65)							
CYCLIC ALIPHATIC HYDROCARB (13 48)							
UNK. CYCLIC ALIPHATIC (9.00)							
BENZENESULFONAMIDE (21.88)							
SULFONATED BENZENE UNK. (25.95)							
MIXTURE AROMATIC UNKNOWN (21.12)							
METHOXYBENZENE UNK. (16.30)							
CHLOROBENZENESULFONAMIDE UNK. (23.50)							
BIPHENYL UNK. (26.72)							
METHANONE, DIPHENYL- (22.18)							
BENZOIC ACID (15.00)							
HYDROXYBIPHENYL UNK. (27.09)							
SULFONATED BENZENE (18.80)							
UNK. ALIPHATIC (9.05)							
BENZENESULFONAMIDE, 4-METHYL (22.92)							
N-CONTAINING ALIPHATIC UNK. (16.05)							
BIPHENYL -OL UNK. (20.62)							
BIPHENYL/AL TIC AMINE UNK. (24.37)							
CHLOROBEI ULFOAMIDE UNK. (23.18)							

EXTRACTABL[illegible]RGANIC ANALYSIS

ERM-Midwest S[illegible]er	RNS-GW-GUB	RNS-GW-GUBD	NS-GW-RW1	RNS-GW-RW1DL	RNS-GW-RW1-107	RNS-GW-S12	[illegible]-S12RE
Laboratory Samp[illegible]	S101R2	S101D	S108	S108D	S108	S082	[illegible]82RE
Remarks		Dilution		Dilution			Reextraction
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS							
BENZENEDIOL UNK. ISOMER (16.68)							
ALIPHATIC UNKNOWN (10.72)							
MIX-ALIPHATIC UNK.+BENZ ACID (18.48)							
MIX-BENZOIC ACID+UNK. ALIPHATIC (17.27)							
MIX 98-10-2+ALIPHATIC UNK. (22.60)							
MIX- UNK. ALIPHATICS (14.25)							
MIX-NITROPHENYLETHNONE+UNK. (20.27)							
MIX-ALKYLBENZENE+OTHER UNK. (16.43)							
MIX-BROMOBENZOIC ACID+OTHER (20.57)							
MIX-UNKNOWN SULFBENZENE+OTHER (23.57)							
MIX-98-10-2+ UNK. OTHER (21.95)							
UNK. PHENYL/AROMATIC (23.03)							
MIX-98-10-2+UNKNOWN ALIPHAT. (21.49)							
UNKNOWN PHENYL/AROMATIC (23.90)							
MIX-BENZOIC ACID+UNKNOWN (15.95)							
BIPHENYL/NAPTHALENE UNK. (27.30)							
UNK. AROMATIC (22.75)							
AMINOPHENYLETHANONE+ UNK. (20.95)							
BENZALDEHYDE (11.53)							
CHLOROBENZENE UNK. (19.33)							
CHLOROBENZENE UNK. (19.10)							
UNK. AROMATIC/BENZOTRIAZO (30.15)							
ETHANDIONE, DIPHENYL- (24.42)							
BENZOYL UNK. (33.69)							
BENZOYL UNK. (33.27)							
MIX-AROMATIC NITRILE+OTHER (11.83)							
MIX-AROMATIC NITRILE+OTHER (12.03))							
BENZENESULFONAMIDE (22.22)							
AMINOPHENYLEHANONE UNK. (20.53)							
UNK. BIPHENYL/NAPTHALENE (27.29)							
UNK. AROMATIC ACID (16.83)							
MIX-SULFUR+UNK. (26.35)							
METHOXYALKYLBENZENE UNK. (16.33)							
UNKNOWN BIPHENYL-OL (20.70)							
MIX-4-METHOXYBENZOIC ACID+UNK. (19.42)							
ETHANONE, AMINOPHENYL UNK. (19.15)							
UNK. AROMATIC ALCOHOL (17.58)							
MIX-UNKNOWNS (25.38)							
BENZENESULFONAMIDE,METHYL UNK. (23.18)							
UNK. ALIPHATIC (38.20)							

EXTRACTABI 'RGANIC ANALYSIS

ERM Midwest Sam, .umber	RNS GW GUB	RNS GW GUBDL	RNS GW RW1	RNS GW RW1DL	RNS GW RW1 107	RNS GW S12	RNS GW S12RE
Laboratory Sample Number	S101R2	S101D	S108	S108D	S108	S082	S082RE
Remarks		Dilution		Dilution			Reextraction
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS							
DICHLOROPHENOL UNK. ISO (15.47)							
BENZENESULFONAMIDE, CHLORO UNK (23 72)							
ALKOXYBENZENE UNK (16 00)							
UNK ALIPHATIC HC (30 60)							
UNK ALIPHATIC HC (29 72)							
BENZOIC ACID (15 20)							
UNK NITROGEN CPD MW-361 (37 03)							
UNK ALIPHATIC HC (31 57)							
BIPHENYL/NAPTHALENE UNK (26 75)							
UNK. ALIPHATIC MW-284 (26 90)							
UNK ALIPHATIC (28 84)							
UNKNOWN (32 67)							
UNK. ALKOXYBENZENE (16 25)							
SULFUR, MW-(S8) (26 62)							
METHOXYBENZENE UNK (16 32)							
BIPHENYL, UNK (27 20)							
BIPHENYL-OL UNK (20 65)							
AMINOPHENYL EHTANONE UNK. (17 45)							
CHLOROBENZENESULFONAMIDE UNK (23 38)							
BROMOBENZOIC ACID (19.28)							
BENZENEMETHANESULFONAMIDE+UN (30 50)							
UNK. ALIPHATIC (12 62)							
SULFONYLBENZENE UNK (18 80)							
METHOXYALKYLBENZENE UNK (15.97)							
CHLOROBENZENESULFONAMIDE UNK. (23.55)							
BENZOIC ACID (15.03)							
CYCLOHEXENE UNK (14.52)							
METHANONE, DIPHENYL- (22.18)							
BROMOBENZOIC ACID UNK. ISO (19.60)							
BENZENEMETHANOL UNK. (16.48)							
CHLOROBENZOIC ACID UNK. (18.25)							
ALKYLBENZENEAMINE UNK. (15.32)							
ALIPHATIC ALCOHOL UNK. (10 08)							
BROMOPHENOL UNK. (17.00)							
UNK. ALIPHATIC (12.18)							
UNK. ALIPHATIC (22.73))							
UNK. ALKOXYBENZENE (16.25)							
MIX N-CONTAINING AROMATIC (26.63)							
BENZENESUL AMIDE+UNK. (21.80)							
MIX ALIPAHT +98-10-2 (21.22)							

EXTRACTABI[illegible]RGANIC ANALYSIS

ERM-Midwest [illegible]er	RNS-GW-GUB	RNS-GW-GUB[illegible]	NS-GW-RW1	RNS-GW-RW1DL	RNS-GW-RW1-107	RNS-GW-S12	[illegible]-S12RE
Laboratory Sam[illegible] [illegible]umber	S101R2	S101D	S106	S106D	S108	S082	[illegible]82RE
Remarks		Dilution		Dilution			Reextraction
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS							
MIX BIPHENYL+FLUORIN. ALIPH. (13.18)							
UNK. ALKOXYBIPHENYL (26.85)							
METHOXYBENZENE UNK. (16.38)							
BENZENE, 2-(BROMOMETHYL)-1-M (22.82)							
AMINOPHENYLETHANONE UNK. (20.35)							
BIPHENYL -OL UNK. (20.68)							
UNK. BIPHENYL/ALKYL (27.19)							
NITROBENZENE UNK. (22.52)							
ETHANDIONE, DIPHENYL- (24.42)							
CHLORINATED AROMATIC UNK. (36.92)							
BROMOBENZOIC ACID UNK. ISO. (19.35)							
AROMATIC UNK. POSS. PHENOL (17.52)							
SULFONATED BENZENE UNK. (28.04)							
METHANONE, DIPHENYL (22.22)							
AROMATICACID UNK. (16.55)							
MIX UNK. ALIPHATICS (11.77)							
MIX UNK. AROMATICS (18.87)							
METHOXYCHLOR (38.25)							
CHLOROBIPHENYL UNK. (28.90)							
ETHANONE, 1-PHENYL- (13.53)							
DICHLOROBIPHENYL-OL UNK. (25.17)							
ALKOXYBENZENE UNK. (18.30)							
BENZENESULFONAMIDE (20.95)							

EXTRACTABI ORGANIC ANALYSIS

ERM Midwest Sam. Number	RNS GW S18	RNS GW S19	RNS GW S19DL	RNS GW S22	RNS GW S22RE	RNS GW S6	RNS GW S6DL
Laboratory Sample Number	S104	S100	S100D	S105	S105RA	S096RE	S096D
Remarks			Dilution	Duplicate of RNS-GW-S18	Reextraction		Dilution
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS							
MIX- 98-10-2 + UNK ALIPH AM (22 08)							
MIX - UNK BENZAMINE+98-10-2 (21.07)							
BENZENE, METHOXY, UNK (16 25)							
CHLOROBENZENESULFONAMIDE UNK (23 55)							
CHLORO-AROMATIC UNK MW-262 (26.65)							
UNKNOWN SULFONATED BENZENE (18 75)							
OXYAROMATIC UNKNOWN MW-244 (27 07)							
ALIPHATIC UNKNOWN (9 00)							
MIX-BIPHENYL-OL-OTHER UNK (20 57)							
UNK ALIPHATIC HYDROCARB (13 23)							
MIX 70-55-3 + UNK (23 02)							
CYCLOHEXANOL UNKNOWN,POSS BR (14 20)							
UNKNOWN AROMATIC (25 18)							
MIX-UNKNOWN AROMATIC+ OTHER (15 92)							
UNKNOWN CYCLOHEXANOL (12 67)							
UNKNOWN CYCLOHEXANOL (9 67)							
UNKNOWN IMIDAZOLIDINEDIONE (17.00)							
UNKNOWN AROMATIC AMINE (26.87)							
UNK ALIPHATIC KETONE/ALD (10 67)							
UNKNOWN ALKOXYBENZENE (18 20)							
UNK ALKOXYBIPHENYL, BENZ. (24 30)							
BENZENESULFONAMIDE (21.00)			1800 JN				3000 JN
UNKNOWN ALKOXYBENZENE (16.25)							
MIX AR AMINE UNK +DICHLOROBENZ (13.15)							
CHLOROBIPHENYL/NAPTHALENE U (26 77)							
UNKNOWN NITROBENZENE (22.75)							
UNKNOWN METHOXYBENZENE (16.32)							
MIX-CHLOROALKYLBENZENEAMINE (21.08)							
UNK NITROBENZENEAMINE (22.43)							
ETHANDIONE, DIPHENYL (24.33)							
BIPHENYL-OL/NAPTHALENE UNK. (27.07)							
CHLOROBIPHENYL-OL UNK. (28.79)							
BIPHENYL-OL UNK. (20.58)							
DICHLOROPHENOLBENZENESULFON. (27.94)							
HALOGENATED AROMATIC, MW-326 (27.34)							
PHENYLETHANDIOL (17.38)							
MIX 76-01-7 (11.68)							

EXTRACTABI RGANIC ANALYSIS							
ERM-Midwest ber	RNS-GW-S18	RNS-GW-S1	NS-GW-S18DL	RNS-GW-S22	RNS-GW-S22RE	RNS-GW-S8	W-S8DL
Laboratory Sam mber	S104	S100	S100D	S105	S105RA	S096RE	S096D
Remarks			Dilution	Duplicate of RNS-GW-S18	Reextraction		Dilution
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS							
DICHLOROBIPHENYL-OL UNK. (25.07)							
NAPTHYL UNK. MW-270 (29.80)							
PAH UNK.,POSS. CHLORO (23.22)							
METHANONE, DIPHENYL- (22.10)							
CHLOROBIPHENYL UNK. (32.67)							
CHLOROBIPHENYL-OL UNK. (23.03)							
BENZOFURAN UNK. (35.75)							
ETHANONE, 1-PHENYL (13.45)							
METHOXYCHLOR (41.95)							
UNKNOWN CHLOROPHENYL AROM. (36.65)							
UNK. ALIPHATIC ACID (34.10)							
BENZOIC ACID (18.30)							
BENZENESULFONAMIDE (22.27)							
BENZENE, METHOXY, UNK. (16.5)							
EBENZENESULFONAMIDE, CHLORO UNK. (23.87)							
BENZENES, UNK. MIX (21.35)							
BROMINATED AROMATIC UNK. (14.35)							
BROMOBENZOIC ACID UNK. (19.83)							
BROMOBENZOIC ACID UNK. (20.17)							
UNKNOWN SUBSTITUTED BENZENE (22.93)							
BROMOALIPHATIC UNK. (9.63)							
BENZAMIDE (18.93)							
CHLOROBENZOIC ACID UNK. (19.08)							
UNK. BIPHENYL (27.19)							
UNK. ALIPHATIC (8.47)							
MIX ACID/PAH (23.20))							
PYRIDINE, METHYLATED UNK. (13.00)							
UNK. CHLOROALIPHATIC (11.00)							
BENZOYL UNK. (24.18)							
BENZOYL UNK. (12.07)							
NITROBENZENE UNK. (13.47)							
SULFONATED PHENYL UNK. (28.92)							
UNKNOWN (30.30)							
UNKNOWN SULFONATED BENZENE (12.43)							
UNK. CYANOBENZENE (20.80)							
BENZOIC ACID (19.05)							
UNK. BENZENEMETHANOL (17.43)							
ALKOXYBENZENE UNK. (16.75)							

EXTRACTABI ORGANIC ANALYSIS

ERM Midwest Sam. .umber	RNS GW S18	RNS GW S19	RNS GW S19DL	RNS GW S22	RNS GW S22RE	RNS GW S8	RNS GW S8DL
Laboratory Sample Number	S104	S100	S100D	S105	S105RA	S098RE	S098D
Remarks			Dilution	Duplicate of RNS-GW-S18	Reextraction		Dilution
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS							
MIXTURE UNK AROMATIC/ALIPH (21 50)							
BENZENESULFONAMIDE (21 90)							
UNKNOWN AROMATIC (28 62)							
BENZENESULFONAMIDE, CHLORO (23 55)							
BROMOALIPHATIC UNK (10 87)							
BENZOIC ACID, BROMO- (20.18)							
BENZAMIDE (19 47)							
UNKNOWN AROMATIC (22 88)							
UNKNOWN AROMATIC (22 62)							
MIX DICHLOROPHENOL/OTHER (15 85)							
UNKNOWN AROMATIC (28 85)							
BENZONITRILE (13 25)							
UNK NITROBENZENE (14 05)							
UNKNOWN BIPHENYL-OL (21 03)							
METHANE, DICHLORO-, +UNK (11 83)							
A BENZENESULFONAMIDE, UNK (30 42)							
MIX- UNKNOWN (13 72)							
ETHANONE, 1-PHENYL- (14 38)							
UNK AROMATIC (23 98)							
UNK BENZOYL (12.95)							
UNK. DICHLOROSULFONYLBENZ (29 95)							
CYCLOHEXANOL UNK (12.65)	3 R						
CYCLIC ALIPHATIC HYDROCARB (13.48)	3 R						
UNK CYCLIC ALIPHATIC (9.00)	2 R						
BENZENESULFONAMIDE (21.88)		1600 JN					
SULFONATED BENZENE UNK. (25.95)		650 J					
MIXTURE AROMATIC UNKNOWN (21.12)		300 J					
METHOXYBENZENE UNK. (16.30)		120 J					
CHLOROBENZENESULFONAMIDE UNK. (23.50)		18 J					
BIPHENYL UNK. (26.72)		10 J					
METHANONE, DIPHENYL- (22.18)		9 JN					
BENZOIC ACID (15.00)		8 R					
HYDROXYBIPHENYL UNK. (27.09)		7 J					
SULFONATED BENZENE (18.80)		6 J					
UNK. ALIPHATIC (9.05)		5 R					
BENZENESULFONAMIDE, 4-METHYL (22.92)		4 JN					
N-CONTAINING ALIPHATIC UNK. (16.05)		3 J					
BIPHENYL -OL UNK. (20.62)		3 J					
BIPHENYL/ALIPHATIC AMINE UNK. (24.37)		2 J					
CHLOROBEN SULFOAMIDE UNK. (23.18)		2 J					

EXTRACTABI RGANIC ANALYSIS

ERM-Midwest S ber	RNS-GW-S18	RNS-GW-S19	S-GW-S19DL	RNS-GW-S22	RNS-GW-S22RE	RNS-GW-S6	W-S6DL
Laboratory Sampl	S104	S100	S100D	S105	S105RA	S096RE	J96D
Remarks			Dilution	Duplicate of RNS-GW-S18	Reextraction		Dilution
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS							
BENZENEDIOL UNK. ISOMER (16.68)		2 J					
ALIPHATIC UNKNOWN (10.72)		2 R					
MIX-ALIPHATIC UNK.+BENZ ACID (18.48)				19,000 R			
MIX-BENZOIC ACID+UNK. ALIPHATIC (17.27)				12,000 R			
MIX 98-10-2+ALIPHATIC UNK. (22.60)				5900 R			
MIX- UNK. ALIPHATICS (14.25)				4300 R			
MIX-NITROPHENYLETHNONE+UNK. (20.27)				4100 J			
MIX-ALKYLBENZENE+OTHER UNK. (16.43)				3900 J			
MIX-BROMOBENZOIC ACID+OTHER (20.57)				3900 J			
MIX-UNKNOWN SULFBENZENE+OTHER (23.57)				2900 J			
MIX-98-10-2+ UNK. OTHER (21.95)				2500 J			
UNK. PHENYL/AROMATIC (23.03)				2400 J			
MIX-98-10-2+UNKNOWN ALIPHAT. (21.49)				2400 J			
UNKNOWN PHENYL/AROMATIC (23.90)				2200 J			
MIX-BENZOIC ACID+UNKNOWN (15.95)				1600 J			
BIPHENYL/NAPTHALENE UNK. (27.30)				1500 J			
UNK. AROMATIC (22.75)				1200 J			
AMINOPHENYLETHANONE+ UNK. (20.95)				1200 J			
BENZALDEHYDE (11.53)				730 JN			
CHLOROBENZENE UNK. (19.33)				560 J			
CHLOROBENZENE UNK. (19.10)				550 J			
UNK. AROMATIC/BENZOTRIAZO (30.15)				490 J			
ETHANDIONE, DIPHENYL- (24.42)				390 JN			
BENZOYL UNK. (33.69)				380 J			
BENZOYL UNK. (33.27)				370 J			
MIX-AROMATIC NITRILE+OTHER (11.83)				320 J			
MIX-AROMATIC NITRILE+OTHER (12.03))				300 J			
BENZENESULFONAMIDE (22.22)						1700 JN	
AMINOPHENYLEHANONE UNK. (20.53)						450 J	
UNK. BIPHENYL/NAPTHALENE (27.29)						330 J	
UNK. AROMATIC ACID (16.83)						310 J	
MIX-SULFUR+UNK. (26.35)						210 J	
METHOXYALKYLBENZENE UNK. (16.33)						180 J	
UNKNOWN BIPHENYL-OL (20.70)						150 J	
MIX-4-METHOXYBENZOIC ACID+UNK. (19.42)						150 JN	
ETHANONE, AMINOPHENYL UNK. (19.15)						100 J	
UNK. AROMATIC ALCOHOL (17.58)						61 J	
MIX-UNKNOWNS (25.38)						60 J	
BENZENESULFONAMIDE,METHYL UNK. (23.18)						44 J	
UNK. ALIPHATIC (38.20)						40 J	

EXTRACTABI 'RGANIC ANALYSIS

ERM Midwest Sam... ..umber	RNS GW S18	RNS GW S19	RNS GW S19DL	RNS GW S22	RNS GW S22RE	RNS GW S6	RNS GW S6DL
Laboratory Sample Number	S104	S100	S100D	S105	S105RA	S096RE	S096D
Remarks			Dilution	Duplicate of RNS-GW-S18	Reextraction		Dilution
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS							
DICHLOROPHENOL UNK ISO (15 47)						38 J	
BENZENESULFONAMIDE, CHLORO UNK (23 72)						32 JN	
ALKOXYBENZENE UNK (16 00)						28 J	
UNK ALIPHATIC HC (30 60)						27 R	
UNK ALIPHATIC HC (29.72)						25 R	
BENZOIC ACID (15 20)						23 R	
UNK NITROGEN CPD MW-361 (37 03)						22 J	
UNK ALIPHATIC HC (31 57)						22 R	
BIPHENYL/NAPTHALENE UNK (26 75)						22 J	
UNK ALIPHATIC MW-284 (26 90)						19 R	
UNK ALIPHATIC (28 84)						16 R	
UNKNOWN (32 67)						16 J	
UNK ALKOXYBENZENE (16 25)							750 J
SULFUR, MW-(S8) (26 62)							
METHOXYBENZENE UNK (16 32)							
BIPHENYL, UNK (27 20)							
BIPHENYL-OL UNK (20 65)							
AMINOPHENYL EHTANONE UNK (17 45)							
CHLOROBENZENESULFONAMIDE UNK (23 38)							
BROMOBENZOIC ACID (19 28)							
BENZENEMETHANESULFONAMIDE+UN (30 50)							
UNK ALIPHATIC (12 62)							
SULFONYLBENZENE UNK. (18.80)							
METHOXYALKYLBENZENE UNK. (15.97)							
CHLOROBENZENESULFONAMIDE UNK. (23.55)							
BENZOIC ACID (15.03)							
CYCLOHEXENE UNK. (14.52)							
METHANONE, DIPHENYL- (22.18)							
BROMOBENZOIC ACID UNK. ISO. (19.60)							
BENZENEMETHANOL UNK. (16.48)							
CHLOROBENZOIC ACID UNK. (18.25)							
ALKYLBENZENEAMINE UNK. (15.32)							
ALIPHATIC ALCOHOL UNK. (10.08)							
BROMOPHENOL UNK. (17.00)							
UNK. ALIPHATIC (12.18)							
UNK. ALIPHATIC (22.73))							
UNK. ALKOXYBENZENE (16.25)							
MIX N-CONTAINING AROMATIC (26.63)							
BENZENESULFONAMIDE+UNK. (21.80)							
MIX ALIPAHT[illegible]K.+98-10-2 (21.22)							

EXTRACTAB[illegible]RGANIC ANALYSIS							
ERM-Midwest [illegible] ber	RNS-GW-S18	RNS-GW-S[illegible]	[illegible]S-GW-S19DL	RNS-GW-S22	RNS-GW-S22RE	RNS-GW-S6	[illegible]W-S6DL
Laboratory Sample Number	S104	S100	S100D	S105	S105RA	S096RE	[illegible]098D
Remarks			Dilution	Duplicate of RNS-GW-S18	Reextraction		Dilution
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS							
MIX BIPHENYL+FLUORIN. ALIPH. (13.18)							
UNK. ALKOXYBIPHENYL (26.85)							
METHOXYBENZENE UNK. (16.38)							
BENZENE, 2-(BROMOMETHYL)-1-M (22.82)							
AMINOPHENYLETHANONE UNK. (20.35)							
BIPHENYL -OL UNK. (20.68)							
UNK. BIPHENYL/ALKYL (27.19)							
NITROBENZENE UNK. (22.52)							
ETHANDIONE, DIPHENYL- (24.42)							
CHLORINATED AROMATIC UNK. (36.92)							
BROMOBENZOIC ACID UNK. ISO. (19.35)							
AROMATIC UNK. POSS. PHENOL (17.52)							
SULFONATED BENZENE UNK. (28.04)							
METHANONE, DIPHENYL (22.22)							
AROMATICACID UNK. (16.55)							
MIX UNK. ALIPHATICS (11.77)							
MIX UNK. AROMATICS (18.87)							
METHOXYCHLOR (38.25)							
CHLOROBIPHENYL UNK. (28.90)							
ETHANONE, 1-PHENYL- (13.53)							
DICHLOROBIPHENYL-OL UNK. (25.17)							
ALKOXYBENZENE UNK. (18.30)							
BENZENESULFONAMIDE (20.95)							

EXTRACTAB' 'RGANIC ANALYSIS

ERM Midwest San, . .lumber	RNS GW-T1	RNS GW-T1DL	RNS GW-T2	RNS GW-T2DL
Laboratory Sample Number	S098RE	S098D	S099	S099D
Remarks		Dilution		Dilution
Units	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS				
MIX- 98-10-2 + UNK ALIPH AM (22 08)				
MIX - UNK BENZAMINE+98-10-2 (21.07)				
BENZENE, METHOXY, UNK (16 25)				
CHLOROBENZENESULFONAMIDE UNK (23 55)				
CHLORO-AROMATIC UNK MW-262 (26.65)				
UNKNOWN SULFONATED BENZENE (18 75)				
OXYAROMATIC UNKNOWN MW-244 (27 07)				
ALIPHATIC UNKNOWN (9 00)				
MIX BIPHENYL-OL-OTHER UNK (20 57)				
UNK ALIPHATIC HYDROCARB (13 23)				
MIX 70-55-3 + UNK (23 02)				
CYCLOHEXANOL UNKNOWN,POSS BR (14.20)				
UNKNOWN AROMATIC (25.18)				
MIX-UNKNOWN AROMATIC+ OTHER (15 92)				
UNKNOWN CYCLOHEXANOL (12 67)				
UNKNOWN CYCLOHEXANOL (9 67)				
UNKNOWN IMIDAZOLIDINEDIONE (17 00)				
UNKNOWN AROMATIC AMINE (26 87)				
UNK ALIPHATIC KETONE/ALD (10.67)				
UNKNOWN ALKOXYBENZENE (18 20)				
UNK ALKOXYBIPHENYL, BENZ. (24.30)				
BENZENESULFONAMIDE (21.00)	1100 JN	2900 JN		
UNKNOWN ALKOXYBENZENE (16 25)				
MIX AR AMINE UNK.+DICHLOROBENZ (13.15)				
CHLOROBIPHENYL/NAPTHALENE U (26.77)				
UNKNOWN NITROBENZENE (22.75)				
UNKNOWN METHOXYBENZENE (16.32)				
MIX-CHLOROALKYLBENZENEAMINE (21 08)				
UNK NITROBENZENEAMINE (22.43)				
ETHANDIONE, DIPHENYL (24.33)				
BIPHENYL-OL/NAPTHALENE UNK. (27.07)				
CHLOROBIPHENYL-OL UNK. (28.79)				
BIPHENYL-OL UNK. (20.58)				
DICHLOROPHENOLBENZENESULFON. (27.94)				
HALOGENATED AROMATIC, MW-326 (27.34)				
PHENYLETHANDIOL (17.38)				
MIX 76-01-7 (11.68)				

EXTRACTAB[illegible]GANIC ANALYSIS				
ERM-Midwest S[illegible]ber	RNS-GW-T1	RNS-GW-T1D[illegible]	RNS-GW-T2	RNS-GW-T2DL
Laboratory Sample Number	S098RE	S098D	S099	S099D
Remarks		Dilution		Dilution
Units	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS				
DICHLOROBIPHENYL-OL UNK. (25.07)				
NAPTHYL UNK. MW-270 (29.80)				
PAH UNK.,POSS. CHLORO (23.22)				
METHANONE, DIPHENYL- (22.10)				
CHLOROBIPHENYL UNK. (32.67)				
CHLOROBIPHENYL-OL UNK. (23.03)				
BENZOFURAN UNK. (35.75)				
ETHANONE, 1-PHENYL (13.45)				
METHOXYCHLOR (41.95)				
UNKNOWN CHLOROPHENYL AROM. (36.65)				
UNK. ALIPHATIC ACID (34.10)				
BENZOIC ACID (18.30)				
BENZENESULFONAMIDE (22.27)				
BENZENE, METHOXY, UNK. (16.5)				
EBENZENESULFONAMIDE, CHLORO UNK. (23.87)				
BENZENES, UNK. MIX (21.35)				
BROMINATED AROMATIC UNK. (14.35)				
BROMOBENZOIC ACID UNK. (19.83)				
BROMOBENZOIC ACID UNK. (20.17)				
UNKNOWN SUBSTITUTED BENZENE (22.93)				
BROMOALIPHATIC UNK. (9.63)				
BENZAMIDE (18.93)				
CHLOROBENZOIC ACID UNK. (19.08)				
UNK. BIPHENYL (27.19)				
UNK. ALIPHATIC (8.47)				
MIX ACID/PAH (23.20))				
PYRIDINE, METHYLATED UNK. (13.00)				
UNK. CHLOROALIPHATIC (11.00)				
BENZOYL UNK. (24.18)				
BENZOYL UNK. (12.07)				
NITROBENZENE UNK. (13.47)				
SULFONATED PHENYL UNK. (28.92)				
UNKNOWN (30.30)				
UNKNOWN SULFONATED BENZENE (12.43)				
UNK. CYANOBENZENE (20.80)				
BENZOIC ACID (19.05)				
UNK. BENZENEMETHANOL (17.43)				
ALKOXYBENZENE UNK. (16.75)				

EXTRACTABI RGANIC ANALYSIS				
ERM Midwest San. umber	RNS GW-T1	RNS GW-T1DL	RNS GW-T2	RNS GW-T2DL
Laboratory Sample Number	S099RE	S099D	S099	S099D
Remarks		Dilution		Dilution
Units	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS				
MIXTURE UNK. AROMATIC/ALIPH. (21 50)				
BENZENESULFONAMIDE (21 90)				
UNKNOWN AROMATIC (28 62)				
BENZENESULFONAMIDE, CHLORO (23.55)				
BROMOALIPHATIC UNK (10 87)				
BENZOIC ACID, BROMO- (20 18)				
BENZAMIDE (19 47)				
UNKNOWN AROMATIC (22 88)				
UNKNOWN AROMATIC (22 62)				
MIX DICHLOROPHENOL/OTHER (15 85)				
UNKNOWN AROMATIC (28 85)				
BENZONITRILE (13 25)				
UNK NITROBENZENE (14 05)				
UNKNOWN BIPHENYL-OL (21 03)				
METHANE, DICHLORO-, +UNK (11 83)				
A BENZENESULFONAMIDE, UNK (30 42)				
MIX- UNKNOWN (13 72)				
ETHANONE, 1 PHENYL- (14 38)				
UNK AROMATIC (23 98)				
UNK. BENZOYL (12 95)				
UNK DICHLOROSULFONYLBENZ. (29 95)				
CYCLOHEXANOL UNK (12.65)				
CYCLIC ALIPHATIC HYDROCARB. (13.48)				
UNK. CYCLIC ALIPHATIC (9 00)				
BENZENESULFONAMIDE (21 88)				
SULFONATED BENZENE UNK (25.95)				
MIXTURE AROMATIC UNKNOWN (21.12)				
METHOXYBENZENE UNK. (16.30)				
CHLOROBENZENESULFONAMIDE UNK. (23.50)				
BIPHENYL UNK. (26.72)				
METHANONE, DIPHENYL- (22.18)				
BENZOIC ACID (15 00)				
HYDROXYBIPHENYL UNK. (27.09)				
SULFONATED BENZENE (18.80)				
UNK. ALIPHATIC (9 05)				
BENZENESULFONAMIDE, 4-METHYL (22.92)				
N-CONTAINING ALIPHATIC UNK. (16.05)				
BIPHENYL -OL UNK. (20.62)				
BIPHENYL/ALIPHATIC AMINE UNK. (24.37)				
CHLOROBEN SULFOAMIDE UNK. (23.18)				

EXTRACTAB[illegible]RGANIC ANALYSIS				
ERM-Midwest [illegible]ber	RNS-GW-T1	RNS-GW-T1[illegible]	RNS-GW-T2	RNS-GW-T2DL
Laboratory Samp[illegible] Number	S098RE	S098D	S099	S099D
Remarks		Dilution		Dilution
Units	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS				
BENZENEDIOL UNK. ISOMER (16.68)				
ALIPHATIC UNKNOWN (10.72)				
MIX-ALIPHATIC UNK.+BENZ ACID (18.48)				
MIX-BENZOIC ACID+UNK. ALIPHATIC (17.27)				
MIX 98-10-2+ALIPHATIC UNK. (22.60)				
MIX- UNK. ALIPHATICS (14.25)				
MIX-NITROPHENYLETHNONE+UNK. (20.27)				
MIX-ALKYLBENZENE+OTHER UNK. (16.43)				
MIX-BROMOBENZOIC ACID+OTHER (20.57)				
MIX-UNKNOWN SULFBENZENE+OTHER (23.57)				
MIX-98-10-2+ UNK. OTHER (21.95)				
UNK. PHENYL/AROMATIC (23.03)				
MIX-98-10-2+UNKNOWN ALIPHAT. (21.49)				
UNKNOWN PHENYL/AROMATIC (23.90)				
MIX-BENZOIC ACID+UNKNOWN (15.95)				
BIPHENYL/NAPTHALENE UNK. (27.30)				
UNK. AROMATIC (22.75)				
AMINOPHENYLETHANONE+ UNK. (20.95)				
BENZALDEHYDE (11.53)				
CHLOROBENZENE UNK. (19.33)				
CHLOROBENZENE UNK. (19.10)				
UNK. AROMATIC/BENZOTRIAZO (30.15)				
ETHANDIONE, DIPHENYL- (24.42)				
BENZOYL UNK. (33.69)				
BENZOYL UNK. (33.27)				
MIX-AROMATIC NITRILE+OTHER (11.83)				
MIX-AROMATIC NITRILE+OTHER (12.03))				
BENZENESULFONAMIDE (22.22)				
AMINOPHENYLEHANONE UNK. (20.53)				
UNK. BIPHENYL/NAPTHALENE (27.29)				
UNK. AROMATIC ACID (16.83)				
MIX-SULFUR+UNK. (26.35)				
METHOXYALKYLBENZENE UNK. (16.33)				
UNKNOWN BIPHENYL-OL (20.70)				
MIX-4-METHOXYBENZOIC ACID+UNK. (19.42)				
ETHANONE, AMINOPHENYL UNK. (19.15)				
UNK. AROMATIC ALCOHOL (17.58)				
MIX-UNKNOWNS (25.38)				
BENZENESULFONAMIDE,METHYL UNK. (23.18)				
UNK. ALIPHATIC (38.20)				

EXTRACTABI ORGANIC ANALYSIS

ERM Midwest San., umber	RNS GW T1	RNS GW T1DL	RNS GW T2	RNS GW T2DL
Laboratory Sample Number	S098RE	S098D	S099	S099D
Remarks		Dilution		Dilution
Units	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS				
DICHLOROPHENOL UNK. ISO. (15.47)				
BENZENESULFONAMIDE, CHLORO UNK (23 72)				
ALKOXYBENZENE UNK (16.00)				
UNK. ALIPHATIC HC (30.60)				
UNK. ALIPHATIC HC (29.72)				
BENZOIC ACID (15.20)				
UNK NITROGEN CPD MW-361 (37 03)				
UNK ALIPHATIC HC (31 57)				
BIPHENYL/NAPTHALENE UNK (26 75)				
UNK ALIPHATIC MW-284 (26 90)				
UNK. ALIPHATIC (28 84)				
UNKNOWN (32 67)				
UNK ALKOXYBENZENE (16.25)				
SULFUR, MW-(S8) (26 62)	780 JN			
METHOXYBENZENE UNK (16 32)	160 J			
BIPHENYL, UNK (27 20)	72 J			
BIPHENYL-OL UNK (20 65)	71 J			
AMINOPHENYL EHTANONE UNK (17 45)	28 J			
CHLOROBENZENESULFONAMIDE UNK (23 38)	26 J			
BROMOBENZOIC ACID (19 28)	23 J			
BENZENEMETHANESULFONAMIDE+UN (30 50)	20 JN			
UNK. ALIPHATIC (12 62)	14 J			
SULFONYLBENZENE UNK. (18.80)	13 J			
METHOXYALKYLBENZENE UNK. (15 97)	9 J			
CHLOROBENZENESULFONAMIDE UNK. (23.55)	8 J			
BENZOIC ACID (15.03)	6 R			
CYCLOHEXENE UNK. (14.52)	8 J			
METHANONE, DIPHENYL- (22.18)	6 JN			
BROMOBENZOIC ACID UNK. ISO. (19.60)	6 J			
BENZENEMETHANOL UNK. (16.48)	5 J			
CHLOROBENZOIC ACID UNK. (18.25)	5 J			
ALKYLBENZENEAMINE UNK. (15.32)	4 J			
ALIPHATIC ALCOHOL UNK. (10.08)	4 R			
BROMOPHENOL UNK. (17.00)	4 J			
UNK. ALIPHATIC (12.18)	3 R			
UNK. ALIPHATIC (22.73))	3 R			
UNK. ALKOXYBENZENE (16.25)		430 J		
MIX N-CONTAINING AROMATIC (26.63)			1500 J	
BENZENESU AMIDE+UNK. (21.80)			1100 JN	
MIX ALIPAH .+98-10-2 (21.22)			790 R	

EXTRACTABL[illegible]RGANIC ANALYSIS				
ERM-Midwest S[illegible]ber	RNS-GW-T1	RNS-GW-T1D[illegible]	RNS-GW-T2	RNS-GW-T2DL
Laboratory Sample number	S098RE	S098D	S099	S099D
Remarks		Dilution		Dilution
Units	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE TICS				
MIX BIPHENYL+FLUORIN. ALIPH. (13.18)			700 J	
UNK. ALKOXYBIPHENYL (26.85)			250 J	
METHOXYBENZENE UNK. (16.38)			170 J	
BENZENE, 2-(BROMOMETHYL)-1-M (22.82)			130 JN	
AMINOPHENYLETHANONE UNK. (20.35)			120 J	
BIPHENYL -OL UNK. (20.68)			110 J	
UNK. BIPHENYL/ALKYL (27.19)			110 J	
NITROBENZENE UNK. (22.52)			96 J	
ETHANDIONE, DIPHENYL- (24.42)			68 JN	
CHLORINATED AROMATIC UNK. (36.92)			62 J	
BROMOBENZOIC ACID UNK. ISO. (19.35)			45 J	
AROMATIC UNK. POSS. PHENOL (17.52)			44 J	
SULFONATED BENZENE UNK. (28.04)			41 J	
METHANONE, DIPHENYL (22.22)			35 JN	
AROMATICACID UNK. (16.55)			30 J	
MIX UNK. ALIPHATICS (11.77)			29 J	
MIX UNK. AROMATICS (18.87)			24 J	
METHOXYCHLOR (38.25)			23 J	
CHLOROBIPHENYL UNK. (28.90)			22 J	
ETHANONE, 1-PHENYL- (13.53)			21 JN	
DICHLOROBIPHENYL-OL UNK. (25.17)			21 J	
ALKOXYBENZENE UNK. (18.30)			19 J	
BENZENESULFONAMIDE (20.95)				1700 JN

RUETGERS-NEASE CHEMICAL COMPANY, INC.
SALEM, OHIO
ROUND 1 GROUNDWATER RESULTS

Pesticides/PCBs

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S1	RNS-GW-S2	RNS-GW-S3	RNS-GW-S4	RNS-GW-S6	RNS-GW-S6DL
Laboratory Sample Number		P054	P077	P063	P061	P096	P096DL10
Remarks							Dilution
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Quantitation						
PESTICIDES/AROCLORS	Limit (Ag)						
alpha-BHC	0.05		UJ	UJ	UJ		
beta-BHC	0.05		UJ	UJ	UJ		
delta-BHC	0.05		UJ	UJ	UJ		
gamma-BHC (Lindane)	0.05		UJ	UJ	UJ		
Heptachlor	0.05		UJ	UJ	UJ		
Aldrin	0.05		UJ	UJ	UJ		
Heptachlor Epoxide	0.05		UJ	UJ	UJ		
Endosulfan I	0.05		UJ	UJ	UJ		
Dieldrin	0.1		UJ	UJ	UJ		
4,4'-DDE	0.1		UJ	UJ	UJ	0.014 J	
Endrin	0.1		UJ	UJ	UJ		0.026 J
Endosulfan II	0.1		UJ	UJ	UJ		
4,4'-DDD	0.1		0.013 J	UJ	UJ		
Endosulfan Sulfate	0.1		UJ	UJ	UJ	0.036 J	UJ
4,4'-DDT	0.1		UJ	UJ	UJ	0.010 J	
Methoxychlor	0.5		UJ	UJ	UJ		
Endrin Ketone	0.1		UJ	UJ	UJ		
Endrin Aldehyde	0.1		UJ	UJ	UJ		
alpha-Chlordane	0.05		UJ	UJ	UJ	0.038 J	
gamma-Chlordane	0.05		UJ	UJ	UJ		
Toxaphene	5		UJ	UJ	UJ		
Aroclor-1016	1		UJ	UJ	UJ		
Aroclor-1221	2		UJ	UJ	UJ		
Aroclor-1232	1		UJ	UJ	UJ		
Aroclor-1242	1		UJ	UJ	UJ		
Aroclor-1248	1		UJ	UJ	UJ		
Aroclor-1254	1		UJ	UJ	UJ		
Aroclor-1260	1		UJ	UJ	UJ		
Quantitation Limit Multiplier		1	1	1	1	1	10
Date of Sample Collection		10/27/92	11/02/92	10/28/92	10/27/92	11/03/92	11/03/92
Date Sample Received by Laboratory		10/28/92	11/03/92	10/29/92	10/28/92	11/05/92	11/05/92
Date Sample Extracted		10/30/92	11/05/92	10/30/92	10/30/92	11/09/92	11/09/92
Date of Sample Analysis		12/05/92	12/09/92	12/05/92	12/05/92	12/10/92	12/16/92

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EXTRACTABLE ORGANIC ANALYSIS

EPM-Midwest Sample Number		RNS-GW-S7	RNS-GW-S7-108	RNS-GW-S8	RNS-GW-S9	RNS-GW-S10	RNS-GW-S11
Laboratory Sample Number		P092	P095	P088	P042	P059	P058
Remarks			Field Blank				
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES/AROCLORS	Quantitation Limit (Aq)						
alpha-BHC	0.05			UJ			
beta-BHC	0.05			UJ			
delta-BHC	0.05			UJ			
gamma-BHC (Lindane)	0.05			UJ			
Heptachlor	0.05			UJ			
Aldrin	0.05			UJ			
Heptachlor Epoxide	0.05			UJ			
Endosulfan I	0.05	0.05 U		UJ			
Dieldrin	0.1			UJ			
4,4'-DDE	0.1			UJ			
Endrin	0.1	0.017 J		UJ			
Endosulfan II	0.1	0.10 U		0.10 U			
4,4'-DDD	0.1			UJ			
Endosulfan Sulfate	0.1			UJ			
4,4'-DDT	0.1			0.023 J			
Methoxychlor	0.5	0.50 U	1.4	0.50 U			
Endrin Ketone	0.1			UJ			
Endrin Aldehyde	0.1		0.11 J	UJ			
alpha-Chlordane	0.05			UJ			
gamma-Chlordane	0.05	0.011 J		UJ			
Toxaphene	5			UJ			
Aroclor-1016	1			UJ			
Aroclor-1221	2			UJ			
Aroclor-1232	1			UJ			
Aroclor-1242	1			UJ			
Aroclor-1248	1			UJ			
Aroclor-1254	1			UJ			
Aroclor-1260	1			UJ			
Quantitation Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		11/03/92	11/03/92	11/03/92	10/26/92	10/27/92	10/27/92
Date Sample Received by Laboratory		11/04/92	11/04/92	11/04/92	10/28/92	10/28/92	10/28/92
Date Sample Extracted		11/05/92	11/09/92	11/05/92	10/30/92	10/30/92	10/30/92
Date of Sample Analysis		12/09/92	12/10/92	12/09/92	12/01/92	12/05/92	12/05/92

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S12	RNS-GW-S12DL	RNS-GW-S13	RNS-GW-S13DL	RNS-GW-S14	RNS-GW-S15
Laboratory Sample Number		P082DL10	P082DL100	P076	P076DL10	P066	P081
Remarks		Dilution	Dilution		Dilution		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Quantitation						
PESTICIDES/AROCLORS	Limit (Aq)						
alpha-BHC	0.05	UJ	UJ	UJ	UJ	UJ	
beta-BHC	0.05	UJ	UJ	UJ	UJ	R	
delta-BHC	0.05	UJ	UJ	UJ		R	
gamma-BHC (Lindane)	0.05	0.13 J	UJ	0.064 U	0.05 U	UJ	
Heptachlor	0.05	UJ	UJ	UJ	UJ	R	
Aldrin	0.05	UJ	UJ	UJ		R	
Heptachlor Epoxide	0.05	UJ	UJ	UJ		R	
Endosulfan I	0.05	UJ	UJ	UJ	UJ	R	
Dieldrin	0.1	UJ	UJ	UJ	UJ	R	
4,4'-DDE	0.1	UJ	UJ	UJ		R	
Endrin	0.1	0.21 J	UJ	UJ		R	
Endosulfan II	0.1	0.63 J	UJ	UJ		R	
4,4'-DDD	0.1	UJ	UJ	0.047 J		R	
Endosulfan Sulfate	0.1	UJ	UJ	UJ	UJ	UJ	
4,4'-DDT	0.1	UJ	UJ	UJ		R	
Methoxychlor	0.5	UJ	UJ	UJ		UJ	
Endrin Ketone	0.1	UJ	UJ	UJ		UJ	
Endrin Aldehyde	0.1	1.2	0.82 J	UJ		UJ	
alpha-Chlordane	0.05	UJ	UJ	UJ		R	
gamma-Chlordane	0.05	UJ	UJ	UJ		R	
Toxaphene	5	UJ	UJ	UJ		R	
Aroclor-1016	1	UJ	UJ	UJ		R	
Aroclor-1221	2	UJ	UJ	UJ		R	
Aroclor-1232	1	UJ	UJ	UJ		R	
Aroclor-1242	1	UJ	UJ	UJ		R	
Aroclor-1248	1	UJ	UJ	UJ		R	
Aroclor-1254	1	UJ	UJ	UJ		R	
Aroclor-1260	1	UJ	UJ	UJ		R	
Quantitation Limit Multiplier		10	100	1	10	1	1
Date of Sample Collection		11/02/92	11/02/92	11/02/92	11/02/92	10/28/92	11/02/92
Date Sample Received by Laboratory		11/03/92	11/03/92	11/03/92	11/03/92	10/29/92	11/03/92
Date Sample Extracted		11/05/92	11/05/92	11/05/92	11/05/92	11/03/92	11/05/92
Date of Sample Analysis		12/16/92	12/16/92	12/09/92	12/16/92	12/05/92	12/09/92

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S16	RNS-GW-S16-105	RNS-GW-S17	RNS-GW-S20	RNS-GW-S18	RNS-GW-S18DL
Laboratory Sample Number		P071	P072	P073	P075	P104DL100	P104DL1000
Remarks			Field Blank		Duplicate of RNS-GW-S17	Dilution	Dilution
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES/AROCLORS	Quantitation Limit (Aq)						
alpha-BHC	0.05	UJ					
beta-BHC	0.05	UJ					
delta-BHC	0.05	UJ					
gamma-BHC (Lindane)	0.05	UJ					
Heptachlor	0.05	UJ					
Aldrin	0.05	UJ					
Heptachlor Epoxide	0.05	UJ					
Endosulfan I	0.05	UJ					
Dieldrin	0.1	UJ					
4,4'-DDE	0.1	UJ					
Endrin	0.1	UJ					
Endosulfan II	0.1	UJ					
4,4'-DDD	0.1	UJ					53 J
Endosulfan Sulfate	0.1	UJ					
4,4'-DDT	0.1	UJ				0.97 J	
Methoxychlor	0.5	UJ				1.0 J	
Endrin Ketone	0.1	UJ					
Endrin Aldehyde	0.1	UJ				2.7 J	
alpha-Chlordane	0.05	UJ					
gamma-Chlordane	0.05	UJ				0.28 J	
Toxaphene	5	UJ					
Aroclor-1016	1	UJ					
Aroclor-1221	2	UJ					
Aroclor-1232	1	UJ					
Aroclor-1242	1	UJ					
Aroclor-1248	1	UJ					
Aroclor-1254	1	UJ					
Aroclor-1260	1	UJ					
Quantitation Limit Multiplier		1	1	1	1	100	1000
Date of Sample Collection		10/28/92	10/28/92	11/02/92	11/02/92	11/04/92	11/04/92
Date Sample Received by Laboratory		10/29/92	10/29/92	11/03/92	11/03/92	11/05/92	11/05/92
Date Sample Extracted		11/03/92	11/03/92	11/05/92	11/05/92	11/09/92	11/09/92
Date of Sample Analysis		12/08/92	12/08/92	12/08/92	12/08/92	12/16/92	12/16/92

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S22	RNS-GW-S22DL	RNS-GW-D1	RNS-GW-D1-104	RNS-GW-D2	RNS-GW-D3
Laboratory Sample Number		P105DL100	P105DL1000	P040	P041	P089	P062
Remarks		Dilution	Dilution		Field Blank		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Quantitation						
PESTICIDES/AROCLORS	Limit (Aq)						
alpha-BHC	0.05						UJ
beta-BHC	0.05						UJ
delta-BHC	0.05						UJ
gamma-BHC (Lindane)	0.05						UJ
Heptachlor	0.05						UJ
Aldrin	0.05						UJ
Heptachlor Epoxide	0.05						UJ
Endosulfan I	0.05						UJ
Dieldrin	0.1						UJ
4,4'-DDE	0.1						UJ
Endrin	0.1	4.4 J					UJ
Endosulfan II	0.1	1.3 J					UJ
4,4'-DDD	0.1						UJ
Endosulfan Sulfate	0.1						UJ
4,4'-DDT	0.1	2.2 J	1.7 J				UJ
Methoxychlor	0.5	4.3 J	1.4 J				UJ
Endrin Ketone	0.1						UJ
Endrin Aldehyde	0.1	6.6 J					UJ
alpha-Chlordane	0.05						UJ
gamma-Chlordane	0.05	0.36 J					UJ
Toxaphene	5						UJ
Aroclor-1016	1						UJ
Aroclor-1221	2						UJ
Aroclor-1232	1						UJ
Aroclor-1242	1						UJ
Aroclor-1248	1						UJ
Aroclor-1254	1						UJ
Aroclor-1260	1						UJ
Quantitation Limit Multiplier		100	1000	1	1	1	1
Date of Sample Collection		11/04/92	11/04/92	10/26/92	10/26/92	11/03/92	10/28/92
Date Sample Received by Laboratory		11/05/92	11/05/92	10/27/92	10/27/92	11/04/92	10/29/92
Date Sample Extracted		11/09/92	11/09/92	10/27/92	10/27/92	11/05/92	10/30/92
Date of Sample Analysis		12/16/92	12/16/92	12/01/92	12/01/92	12/09/92	12/05/92

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-D18	RNS-GW-D4	RNS-GW-D5	RNS-GW-D6	RNS-GW-D7	RNS-GW-D8
Laboratory Sample Number		P084	P080	P058	P097	P087	P074
Remarks		Duplicate of RNS-GW-D3					
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES/AROCLORS	Quantitation Limit (Aq)						
alpha-BHC	0.05						UJ
beta-BHC	0.05						UJ
delta-BHC	0.05						UJ
gamma-BHC (Lindane)	0.05						UJ
Heptachlor	0.05						UJ
Aldrin	0.05						UJ
Heptachlor Epoxide	0.05						UJ
Endosulfan I	0.05				0.05 U		UJ
Dieldrin	0.1						UJ
4,4'-DDE	0.1						UJ
Endrin	0.1						UJ
Endosulfan II	0.1						UJ
4,4'-DDD	0.1				0.0040 J		UJ
Endosulfan Sulfate	0.1						UJ
4,4'-DDT	0.1				0.011 J		UJ
Methoxychlor	0.5						UJ
Endrin Ketone	0.1						UJ
Endrin Aldehyde	0.1						UJ
alpha-Chlordane	0.05						UJ
gamma-Chlordane	0.05						UJ
Toxaphene	5						UJ
Aroclor-1016	1						UJ
Aroclor-1221	2						UJ
Aroclor-1232	1						UJ
Aroclor-1242	1						UJ
Aroclor-1248	1						UJ
Aroclor-1254	1						UJ
Aroclor-1260	1						UJ
Quantitation Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		10/28/92	10/27/92	10/27/92	11/03/92	10/28/92	11/02/92
Date Sample Received by Laboratory		10/29/92	10/28/92	10/28/92	11/05/92	10/29/92	11/03/92
Date Sample Extracted		11/03/92	10/30/92	10/30/92	11/09/92	11/03/92	11/05/92
Date of Sample Analysis		12/05/92	12/05/92	12/05/92	12/10/92	12/05/92	12/06/92

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-D9	RNS-GW-D10	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D12	RNS-GW-D12DL
Laboratory Sample Number		P070	P034	P093	P093DL10	P090DL10	P090DL100
Remarks					Dilution		Dilution
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Quantitation						
PESTICIDES/AROCLORS	Limit (Aq)						
alpha-BHC	0.05						
beta-BHC	0.05						
delta-BHC	0.05						
gamma-BHC (Lindane)	0.05						
Heptachlor	0.05					UJ	UJ
Aldrin	0.05						
Heptachlor Epoxide	0.05				UJ	UJ	UJ
Endosulfan I	0.05				0.11 R	2.1 J	1.9 J
Dieldrin	0.1				UJ	UJ	UJ
4,4'-DDE	0.1						
Endrin	0.1					7.3 J	0.80 J
Endosulfan II	0.1			0.10 U	UJ	2.2 J	1.9 J
4,4'-DDD	0.1						
Endosulfan Sulfate	0.1						
4,4'-DDT	0.1					1.1 J	0.83 J
Methoxychlor	0.5					130 J	280 J
Endrin Ketone	0.1						
Endrin Aldehyde	0.1			0.10 U	1.0 U	14 J	12 J
alpha-Chlordane	0.05			0.023 J	UJ	0.28 J	UJ
gamma-Chlordane	0.05			0.0036 J		0.44 J	
Toxaphene	5						
Aroclor-1016	1						
Aroclor-1221	2						
Aroclor-1232	1						
Aroclor-1242	1						
Aroclor-1248	1						
Aroclor-1254	1						
Aroclor-1260	1						
Quantitation Limit Multiplier		1	1	1	10	10	100
Date of Sample Collection		10/28/92	10/22/92	11/03/92	11/03/92	11/03/92	11/03/92
Date Sample Received by Laboratory		10/29/92	10/23/92	11/04/92	11/04/92	11/04/92	11/04/92
Date Sample Extracted		11/03/92	10/27/92	11/05/92	11/05/92	11/05/92	11/05/92
Date of Sample Analysis		12/06/92	12/01/92	12/09/92	12/16/92	12/16/92	12/16/92

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S21	RNS-GW-S21DL	RNS-GW-D13	RNS-GW-D14	RNS-GW-D19
Laboratory Sample Number		P091DL10	P091DL100	P094	P078	P079
Remarks		Duplicate of RNS-GW-D12	Duplicate of RNS-GW-D12			Duplicate of RNS-GW-D14
Units		ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES/AROCLORS	Quantitation Limit (Aq)		Dilution			
alpha-BHC	0.05	UJ				
beta-BHC	0.05	UJ				
delta-BHC	0.05	UJ				
gamma-BHC (Lindane)	0.05					
Heptachlor	0.05		UJ			
Aldrin	0.05	UJ				
Heptachlor Epoxide	0.05		UJ			
Endosulfan I	0.05	1.5 J	1.4 J			
Dieldrin	0.1		UJ			
4,4'-DDE	0.1					
Endrin	0.1		UJ			
Endosulfan II	0.1	0.62 J	0.16 J			
4,4'-DDD	0.1	UJ				
Endosulfan Sulfate	0.1					
4,4'-DDT	0.1	UJ		0.0028 J		
Methoxychlor	0.5	58 J	58 J	UJ		
Endrin Ketone	0.1			UJ		
Endrin Aldehyde	0.1	3.2 J	2.3 J			
alpha-Chlordane	0.05					
gamma-Chlordane	0.05	UJ				
Toxaphene	5					
Aroclor-1016	1					
Aroclor-1221	2					
Aroclor-1232	1					
Aroclor-1242	1					
Aroclor-1248	1					
Aroclor-1254	1					
Aroclor-1260	1					
Quantitation Limit Multiplier		10	100	1	1	1
Date of Sample Collection		11/03/92	11/03/92	11/03/92	11/02/92	11/02/92
Date Sample Received by Laboratory		11/04/92	11/04/92	11/04/92	11/03/92	11/03/92
Date Sample Extracted		11/05/92	11/05/92	11/09/92	11/05/92	11/05/92
Date of Sample Analysis		12/16/92	12/16/92	12/09/92	12/09/92	12/09/92

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-D15	RNS-GW-D16	RNS-GW-D17	RNS-GW-T1	RNS-GW-T2	RNS-GW-T2DL
Laboratory Sample Number		P086	P013	P083	P098	P099DL10	P099DL100
Remarks						Dilution	Dilution
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Quantitation						
PESTICIDES/AROCLORS	Limit (Aq)						
alpha-BHC	0.05	UJ		UJ	UJ		
beta-BHC	0.05	UJ		UJ	UJ		
delta-BHC	0.05	UJ		UJ	UJ		
gamma-BHC (Lindane)	0.05	UJ		UJ	UJ		
Heptachlor	0.05	UJ		UJ	UJ		
Aldrin	0.05	0.0078 J		UJ	UJ		
Heptachlor Epoxide	0.05	UJ		UJ	UJ		
Endosulfan I	0.05	UJ		UJ	UJ	0.59 J	0.65 J
Dieldrin	0.1	UJ		UJ	UJ		
4,4'-DDE	0.1	UJ		UJ	UJ		
Endrin	0.1	UJ		UJ	UJ		
Endosulfan II	0.1	UJ		UJ	UJ	0.17 J	
4,4'-DDD	0.1	0.0077 J		UJ	0.012 J		
Endosulfan Sulfate	0.1	UJ		UJ	UJ		
4,4'-DDT	0.1	0.0046 J		UJ	0.0077 J		
Methoxychlor	0.5	UJ		0.50 U	UJ	24	18
Endrin Ketone	0.1	UJ		UJ	UJ		
Endrin Aldehyde	0.1	UJ		UJ	UJ	0.98 J	0.69 J
alpha-Chlordane	0.05	0.0068 J		UJ	UJ		
gamma-Chlordane	0.05	UJ		UJ	UJ		
Toxaphene	5	UJ		UJ	UJ		
Aroclor-1016	1	UJ		UJ	UJ		
Aroclor-1221	2	UJ		UJ	UJ		
Aroclor-1232	1	UJ		UJ	UJ		
Aroclor-1242	1	UJ		UJ	UJ		
Aroclor-1248	1	UJ		UJ	UJ		
Aroclor-1254	1	UJ		UJ	UJ		
Aroclor-1260	1	UJ		UJ	UJ		
Quantitation Limit Multiplier		1	1	1	1	10	100
Date of Sample Collection		11/03/92	10/21/92	11/03/92	11/04/92	11/04/92	11/04/92
Date Sample Received by Laboratory		11/04/92	10/22/92	11/04/92	11/05/92	11/05/92	11/05/92
Date Sample Extracted		11/05/92	10/22/92	11/05/92	11/09/92	11/09/92	11/09/92
Date of Sample Analysis		12/09/92	11/16/92	12/09/92	12/10/92	12/16/92	12/16/92

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-RW1	RNS-GW-RW1-107	RNS-GW-RW1-107DL	RNS-GW-RW1	RNS-GW-AS	RNS-GW-AUS
Laboratory Sample Number		P106DL10	P106DL10	P106DL100	P106DL100	P037	P038
Remarks		Dilution	Dilution	Dilution	Dilution		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES/AROCLORS	Quantitation Limit (Aq)		Field				
alpha-BHC	0.05					R	
beta-BHC	0.05					R	
delta-BHC	0.05					R	
gamma-BHC (Lindane)	0.05					R	
Heptachlor	0.05					R	
Aldrin	0.05					R	
Heptachlor Epoxide	0.05					R	
Endosulfan I	0.05	0.55 J			0.62 J	R	
Dieldrin	0.1					R	
4,4'-DDE	0.1					R	
Endrin	0.1					R	
Endosulfan II	0.1					R	
4,4'-DDD	0.1					R	
Endosulfan Sulfate	0.1					R	
4,4'-DDT	0.1					R	
Methoxychlor	0.5	7.7	0.15 J		5.3 J	R	
Endrin Ketone	0.1					R	
Endrin Aldehyde	0.1	0.97 J			0.63 J	R	
alpha-Chlordane	0.05					R	
gamma-Chlordane	0.05					R	
Toxaphene	5					R	
Aroclor-1016	1					R	
Aroclor-1221	2					R	
Aroclor-1232	1					R	
Aroclor-1242	1					R	
Aroclor-1248	1					R	
Aroclor-1254	1					R	
Aroclor-1260	1					R	
Quantitation Limit Multiplier		10	10	100	100	1	1
Date of Sample Collection		11/04/92	11/04/92	11/04/92	11/04/92	10/26/92	10/26/92
Date Sample Received by Laboratory		11/05/92	11/05/92	11/05/92	11/05/92	10/27/92	10/27/92
Date Sample Extracted		11/09/92	11/09/92	11/09/92	11/09/92	10/27/92	10/27/92
Date of Sample Analysis		12/16/92	12/17/92	12/16/92	12/16/92	12/01/92	12/01/92

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-AVF1	RNS-GW-BS	RNS-GW-CS	RNS-GW-CUB	RNS-GW-CLB	RNS-GW-DVF2
Laboratory Sample Number		P038	P039	P005	P006	P021	P020
Remarks		Duplicate of RNS-GW-AUB					
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Quantitation						
PESTICIDES/AROCLORS	Limit (Aq)						
alpha-BHC	0.05		UJ				UJ
beta-BHC	0.05		UJ				UJ
delta-BHC	0.05		UJ				UJ
gamma-BHC (Lindane)	0.05		UJ				UJ
Heptachlor	0.05		UJ				UJ
Aldrin	0.05		UJ				UJ
Heptachlor Epoxide	0.05		UJ				UJ
Endosulfan I	0.05		UJ				UJ
Dieldrin	0.1		UJ				UJ
4,4'-DDE	0.1		UJ				UJ
Endrin	0.1		UJ				UJ
Endosulfan II	0.1		UJ				UJ
4,4'-DDD	0.1		UJ				UJ
Endosulfan Sulfate	0.1		UJ				UJ
4,4'-DDT	0.1		UJ				UJ
Methoxychlor	0.5		UJ				UJ
Endrin Ketone	0.1		UJ				UJ
Endrin Aldehyde	0.1		UJ				UJ
alpha-Chlordane	0.05		UJ				UJ
gamma-Chlordane	0.05		UJ				UJ
Toxaphene	5		UJ				UJ
Aroclor-1016	1		UJ				UJ
Aroclor-1221	2		UJ				UJ
Aroclor-1232	1		UJ				UJ
Aroclor-1242	1		UJ				UJ
Aroclor-1248	1		UJ				UJ
Aroclor-1254	1		UJ				UJ
Aroclor-1260	1		UJ				UJ
Quantitation Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		10/26/92	10/26/92	10/19/92	10/19/92	10/20/92	10/21/92
Date Sample Received by Laboratory		10/27/92	10/27/92	10/21/92	10/21/92	10/21/92	10/22/92
Date Sample Extracted		10/27/92	10/27/92	10/22/92	10/22/92	10/22/92	10/22/92
Date of Sample Analysis		12/01/92	12/01/92	11/15/92	11/15/92	11/16/92	11/16/92

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-DVF3	RNS-GW-DLB	RNS-GW-EVF1	RNS-GW-EVF2	RNS-GW-EVF3
Laboratory Sample Number		P019	P018	P010	P011	P012
Remarks						
Units		ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES/AROCLORS	Quantitation Limit (Aq)					
alpha-BHC	0.05					
beta-BHC	0.05					
delta-BHC	0.05					
gamma-BHC (Lindane)	0.05					
Heptachlor	0.05					
Aldrin	0.05					
Heptachlor Epoxide	0.05					
Endosulfan I	0.05					
Dieldrin	0.1					
4,4'-DDE	0.1					
Endrin	0.1					
Endosulfan II	0.1					
4,4'-DDD	0.1					
Endosulfan Sulfate	0.1					
4,4'-DDT	0.1					
Methoxychlor	0.5					
Endrin Ketone	0.1					
Endrin Aldehyde	0.1					
alpha-Chlordane	0.05					
gamma-Chlordane	0.05					
Toxaphene	5					
Aroclor-1016	1					
Aroclor-1221	2					
Aroclor-1232	1					
Aroclor-1242	1					
Aroclor-1248	1					
Aroclor-1254	1					
Aroclor-1260	1					
Quantitation Limit Multiplier		1	1	1	1	1
Date of Sample Collection		10/21/92	10/21/92	10/21/92	10/21/92	10/21/92
Date Sample Received by Laboratory		10/22/92	10/22/92	10/22/92	10/22/92	10/22/92
Date Sample Extracted		10/22/92	10/22/92	10/22/92	10/22/92	10/22/92
Date of Sample Analysis		11/16/92	11/16/92	11/15/92	11/15/92	11/15/92

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-EVF5	RNS-GW-EVF4	RNS-GW-ELB	RNS-GW-FVF3	RNS-GW-FVF4
Laboratory Sample Number		P014	P022	P025	P027	P026
Remarks		Duplicate of RNS-GW-EVF3				
Units		ug/L	ug/L	ug/L	ug/L	ug/L
	Quantitation					
PESTICIDES/AROCLORS	Limit (Aq)					
alpha-BHC	0.05					
beta-BHC	0.05					
delta-BHC	0.05					
gamma-BHC (Lindane)	0.05					
Heptachlor	0.05					
Aldrin	0.05					
Heptachlor Epoxide	0.05					
Endosulfan I	0.05					
Dieldrin	0.1					
4,4'-DDE	0.1					
Endrin	0.1					
Endosulfan II	0.1					
4,4'-DDD	0.1					
Endosulfan Sulfate	0.1					
4,4'-DDT	0.1					
Methoxychlor	0.5					
Endrin Ketone	0.1					
Endrin Aldehyde	0.1					
alpha-Chlordane	0.05					
gamma-Chlordane	0.05					
Toxaphene	5					
Aroclor-1016	1					
Aroclor-1221	2					
Aroclor-1232	1					
Aroclor-1242	1					
Aroclor-1248	1					
Aroclor-1254	1					
Aroclor-1260	1					
Quantitation Limit Multiplier		1	1	1	1	1
Date of Sample Collection		10/21/92	10/22/92	10/22/92	10/22/92	10/22/92
Date Sample Received by Laboratory		10/22/92	10/23/92	10/23/92	10/23/92	10/23/92
Date Sample Extracted		10/22/92	10/27/92	10/27/92	10/27/92	10/27/92
Date of Sample Analysis		11/16/92	11/16/92	11/30/92	12/01/92	11/30/92

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-FVF4-103	RNS-GW-FVF6	RNS-GW-FLB	RNS-GW-GUB	RNS-GW-HB	RNS-GW-HVF1
Laboratory Sample Number		P028	P032	P033	P101	P030	P031
Remarks		Field Blank					
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES/AROCLORS	Quantitation Limit (Aq)						
alpha-BHC	0.05						
beta-BHC	0.05						
delta-BHC	0.05						
gamma-BHC (Lindane)	0.05						
Heptachlor	0.05						
Aldrin	0.05						
Heptachlor Epoxide	0.05						
Endosulfan I	0.05						
Dieldrin	0.1						
4,4'-DDE	0.1						
Endrin	0.1				0.054 J		
Endosulfan II	0.1						
4,4'-DDD	0.1						
Endosulfan Sulfate	0.1						
4,4'-DDT	0.1						
Methoxychlor	0.5				0.056 J		
Endrin Ketone	0.1						
Endrin Aldehyde	0.1						
alpha-Chlordane	0.05						
gamma-Chlordane	0.05				0.017 J		
Toxaphene	5						
Aroclor-1016	1						
Aroclor-1221	2						
Aroclor-1232	1						
Aroclor-1242	1						
Aroclor-1248	1						
Aroclor-1254	1						
Aroclor-1260	1						
Quantitation Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		10/22/92	10/22/92	10/22/92	11/04/92	10/22/92	10/22/92
Date Sample Received by Laboratory		10/23/92	10/23/92	10/23/92	11/05/92	10/23/92	10/23/92
Date Sample Extracted		10/27/92	10/27/92	10/27/92	11/09/92	10/27/92	10/27/92
Date of Sample Analysis		11/16/92	12/01/92	12/01/92	12/10/92	12/01/92	12/01/92

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-HUB	RNS-GW-IS	RNS-GW-II	RNS-IUB	RNS-GW-ILB	RNS-GW-JVF2
Laboratory Sample Number		P029	P001	P002	P003	P009	P051
Remarks							
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Quantitation						
PESTICIDES/AROCLORS	Limit (Ag)						
alpha-BHC	0.05						UJ
beta-BHC	0.05						UJ
delta-BHC	0.05						UJ
gamma-BHC (Lindane)	0.05						UJ
Heptachlor	0.05						UJ
Aldrin	0.05						UJ
Heptachlor Epoxide	0.05						UJ
Endosulfan I	0.05						UJ
Dieldrin	0.1						UJ
4,4'-DDE	0.1			0.064 J	0.089 J		UJ
Endrin	0.1						UJ
Endosulfan II	0.1						UJ
4,4'-DDD	0.1						UJ
Endosulfan Sulfate	0.1						UJ
4,4'-DDT	0.1						UJ
Methoxychlor	0.5						UJ
Endrin Ketone	0.1						UJ
Endrin Aldehyde	0.1						UJ
alpha-Chlordane	0.05						UJ
gamma-Chlordane	0.05						UJ
Toxaphene	5						UJ
Aroclor-1016	1						UJ
Aroclor-1221	2						UJ
Aroclor-1232	1						UJ
Aroclor-1242	1						UJ
Aroclor-1248	1						UJ
Aroclor-1254	1						UJ
Aroclor-1260	1						UJ
Quantitation Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		10/22/92	10/19/92	10/19/92	10/20/92	10/21/92	10/27/92
Date Sample Received by Laboratory		10/23/92	10/21/92	10/21/92	10/21/92	10/22/92	10/28/92
Date Sample Extracted		10/27/92	10/22/92	10/22/92	10/22/92	10/22/92	10/30/92
Date of Sample Analysis		12/01/92	11/15/92	11/15/92	11/15/92	11/15/92	12/05/92

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-JVF3	RNS-GW-JVF4	RNS-GW-JLB	RNS-GW-KVF2	RNS-GW-KVF4	RNS-GW-KLB
Laboratory Sample Number		P052	P053	P048	P016	P017	P007
Remarks							
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES/AROCLORS	Quantitation Limit (Aq)						
alpha-BHC	0.05	UJ	UJ				
beta-BHC	0.05	UJ	UJ				
delta-BHC	0.05	UJ	UJ				
gamma-BHC (Lindane)	0.05	UJ	UJ				
Heptachlor	0.05	UJ	UJ				
Aldrin	0.05	UJ	UJ				
Heptachlor Epoxide	0.05	UJ	UJ				
Endosulfan I	0.05	UJ	UJ				
Dieldrin	0.1	UJ	UJ				
4,4'-DDE	0.1	UJ	UJ				
Endrin	0.1	UJ	UJ				
Endosulfan II	0.1	UJ	UJ				
4,4'-DDD	0.1	UJ	UJ				
Endosulfan Sulfate	0.1	UJ	UJ				
4,4'-DDT	0.1	UJ	UJ				
Methoxychlor	0.5	UJ	UJ				
Endrin Ketone	0.1	UJ	UJ				
Endrin Aldehyde	0.1	UJ	UJ				
alpha-Chlordane	0.05	UJ	UJ				
gamma-Chlordane	0.05	UJ	UJ				
Toxaphene	5	UJ	UJ				
Aroclor-1016	1	UJ	UJ				
Aroclor-1221	2	UJ	UJ				
Aroclor-1232	1	UJ	UJ				
Aroclor-1242	1	UJ	UJ				
Aroclor-1248	1	UJ	UJ				
Aroclor-1254	1	UJ	UJ				
Aroclor-1260	1	UJ	UJ				
Quantitation Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		10/27/92	10/27/92	10/27/92	10/21/92	10/21/92	10/20/92
Date Sample Received by Laboratory		10/28/92	10/28/92	10/28/92	10/22/92	10/22/92	10/21/92
Date Sample Extracted		10/30/92	10/30/92	10/30/92	10/22/92	10/22/92	10/22/92
Date of Sample Analysis		12/05/92	12/05/92	12/01/92	11/16/92	11/16/92	11/16/92

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-KVF5	RNS-GW-LVF1	RNS-GW-LVF2	RNS-GW-LVF3	RNS-GW-LLB
Laboratory Sample Number		P008	P044	P043	P046	P045
Remarks		Duplicate of RNS-GW-KLB			Duplicate of RNS-GW-LVF2	
Units		ug/L	ug/L	ug/L	ug/L	ug/L
	Quantitation					
PESTICIDES/AROCLORS	Limit (Aq)					
alpha-BHC	0.05		UJ	UJ		
beta-BHC	0.05		UJ	UJ		
delta-BHC	0.05		UJ	UJ		
gamma-BHC (Lindane)	0.05		UJ	UJ		
Heptachlor	0.05		UJ	UJ		
Aldrin	0.05		UJ	UJ		
Heptachlor Epoxide	0.05		UJ	UJ		
Endosulfan I	0.05		UJ	UJ		
Dieldrin	0.1		UJ	UJ		
4,4'-DDE	0.1		UJ	UJ		
Endrin	0.1		UJ	UJ		
Endosulfan II	0.1		UJ	UJ		
4,4'-DDD	0.1		UJ	UJ		
Endosulfan Sulfate	0.1		UJ	UJ		
4,4'-DDT	0.1		UJ	UJ		
Methoxychlor	0.5		UJ	UJ		
Endrin Ketone	0.1		UJ	UJ		
Endrin Aldehyde	0.1		UJ	UJ		
alpha-Chlordane	0.05		UJ	UJ		
gamma-Chlordane	0.05		UJ	UJ		
Toxaphene	5		UJ	UJ		
Aroclor-1016	1		UJ	UJ		
Aroclor-1221	2		UJ	UJ		
Aroclor-1232	1		UJ	UJ		
Aroclor-1242	1		UJ	UJ		
Aroclor-1248	1		UJ	UJ		
Aroclor-1254	1		UJ	UJ		
Aroclor-1260	1		UJ	UJ		
Quantitation Limit Multiplier		1	1	1	1	1
Date of Sample Collection		10/20/92	10/26/92	10/26/92	10/26/92	10/26/92
Date Sample Received by Laboratory		10/21/92	10/27/92	10/27/92	10/27/92	10/27/92
Date Sample Extracted		10/22/92	10/30/92	10/30/92	10/30/92	10/30/92
Date of Sample Analysis		11/15/92	12/01/92	12/01/92	12/01/92	12/01/92

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RUETGERS-NEASE CHEMICAL COMPANY, INC.
SALEM, OHIO
ROUND 1 GROUNDWATER RESULTS

Mirex, Photomirex and Kepone

EXTRACTABLE ORGANIC ANALYSIS						
ERM-Midwest Sample Number		RNS-GW-S1	RNS-GW-S2	RNS-GW-S3	RNS-GW-S4	RNS-GW-S6
Laboratory Sample Number		M054	M077	M063	M061	M096
Remarks						
Units		ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting					
	Limit(Aq)					
Kepone	0.132					
Photomirex	0.0474					
Mirex	0.00544					
Reporting Limit Multiplier		1.0	50.0	1.0	1.0	5.0
Date of Sample Collection		10/27/92	11/02/92	10/28/92	10/27/92	11/03/92
Date Sample Received by Laboratory		10/28/92	11/03/92	10/29/92	10/28/92	11/04/92
Date Sample Extracted		10/29/92	11/05/92	11/02/92	11/02/92	11/09/92
Date of Sample Analysis		11/17/92	12/15/92	11/18/92	11/18/92	12/17/92
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S7	RNS-GW-S7-106	RNS-GW-S8	RNS-GW-S8DL	RNS-GW-S9
Laboratory Sample Number		M092	M095	M088	M088D	M042
Remarks			Field Blank		Dilution	
Units		ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)					
Kepone	0.132					
Photomirex	0.0474	UJ		0.018 J		
Mirex	0.00544		0.0180	1.19 J	1.6200	0.0061
Reporting Limit Multiplier		1.0	1.0	1.0	10.0	1.0
Date of Sample Collection		11/03/92	11/03/92	11/03/92	11/03/92	10/26/92
Date Sample Received by Laboratory		11/04/92	11/04/92	11/04/92	11/04/92	10/28/92
Date Sample Extracted		11/05/92	11/05/92	11/05/92	11/05/92	10/29/92
Date of Sample Analysis		12/15/92	12/17/92	12/15/92	12/17/92	11/13/92
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

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EXTRACTABLE ORGANIC ANALYSIS						
ERM-Midwest Sample Number		RNS-GW-S10	RNS-GW-S11	RNS-GW-S12	RNS-GW-S13	RNS-GW-S14
Laboratory Sample Number		M059	M058	M082	M076	M066
Remarks						
Units		ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting					
	Limit(Aq)					
Kepone	0.132					
Photomirex	0.0474					
Mirex	0.00544	0.0330				
Reporting Limit Multiplier		1.0	1.0	125.0	50.0	1.0
Date of Sample Collection		10/27/92	10/27/92	11/02/92	11/02/92	10/28/92
Date Sample Received by Laboratory		10/28/92	10/28/92	11/03/92	11/03/92	10/29/92
Date Sample Extracted		11/02/92	11/02/92	11/05/92	11/05/92	11/02/92
Date of Sample Analysis		11/17/92	11/17/92	12/15/92	12/15/92	11/18/92
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S15	RNS-GW-S16	RNS-GW-S18-105	RNS-GW-S17	RNS-GW-S20
Laboratory Sample Number		M081	M071	M072	M073 (3)	M075
Remarks				Field Blank		Dup GW-S17
Units		ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)					
Kepone	0.132					
Photomirex	0.0474					
Mirex	0.00544					
Reporting Limit Multiplier		1.0	1.0	1.0	1.0	1.0
Date of Sample Collection		11/02/92	10/28/92	10/28/92	11/02/92	11/02/92
Date Sample Received by Laboratory		11/03/92	10/29/92	10/29/92	11/03/92	11/03/92
Date Sample Extracted		11/05/92	11/02/92	11/02/92	11/05/92	11/05/92
Date of Sample Analysis		12/15/92	11/18/92	11/18/92	11/18/92	11/18/92
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

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EXTRACTABLE ORGANIC ANALYSIS						
ERM-Midwest Sample Number		RNS-GW-S18	RNS-GW-S18DL	RNS-GW-S22	RNS-GW-S22DL	RNS-GW-S19
Laboratory Sample Number		M104	M104DL	M105	M105DL	M100
Remarks			Dilution	Dup GW-S18	Dup GW-S18	
Units		ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting				Dilution	
	Limit(Aq)					
Kepone	0.132	5.64 J		R		R
Photomirex	0.0474	0.417 JN	0.075 N	0.230 JN	0.023 N	UJ
Mirex	0.00544	7.23 J	1.62 J	4.63 J	0.535 J	0.0377 U
Reporting Limit Multiplier		1.0	10.0	1.0	10.0	5.0
Date of Sample Collection		11/04/92	11/04/92	11/04/92	11/04/92	11/04/92
Date Sample Received by Laboratory		11/05/92	11/05/92	11/05/92	11/05/92	11/05/92
Date Sample Extracted		11/10/92	11/10/92	11/10/92	11/10/92	11/12/92
Date of Sample Analysis		12/20/92	12/28/92	12/20/92	12/28/92	12/22/92
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

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EXTRACTABLE ORGANIC ANALYSIS						
ERM-Midwest Sample Number		RNS-GW-D1	RNS-GW-D1-104	RNS-GW-D2	RNS-GW-D3	RNS-GW-D18
Laboratory Sample Number		M040	M041	M089	M062 (3)	M064 (3)
Remarks			Field Blank			Dup GW-D3
Units		ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)					
Kepone	0.132					
Photomirex	0.0474					
Mirex	0.00544	0.0424		0.045 U		
Reporting Limit Multiplier		1.0	1.0	1.0	1.0	1.0
Date of Sample Collection		10/26/92	10/26/92	11/03/92	10/28/92	10/28/92
Date Sample Received by Laboratory		10/27/92	10/27/92	11/04/92	10/29/92	10/29/92
Date Sample Extracted		10/29/92	10/29/92	11/05/92	11/02/92	11/02/92
Date of Sample Analysis		11/13/92	11/13/92	12/15/92	11/18/92	11/18/92
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

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EXTRACTABLE ORGANIC ANALYSIS						
ERM-Midwest Sample Number		RNS-GW-D4	RNS-GW-D5	RNS-GW-D6	RNS-GW-D7	RNS-GW-D8
Laboratory Sample Number		M060	M056	M097	M067	M074 (4)
Remarks						
Units		ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting					
	Limit(Aq)					
Kepone	0.132					
Photomirex	0.0474				0.005 J	
Mirex	0.00544		0.0120		0.018 J	
Reporting Limit Multiplier		1.0	1.0	5.0	1.0	5.0
Date of Sample Collection		10/27/92	10/27/92	11/03/92	10/28/92	11/02/92
Date Sample Received by Laboratory		10/28/92	10/28/92	11/05/92	10/29/92	11/03/92
Date Sample Extracted		11/02/92	10/29/92	11/05/92	11/02/92	11/05/92
Date of Sample Analysis		11/17/92	11/17/92	12/17/92	11/19/91	11/18/92
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-D9	RNS-GW-D10	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D12DL
Laboratory Sample Number		M070	M034	M093	M093D	M090D1
Remarks						Dilution
Units		ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)					
Kepone	0.132					
Photomirex	0.0474			0.0870		
Mirex	0.00544	0.0060		0.83 J	0.75 J	239.6 J
Reporting Limit Multiplier		1.0	1.0	1.0	2.0	200.0
Date of Sample Collection		10/28/92	10/22/92	11/03/92	11/03/92	11/03/92
Date Sample Received by Laboratory		10/29/92	10/23/92	11/04/92	11/04/92	11/04/92
Date Sample Extracted		11/02/92	10/27/92	11/05/92	11/05/92	11/05/92
Date of Sample Analysis		11/18/92	11/12/92	12/15/92	12/17/92	12/17/92
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

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EXTRACTABLE ORGANIC ANALYSIS						
ERM-Midwest Sample Number		RNS-GW-D12DL	RNS-GW-S21	RNS-GW-S21DL	RNS-GW-D13	RNS-GW-D14
Laboratory Sample Number		M090D2	M091	M091D	M094	M078
Remarks		Dilution	Dup GW-D12	Dilution		
Units		ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting					
	Limit(Aq)					
Kepone	0.132		0.067 J			
Photomirex	0.0474		0.049 J			
Mirex	0.00544	172.1 J	8.22 J	59.59 J	0.034 U	
Reporting Limit Multiplier		1000.0	1.0	200.0	1.0	1.0
Date of Sample Collection		11/03/92	11/03/92	11/03/92	11/03/92	11/02/92
Date Sample Received by Laboratory		11/04/92	11/04/92	11/04/92	11/04/92	11/03/92
Date Sample Extracted		11/05/92	11/05/92	11/05/92	11/05/92	11/05/92
Date of Sample Analysis		12/17/92	12/15/92	12/17/92	12/17/92	12/15/92
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-D19	RNS-GW-D15	RNS-GW-D16	RNS-GW-D17	RNS-GW-T1
Laboratory Sample Number		M079	M086	M013	M083	M098
Remarks		Dup GW-D14				
Units		ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)					
Kepone	0.132					UJ
Photomirex	0.0474					0.0437 J
Mirex	0.00544			0.006 J		0.618 J
Reporting Limit Multiplier		1.0	1.0	1.0	5.0	5.0
Date of Sample Collection		11/02/92	11/03/92	10/21/92	11/03/92	11/04/92
Date Sample Received by Laboratory		11/03/92	11/04/92	10/22/92	11/04/92	11/05/92
Date Sample Extracted		11/05/92	11/05/92	10/23/92	11/05/92	11/09/92
Date of Sample Analysis		12/15/92	12/15/92	11/06/92	12/15/92	12/18/92
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

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EXTRACTABLE ORGANIC ANALYSIS						
ERM-Midwest Sample Number		RNS-GW-T1DL	RNS-GW-T2	RNS-GW-T2DL	RNS-GW-RW1	RNS-GW-RW1DL
Laboratory Sample Number		M098DL	M099	M099DL	M106	M106DL
Remarks			Dilution	Dilution		Dilution
Units		ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)					
Kepone	0.132	R	0.753 R		9.96 J	
Photomirex	0.0474		1.99 J	2.11 J	2.38 JN	0.856 N
Mirex	0.00544	0.9280	7.57 J	16.4000	10.5 J	24.7000
Reporting Limit Multiplier		10.0	1.0	100.0	1.0	100.0
Date of Sample Collection		11/04/92	11/04/92	11/04/92	11/04/92	11/04/92
Date Sample Received by Laboratory		11/05/92	11/05/92	11/05/92	11/05/92	11/05/92
Date Sample Extracted		11/09/92	11/09/92	11/09/92	11/10/92	11/10/92
Date of Sample Analysis		12/22/92	12/18/92	12/18/92	12/20/92	12/28/92
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-RW1-107	RNS-GW-AS	RNS-GW-AUB	RNS-GW-AVF1	RNS-GW-BS
Laboratory Sample Number		M106	M037	M036	M038	M039
Remarks		Field Blank			W12	
Units		ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)					
Kepone	0.132	R				
Photomirex	0.0474					
Mirex	0.00544	0.0120		0.0220 J		0.00227 J
Reporting Limit Multiplier		1.0	1.0	1.0	1.0	1.0
Date of Sample Collection		11/04/92	10/26/92	10/26/92	10/26/92	10/26/92
Date Sample Received by Laboratory		11/05/92	10/27/92	10/27/92	10/27/92	10/27/92
Date Sample Extracted		11/10/92	10/29/92	10/29/92	10/29/92	10/29/92
Date of Sample Analysis		12/20/92	11/12/92	11/12/92	11/13/92	11/13/92
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

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EXTRACTABLE ORGANIC ANALYSIS						
ERM-Midwest Sample Number		RNS-GW-CS	RNS-GW-CUB	RNS-GW-CLB	RNS-GW-DVF2	RNS-GW-DVF3
Laboratory Sample Number		M005	M006	M021	M020	M019
Remarks						
Units		ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting					
	Limit(Aq)					
Kepone	0.132					
Photomirex	0.0474					
Mirex	0.00544	0.003 J	0.007 J	0.0120	0.003 J	0.004 J
Reporting Limit Multiplier		1.0	1.0	1.0	1.0	1.0
Date of Sample Collection		10/19/92	10/19/92	10/20/92	10/21/92	10/21/92
Date Sample Received by Laboratory		10/21/92	10/21/92	10/22/92	10/22/92	10/22/92
Date Sample Extracted		10/23/92	10/23/92	10/23/92	10/23/92	10/23/92
Date of Sample Analysis		11/04/92	11/05/92	11/06/92	11/06/92	11/06/92
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-DLB	RNS-GW-EVF1	RNS-GW-EVF2	RNS-GW-EVF3	RNS-GW-EVF4
Laboratory Sample Number		M018	M010	M011	M012	M022
Remarks						
Units		ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)					
Kepone	0.132					
Photomirex	0.0474					
Mirex	0.00544		0.0130		0.003 J	
Reporting Limit Multiplier		1.0	1.0	1.0	1.0	1.0
Date of Sample Collection		10/21/92	10/21/92	10/21/92	10/21/92	10/22/92
Date Sample Received by Laboratory		10/22/92	10/22/92	10/21/92	10/22/92	10/23/92
Date Sample Extracted		10/23/92	10/23/92	10/23/92	10/23/92	10/27/92
Date of Sample Analysis		11/06/92	11/05/92	11/05/92	11/06/92	11/11/92
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

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EXTRACTABLE ORGANIC ANALYSIS						
ERM-Midwest Sample Number		RNS-GW-EVF5	RNS-GW-FVF3	RNS-GW-FVF4	RNS-GW-FVF4-103	RNS-GW-FVF6
Laboratory Sample Number		M014	M027	M026	M028	M032
Remarks		Dup GW-EVF3			Field Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting					
	Limit(Aq)					
Kepone	0.132	UJ				
Photomirex	0.0474	UJ				
Mirex	0.00544	UJ				
Reporting Limit Multiplier		1.0	1.0	1.0	1.0	1.0
Date of Sample Collection		10/21/92	10/22/92	10/22/92	10/22/92	10/22/92
Date Sample Received by Laboratory		10/22/92	10/23/92	10/23/92	10/23/92	10/23/92
Date Sample Extracted		10/23/92	10/27/92	10/27/92	10/27/92	10/27/92
Date of Sample Analysis		11/06/92	11/12/92	11/12/92	11/11/92	11/12/92
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

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EXTRACTABLE ORGANIC ANALYSIS						
ERM-Midwest Sample Number		RNS-GW-FLB	RNS-GW-GUB	RNS-GW-HS	RNS-GW-HUB	RNS-GW-HVF1
Laboratory Sample Number		M033	M101	M030	M029	M031
Remarks						
Units		ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting					
	Limit(Aq)					
Kepone	0.132		R			
Photomirex	0.0474					
Mirex	0.00544	0.0593		0.00279 J		
Reporting Limit Multiplier		1.0	5.0	1.0	1.0	1.0
Date of Sample Collection		10/22/92	11/04/92	10/22/92	10/22/92	10/22/92
Date Sample Received by Laboratory		10/23/92	11/05/92	10/23/92	10/23/92	10/23/92
Date Sample Extracted		10/27/92	11/09/92	10/27/92	10/27/92	10/27/92
Date of Sample Analysis		11/12/92	12/22/92	11/12/92	11/12/92	11/12/92
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

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EXTRACTABLE ORGANIC ANALYSIS						
ERM-Midwest Sample Number		RNS-GW-IS	RNS-GW-II	RNS-IUB	RNS-GW-ILB	RNS-GW-JVF2
Laboratory Sample Number		M001	M002	M003	M009	M051
Remarks						
Units		ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting					
	Limit(Aq)					
Kepone	0.132					
Photomirex	0.0474					
Mirex	0.00544				0.0140	0.00705
Reporting Limit Multiplier		1.0	1.0	1.0	1.0	1.0
Date of Sample Collection		10/19/92	10/19/92	10/20/92	10/21/92	10/27/92
Date Sample Received by Laboratory		10/21/92	10/21/92	10/21/92	10/23/92	10/28/92
Date Sample Extracted		10/23/92	10/23/92	10/23/92	10/23/92	10/29/92
Date of Sample Analysis		11/05/92	11/05/92	11/05/92	11/05/92	11/17/92
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-JVF3	RNS-GW-JVF4	RNS-GW-JLB	RNS-GW-KVF2	RNS-GW-KVF4
Laboratory Sample Number		M052	M053	M048	M016	M017
Remarks						
Units		ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)					
Kepone	0.132					
Photomirex	0.0474					
Mirex	0.00544				0.003 J	
Reporting Limit Multiplier		1.0	1.0	1.0	1.0	1.0
Date of Sample Collection		10/27/92	10/27/92	10/27/92	10/21/92	10/21/92
Date Sample Received by Laboratory		10/28/92	10/28/92	10/28/92	10/22/92	10/21/92
Date Sample Extracted		10/29/92	10/29/92	10/29/92	10/23/92	10/23/92
Date of Sample Analysis		11/17/92	11/17/92	11/13/92	11/06/92	11/06/92
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

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EXTRACTABLE ORGANIC ANALYSIS						
ERM-Midwest Sample Number		RNS-GW-KLB	RNS-GW-KVF5	RNS-GW-LVF1	RNS-GW-LVF2	RNS-GW-LVF3
Laboratory Sample Number		M007	M008	M044	M043	M046
Remarks			Dup GW-KLB			Dup GW-LVF2
Units		ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting					
	Limit(Aq)					
Kepone	0.132					
Photomirex	0.0474					
Mirex	0.00544					
Reporting Limit Multiplier		1.0	1.0	1.0	1.0	1.0
Date of Sample Collection		10/20/92	10/20/92	10/26/92	10/26/92	10/26/92
Date Sample Received by Laboratory		10/21/92	10/21/92	10/27/92	10/27/92	10/27/92
Date Sample Extracted		10/23/92	10/23/92	10/29/92	10/29/92	10/29/92
Date of Sample Analysis		11/05/92	11/05/92	11/13/92	11/13/92	11/13/92
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

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EXTRACTABLE ORGANIC ANALYSIS		
ERM-Midwest Sample Number		RNS-GW-LLB
Laboratory Sample Number		M045
Remarks		
Units		ug/L
	Reporting	
	Limit(Aq)	
Kepone	0.132	
Photomirex	0.0474	
Mirex	0.00544	0.0217
Reporting Limit Multiplier		1.0
Date of Sample Collection		10/26/92
Date Sample Received by Laboratory		10/27/92
Date Sample Extracted		10/29/92
Date of Sample Analysis		11/13/92
Instrument Used for Analysis		MS-4000

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RUETGERS-NEASE CHEMICAL COMPANY, INC.
SALEM, OHIO
ROUND 1 GROUNDWATER RESULTS

Dioxins/Furans

DIOXIN AND FURAN ANALYTICAL RESULTS					
ERM-Midwest Sample Number	RNS-GW-S12	RNS-GW-S6	RNS-GW-T2	RNS-GW-S18	RNS-GW-S22
Laboratory Sample Number	32085	32086	32087	32088	32089
Remarks					Dup GW-S18
Units	pg/L	pg/L	pg/L	pg/L	pg/L
DIOXINS AND FURANS					
Total TCDD	16.3 J	ND(10.8 cdl) R	ND(10.6 cdl) R	ND(10.6 cdl) R	42.8 J
2,3,7,8-TCDD	ND(10.4 cdl) R	ND(10.8 cdl) R	ND(10.6 cdl) R	ND(10.6 cdl) R	16.7 (mpc) J
Total PeCDDS	65.1 J	ND(54.0 cdl) R	ND(53.0 cdl) R	138 J	257 J
1,2,3,7,8-PeCDD	ND(51.9 cdl) R	ND(54.0 cdl) R	ND(53.0 cdl) R	ND(52.9 cdl) R	ND(51.3 cdl) R
Total HxCDDs	139 J	60.3 J	ND(53.0 cdl) R	187 J	ND(51.3 cdl) R
1,2,3,4,7,8-HxCDD	ND(52.6 cdl) R	ND(54.0 cdl) R	ND(53.1 cdl) R	ND(52.9 cdl) R	ND(51.3 cdl) R
1,2,3,6,7,8-HxCDD	ND(51.8 cdl) R	ND(54.0 cdl) R	ND(53.0 cdl) R	ND(52.9 cdl) R	ND(51.3 cdl) R
1,2,3,7,8,9-HxCDD	ND(52.5 cdl) R	ND(54.0 cdl) R	ND(53.1 cdl) R	ND(52.9 cdl) R	ND(51.3 cdl) R
Total HpCDDs	180 J	145 J	256 J	348 J	334 J
1,2,3,4,6,7,8-HpCDD	98.9 J	81.4 J	137 J	184 J	163 J
OCDD	195 J	ND(108 cdl) R	445 J	426 J	532 J
Total TCDFs	216 J	144 J	2310 J	1660 J	1930 J
2,3,7,8-TCDF	22 J	16.4 (mpc) J	205 J	114 J	167 J
Total PeCDFs	1010 J	771 J	1460 J	2150 J	2430 J
1,2,3,7,8-PeCDF	81.5 J	64.1 J	ND(52.9 cdl) R	98 J	90 J
2,3,4,7,8-PeCDF	89.9 J	65.9 J	272 J	175 J	189 J
Total HxCDFs	1060 J	823 J	1250 J	1290 J	1040 J
1,2,3,4,7,8-HxCDF	213 J	151 J	271 J	283 J	246 J
1,2,3,6,7,8-HxDCF	145 J	114 J	158 J	160 J	119 J
2,3,4,6,7,8-HxCDF	91.7 J	73.5 J	111 J	119 J	93.5 J
1,2,3,7,8,9-HxCDF	ND(51.8 cdl) R	ND(54.1 cdl) R	ND(53.0 cdl) R	ND(52.9 cdl) R	ND(51.3 cdl) R
Total HpCDFs	854 J	572 J	843 J	1390 J	1100 J
1,2,3,4,6,7,8-HpCDF	526 J	321 J	464 J	475 J	293 J
1,2,3,4,7,8,9-HpCDF	79.1 J	60.5 J	111 J	112 J	100 J
OCDF	486 J	158 J	386 J	407 J	412 J
Date Sample Collected	Nov-2-1992	Nov-3-1992	Nov-4-1992	Nov-4-1992	Nov-4-1992
Date Sample Received by Laboratory	Nov-3-1992	Nov-5-1992	Nov-5-1992	Nov-5-1992	Nov-5-1992
Date Sample Extracted	Jan-19-1993	Jan-19-1993	Jan-19-1993	Jan-19-1993	Jan-19-1993
Date Sample Analyzed	Jan-30-1993	Jan-30-1993	Jan-30-1993	Jan-30-1993	Jan-30-1993

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RUETGERS-NEASE CHEMICAL COMPANY, INC.
SALEM, OHIO
ROUND 1 GROUNDWATER RESULTS

Inorganics

INORGANIC - ANALYTICAL RESULTS							
ERM-MW Sample Number			RNS-GW-S6	RNS-GW-S12	RNS-GW-T2	RNS-GW-S22	RNS-GW-S18
Laboratory Sample Number			002	001	003	005	004
Remarks						Dup GW-S18	
Units			ug/L	ug/L	ug/L	ug/L	ug/L
INORGANIC ELEMENTS		Detection Limit					
Aluminum	P	19.3	476.6	754230	(5 X)	349630	406070
Antimony	F	2.3		5.9			
Arsenic	F	1.6	58.0	58.0	(10 X)	18.0	17.0
Barium	P	1.1	103.1	182.5 J	83.45	27.75 U	30.5 U
Beryllium	P	0.6	(5 X)	78.0 J	(5 X)	22.3	25.15 J
Cadmium	P	1.7	(5 X)	123 J	(5 X)	15.55	15.6 J
Calcium	P	3.7	221950	529690	317500	749570	775810
Chromium	P	2.9	(5 X)	171.2 J	441 U	88.65 U	106.35 J
Cobalt	P	2.7	(5 X)	994.4	318 U	556.45	660.7
Copper	P	2.2	21.25 U	2141.4	12.0 U	710.65 J	993.9 J
Iron	P	5.7	198820	716630	17854	399380 J	514440 J
Lead	F	0.9	1.6 U	756 J	UJ	5.1 U	12.7 J
Magnesium	P	37.2	39201	313990	93234	197990	228450
Manganese	P	1.1	3201	95073	513.8	86160	101960
Mercury	CV	0.2	0.26	0.70		1.56	1.34
Nickel	P	5.0	94.4 U	2265.1 J	49.8 U	1003.9 J	1093.6 J
Potassium	P	339.2	(5 x) R	16716 J	3755.8 J	15023 J	17033 J
Selenium	F	1.5					
Silver	P	3.1	(5 X) UJ	43.45 U	19.25 U	40.6 U	40.3 U
Sodium	P	14.7	143130	1736700	131550	391050	464610
Thallium	F	2.6	(10 X)	(10 X)	(10 X)	(10 X)	(10 X)
Vanadium	P	2.8	(5 X)	118.2 J	14.95 U	552.1	635.85
Zinc	P	2.3	584.1	12598	594.8	2891.8	3351.7
Cyanide	A	10	UJ	UJ	UJ	15 J	23 J

ANALYTICAL METHOD:
P - Inductively Coupled Plasma
F - Graphite Furnace Atomic Absorption
CV - Cold Vapor Atomic Absorption
A - Auto Analyzer

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APPENDIX K

(ROUND 2)
LABORATORY ANALYTICAL RESULTS

APPENDIX K

ROUND 2 GROUNDWATER

- Volatile Compounds
- Volatile Tentatively Identified Compounds
- Semivolatile Compounds
- Semivolatile Tentatively Identified Compounds
- Pesticides/PCBs
- Mirex, Photomirex and Kepone
- Dioxins/Furans
- Inorganics

LEGEND:

-	Compound was not detected.
J	Quantitation is approximate due to limitations identified during the quality control review (data validation).
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."
R	Unreliable result - analyte may or may not be present in this sample.
UL	This analyte was not detected, but the quantitation limit is higher due to a low bias identified during the quality assurance review.
U	This compound should be considered "not detected" since it was detected in a blank at a similar level.
S	Matrix spike compound.
NA	Not analyzed.
B	This result is qualitatively suspect since this compound was detected in field and/or laboratory blanks at similar levels.
NR	Not received in time to be included in this submittal.
blank	The compound/constituent was analyzed for, but was not detected at a concentration at/or above the quantitation limit/detection limit.

* The presence of this compound is indicated; however, the exact concentration cannot be calculated.

** This result for this compound is being reported from a dilution analysis.

RUETGERS-NEASE CHEMICAL COMPANY, INC.
SALEM, OHIO
ROUND 2 GROUNDWATER RESULTS

Volatile Compounds

VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-	GW-S1R	GW-S2	GW-S3R	GW-S4R	GW-S5R
Laboratory Sample Number		V406	V277	V407	V409	V412
Remarks						
Units		ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)					
Chloromethane	10	10 U		10 U	10 U	10 U
Bromomethane	10				UJ	UJ
Vinyl Chloride	10					
Chloroethane	10	UJ		UJ	UJ	UJ
Methylene Chloride	10	UJ		UJ	UJ	UJ
Acetone	10	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	10					
1,1-Dichloroethene	10					
1,1-Dichloroethane	10					
Total 1,2-Dichloroethene	10	2 J	7 J			
Chloroform	10					
1,2-Dichloroethane	10					
2-Butanone	10	UJ	UJ	UJ	UJ	UJ
1,1,1-Trichloroethane	10					
Carbon Tetrachloride	10					
Bromodichloromethane	10		UJ			
1,1,2,2-Tetrachloroethane	10					
1,2-Dichloropropane	10					
trans-1,3-Dichloropropene	10					
Trichloroethene	10	4 J				
Dibromochloromethane	10					
1,1,2-Trichloroethane	10					
Benzene	10					
cis-1,3-Dichloropropene	10					
Bromoform	10					
2-Hexanone	10	UJ	UJ	UJ	UJ	UJ
4-Methyl-2-Pentanone	10		UJ			
Tetrachlorethene	10					
Toluene	10					
Chlorobenzene	10					
Ethylbenzene	10					
Styrene	10					
Total Xylenes	10					
Quantitation Limit Multiplier		1	1	1	1	1
Date of Sample Collection		03/23/93	02/22/93	03/23/93	03/23/93	03/23/93
Date Sample Received by Laboratory		03/24/93	02/23/93	03/24/93	03/24/93	03/24/93
Date of Sample Analysis		03/24/93	03/03/93	03/24/93	03/25/93	03/25/93
Instrument Used for Analysis		MS-5100	MS-5100	MS-5100	MS-5100	MS-5100

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-	GW-S6	GW-S6-11	GW-S7	GW-S8	GW-S9R
Laboratory Sample Number		V295	V297	V283	V291	V402
Remarks			Field Blank			
Units		ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)					
Chloromethane	10		15		50 U	12 U
Bromomethane	10					
Vinyl Chloride	10			2 J	92	
Chloroethane	10					UJ
Methylene Chloride	10					UJ
Acetone	10	2000 U	3 J	10 U		10 U
Carbon Disulfide	10					
1,1-Dichloroethene	10					
1,1-Dichloroethane	10					
Total 1,2-Dichloroethene	10	19000		95	110	4 J
Chloroform	10	1200 J				
1,2-Dichloroethane	10			2 J	660	
2-Butanone	10		UJ			UJ
1,1,1-Trichloroethane	10					
Carbon Tetrachloride	10					
Bromodichloromethane	10		UJ	UJ	UJ	
1,1,2,2-Tetrachloroethane	10	2700		10 U		
1,2-Dichloropropane	10					
trans-1,3-Dichloropropene	10					
Trichloroethene	10	7900		56	50 U	6 J
Dibromochloromethane	10					
1,1,2-Trichloroethane	10					
Benzene	10	6800		1 J	360	3 J
cis-1,3-Dichloropropene	10					
Bromoform	10	UJ				
2-Hexanone	10		UJ	UJ	UJ	UJ
4-Methyl-2-Pentanone	10		UJ			
Tetrachlorethene	10	12000		10 U		
Toluene	10	2000				
Chlorobenzene	10	2000		3 J	13 J	
Ethylbenzene	10	1200 J				
Styrene	10					
Total Xylenes	10					
Quantitation Limit Multiplier		200	1	1	5	1
Date of Sample Collection		02/24/93	02/24/93	02/23/93	02/23/93	03/22/93
Date Sample Received by Laboratory		02/25/93	02/25/93	02/24/93	02/24/93	03/23/93
Date of Sample Analysis		03/08/93	03/03/93	03/05/93	03/05/93	03/24/93
Instrument Used for Analysis		MS-5100	MS-5100	MS-5100	MS-5100	MS-5100

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-	GW-S10R	GW-S11R	GW-S12	GW-S21	GW-S13
Laboratory Sample Number		V403	V404	V288	V289	V278
Remarks					Dup GW-S12	
Units		ug/L	ug/L	ug/L	ug/L	µg/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)					
Chloromethane	10	10 U	10 U			
Bromomethane	10					
Vinyl Chloride	10					
Chloroethane	10	UJ	UJ			
Methylene Chloride	10	UJ	UJ	2500 U	2500 U	10 U
Acetone	10	UJ	10 U	2500 U	2500 U	
Carbon Disulfide	10					
1,1-Dichloroethene	10					
1,1-Dichloroethane	10					
Total 1,2-Dichloroethene	10		20	790 J	790 J	45
Chloroform	10			540 J	530 J	2 J
1,2-Dichloroethane	10		1 J	17000	17000	64
2-Butanone	10	UJ	UJ			
1,1,1-Trichloroethane	10					
Carbon Tetrachloride	10					
Bromodichloromethane	10					
1,1,2,2-Tetrachloroethane	10			22000	23000	60
1,2-Dichloropropane	10					
trans-1,3-Dichloropropene	10					
Trichloroethene	10			4500	4900	240J
Dibromochloromethane	10					
1,1,2-Trichloroethane	10					3J
Benzene	10		4 J	22000	25000	61
cis-1,3-Dichloropropene	10					
Bromoform	10			UJ	UJ	
2-Hexanone	10	UJ	UJ			
4-Methyl-2-Pentanone	10					
Tetrachlorethene	10			5600	5700	10U
Toluene	10			1900 J	2000 J	
Chlorobenzene	10		3 J	550 J	570 J	2 J
Ethylbenzene	10					
Styrene	10					
Total Xylenes	10					
Quantitation Limit Multiplier		1	1	250	250	1
Date of Sample Collection		03/22/93	03/22/93	02/23/93	02/23/93	02/22/93
Date Sample Received by Laboratory		03/23/93	03/23/93	02/24/93	02/24/93	02/23/93
Date of Sample Analysis		03/24/93	03/24/93	03/08/93	03/08/93	03/04/93
Instrument Used for Analysis		MS-5100	MS-5100	MS-5100	MS-5100	MS-5100

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-	GW-S13DL	GW-S14R	GW-S15	GW-S16R	GW-S17
Laboratory Sample Number		V278	V415	V279	V420	V272
Remarks		Dilution				
Units		ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)					
Chloromethane	10		10 U		10 U	
Bromomethane	10					
Vinyl Chloride	10				150	9 J
Chloroethane	10					
Methylene Chloride	10	250 U	UJ		UJ	10 U
Acetone	10		10 U	10 U	10 U	UJ
Carbon Disulfide	10					
1,1-Dichloroethene	10					
1,1-Dichloroethane	10					
Total 1,2-Dichloroethene	10	460			57	130
Chloroform	10					
1,2-Dichloroethane	10	610	UJ		14 J	2 J
2-Butanone	10			UJ		UJ
1,1,1-Trichloroethane	10					
Carbon Tetrachloride	10					
Bromodichloromethane	10			UJ		
1,1,2,2-Tetrachloroethane	10	600	UJ		UJ	
1,2-Dichloropropane	10					
trans-1,3-Dichloropropene	10					
Trichloroethene	10	2300				
Dibromochloromethane	10					
1,1,2-Trichloroethane	10					
Benzene	10	620				7 J
cis-1,3-Dichloropropene	10					
Bromoform	10					
2-Hexanone	10		UJ	UJ	UJ	UJ
4-Methyl-2-Pentanone	10		UJ	UJ	UJ	UJ
Tetrachlorethene	10	250 U				
Toluene	10					
Chlorobenzene	10					1 J
Ethylbenzene	10					
Styrene	10					
Total Xylenes	10					
Quantitation Limit Multiplier		25	1	1	1	1
Date of Sample Collection		02/22/93	03/23/93	02/22/93	03/23/93	02/22/93
Date Sample Received by Laboratory		02/23/93	03/24/93	02/23/93	03/24/93	02/23/93
Date of Sample Analysis		03/04/93	03/29/93	03/03/93	03/29/93	03/03/93
Instrument Used for Analysis		MS-5100	MS-5100	MS-5100	MS-5100	MS-5100

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-	GW-S20	GW-S18	GW-D1R	GW-D1-110R	GW-D2
Laboratory Sample Number		V273	V294	V400	V401	V290
Remarks		Dup GW-S17			Field Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)					
Chloromethane	10			12 U	6 J	10 U
Bromomethane	10					
Vinyl Chloride	10	11				
Chloroethane	10			UJ	UJ	
Methylene Chloride	10			UJ	UJ	
Acetone	10	UJ		10 U	2 J	
Carbon Disulfide	10					
1,1-Dichloroethene	10					
1,1-Dichloroethane	10					
Total 1,2-Dichloroethene	10	140				16
Chloroform	10		720 J			
1,2-Dichloroethane	10	2 J	18000			
2-Butanone	10	UJ		UJ	UJ	
1,1,1-Trichloroethane	10					
Carbon Tetrachloride	10					
Bromodichloromethane	10					UJ
1,1,2,2-Tetrachloroethane	10		60000			9 J
1,2-Dichloropropane	10					
trans-1,3-Dichloropropene	10					
Trichloroethene	10		20000			77
Dibromochloromethane	10					
1,1,2-Trichloroethane	10					
Benzene	10	6 J	45000			15
cis-1,3-Dichloropropene	10		UJ			
Bromoform	10					
2-Hexanone	10	UJ		UJ	UJ	UJ
4-Methyl-2-Pentanone	10	UJ				
Tetrachlorethene	10		32000			210 J
Toluene	10		7500			
Chlorobenzene	10	1 J	4700 J			3 J
Ethylbenzene	10					
Styrene	10					
Total Xylenes	10		5000 U			
Quantitation Limit Multiplier		1	500	1	1	1
Date of Sample Collection		02/22/93	02/24/93	03/22/93	03/22/93	02/23/93
Date Sample Received by Laboratory		02/23/93	02/25/93	03/23/93	03/23/93	02/24/93
Date of Sample Analysis		03/03/93	03/09/93	03/24/93	03/24/93	03/05/93
Instrument Used for Analysis		MS-5100	MS-5100	MS-5100	MS-5100	MS-5100

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-	GW-D2DL	GW-D3R	GW-D4R	GW-D5R	GW-D18R
Laboratory Sample Number		V290	V408	V410	V413	V414
Remarks		Dilution				Dup GW-D5R
Units		ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)					
Chloromethane	10		10 U	10 U	10 U	10 U
Bromomethane	10		UJ	UJ	UJ	UJ
Vinyl Chloride	10		3 J			
Chloroethane	10		UJ	UJ	UJ	UJ
Methylene Chloride	10	42 J	UJ	UJ	UJ	UJ
Acetone	10		10 U	10 U	10 U	10 U
Carbon Disulfide	10					
1,1-Dichloroethene	10		2 J			
1,1-Dichloroethane	10					
Total 1,2-Dichloroethene	10	7 J	240			
Chloroform	10					
1,2-Dichloroethane	10		80			
2-Butanone	10		UJ	UJ	UJ	UJ
1,1,1-Trichloroethane	10					
Carbon Tetrachloride	10					
Bromodichloromethane	10	UJ				
1,1,2,2-Tetrachloroethane	10	8 J				
1,2-Dichloropropane	10					
trans-1,3-Dichloropropene	10					
Trichloroethene	10	73	91			
Dibromochloromethane	10					
1,1,2-Trichloroethane	10					
Benzene	10	15 J	120			
cis-1,3-Dichloropropene	10					
Bromoform	10					
2-Hexanone	10	UJ	UJ	UJ	UJ	UJ
4-Methyl-2-Pentanone	10	7 J				
Tetrachlorethene	10	190	4 J		1 J	
Toluene	10		7 J			
Chlorobenzene	10					
Ethylbenzene	10					
Styrene	10					
Total Xylenes	10					
Quantitation Limit Multiplier		5	1	1	1	1
Date of Sample Collection		02/23/93	03/23/93	03/23/93	03/23/93	03/23/93
Date Sample Received by Laboratory		02/24/93	03/24/93	03/24/93	03/24/93	03/24/93
Date of Sample Analysis		03/05/93	03/25/93	03/25/93	03/25/93	03/25/93
Instrument Used for Analysis		MS-5100	MS-5100	MS-5100	MS-5100	MS-5100

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-	GW-D5-219R	GW-D6	GW-D7R	GW-D7RD	GW-D7-220
Laboratory Sample Number		V411	V296	V416	V416	V271
Remarks		Trip Blank			Dilution	Trip Blank
Units		ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)					
Chloromethane	10					12
Bromomethane	10	UJ		UJ		
Vinyl Chloride	10		150 J	42	28 J	
Chloroethane	10	UJ		UJ	UJ	
Methylene Chloride	10	UJ	500 U	UJ		
Acetone	10	2 J		10 U	200 U	2 J
Carbon Disulfide	10					
1,1-Dichloroethene	10			4 J		
1,1-Dichloroethane	10					
Total 1,2-Dichloroethene	10		2700	1600 J	1100	
Chloroform	10		200 J			
1,2-Dichloroethane	10		1800	22	23 J	
2-Butanone	10	UJ		UJ	UJ	
1,1,1-Trichloroethane	10					
Carbon Tetrachloride	10					
Bromodichloromethane	10					
1,1,2,2-Tetrachloroethane	10		500 U			
1,2-Dichloropropane	10					
trans-1,3-Dichloropropene	10					
Trichloroethene	10		6100	130	100 J	
Dibromochloromethane	10					
1,1,2-Trichloroethane	10					
Benzene	10		1200	8 J		
cis-1,3-Dichloropropene	10					
Bromoform	10		UJ			
2-Hexanone	10	UJ		UJ	UJ	
4-Methyl-2-Pentanone	10					
Tetrachlorethene	10		500 U	43	36 J	
Toluene	10			1 J		
Chlorobenzene	10		220 J	6 J		
Ethylbenzene	10					
Styrene	10					
Total Xylenes	10					
Quantitation Limit Multiplier		1	50	1	20	1
Date of Sample Collection		03/23/93	02/24/93	03/23/93	03/23/93	02/17/93
Date Sample Received by Laboratory		03/24/93	02/25/93	03/24/93	03/24/93	02/18/93
Date of Sample Analysis		03/25/93	03/08/93	03/25/93	03/26/93	03/02/93
Instrument Used for Analysis		MS-5100	MS-5100	MS-5100	MS-5100	MS-5100

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-	GW-D8	GW-D8DL	GW-D9R	GW-D10R	GW-D11
Laboratory Sample Number		V274	V274	V419	V378	V284
Remarks			Dilution			
Units		ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)					
Chloromethane	10			10 U	10 U	
Bromomethane	10					
Vinyl Chloride	10	53	490 J			
Chloroethane	10					
Methylene Chloride	10	10 U		UJ	UJ	
Acetone	10		500 U	10 U	10 U	
Carbon Disulfide	10					
1,1-Dichloroethene	10	1 J				
1,1-Dichloroethane	10					
Total 1,2-Dichloroethene	10	610 J	5800			1000
Chloroform	10					
1,2-Dichloroethane	10	14	130 J	UJ		
2-Butanone	10				UJ	
1,1,1-Trichloroethane	10					
Carbon Tetrachloride	10					
Bromodichloromethane	10					UJ
1,1,2,2-Tetrachloroethane	10			UJ		5100
1,2-Dichloropropane	10					
trans-1,3-Dichloropropene	10					
Trichloroethene	10	3 J				5800
Dibromochloromethane	10					
1,1,2-Trichloroethane	10					
Benzene	10	26	270 J			1600
cis-1,3-Dichloropropene	10					
Bromoform	10					
2-Hexanone	10			UJ	UJ	UJ
4-Methyl-2-Pentanone	10			UJ		
Tetrachlorethene	10	2 J				17000
Toluene	10	1 J				200 J
Chlorobenzene	10	4 J				
Ethylbenzene	10					
Styrene	10					
Total Xylenes	10					
Quantitation Limit Multiplier		1	50	1	1	100
Date of Sample Collection		02/22/93	02/22/93	03/23/93	03/17/93	02/23/93
Date Sample Received by Laboratory		02/23/93	02/23/93	03/24/93	03/18/93	02/24/93
Date of Sample Analysis		03/04/93	03/04/93	03/29/93	03/22/93	03/05/93
Instrument Used for Analysis		MS-5100	MS-5100	MS-5100	MS-5100	MS-5100

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-	GW-D11-222	GW-D12	GW-D13	GW-D14	GW-D19
Laboratory Sample Number		V286	V287	V285	V280	V281
Remarks		Trip Blank				Dup GW-D14
Units		ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)					
Chloromethane	10					
Bromomethane	10					
Vinyl Chloride	10					
Chloroethane	10					
Methylene Chloride	10		3500 U			
Acetone	10	UJ	2500 U	UJ		10 U
Carbon Disulfide	10					
1,1-Dichloroethene	10					
1,1-Dichloroethane	10					
Total 1,2-Dichloroethene	10		1700 J			
Chloroform	10					
1,2-Dichloroethane	10					
2-Butanone	10	UJ		UJ		UJ
1,1,1-Trichloroethane	10					
Carbon Tetrachloride	10					
Bromodichloromethane	10	UJ		UJ		UJ
1,1,2,2-Tetrachloroethane	10		11000			
1,2-Dichloropropane	10					
trans-1,3-Dichloropropene	10					
Trichloroethene	10		8500			
Dibromochloromethane	10					
1,1,2-Trichloroethane	10					
Benzene	10	UJ	1300 J			
cis-1,3-Dichloropropene	10					
Bromoform	10		UJ			
2-Hexanone	10	UJ		UJ		UJ
4-Methyl-2-Pentanone	10	UJ		UJ		UJ
Tetrachlorethene	10		38000			
Toluene	10	UJ	780 J			
Chlorobenzene	10	UJ	570 J			
Ethylbenzene	10	UJ				
Styrene	10	UJ				
Total Xylenes	10	UJ				
Quantitation Limit Multiplier		1	250	1	1	1
Date of Sample Collection		02/23/93	02/23/93	02/23/93	02/22/93	02/22/93
Date Sample Received by Laboratory		02/24/93	02/24/93	02/24/93	02/23/93	02/23/93
Date of Sample Analysis		03/03/93	03/08/93	03/03/93	03/04/93	03/03/93
Instrument Used for Analysis		MS-5100	MS-5100	MS-5100	MS-5100	MS-5100

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-	GW-D14-221	GW-D15	GW-D15DL	GW-D16R	GW-D17
Laboratory Sample Number		V282	V276	V276	V363	V275
Remarks		Trip Blank		Dilution		
Units		ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)					
Chloromethane	10				27 U	
Bromomethane	10					
Vinyl Chloride	10					16
Chloroethane	10					
Methylene Chloride	10		250 U		UJ	
Acetone	10	UJ			10 U	10 U
Carbon Disulfide	10					
1,1-Dichloroethene	10					4 J
1,1-Dichloroethane	10					
Total 1,2-Dichloroethene	10		5400	5500		950 J
Chloroform	10					
1,2-Dichloroethane	10		260	240 J		12
2-Butanone	10	UJ			UJ	UJ
1,1,1-Trichloroethane	10					
Carbon Tetrachloride	10					
Bromodichloromethane	10	UJ				UJ
1,1,2,2-Tetrachloroethane	10		250 U	500 U		
1,2-Dichloropropane	10					
trans-1,3-Dichloropropene	10					
Trichloroethene	10		1600	1600		25
Dibromochloromethane	10					
1,1,2-Trichloroethane	10	UJ				
Benzene	10		1200	1100		28
cis-1,3-Dichloropropene	10					
Bromoform	10					
2-Hexanone	10	UJ			UJ	UJ
4-Methyl-2-Pentanone	10	UJ				UJ
Tetrachlorethene	10		970	910		10 U
Toluene	10	UJ				1 J
Chlorobenzene	10	UJ	55 J	51 J		7 J
Ethylbenzene	10	UJ				
Styrene	10	UJ				
Total Xylenes	10	UJ				
Quantitation Limit Multiplier		1	25	50	1	1
Date of Sample Collection		02/22/93	02/22/93	02/22/93	03/15/93	02/22/93
Date Sample Received by Laboratory		02/23/93	02/23/93	02/23/93	03/17/93	02/23/93
Date of Sample Analysis		03/03/93	03/04/93	03/04/93	03/19/93	03/03/93
Instrument Used for Analysis		MS-5100	MS-5100	MS-5100	MS-5100	MS-5100

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-	GW-D17DL	GW-T1	GW-T2	GW-T2-22	GW-RW1
Laboratory Sample Number		V275	V292	V293	V300	V304
Remarks		Dilution			Trip Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)					
Chloromethane	10		1000 U			
Bromomethane	10					
Vinyl Chloride	10		1600			
Chloroethane	10					
Methylene Chloride	10	100 U	1000 U			
Acetone	10	UJ			UJ	
Carbon Disulfide	10					
1,1-Dichloroethene	10					
1,1-Dichloroethane	10					
Total 1,2-Dichloroethene	10	780	12000			2400 J
Chloroform	10					
1,2-Dichloroethane	10		1300			
2-Butanone	10	UJ			UJ	
1,1,1-Trichloroethane	10					
Carbon Tetrachloride	10					
Bromodichloromethane	10	UJ			UJ	
1,1,2,2-Tetrachloroethane	10			5300 J		10000
1,2-Dichloropropane	10					
trans-1,3-Dichloropropene	10					
Trichloroethene	10	20 J	1000 U	19000		8100
Dibromochloromethane	10					
1,1,2-Trichloroethane	10	24 J				
Benzene	10		860 J	5100 J	UJ	4400 J
cis-1,3-Dichloropropene	10			UJ		UJ
Bromoform	10		UJ			
2-Hexanone	10	UJ			UJ	
4-Methyl-2-Pentanone	10	UJ			UJ	
Tetrachlorethene	10			100000		92000
Toluene	10		100 J	1300 J	UJ	
Chlorobenzene	10		480 J		UJ	
Ethylbenzene	10				UJ	
Styrene	10				UJ	
Total Xylenes	10				UJ	
Quantitation Limit Multiplier		10	100	1000	1	500
Date of Sample Collection		02/22/93	02/24/93	02/24/93	02/24/93	02/24/93
Date Sample Received by Laboratory		02/23/93	02/25/93	02/25/93	02/25/93	02/25/93
Date of Sample Analysis		03/03/93	03/08/93	03/09/93	03/03/93	03/09/93
Instrument Used for Analysis		MS-5100	MS-5100	MS-5100	MS-5100	MS-5100

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-	GW-RW1-112	GW-S22R	GW-ASR	GW-A-UBR	GW-A-VF1R
Laboratory Sample Number		V306	V421	V396	V397	V398
Remarks		Field Blank	Dup of RW			Dup GW-AUB
Units		ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)					
Chloromethane	10	12	UJ	14 U	11 U	10 U
Bromomethane	10					
Vinyl Chloride	10					
Chloroethane	10			UJ	UJ	UJ
Methylene Chloride	10		UJ	UJ	UJ	UJ
Acetone	10	3 J	5000 U	10 U	UJ	10 U
Carbon Disulfide	10					
1,1-Dichloroethene	10					
1,1-Dichloroethane	10					
Total 1,2-Dichloroethene	10		2100 J	11		
Chloroform	10			1 J		
1,2-Dichloroethane	10		UJ	170	82	80
2-Butanone	10	UJ		UJ	UJ	UJ
1,1,1-Trichloroethane	10					
Carbon Tetrachloride	10					
Bromodichloromethane	10	UJ				
1,1,2,2-Tetrachloroethane	10		11,000 J			
1,2-Dichloropropane	10					
trans-1,3-Dichloropropene	10					
Trichloroethene	10		8400	6 J		
Dibromochloromethane	10					
1,1,2-Trichloroethane	10					
Benzene	10		4700 J			
cis-1,3-Dichloropropene	10					
Bromoform	10					
2-Hexanone	10	UJ	UJ	UJ	UJ	UJ
4-Methyl-2-Pentanone	10	UJ	UJ			
Tetrachlorethene	10		68000			
Toluene	10		580 J			
Chlorobenzene	10					
Ethylbenzene	10					
Styrene	10					
Total Xylenes	10					
Quantitation Limit Multiplier		1	500	1	1	1
Date of Sample Collection		02/24/93	03/23/93	03/22/93	03/22/93	03/22/93
Date Sample Received by Laboratory		02/25/93	03/24/93	03/23/93	03/23/93	03/23/93
Date of Sample Analysis		03/03/93	03/29/93	03/24/93	03/24/93	03/24/93
Instrument Used for Analysis		MS-5100	MS-5100	MS-5100	MS-5100	MS-5100

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-	GW-BSR	GW-BS-218	GW-CSR	GW-CUBR	GW-C-LBR
Laboratory Sample Number		V399	V405	V367	V368	V365
Remarks			Trip Blank			
Units		ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)					
Chloromethane	10			20 J	16 J	47 J
Bromomethane	10					
Vinyl Chloride	10	790				
Chloroethane	10	UJ	UJ			
Methylene Chloride	10	UJ	UJ	UJ	UJ	UJ
Acetone	10	500U	2 J	10 U	10 U	21 U
Carbon Disulfide	10					
1,1-Dichloroethene	10					
1,1-Dichloroethane	10					
Total 1,2-Dichloroethene	10	11000				
Chloroform	10					
1,2-Dichloroethane	10	4900				
2-Butanone	10	UJ	UJ	UJ	UJ	UJ
1,1,1-Trichloroethane	10					
Carbon Tetrachloride	10					
Bromodichloromethane	10					
1,1,2,2-Tetrachloroethane	10					
1,2-Dichloropropane	10					
trans-1,3-Dichloropropene	10					
Trichloroethene	10	3700				
Dibromochloromethane	10					
1,1,2-Trichloroethane	10					
Benzene	10	6100				
cis-1,3-Dichloropropene	10					
Bromoform	10					
2-Hexanone	10	UJ	UJ	UJ	UJ	UJ
4-Methyl-2-Pentanone	10					
Tetrachlorethene	10	100J				
Toluene	10	93J				
Chlorobenzene	10	390J				
Ethylbenzene	10					
Styrene	10					
Total Xylenes	10					
Quantitation Limit Multiplier		50	1	1	1	1
Date of Sample Collection		3/22/93	03/22/93	03/16/93	03/16/93	03/16/93
Date Sample Received by Laboratory		3/23/93	03/23/93	03/17/93	03/17/93	03/17/93
Date of Sample Analysis		3/24/93	03/24/93	03/19/93	03/19/93	03/19/93
Instrument Used for Analysis		MS-5100	MS-5100	MS-5100	MS-5100	MS-5100

VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-	GW-DVF2	GW-DVF3	GW-D-LBR	GW-EVF1	GW-EVF2
Laboratory Sample Number		V373	V374	V384	V356	V357
Remarks						
Units		ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)					
Chloromethane	10	10 U	10 U	21 U	15 U	16 J
Bromomethane	10			UJ		
Vinyl Chloride	10					
Chloroethane	10					
Methylene Chloride	10	UJ	UJ	UJ	UJ	UJ
Acetone	10	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	10					
1,1-Dichloroethene	10					
1,1-Dichloroethane	10					
Total 1,2-Dichloroethene	10					
Chloroform	10					
1,2-Dichloroethane	10					
2-Butanone	10	UJ	UJ	UJ		
1,1,1-Trichloroethane	10					
Carbon Tetrachloride	10					
Bromodichloromethane	10					
1,1,2,2-Tetrachloroethane	10					
1,2-Dichloropropane	10					
trans-1,3-Dichloropropene	10					
Trichloroethene	10					
Dibromochloromethane	10					
1,1,2-Trichloroethane	10					
Benzene	10					
cis-1,3-Dichloropropene	10					
Bromoform	10					
2-Hexanone	10	UJ	UJ	UJ		
4-Methyl-2-Pentanone	10					
Tetrachlorethene	10					
Toluene	10					
Chlorobenzene	10					
Ethylbenzene	10					
Styrene	10					
Total Xylenes	10					
Quantitation Limit Multiplier		1	1	1	1	1
Date of Sample Collection		03/16/93	03/16/93	03/17/93	03/15/93	03/15/93
Date Sample Received by Laboratory		03/17/93	03/17/93	03/18/93	03/17/93	03/17/93
Date of Sample Analysis		03/22/93	03/22/93	03/23/93	03/18/93	03/18/93
Instrument Used for Analysis		MS-5100	MS-5100	MS-5100	MS-5100	MS-5100

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-	GW-EVF3	GW-EVF5R	GW-EVF4	GW-ELBR	GW-F-VF3
Laboratory Sample Number		V358	V360	V359	V364	V379
Remarks			Dup GW-EVF3R			
Units		ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)					
Chloromethane	10	17 J	22 J	19 J	13 U	15 U
Bromomethane	10					
Vinyl Chloride	10					
Chloroethane	10					
Methylene Chloride	10	UJ	UJ	UJ	UJ	UJ
Acetone	10	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	10					
1,1-Dichloroethene	10					
1,1-Dichloroethane	10					
Total 1,2-Dichloroethene	10					
Chloroform	10					
1,2-Dichloroethane	10					
2-Butanone	10		UJ		UJ	UJ
1,1,1-Trichloroethane	10					
Carbon Tetrachloride	10					
Bromodichloromethane	10					
1,1,2,2-Tetrachloroethane	10					
1,2-Dichloropropane	10					
trans-1,3-Dichloropropene	10					
Trichloroethene	10					
Dibromochloromethane	10					
1,1,2-Trichloroethane	10					
Benzene	10					
cis-1,3-Dichloropropene	10					
Bromoform	10					
2-Hexanone	10		UJ		UJ	UJ
4-Methyl-2-Pentanone	10					
Tetrachlorethene	10					
Toluene	10					
Chlorobenzene	10					
Ethylbenzene	10					
Styrene	10					
Total Xylenes	10					
Quantitation Limit Multiplier		1	1	1	1	1
Date of Sample Collection		03/15/93	03/15/93	03/15/93	03/16/93	03/17/93
Date Sample Received by Laboratory		03/17/93	03/17/93	03/17/93	03/17/93	03/18/93
Date of Sample Analysis		03/18/93	03/18/93	03/18/93	03/19/93	03/22/93
Instrument Used for Analysis		MS-5100	MS-5100	MS-5100	MS-5100	MS-5100

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-	GW-FVF3-109	GW-F-VF3-217	GW-F-VF4	GW-F-VF6	GW-F-LBR
Laboratory Sample Number		V383	V385	V380	V381	V382
Remarks		Field Blank				
Units		ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)					
Chloromethane	10	11 J	20	10 U	10 U	13 U
Bromomethane	10	UJ				
Vinyl Chloride	10					
Chloroethane	10					
Methylene Chloride	10	UJ	UJ	UJ	UJ	UJ
Acetone	10	3 J	7 J	10 U	10 U	10 U
Carbon Disulfide	10					
1,1-Dichloroethene	10					
1,1-Dichloroethane	10					
Total 1,2-Dichloroethene	10					
Chloroform	10					
1,2-Dichloroethane	10					UJ
2-Butanone	10	UJ	UJ	UJ	UJ	
1,1,1-Trichloroethane	10					
Carbon Tetrachloride	10					
Bromodichloromethane	10					
1,1,2,2-Tetrachloroethane	10					UJ
1,2-Dichloropropane	10					
trans-1,3-Dichloropropene	10					
Trichloroethene	10					
Dibromochloromethane	10					
1,1,2-Trichloroethane	10					
Benzene	10					
cis-1,3-Dichloropropene	10					
Bromoform	10					
2-Hexanone	10	UJ	UJ	UJ	UJ	UJ
4-Methyl-2-Pentanone	10					UJ
Tetrachlorethene	10					
Toluene	10					
Chlorobenzene	10					
Ethylbenzene	10					
Styrene	10					
Total Xylenes	10					
Quantitation Limit Multiplier		1	1	1	1	1
Date of Sample Collection		03/17/93	03/17/93	03/17/93	03/17/93	03/17/93
Date Sample Received by Laboratory		03/18/93	03/18/93	03/18/93	03/18/93	03/18/93
Date of Sample Analysis		03/23/93	03/23/93	03/22/93	03/22/93	03/29/93
Instrument Used for Analysis		MS-5100	MS-5100	MS-5100	MS-5100	MS-5100

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-	GW-GUB	GW-H-SR	GW-H-VF1R	GW-H-UBR	GW-ISR
Laboratory Sample Number		V301	V377	V375	V376	V351
Remarks						
Units		ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)					
Chloromethane	10	200 U	10 U	10 U	14 U	21 J
Bromomethane	10					
Vinyl Chloride	10	290				
Chloroethane	10					
Methylene Chloride	10		UJ	UJ	UJ	UJ
Acetone	10		10 U	10 U	10 U	10 U
Carbon Disulfide	10					
1,1-Dichloroethene	10					
1,1-Dichloroethane	10					
Total 1,2-Dichloroethene	10	5800				
Chloroform	10					
1,2-Dichloroethane	10	160 J				
2-Butanone	10		UJ	UJ	UJ	
1,1,1-Trichloroethane	10					
Carbon Tetrachloride	10					
Bromodichloromethane	10					
1,1,2,2-Tetrachloroethane	10					
1,2-Dichloropropane	10					
trans-1,3-Dichloropropene	10					
Trichloroethene	10					
Dibromochloromethane	10					
1,1,2-Trichloroethane	10					
Benzene	10	240				
cis-1,3-Dichloropropene	10					
Bromoform	10	UJ				
2-Hexanone	10		UJ	UJ	UJ	
4-Methyl-2-Pentanone	10					
Tetrachlorethene	10					
Toluene	10					
Chlorobenzene	10					
Ethylbenzene	10					
Styrene	10					
Total Xylenes	10					
Quantitation Limit Multiplier		20	1	1	1	1
Date of Sample Collection		02/24/93	03/16/93	03/15/93	03/15/93	03/15/93
Date Sample Received by Laboratory		02/25/93	03/17/93	03/17/93	03/17/93	03/17/93
Date of Sample Analysis		03/08/93	03/22/93	03/22/93	03/22/93	03/18/93
Instrument Used for Analysis		MS-5100	MS-5100	MS-5100	MS-5100	MS-5100

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-	GW-IIR	GW-II-108	GW-IUBR	GW-I-LBR	GW-JVF2R
Laboratory Sample Number		V352	V355	V353	V354	V390
Remarks			Field Blank			
Units		ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)					
Chloromethane	10	11 U	3 J	14 U	18 J	14 U
Bromomethane	10					
Vinyl Chloride	10					
Chloroethane	10					
Methylene Chloride	10	UJ	UJ	UJ	UJ	UJ
Acetone	10	10 U	1 J	10 U	10 U	10 U
Carbon Disulfide	10					
1,1-Dichloroethene	10					
1,1-Dichloroethane	10					
Total 1,2-Dichloroethene	10					
Chloroform	10					
1,2-Dichloroethane	10					
2-Butanone	10					UJ
1,1,1-Trichloroethane	10					
Carbon Tetrachloride	10					
Bromodichloromethane	10					
1,1,2,2-Tetrachloroethane	10					
1,2-Dichloropropane	10					
trans-1,3-Dichloropropene	10					
Trichloroethene	10					
Dibromochloromethane	10					
1,1,2-Trichloroethane	10					
Benzene	10					
cis-1,3-Dichloropropene	10					
Bromoform	10					
2-Hexanone	10					UJ
4-Methyl-2-Pentanone	10					
Tetrachlorethene	10					
Toluene	10					
Chlorobenzene	10					
Ethylbenzene	10					
Styrene	10					
Total Xylenes	10					
Quantitation Limit Multiplier		1	1	1	1	1
Date of Sample Collection		03/15/93	03/15/93	03/15/93	03/15/93	03/22/93
Date Sample Received by Laboratory		03/17/93	03/17/93	03/17/93	03/17/93	03/23/93
Date of Sample Analysis		03/18/93	03/18/93	03/18/93	03/18/93	03/23/93
Instrument Used for Analysis		MS-5100	MS-5100	MS-5100	MS-5100	MS-5100

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-	GW-JVF3R	GW-JVF4R	GW-JLBR	GW-KVF2	GW-KVF4
Laboratory Sample Number		V391	V392	V393	V369	V370
Remarks						
Units		ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)					
Chloromethane	10	11 U	13 U	10 U	15 U	10 U
Bromomethane	10					
Vinyl Chloride	10					
Chloroethane	10					
Methylene Chloride	10	UJ	UJ	UJ	UJ	UJ
Acetone	10	10 U	10 U		10 U	10 U
Carbon Disulfide	10					
1,1-Dichloroethene	10					
1,1-Dichloroethane	10					
Total 1,2-Dichloroethene	10					
Chloroform	10					
1,2-Dichloroethane	10					
2-Butanone	10	UJ	UJ	UJ	UJ	UJ
1,1,1-Trichloroethane	10					
Carbon Tetrachloride	10					
Bromodichloromethane	10					
1,1,2,2-Tetrachloroethane	10					
1,2-Dichloropropane	10					
trans-1,3-Dichloropropene	10					
Trichloroethene	10					
Dibromochloromethane	10					
1,1,2-Trichloroethane	10					
Benzene	10					
cis-1,3-Dichloropropene	10					
Bromoform	10					
2-Hexanone	10	UJ	UJ	UJ	UJ	UJ
4-Methyl-2-Pentanone	10					
Tetrachlorethene	10					
Toluene	10					
Chlorobenzene	10					
Ethylbenzene	10					
Styrene	10					
Total Xylenes	10					
Quantitation Limit Multiplier		1	1	1	1	1
Date of Sample Collection		03/22/93	03/22/93	03/22/93	03/16/93	03/16/93
Date Sample Received by Laboratory		03/23/93	03/23/93	03/23/93	03/17/93	03/17/93
Date of Sample Analysis		03/23/93	03/23/93	03/23/93	03/19/93	03/19/93
Instrument Used for Analysis		MS-5100	MS-5100	MS-5100	MS-5100	MS-5100

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-	GW-KLBR	GW-KVF5R	GW-LVF1R	GW-LVF2R	GW-LVF3R
Laboratory Sample Number		V372	V371	V386	V387	V388
Remarks			Dup GW-KLB			Dup GW-LVF2R
Units		ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)					
Chloromethane	10	10 U	10 U	11 U	15 U	12 U
Bromomethane	10					
Vinyl Chloride	10					
Chloroethane	10					
Methylene Chloride	10	UJ	UJ	UJ	UJ	UJ
Acetone	10	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	10					
1,1-Dichloroethene	10					
1,1-Dichloroethane	10					
Total 1,2-Dichloroethene	10					
Chloroform	10					
1,2-Dichloroethane	10					
2-Butanone	10	UJ	UJ	UJ	UJ	UJ
1,1,1-Trichloroethane	10					
Carbon Tetrachloride	10					
Bromodichloromethane	10					
1,1,2,2-Tetrachloroethane	10					
1,2-Dichloropropane	10					
trans-1,3-Dichloropropene	10					
Trichloroethene	10					
Dibromochloromethane	10					
1,1,2-Trichloroethane	10					
Benzene	10					
cis-1,3-Dichloropropene	10					
Bromoform	10					
2-Hexanone	10	UJ	UJ	UJ	UJ	UJ
4-Methyl-2-Pentanone	10					
Tetrachlorethene	10					
Toluene	10					
Chlorobenzene	10					
Ethylbenzene	10					
Styrene	10					
Total Xylenes	10					
Quantitation Limit Multiplier		1	1	1	1	1
Date of Sample Collection		03/16/93	03/16/93	03/22/93	03/22/93	03/22/93
Date Sample Received by Laboratory		03/17/93	03/17/93	03/23/93	03/23/93	03/23/93
Date of Sample Analysis		03/19/93	03/19/93	03/23/93	03/23/93	03/23/93
Instrument Used for Analysis		MS-5100	MS-5100	MS-5100	MS-5100	MS-5100

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-	GW-LLBR
Laboratory Sample Number		V389
Remarks		
Units		ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	
Chloromethane	10	10 U
Bromomethane	10	
Vinyl Chloride	10	
Chloroethane	10	
Methylene Chloride	10	UJ
Acetone	10	10 U
Carbon Disulfide	10	
1,1-Dichloroethene	10	
1,1-Dichloroethane	10	
Total 1,2-Dichloroethene	10	
Chloroform	10	
1,2-Dichloroethane	10	
2-Butanone	10	UJ
1,1,1-Trichloroethane	10	
Carbon Tetrachloride	10	
Bromodichloromethane	10	
1,1,2,2-Tetrachloroethane	10	
1,2-Dichloropropane	10	
trans-1,3-Dichloropropene	10	
Trichloroethene	10	
Dibromochloromethane	10	
1,1,2-Trichloroethane	10	
Benzene	10	
cis-1,3-Dichloropropene	10	
Bromoform	10	
2-Hexanone	10	UJ
4-Methyl-2-Pentanone	10	
Tetrachlorethene	10	
Toluene	10	
Chlorobenzene	10	
Ethylbenzene	10	
Styrene	10	
Total Xylenes	10	
Quantitation Limit Multiplier		1
Date of Sample Collection		03/22/93
Date Sample Received by Laboratory		03/23/93
Date of Sample Analysis		03/23/93
Instrument Used for Analysis		MS-5100

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ROUND 2

TENTATIVELY IDENTIFIED COMPOUNDS
VOLATILES

VOLATILE OR IIC ANALYSIS								
ERM-Midwest Sample Number	RNS-GW-II-108R	RNS-GW-ISR	RNS-GW-IIR	RNS-GW-IUBR	RNS-GW-I-LBR	RNS-GW-EVF1R	RNS-GW-EVF2R	RNS-GW-EVF3R
Laboratory Sample Number	V355	V351	V352	V353	V354	V356	V357	V358
Remarks	Field Blank							
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOLATILE TICS								
AIR/CO2 (1.78)	12 R		11 R		12 R	12 R	11 R	
AIR/CO2 (0.98)		6 R	6 R	5 R	6 R	6 R	6 R	6 R
AIR/CO2 (1.87)		12 R		12 R				12 R
HEXANE (4.93)					10 R			
AIR/CO2 (0.78)								

VOLATILE OR IIC ANALYSIS

ERM-Midwest Sample Number	RNS-GW-EVF4R	RNS-GW-EVF5R	RNS-GW-ELb..	RNS-GW-C-LBR	RNS-GW-KLB-216R	RNS-GW-CSR	RNS-GW-CUBR	RNS-GW-KVF2R
Laboratory Sample Number	V359	V360	V364	V365	V366	V367	V368	V369
Remarks		Duplicate of RNS-GW-EVF3R			Trip Blank			
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOLATILE TICS								
AIR/CO2 (1.78)				10 R				
AIR/CO2 (0.98)	6 R	6 R	6 R		5 R	6 R	6 R	8 R
AIR/CO2 (1 87)	13 R	11 R	11 R		14 R	12 R	12 R	13 R
HEXANE (4 93)			7 R					
AIR/CO2 (0 78)			6 R					7 R

VOLATILE OR IIC ANALYSIS						
ERM-Midwest Sample Number	RNS-GW-KVF3R	RNS-GW-KVF6R	RNS-GW-KLBR	RNS-GW-KLBR	RNS-GW-DVF2R	RNS-GW-DVF3R
Laboratory Sample Number	V370	V371	V372	V372	V373	V374
Remarks		Duplicate of RNS-GW-KLBR				
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOLATILE TICS						
AIR/CO2 (1.78)					9 R	10 R
AIR/CO2 (0.98)	8 R	8 R	8 R	8 R	6 R	6 R
AIR/CO2 (1.87)	13 R	13 R	15 R	15 R		
HEXANE (4.93)						
AIR/CO2 (0.78)	7 R	6 R	6 R	6 R		

VOLATILE OR[illegible]NIC ANALYSIS

ERM-Midwest Sam[illegible] [illegible]umber	RNS-GW-D16R	RNS-GW-H-VF1R	RNS-GW-H-UBR	RNS-G[illegible]R	RNS-GW-D10R	RNS-GW-F-VF3R	RNS-GW-F-VF4R	RNS-GW-F-VF6R	RNS-GW-F-LB[illegible]	[illegible]NS-GW-FVF3-109R
Laboratory Sample Number	V363	V375	V376	V377	V378	V379	V380	V381	V382	V383
Remarks										Field Blank
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOLATILE TICS										
AIR/CO2 (0.78)	6 R									
AIR/CO2 (0.98)	7 R	5 R	5 R		6 R	6 R	6 R	6 R	6 R	
AIR/CO2 (1.85)	12 R	10 R	10 R	95 R	12 R	12 R	12 R	13 R	11 R	9 R
HEXANE (3.33)	17 R									
AIR/CO2 (2.68)					5 R					
3-METHYL-PENTANE (4.23)									6 J	
HEXANE (4.90)									92 R	
METHYL-CYCLOPENTANE (5.98)									19 J	
AIR/CO2 (1.77)										
AIR/CO2 (1.02)										

VOLATILE OR NIC ANALYSIS									
ERM-Midwest Sam umber	RNS-GW-D-LBR	RNS-GW-F-VF3-217	RNS-GW-LVF1R	RNS-G VF2R	RNS-GW-LVF3R	RNS-GW-LLBR	RNS-GW-JVF2R	RNS-GW-JVF3R	RNS-G F4R
Laboratory Sample Number	V384	V385	V386	V387	V388	V389	V390	V391	V392
Remarks		Trip Blank			Duplicate of RNS-GW-LVF2R				
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOLATILE TICS									
AIR/CO2 (0.78)	5 R		7 R		5 R	6 R	8 R	6 R	6 R
AIR/CO2 (0.98)	6 R		9 R	9 R	7 R	8 R	11 R	9 R	9 R
AIR/CO2 (1.85)	12 R	15 R	15 R	15 R	15 R	14 R	14 R	15 R	14 R
HEXANE (3.33)									
AIR/CO2 (2.68)									
3-METHYL-PENTANE (4.23)									
HEXANE (4.90)									
METHYL-CYCLOPENTANE (5.98)									
AIR/CO2 (1.77)									
AIR/CO2 (1.02)									

VOLATILE OR NIC ANALYSIS				
ERM-Midwest Sam umber	RNS-GW-JLBR	RNS-GW-ASR	RNS-GW-A-UBR	RN A-VF1R
Laboratory Sample Number	V393	V396	V397	V398
Remarks				Duplicate of RNS-GW-A-UBR
Units	µg/L	µg/L	µg/L	µg/L
VOLATILE TICS				
AIR/CO2 (0.78)	6 R	7 R	6 R	
AIR/CO2 (0.98)	10 R	8 R		6 R
AIR/CO2 (1.85)	16 R	5 R	12 R	12 R
HEXANE (3 33)				
AIR/CO2 (2.68)				
3-METHYL-PENTANE (4 23)				
HEXANE (4 90)				
METHYL-CYCLOPENTANE (5 98)				
AIR/CO2 (1.77)		10 R		
AIR/CO2 (1.02)			7 R	

VOLATILE ORG[illegible]C ANALYSIS									
ERM-Midwest Sample [illegible]ber	RNS-GW-D7-220	RNS-GW-S17	RNS-GW-S20	RNS-[illegible]	RNS-GW-D8DL	RNS-GW-B-SR	RNS-GW-D1R	RNS-GW-D1-110R	RNS [illegible]9R
Laboratory Sample Number	V271	V272	V273	V274	V274	V399	V400	V401	V402
Remarks	Trip Blank		Duplicate of RNS-GW-S17		Dilution			Field Blank	
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOLATILE TICS									
HEXANE (5.02)									
METHYLCYCLOPENTANE (6.12)									
1-CHLOROCYCLOPENTENE (8.03)									
2-CHLOROPROPANE (6.80)									
AIR/CO2 (1.63)		5 R							
AIR (0.70)				6 R					
AIR/CO2 (0.97)						350 R	7 R	6 R	7 R
AIR/CO2 (1.82)						980 R	16 R		16 R
AIR/CO2 (0.77)							5 R		
AIR/CO2 (1.87)								16 R	
AIR/CO2 (1.78)									
AIR/CO2 (1.73)									
AIR/CO2 (1.52)									

VOLATILE ORG[illegible]C ANALYSIS

ERM-Midwest Sample [illegible]ber	RNS-GW-S10R	RNS-GW-S11R	RNS-GW-SS-218R	RNS-G[illegible]R	RNS-GW-S3R	RNS-GW-D3R	RNS-GW-S4R	RNS-GW-D4R	RNS-GW-DL[illegible]R
Laboratory Sample Number	V403	V404	V405	V406	V407	V408	V409	V410	V411
Remarks			Trip Blank						Trip Blank
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOLATILE TICS									
HEXANE (5.02)									
METHYLCYCLOPENTANE (6.12)									
1-CHLOROCYCLOPENTENE (8.03)									
2-CHLOROPROPANE (6.80)									
AIR/CO2 (1.63)									
AIR (0.70)									
AIR/CO2 (0.97)	8 R	8 R	7 R	9 R	8 R	8 R	8 R	8 R	8 R
AIR/CO2 (1.82)	17 R	17 R	18 R	18 R	17 R			18 R	
AIR/CO2 (0.77)	7 R	6 R		6 R	6 R	7 R	6 R	6 R	
AIR/CO2 (1.87)									18 R
AIR/CO2 (1.78)						13 R	14 R		
AIR/CO2 (1.73)									
AIR/CO2 (1.52)									

VOLATILE ORGANIC ANALYSIS								
ERM-Midwest Sample Number Laboratory Sample Number	RNS-GW-S5R V412	RNS-GW-D5R V413	RNS-GW-D18R V414	RNS-GW-[illegible]R V415	RNS-GW-D7R V416	RNS-GW-D7RDL V416	RNS-GW-D9R V419	RNS-GW-S16R V420
Remarks			Duplicate of RNS-GW-D5R			Dilution		
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOLATILE TICS								
HEXANE (5.02)		29 R	26 R					
METHYLCYCLOPENTANE (6.12)		14 J	12 J					
1-CHLOROCYCLOPENTENE (8.03)		42 J			61 J			
2-CHLOROPROPANE (6.80)								5 J
AIR/CO2 (1.63)								
AIR (0.70)								
AIR/CO2 (0.97)	9 R	10 R	9 R	6 R	8 R	140 R		
AIR/CO2 (1.82)	19 R	19 R	18 R		19 R	340 R		
AIR/CO2 (0.77)	6 R	7 R	6 R	12 R	8 R			
AIR/CO2 (1.87)								
AIR/CO2 (1.78)								
AIR/CO2 (1.73)								
AIR/CO2 (1.52)								

VOLATILE OF 'NIC ANALYSIS										
ERM-Midwest San.. ..umber Laboratory Sample Number	RNS-GW-D17 V275	RNS-GW-D17DL V275	RNS-GW-D15 V276	RNS-G.. ..2 V277	RNS-GW-S13 V278	RNS-GW-S13DL V278	RNS-GW-S15 V279	RNS-GW-D14 V280	RNS-GW-D19 V281	RNS-GW-D14-221 V282
Remarks		Dilution				Dilution			Duplicate of RNS-GW-D14	Trip Blank
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOLATILE TICS										
AIR/CO2 (0 67)	9 R		200 R	8 R			7 R		9 R	
AIR/CO2 (0 72)		60 R								6 R
AIR/CO2 (0.75)								10 R		
AIR/CO2 (1 62)										
AIR/CO2 (0 95)										
AIR/CO2 (0 70)										
AIR/CO2 (0 90)										
HEXANE (4 47)									16 R	
HEXANE (4 53)								13 R		
METHYLCYCLOPENTANE (5.52)									5 J	
TRICHLOROFLUOROMETHANE (1 83)										
AIR/CO2 (1 60)										
AIR/CO2 (1 58)										

VOLATILE OR NIC ANALYSIS										
ERM-Midwest San. umber Laboratory Sample Number	RNS-GW-S7 V283	RNS-GW-D11 V284	RNS-GW-D13 V285	RNS-G. 11-222 V286	RNS-GW-D12 V287	RNS-GW-S12 V288	RNS-GW-S21 V289	RNS-GW-D2 V290	RNS-GW-D2DL V290	RNS-GW-S8 V291
Remarks				Trip Blank			Duplicate of RNS-GW-S12		Dilution	
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOLATILE TICS										
AIR/CO2 (0.67)										
AIR/CO2 (0.72)	8 R		9 R		1500 R					
AIR/CO2 (0.75)								7 R		
AIR/CO2 (1.62)	5 R									
AIR/CO2 (0.95)								5 R	20 R	
AIR/CO2 (0.70)										
AIR/CO2 (0.90)										
HEXANE (4.47)										
HEXANE (4.53)										
METHYLCYCLOPENTANE (5.52)										
TRICHLOROFLUOROMETHANE (1.83)										
AIR/CO2 (1.60)										
AIR/CO2 (1.58)										

VOLATILE OF[illegible]NIC ANALYSIS							
ERM-Midwest Sa[illegible] [illegible]umber Laboratory Sample Number	RNS-GW-T1 V292	RNS-GW-T2 V293	RNS-GW-S18 V294	RN[illegible]-W-S8 V295	RNS-GW-D8 V296	RNS-GW-S8-111 V297	RNS-GW-T2-223 V300
Remarks						Field Blank	Trip Blank
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOLATILE TICS							
AIR/CO2 (0.67)							
AIR/CO2 (0 72)							
AIR/CO2 (0 75)							
AIR/CO2 (1 62)	560 R						
AIR/CO2 (0 95)							
AIR/CO2 (0 70)		5100 R	2600 R	1100 R			
AIR/CO2 (0 90)		6[illegible]00 R	4000 R				
HEXANE (4 47)							
HEXANE (4 53)							
METHYLCYCLOPENTANE (5 52)							
TRICHLOROFLUOROMETHANE (1 83)						11 R	
AIR/CO2 (1 60)		9800 R					
AIR/CO2 (1 58)			4400 R				

VOLATILE OR NIC ANALYSIS				
ERM-Midwest .nple Number	RNS-GW-GUB	RNS-GW-RW1	RNS-GW-RW1-112	.NS-GW-S22R
Laboratory Sample Number	V301	V304	V306	V421
Remarks			Field Blank	
Units	µg/L	µg/L	µg/L	µg/L
VOLATILE TICS				
AIR/CO2 (0.70)			5 R	
AIR/CO2 (0.93)				2600 R
AIR/CO2 (1.63)				
AIR/CO2 (1.77)				
AIR/CO2/HCL (1.72)				8500 R
TRICHLOROFLUOROMETHANE (1.72)			11 J	

RUETGERS-NEASE CHEMICAL COMPANY, INC.
SALEM, OHIO
ROUND 2 GROUNDWATER RESULTS

Semivolatile Compounds

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S1	RNS-GW-S2	RNS-GW-S2RE	RNS-GW-S3	RNS-GW-S4	RNS-GW-S6
Laboratory Sample Number		S260	S277	S277RE	S265	S258	S295
Remarks				Reanalysis			
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation						
	Limit (Aq)						
Phenol	10	1 J	6 J	21	2 J		400 J
bis(2-Chloroethyl)ether	10		R	UJ			R
2-Chlorophenol	10		UJ				13
1,3-Dichlorobenzene	10		R	UJ			3 J
1,4-Dichlorobenzene	10		R	UJ			68 J
1,2-Dichlorobenzene	10		R	UJ	10 U		1500 J
2-Methylphenol	10		UJ				
2,2-Oxybis(1-Chloropropane)	10		R	UJ			R
4-Methylphenol	10		UJ	1 J			
N-Nitroso-di-n-Propylamine	10		R	UJ			R
Hexachloroethane	10		R	UJ			R
Nitrobenzene	10		R	UJ			R
Isophorone	10		R	UJ			R
2-Nitrophenol	10		UJ				
2,4-Dimethylphenol	10		UJ	1 J			
bis(2-Chloroethoxy)methane	10		R	UJ			R
2,4-Dichlorophenol	10		UJ				38
1,2,4-Trichlorobenzene	10		R	UJ			R
Naphthalene	10		R	1 J			R
4-Chloroaniline	10		R	UJ			R
Hexachlorobutadiene	10		R	UJ			R
4-Chloro-3-Methylphenol	10		UJ				
2-Methylnaphthalene	10		R	2 J			R
Hexachlorocyclopentadiene	10		R	UJ			R
2,4,6-Trichlorophenol	10		UJ				
2,4,5-Trichlorophenol	25		UJ				
2-Chloronaphthalene	10		R	UJ			R
2-Nitroaniline	25		R	UJ			4 J
Dimethylphthalate	10		R	UJ			R
Acenaphthylene	10		R	UJ			R
3-Nitroaniline	25		R	UJ			7 J
Acenaphthene	10		R	UJ			R
2,4-Dinitrophenol	25	UJ	UJ	UJ	UJ	UJ	UJ
4-Nitrophenol	25		UJ	UJ			UJ
Dibenzofuran	10		R	UJ			R
2,4-Dinitrotoluene	10		R	UJ			R
2,6-Dinitrotoluene	10		R	UJ			R
Diethylphthalate	10		R	UJ			R
4-Chlorophenylphenylether	10		R	UJ			R
Fluorene	10		R	UJ			R

(Continued)

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S1	RNS-GW-S2	RNS-GW-S2RE	RNS-GW-S3	RNS-GW-S4	RNS-GW-S6
Laboratory Sample Number		S260	S277	S277RE	S265	S258	S295
Remarks				Reanalysis			
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
4-Nitroaniline	25		R	W			R
4,6-Dinitro-2-Methylphenol	25	W	W		W	W	
N-Nitrosodiphenylamine	10		R	W			R
4-Bromophenylphenylether	10		R	W			R
Hexachlorobenzene	10		R	W			R
Pentachlorophenol	25		W	W			
Phenanthrene	10		R	1 J			R
Anthracene	10		R	W			R
Carbazole	10		R	W			R
Di-n-Butylphthalate	10		R	W			R
Fluoranthene	10		R	W			R
Pyrene	10		R	W			R
Butylbenzylphthalate	10		R	W			R
3,3'-Dichlorobenzidine	10	W	R	W	W	W	R
Benzo(a)anthracene	10		R	W			R
bis(2-Ethylhexyl)phthalate	10		10 U	10 U			R
Chrysene	10		R	W			R
Di-n-Octylphthalate	10		R	W			R
Benzo(b)fluoranthene	10		R	W			R
Benzo(k)fluoranthene	10		R	W			R
Benzo(a)pyrene	10		R	W			R
Indeno(1,2,3-cd)pyrene	10		R	W			R
Dibenz(a,h)anthracene	10		R	W			R
Benzo(g,h,i)perylene	10		R	W			R
3,4-Dichloronitrobenzene	25		R	W			R
Diphenylsulfone	10		R	10 U			520 J
Quantitation Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		02/16/93	02/22/93	02/22/93	02/16/93	02/16/93	02/24/93
Date Sample Received by Laboratory		02/17/93	02/23/93	02/23/93	02/18/93	02/17/93	02/25/93
Date Sample Extracted		02/22/93	02/24/93	02/24/93	02/22/93	02/22/93	02/26/93
Date of Sample Analysis		03/15/93	03/16/93	03/30/93	03/15/93	03/14/93	03/22/93
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S6DL	RNS-GW-S6-111	RNS-GW-S7	RNS-GW-S8	RNS-GW-S8DL	RNS-GW-S9
Laboratory Sample Number		S295DL	S297	S283	S291	S291DL	S250
Remarks		Dilution	Field Blank			Dilution	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation						
	Limit (Aq)						
Phenol	10	300 J		1 J	1 J		
bis(2-Chloroethyl)ether	10						
2-Chlorophenol	10						
1,3-Dichlorobenzene	10						
1,4-Dichlorobenzene	10			1 J	3 J		
1,2-Dichlorobenzene	10	9800	13	76	340 J	630	
2-Methylphenol	10						
2,2-Oxybis(1-Chloropropane)	10						
4-Methylphenol	10						
N-Nitroso-di-n-Propylamine	10						
Hexachloroethane	10						
Nitrobenzene	10						
Isophorone	10						
2-Nitrophenol	10						
2,4-Dimethylphenol	10						
bis(2-Chloroethoxy)methane	10						
2,4-Dichlorophenol	10						
1,2,4-Trichlorobenzene	10						
Naphthalene	10						
4-Chloroaniline	10						
Hexachlorobutadiene	10						
4-Chloro-3-Methylphenol	10						
2-Methylnaphthalene	10						
Hexachlorocyclopentadiene	10						
2,4,6-Trichlorophenol	10						
2,4,5-Trichlorophenol	25						
2-Chloronaphthalene	10						
2-Nitroaniline	25			4 J	13		
Dimethylphthalate	10						
Acenaphthylene	10						
3-Nitroaniline	25						UJ
Acenaphthene	10						
2,4-Dinitrophenol	25	UJ	UJ	UJ	UJ	UJ	UJ
4-Nitrophenol	25	UJ	UJ	UJ	UJ	UJ	
Dibenzofuran	10						
2,4-Dinitrotoluene	10						
2,6-Dinitrotoluene	10						
Diethylphthalate	10						
4-Chlorophenylphenylether	10						
Fluorene	10						

(Continued)

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S6DL	RNS-GW-S6-111	RNS-GW-S7	RNS-GW-S8	RNS-GW-S8DL	RNS-GW-S9
Laboratory Sample Number		S295DL	S297	S283	S291	S291DL	S250
Remarks		Dilution	Field Blank			Dilution	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
4-Nitroaniline	25						
4,6-Dinitro-2-Methylphenol	25						
N-Nitrosodiphenylamine	10						
4-Bromophenylphenylether	10						
Hexachlorobenzene	10						
Pentachlorophenol	25						
Phenanthrene	10						
Anthracene	10						
Carbazole	10						
Di-n-Butylphthalate	10						
Fluoranthene	10						
Pyrene	10						
Butylbenzylphthalate	10						
3,3'-Dichlorobenzidine	10		W	W	W	W	W
Benzo(a)anthracene	10						
bis(2-Ethylhexyl)phthalate	10	2500 U		10 U			
Chrysene	10						
Di-n-Octylphthalate	10						
Benzo(b)fluoranthene	10						
Benzo(k)fluoranthene	10						
Benzo(a)pyrene	10						
Indeno(1,2,3-cd)pyrene	10						
Dibenz(a,h)anthracene	10						
Benzo(g,h,i)perylene	10						
3,4-Dichloronitrobenzene	25						
Diphenylsulfone	10	2500 U	1 J	43	10 U		
Quantitation Limit Multiplier		250	1	1	1	10	1
Date of Sample Collection		02/24/93	02/24/93	02/23/93	02/23/93	02/23/93	02/16/93
Date Sample Received by Laboratory		02/25/93	02/25/93	02/24/93	02/24/93	02/24/93	02/17/93
Date Sample Extracted		02/26/93	02/26/93	02/24/93	02/24/93	02/24/93	02/17/93
Date of Sample Analysis		04/01/93	03/22/93	03/18/93	03/18/93	03/23/93	03/12/93
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S10	RNS-GW-S11	RNS-GW-S11DL	RNS-GW-S12	RNS-GW-S12DL	RNS-GW-S21
Laboratory Sample Number		S253	S254	S254DL	S288RE	S288DL	S289
Remarks				Dilution		Dilution	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation						Duplicate of RNS-GW-
	Limit (Aq)						
Phenol	10		1 J		180 J	200	270 J
bis(2-Chloroethyl)ether	10						UJ
2-Chlorophenol	10				6 J	6 J	12 J
1,3-Dichlorobenzene	10						UJ
1,4-Dichlorobenzene	10						UJ
1,2-Dichlorobenzene	10		10 U		55 U	56 U	110 U
2-Methylphenol	10						
2,2-Oxybis(1-Chloropropane)	10						UJ
4-Methylphenol	10						
N-Nitroso-di-n-Propylamine	10						UJ
Hexachloroethane	10						UJ
Nitrobenzene	10						UJ
Isophorone	10						UJ
2-Nitrophenol	10						3 J
2,4-Dimethylphenol	10				3 J	3 J	5 J
bis(2-Chloroethoxy)methane	10						UJ
2,4-Dichlorophenol	10				210 J	220	440 J
1,2,4-Trichlorobenzene	10						
Naphthalene	10						97 J
4-Chloroaniline	10						UJ
Hexachlorobutadiene	10						UJ
4-Chloro-3-Methylphenol	10						
2-Methylnaphthalene	10						UJ
Hexachlorocyclopentadiene	10						UJ
2,4,6-Trichlorophenol	10						
2,4,5-Trichlorophenol	25						
2-Chloronaphthalene	10						UJ
2-Nitroaniline	25						16 J
Dimethylphthalate	10						UJ
Acenaphthylene	10						UJ
3-Nitroaniline	25	UJ	UJ				UJ
Acenaphthene	10						UJ
2,4-Dinitrophenol	25	UJ	UJ	UJ	UJ	UJ	UJ
4-Nitrophenol	25			UJ	UJ	UJ	UJ
Dibenzofuran	10						UJ
2,4-Dinitrotoluene	10						UJ
2,6-Dinitrotoluene	10				79		UJ
Diethylphthalate	10						UJ
4-Chlorophenylphenylether	10						UJ
Fluorene	10						UJ

(Continued)

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S10	RNS-GW-S11	RNS-GW-S11DL	RNS-GW-S12	RNS-GW-S12DL	RNS-GW-S21
Laboratory Sample Number		S253	S254	S254DL	S288RE	S288DL	S289
Remarks				Dilution		Dilution	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						Duplicate of RNS-GW-
4-Nitroaniline	25						W
4,6-Dinitro-2-Methylphenol	25						
N-Nitrosodiphenylamine	10						W
4-Bromophenylphenylether	10						W
Hexachlorobenzene	10						W
Pentachlorophenol	25						
Phenanthrene	10						W
Anthracene	10						W
Carbazole	10						W
Di-n-Butylphthalate	10						W
Fluoranthene	10						W
Pyrene	10						W
Butylbenzylphthalate	10						W
3,3'-Dichlorobenzidine	10	W	W	W			W
Benzo(a)anthracene	10						W
bis(2-Ethylhexyl)phthalate	10				20 U		20 U
Chrysene	10						W
Di-n-Octylphthalate	10						W
Benzo(b)fluoranthene	10						W
Benzo(k)fluoranthene	10						W
Benzo(a)pyrene	10						W
Indeno(1,2,3-cd)pyrene	10						W
Dibenz(a,h)anthracene	10						W
Benzo(g,h,i)perylene	10						W
3,4-Dichloronitrobenzene	25						W
Diphenylsulfone	10		350 J	360	20 U	40 U	W
Quantitation Limit Multiplier		1	1	10	2	4	2
Date of Sample Collection		02/16/93	02/16/93	02/16/93	02/23/93	02/23/93	02/23/93
Date Sample Received by Laboratory		02/17/93	02/17/93	02/17/93	02/24/93	02/24/93	02/24/93
Date Sample Extracted		02/17/93	02/17/93	02/17/93	02/24/93	02/24/93	02/24/93
Date of Sample Analysis		03/12/93	03/13/93	03/22/93	04/05/93	04/05/93	04/05/93
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S21RE	RNS-GW-S21DL	RNS-GW-S13	RNS-GW-S13DL	RNS-GW-S14	RNS-GW-S15
Laboratory Sample Number		S289RE	S289DL	S278	S278DL	S269	S279
Remarks		Reanalysis	Dilution		Dilution		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation	Duplicate of RNS-GW-	Duplicate of RNS-GW-				
	Limit (Aq)						
Phenol	10	270 J	160	2 J			
bis(2-Chloroethyl)ether	10						
2-Chlorophenol	10	12 J	6 J				
1,3-Dichlorobenzene	10						
1,4-Dichlorobenzene	10			1 J			
1,2-Dichlorobenzene	10	110 U	57 U	180 J	240	10 U	
2-Methylphenol	10						
2,2-Oxybis(1-Chloropropane)	10						
4-Methylphenol	10						
N-Nitroso-di-n-Propylamine	10						
Hexachloroethane	10						
Nitrobenzene	10						
Isophorone	10						
2-Nitrophenol	10						
2,4-Dimethylphenol	10	7 J	3 J				
bis(2-Chloroethoxy)methane	10						
2,4-Dichlorophenol	10	440 J	240				
1,2,4-Trichlorobenzene	10						
Naphthalene	10	91 J					
4-Chloroaniline	10						
Hexachlorobutadiene	10						
4-Chloro-3-Methylphenol	10						
2-Methylnaphthalene	10						
Hexachlorocyclopentadiene	10						
2,4,6-Trichlorophenol	10						
2,4,5-Trichlorophenol	25						
2-Chloronaphthalene	10						
2-Nitroaniline	25						
Dimethylphthalate	10						
Acenaphthylene	10						
3-Nitroaniline	25						
Acenaphthene	10						
2,4-Dinitrophenol	25	W	W	W	W	W	W
4-Nitrophenol	25	W	W		W		
Dibenzofuran	10						
2,4-Dinitrotoluene	10						
2,6-Dinitrotoluene	10						
Diethylphthalate	10						
4-Chlorophenylphenylether	10						
Fluorene	10						

(Continued)

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S21RE	RNS-GW-S21DL	RNS-GW-S13	RNS-GW-S13DL	RNS-GW-S14	RNS-GW-S15
Laboratory Sample Number		S289RE	S289DL	S278	S278DL	S269	S279
Remarks		Reanalysis	Dilution		Dilution		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Duplicate of RNS-GW-	Duplicate of RNS-GW-				
4-Nitroaniline	25				W		
4,6-Dinitro-2-Methylphenol	25					W	
N-Nitrosodiphenylamine	10						
4-Bromophenylphenylether	10						
Hexachlorobenzene	10						
Pentachlorophenol	25						
Phenanthrene	10						
Anthracene	10						
Carbazole	10						
Di-n-Butylphthalate	10						
Fluoranthene	10						
Pyrene	10						
Butylbenzylphthalate	10						
3,3'-Dichlorobenzidine	10			W	W	W	W
Benzo(a)anthracene	10						
bis(2-Ethylhexyl)phthalate	10	20 U					10 U
Chrysene	10						
Di-n-Octylphthalate	10	W					
Benzo(b)fluoranthene	10	W					
Benzo(k)fluoranthene	10	W					
Benzo(a)pyrene	10	W					
Indeno(1,2,3-cd)pyrene	10	W					
Dibenz(a,h)anthracene	10	W					
Benzo(g,h,i)perylene	10	W					
3,4-Dichloronitrobenzene	25	W					
Diphenylsulfone	10	W		72	54		
Quantitation Limit Multiplier		2	4	1	4	1	1
Date of Sample Collection		02/23/93	02/23/93	02/22/93	02/22/93	02/17/93	02/22/93
Date Sample Received by Laboratory		02/24/93	02/24/93	02/23/93	02/23/93	02/18/93	02/23/93
Date Sample Extracted		02/24/93	02/24/93	02/24/93	02/24/93	02/22/93	02/24/93
Date of Sample Analysis		04/05/93	04/05/93	03/16/93	03/19/93	03/16/93	03/16/93
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S16	RNS-GW-S17	RNS-GW-S20	RNS-GW-S20DL	RNS-GW-S18	RNS-GW-S18RE
Laboratory Sample Number		S263	S272RE	S273	S273DL	S294	S294RE
Remarks				Dup-S17	Dilution		Reanalysis
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation						
	Limit (Aq)						
Phenol	10	3 J	1 J	1 J		150	150
bis(2-Chloroethyl)ether	10		R				UJ
2-Chlorophenol	10		R				
1,3-Dichlorobenzene	10		R				UJ
1,4-Dichlorobenzene	10		5 J	6 J		290 J	280 J
1,2-Dichlorobenzene	10		430 J	420 J	1100	3900 J	3700 J
2-Methylphenol	10		R				
2,2-Oxybis(1-Chloropropane)	10		R				UJ
4-Methylphenol	10		R				
N-Nitroso-di-n-Propylamine	10		R			R	R
Hexachloroethane	10		R			51	53 J
Nitrobenzene	10		R				UJ
Isophorone	10		R				UJ
2-Nitrophenol	10		R				1 J
2,4-Dimethylphenol	10		R			1 J	
bis(2-Chloroethoxy)methane	10		R				UJ
2,4-Dichlorophenol	10		R			670 J	670 J
1,2,4-Trichlorobenzene	10		R			UJ	UJ
Naphthalene	10		R	1 J			UJ
4-Chloroaniline	10		R				UJ
Hexachlorobutadiene	10		R				UJ
4-Chloro-3-Methylphenol	10		R			UJ	UJ
2-Methylnaphthalene	10		R				UJ
Hexachlorocyclopentadiene	10		R			UJ	UJ
2,4,6-Trichlorophenol	10		R				
2,4,5-Trichlorophenol	25		R				
2-Chloronaphthalene	10		R				UJ
2-Nitroaniline	25		R				UJ
Dimethylphthalate	10		R				UJ
Acenaphthylene	10		R				UJ
3-Nitroaniline	25		R				UJ
Acenaphthene	10		R			6 J	4 J
2,4-Dinitrophenol	25	UJ	R	UJ	UJ	UJ	UJ
4-Nitrophenol	25		R		UJ	UJ	UJ
Dibenzofuran	10		R				UJ
2,4-Dinitrotoluene	10		R				UJ
2,6-Dinitrotoluene	10		R				UJ
Diethylphthalate	10		R				UJ
4-Chlorophenylphenylether	10		R				UJ
Fluorene	10		R				UJ

(Continued)

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S16	RNS-GW-S17	RNS-GW-S20	RNS-GW-S20DL	RNS-GW-S18	RNS-GW-S18RE
Laboratory Sample Number		S263	S272RE	S273	S273DL	S294	S294RE
Remarks				Dup-S17	Dilution		Reanalysis
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
4-Nitroaniline	25		R		W	W	W
4,6-Dinitro-2-Methylphenol	25	W	R	W			
N-Nitrosodiphenylamine	10		R				W
4-Bromophenylphenylether	10		R				W
Hexachlorobenzene	10		R				W
Pentachlorophenol	25		R				
Phenanthrene	10		R				W
Anthracene	10		R				W
Carbazole	10		R			36	34 J
Di-n-Butylphthalate	10		R				W
Fluoranthene	10		R				W
Pyrene	10		R			W	W
Butylbenzylphthalate	10		R			W	W
3,3'-Dichlorobenzidine	10	W	R	W	W	W	W
Benzo(a)anthracene	10		R			W	W
bis(2-Ethylhexyl)phthalate	10	10 U	R	10 U		W	W
Chrysene	10		R			W	W
Di-n-Octylphthalate	10		R			R	W
Benzo(b)fluoranthene	10		R			R	W
Benzo(k)fluoranthene	10		R			R	W
Benzo(a)pyrene	10		R			R	W
Indeno(1,2,3-cd)pyrene	10		R			R	W
Dibenz(a,h)anthracene	10		R			R	W
Benzo(g,h,i)perylene	10		R			R	W
3,4-Dichloronitrobenzene	25		R			R	W
Diphenylsulfone	10		480 J	410 J	620	3500 J	3800 J
Quantitation Limit Multiplier		1	1	1	20	1	1
Date of Sample Collection		02/17/93	02/22/93	02/22/93	02/22/93	02/24/93	02/24/93
Date Sample Received by Laboratory		02/18/93	02/23/93	02/23/93	02/23/93	02/25/93	02/25/93
Date Sample Extracted		02/22/93	03/18/93	02/24/93	02/24/93	02/26/93	02/26/93
Date of Sample Analysis		03/18/93	03/23/93	03/18/93	03/19/93	04/06/93	04/06/93
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S18DL	RNS-GW-D1	RNS-GW-D1-110	RNS-GW-D2	RNS-GW-D2DL	RNS-GW-D3
Laboratory Sample Number		S294DL	S251	S252	S290	S290DL	S261
Remarks		Dilution		Field Blank		Dilution	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation						
	Limit (Aq)						
Phenol	10				1 J		1 J
bis(2-Chloroethyl)ether	10						
2-Chlorophenol	10						
1,3-Dichlorobenzene	10						
1,4-Dichlorobenzene	10	300 J			1 J		
1,2-Dichlorobenzene	10	36000			140 J	160	10
2-Methylphenol	10						
2,2-Oxybis(1-Chloropropane)	10						
4-Methylphenol	10						
N-Nitroso-di-n-Propylamine	10						
Hexachloroethane	10						
Nitrobenzene	10						
Isophorone	10						
2-Nitrophenol	10						
2,4-Dimethylphenol	10						
bis(2-Chloroethoxy)methane	10						
2,4-Dichlorophenol	10						
1,2,4-Trichlorobenzene	10						
Naphthalene	10						
4-Chloroaniline	10						
Hexachlorobutadiene	10						
4-Chloro-3-Methylphenol	10						
2-Methylnaphthalene	10						
Hexachlorocyclopentadiene	10	UJ					
2,4,6-Trichlorophenol	10						
2,4,5-Trichlorophenol	25						
2-Chloronaphthalene	10						
2-Nitroaniline	25						
Dimethylphthalate	10						
Acenaphthylene	10						
3-Nitroaniline	25		UJ	UJ			
Acenaphthene	10						
2,4-Dinitrophenol	25	UJ	UJ	UJ	UJ	UJ	UJ
4-Nitrophenol	25	UJ			UJ	UJ	
Dibenzofuran	10						
2,4-Dinitrotoluene	10						
2,6-Dinitrotoluene	10						
Diethylphthalate	10						
4-Chlorophenylphenylether	10						
Fluorene	10						

(Continued)

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S18DL	RNS-GW-D1	RNS-GW-D1-110	RNS-GW-D2	RNS-GW-D2DL	RNS-GW-D3
Laboratory Sample Number		S294DL	S251	S252	S290	S290DL	S261
Remarks		Dilution		Field Blank		Dilution	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
4-Nitroaniline	25	W					
4,6-Dinitro-2-Methylphenol	25						W
N-Nitrosodiphenylamine	10						
4-Bromophenylphenylether	10						
Hexachlorobenzene	10						
Pentachlorophenol	25						
Phenanthrene	10						
Anthracene	10						
Carbazole	10						
Di-n-Butylphthalate	10						
Fluoranthene	10						
Pyrene	10						
Butylbenzylphthalate	10						
3,3'-Dichlorobenzidine	10		W	W	W	W	W
Benzo(a)anthracene	10						
bis(2-Ethylhexyl)phthalate	10				10 U		10 U
Chrysene	10						
Di-n-Octylphthalate	10						
Benzo(b)fluoranthene	10						
Benzo(k)fluoranthene	10						
Benzo(a)pyrene	10						
Indeno(1,2,3-cd)pyrene	10						
Dibenz(a,h)anthracene	10						
Benzo(g,h,i)perylene	10						
3,4-Dichloronitrobenzene	25						
Diphenylsulfone	10	9100	3 J		280 J	280 J	20
Quantitation Limit Multiplier		500	1	1	1	10	1
Date of Sample Collection		02/24/93	02/16/93	02/16/93	02/23/93	02/23/93	02/16/93
Date Sample Received by Laboratory		02/25/93	02/17/93	02/17/93	02/24/93	02/24/93	02/17/93
Date Sample Extracted		02/26/93	02/17/93	02/17/93	02/24/93	02/24/93	02/22/93
Date of Sample Analysis		04/06/93	03/12/93	03/12/93	03/18/93	03/22/93	03/15/93
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-D4	RNS-GW-D5	RNS-GW-D18	RNS-GW-D6	RNS-GW-D6RE	RNS-GW-D6DL
Laboratory Sample Number		S259	S256	S257	S296	S296RE	S296DL
Remarks				Duplicate of RNS-		Reanalysis	Dilution
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation						
	Limit (Aq)						
Phenol	10	1 J			8 J	8 J	6 J
bis(2-Chloroethyl)ether	10						
2-Chlorophenol	10						
1,3-Dichlorobenzene	10						
1,4-Dichlorobenzene	10				5 J	5 J	
1,2-Dichlorobenzene	10		10 U		380 J	410 J	720
2-Methylphenol	10						
2,2-Oxybis(1-Chloropropane)	10						
4-Methylphenol	10						
N-Nitroso-di-n-Propylamine	10						
Hexachloroethane	10						
Nitrobenzene	10						
Isophorone	10						
2-Nitrophenol	10						
2,4-Dimethylphenol	10						
bis(2-Chloroethoxy)methane	10						
2,4-Dichlorophenol	10				1 J	1 J	
1,2,4-Trichlorobenzene	10						
Naphthalene	10				2 J	2 J	
4-Chloroaniline	10						
Hexachlorobutadiene	10						
4-Chloro-3-Methylphenol	10						
2-Methylnaphthalene	10						
Hexachlorocyclopentadiene	10						
2,4,6-Trichlorophenol	10						
2,4,5-Trichlorophenol	25						
2-Chloronaphthalene	10						
2-Nitroaniline	25						
Dimethylphthalate	10						
Acenaphthylene	10						
3-Nitroaniline	25						
Acenaphthene	10						
2,4-Dinitrophenol	25	UJ	UJ	UJ	UJ	UJ	UJ
4-Nitrophenol	25				UJ	UJ	UJ
Dibenzofuran	10						
2,4-Dinitrotoluene	10						
2,6-Dinitrotoluene	10						
Diethylphthalate	10						
4-Chlorophenylphenylether	10						
Fluorene	10						

(Continued)

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-D4	RNS-GW-D5	RNS-GW-D18	RNS-GW-D6	RNS-GW-D6RE	RNS-GW-D6DL
Laboratory Sample Number		S259	S256	S257	S296	S296RE	S296DL
Remarks				Duplicate of RNS-		Reanalysis	Dilution
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
4-Nitroaniline	25						
4,6-Dinitro-2-Methylphenol	25	W		W			
N-Nitrosodiphenylamine	10						
4-Bromophenylphenylether	10						
Hexachlorobenzene	10						
Pentachlorophenol	25						
Phenanthrene	10						
Anthracene	10						
Carbazole	10						
Di-n-Butylphthalate	10						
Fluoranthene	10						
Pyrene	10						
Butylbenzylphthalate	10						
3,3'-Dichlorobenzidine	10	W	W	W	W		
Benzo(a)anthracene	10						
bis(2-Ethylhexyl)phthalate	10	10 U		10 U		10 U	
Chrysene	10						
Di-n-Octylphthalate	10				W	W	
Benzo(b)fluoranthene	10				W	W	
Benzo(k)fluoranthene	10				W	W	
Benzo(a)pyrene	10				W	W	
Indeno(1,2,3-cd)pyrene	10				W	W	
Dibenz(a,h)anthracene	10				W	W	
Benzo(g,h,i)perylene	10				W	W	
3,4-Dichloronitrobenzene	25				W	W	
Diphenylsulfone	10				170 J	170 J	150
Quantitation Limit Multiplier		1	1	1	1	1	10
Date of Sample Collection		02/16/93	02/16/93	02/16/93	02/24/93	02/24/93	02/24/93
Date Sample Received by Laboratory		02/17/93	02/17/93	02/17/93	02/25/93	02/25/93	02/25/93
Date Sample Extracted		02/22/93	02/22/93	02/22/93	02/26/93	02/26/93	02/26/93
Date of Sample Analysis		03/14/93	03/13/93	03/14/93	03/22/93	04/01/93	04/05/93
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-D7	RNS-GW-D7DL	RNS-GW-D8	RNS-GW-D8DL	RNS-GW-D9	RNS-GW-D10
Laboratory Sample Number		S266	S266DL	S274	S274DL	S264	S232
Remarks			Dilution		Dilution		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation						
	Limit (Aq)						
Phenol	10	1 J		2 J		1 J	
bis(2-Chloroethyl)ether	10						
2-Chlorophenol	10						
1,3-Dichlorobenzene	10						
1,4-Dichlorobenzene	10			3 J			
1,2-Dichlorobenzene	10	93	110	330 J	660	10 U	
2-Methylphenol	10						
2,2-Oxybis(1-Chloropropane)	10						
4-Methylphenol	10						
N-Nitroso-di-n-Propylamine	10	UJ					
Hexachloroethane	10						
Nitrobenzene	10						
Isophorone	10						
2-Nitrophenol	10						
2,4-Dimethylphenol	10						
bis(2-Chloroethoxy)methane	10						
2,4-Dichlorophenol	10						
1,2,4-Trichlorobenzene	10						
Naphthalene	10						
4-Chloroaniline	10						
Hexachlorobutadiene	10						
4-Chloro-3-Methylphenol	10						
2-Methylnaphthalene	10						
Hexachlorocyclopentadiene	10						
2,4,6-Trichlorophenol	10						
2,4,5-Trichlorophenol	25						
2-Chloronaphthalene	10						
2-Nitroaniline	25						
Dimethylphthalate	10						
Acenaphthylene	10						
3-Nitroaniline	25						UJ
Acenaphthene	10						
2,4-Dinitrophenol	25	UJ	UJ	UJ	UJ	UJ	
4-Nitrophenol	25		UJ		UJ		
Dibenzofuran	10						
2,4-Dinitrotoluene	10						
2,6-Dinitrotoluene	10						
Diethylphthalate	10						
4-Chlorophenylphenylether	10						
Fluorene	10						

(Continued)

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-D7	RNS-GW-D7DL	RNS-GW-D8	RNS-GW-D8DL	RNS-GW-D9	RNS-GW-D10
Laboratory Sample Number		S266	S266DL	S274	S274DL	S264	S232
Remarks			Dilution		Dilution		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
4-Nitroaniline	25		W		W		
4,6-Dinitro-2-Methylphenol	25			W			
N-Nitrosodiphenylamine	10						
4-Bromophenylphenylether	10						
Hexachlorobenzene	10						
Pentachlorophenol	25						
Phenanthrene	10						
Anthracene	10						
Carbazole	10						
Di-n-Butylphthalate	10						
Fluoranthene	10						
Pyrene	10						
Butylbenzylphthalate	10						
3,3'-Dichlorobenzidine	10	W	W	W	W	W	W
Benzo(a)anthracene	10						
bis(2-Ethylhexyl)phthalate	10			10 U			
Chrysene	10						
Di-n-Octylphthalate	10						
Benzo(b)fluoranthene	10						
Benzo(k)fluoranthene	10						
Benzo(a)pyrene	10						
Indeno(1,2,3-cd)pyrene	10						
Dibenz(a,h)anthracene	10						
Benzo(g,h,i)perylene	10						
3,4-Dichloronitrobenzene	25						
Diphenylsulfone	10	98 J	100	370 J	560		
Quantitation Limit Multiplier		1	2	1	10	1	1
Date of Sample Collection		02/17/93	02/17/93	02/22/93	02/22/93	02/17/93	02/09/93
Date Sample Received by Laboratory		02/18/93	02/18/93	02/23/93	02/23/93	02/18/93	02/11/93
Date Sample Extracted		02/22/93	02/22/93	02/24/93	02/24/93	02/22/93	02/12/93
Date of Sample Analysis		03/13/93	03/19/93	03/16/93	03/19/93	03/13/93	03/11/93
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D12	RNS-GW-D12DL	RNS-GW-D13	RNS-GW-D14
Laboratory Sample Number		S284	S284DL	S287	S287DL	S285	S280
Remarks			Dilution		Dilution		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation						
	Limit (Aq)						
Phenol	10	11		5 J			
bis(2-Chloroethyl)ether	10						
2-Chlorophenol	10						
1,3-Dichlorobenzene	10						
1,4-Dichlorobenzene	10	3 J		210 J			
1,2-Dichlorobenzene	10	210 J	310 J	2100 J	28000	10 U	
2-Methylphenol	10						
2,2-Oxybis(1-Chloropropane)	10						
4-Methylphenol	10	1 J					
N-Nitroso-di-n-Propylamine	10	3 J					
Hexachloroethane	10	19		190 J			
Nitrobenzene	10						
Isophorone	10						
2-Nitrophenol	10						
2,4-Dimethylphenol	10						
bis(2-Chloroethoxy)methane	10						
2,4-Dichlorophenol	10	11		14			
1,2,4-Trichlorobenzene	10			14			
Naphthalene	10			16			
4-Chloroaniline	10		UJ				
Hexachlorobutadiene	10	8 J		36			
4-Chloro-3-Methylphenol	10						
2-Methylnaphthalene	10						
Hexachlorocyclopentadiene	10						
2,4,6-Trichlorophenol	10	1 J		2 J			
2,4,5-Trichlorophenol	25						
2-Chloronaphthalene	10						
2-Nitroaniline	25	14					
Dimethylphthalate	10						
Acenaphthylene	10						
3-Nitroaniline	25						
Acenaphthene	10						
2,4-Dinitrophenol	25	UJ	UJ	UJ	UJ	UJ	UJ
4-Nitrophenol	25		UJ		UJ		
Dibenzofuran	10						
2,4-Dinitrotoluene	10						
2,6-Dinitrotoluene	10						
Diethylphthalate	10						
4-Chlorophenylphenylether	10						
Fluorene	10						

(Continued)

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D12	RNS-GW-D12DL	RNS-GW-D13	RNS-GW-D14
Laboratory Sample Number		S284	S284DL	S287	S287DL	S285	S280
Remarks			Dilution		Dilution		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
4-Nitroaniline	25				W		
4,6-Dinitro-2-Methylphenol	25			W			
N-Nitrosodiphenylamine	10						
4-Bromophenylphenylether	10						
Hexachlorobenzene	10	1 J		10			
Pentachlorophenol	25		W				
Phenanthrene	10						
Anthracene	10						
Carbazole	10						
Di-n-Butylphthalate	10						
Fluoranthene	10						
Pyrene	10						
Butylbenzylphthalate	10						3 J
3,3'-Dichlorobenzidine	10	W		W	W	W	W
Benzo(a)anthracene	10						
bis(2-Ethylhexyl)phthalate	10	10 U		10 U		14	90 J
Chrysene	10						
Di-n-Octylphthalate	10						
Benzo(b)fluoranthene	10						
Benzo(k)fluoranthene	10						
Benzo(a)pyrene	10						
Indeno(1,2,3-cd)pyrene	10						
Dibenz(a,h)anthracene	10						
Benzo(g,h,i)perylene	10						
3,4-Dichloronitrobenzene	25						
Diphenylsulfone	10	1400 J	3700	2700 J	14000		
Quantitation Limit Multiplier		1	100	1	500	1	1
Date of Sample Collection		02/23/93	02/23/93	02/23/93	02/23/93	02/23/93	02/22/93
Date Sample Received by Laboratory		02/24/93	02/24/93	02/24/93	02/24/93	02/24/93	02/23/93
Date Sample Extracted		02/24/93	02/24/93	02/24/93	02/24/93	02/24/93	02/24/93
Date of Sample Analysis		03/17/93	03/30/93	03/17/93	03/19/93	03/17/93	03/17/93
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-D14DL	RNS-GW-D19	RNS-GW-D19DL	RNS-GW-D15	RNS-GW-D15DL	RNS-GW-D16
Laboratory Sample Number		S280DL	S281	S281DL	S276	S276DL	S227
Remarks		Dilution		Dilution		Dilution	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation		Duplicate of RNS-GW-	Duplicate of RNS-GW-			
	Limit (Aq)						
Phenol	10				2 J		
bis(2-Chloroethyl)ether	10						
2-Chlorophenol	10				1 J		
1,3-Dichlorobenzene	10						
1,4-Dichlorobenzene	10				3 J		
1,2-Dichlorobenzene	10				470 J	940	
2-Methylphenol	10						
2,2-Oxybis(1-Chloropropane)	10						
4-Methylphenol	10						
N-Nitroso-di-n-Propylamine	10						
Hexachloroethane	10						
Nitrobenzene	10						
Isophorone	10						
2-Nitrophenol	10						
2,4-Dimethylphenol	10						
bis(2-Chloroethoxy)methane	10						
2,4-Dichlorophenol	10				4 J		
1,2,4-Trichlorobenzene	10						
Naphthalene	10				1 J		
4-Chloroaniline	10						
Hexachlorobutadiene	10						
4-Chloro-3-Methylphenol	10						
2-Methylnaphthalene	10						
Hexachlorocyclopentadiene	10						
2,4,6-Trichlorophenol	10						
2,4,5-Trichlorophenol	25						
2-Chloronaphthalene	10						
2-Nitroaniline	25				8 J		
Dimethylphthalate	10						
Acenaphthylene	10						
3-Nitroaniline	25						W
Acenaphthene	10						
2,4-Dinitrophenol	25	W	W	W	W	W	
4-Nitrophenol	25	W	W	W		W	
Dibenzofuran	10						
2,4-Dinitrotoluene	10						
2,6-Dinitrotoluene	10						
Diethylphthalate	10						
4-Chlorophenylphenylether	10						
Fluorene	10						

(Continued)

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-D14DL	RNS-GW-D19	RNS-GW-D19DL	RNS-GW-D15	RNS-GW-D15DL	RNS-GW-D16
Laboratory Sample Number		S280DL	S281	S281DL	S276	S276DL	S227
Remarks		Dilution		Dilution		Dilution	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)		Duplicate of RNS-GW-	Duplicate of RNS-GW-			
4-Nitroaniline	25	W				W	
4,6-Dinitro-2-Methylphenol	25						
N-Nitrosodiphenylamine	10						
4-Bromophenylphenylether	10						
Hexachlorobenzene	10						
Pentachlorophenol	25						
Phenanthrene	10						
Anthracene	10						
Carbazole	10						
Di-n-Butylphthalate	10						
Fluoranthene	10						
Pyrene	10						
Butylbenzylphthalate	10	2 J	6 J	5 J			
3,3'-Dichlorobenzidine	10	W	W	W	W	W	W
Benzo(a)anthracene	10						
bis(2-Ethylhexyl)phthalate	10	98 J	180 J	250 J	10 U		4 J
Chrysene	10						
Di-n-Octylphthalate	10						
Benzo(b)fluoranthene	10						
Benzo(k)fluoranthene	10						
Benzo(a)pyrene	10						
Indeno(1,2,3-cd)pyrene	10						
Dibenz(a,h)anthracene	10						
Benzo(g,h,i)perylene	10						
3,4-Dichloronitrobenzene	25						
Diphenylsulfone	10				880 J	1500	
Quantitation Limit Multiplier		2	1	4	1	50	1
Date of Sample Collection		02/22/93	02/22/93	02/22/93	02/22/93	02/22/93	02/09/93
Date Sample Received by Laboratory		02/23/93	02/23/93	02/23/93	02/23/93	02/23/93	02/11/93
Date Sample Extracted		02/24/93	02/24/93	02/24/93	02/24/93	02/24/93	02/12/93
Date of Sample Analysis		03/19/93	03/18/93	03/22/93	03/18/93	03/19/93	03/10/93
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-D17	RNS-GW-T1	RNS-GW-T1DL	RNS-GW-T2	RNS-GW-T2RE	RNS-GW-T2DL
Laboratory Sample Number		S275	S292	S292DL	S293	S293RE	S293DL
Remarks				Dilution		Reanalysis	Dilution
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation						
	Limit (Aq)						
Phenol	10	1 J	8 J		15	12	
bis(2-Chloroethyl)ether	10		U		1 J	1 J	
2-Chlorophenol	10		1 J		1 J		
1,3-Dichlorobenzene	10		1 J		3 J	3 J	
1,4-Dichlorobenzene	10		17 J		40 J	41	
1,2-Dichlorobenzene	10	73	760 J	2700	1400 J	1400 J	8000
2-Methylphenol	10						
2,2-Oxybis(1-Chloropropane)	10		U		U		
4-Methylphenol	10		10				
N-Nitroso-di-n-Propylamine	10		U		U		
Hexachloroethane	10		U		240 J	230 J	300 J
Nitrobenzene	10		U		U		
Isophorone	10		U		U		
2-Nitrophenol	10						
2,4-Dimethylphenol	10						
bis(2-Chloroethoxy)methane	10		U		U		
2,4-Dichlorophenol	10		1 J		43	47	
1,2,4-Trichlorobenzene	10		U		3 J	3 J	
Naphthalene	10		U		14 J	14	
4-Chloroaniline	10		U	U	1 J	2 J	U
Hexachlorobutadiene	10		U		42 J	42	
4-Chloro-3-Methylphenol	10						
2-Methylnaphthalene	10		U		U		
Hexachlorocyclopentadiene	10		U		U		
2,4,6-Trichlorophenol	10						
2,4,5-Trichlorophenol	25						
2-Chloronaphthalene	10		U		U		
2-Nitroaniline	25		7 J		U		
Dimethylphthalate	10		U		U		
Acenaphthylene	10		U		U		
3-Nitroaniline	25		U		U		
Acenaphthene	10		U		U		
2,4-Dinitrophenol	25	U	U	U	U	U	U
4-Nitrophenol	25		U	U	U	U	U
Dibenzofuran	10		U		U		
2,4-Dinitrotoluene	10		U		U		
2,6-Dinitrotoluene	10		U		U		
Diethylphthalate	10		U		U		
4-Chlorophenylphenylether	10		U		U		
Fluorene	10		U		U		

(Continued)

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-D17	RNS-GW-T1	RNS-GW-T1DL	RNS-GW-T2	RNS-GW-T2RE	RNS-GW-T2DL
Laboratory Sample Number		S275	S292	S292DL	S293	S293RE	S293DL
Remarks				Dilution		Reanalysis	Dilution
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
4-Nitroaniline	25		W		W		
4,6-Dinitro-2-Methylphenol	25	W					
N-Nitrosodiphenylamine	10		W		W		
4-Bromophenylphenylether	10		W		W		
Hexachlorobenzene	10		W		5 J	5 J	
Pentachlorophenol	25			W			W
Phenanthrene	10		W		W		
Anthracene	10		W		W		
Carbazole	10		W		W		
Di-n-Butylphthalate	10		W		W		
Fluoranthene	10		W		W		
Pyrene	10		W		W		
Butylbenzylphthalate	10		W		1 J	1 J	
3,3'-Dichlorobenzidine	10	W	W		W	W	
Benzo(a)anthracene	10		W		W		
bis(2-Ethylhexyl)phthalate	10	10 U	10 U		W		
Chrysene	10		W		W		
Di-n-Octylphthalate	10		W		6 J	6 J	
Benzo(b)fluoranthene	10		W		W	W	
Benzo(k)fluoranthene	10		W		W	W	
Benzo(a)pyrene	10		W		W	W	
Indeno(1,2,3-cd)pyrene	10		W		W	W	
Dibenz(a,h)anthracene	10		W		W	W	
Benzo(g,h,i)perylene	10		W		W	W	
3,4-Dichloronitrobenzene	25		W		W	W	
Diphenylsulfone	10	64	56 J	47 J	2100 J	2100 J	11000
Quantitation Limit Multiplier		1	1	40	1	1	250
Date of Sample Collection		02/22/93	02/24/93	02/24/93	02/24/93	02/24/93	02/24/93
Date Sample Received by Laboratory		02/23/93	02/25/93	02/25/93	02/25/93	02/25/93	02/25/93
Date Sample Extracted		02/24/93	02/26/93	02/26/93	02/26/93	02/26/93	02/26/93
Date of Sample Analysis		03/16/93	03/16/93	03/30/93	03/16/93	03/22/93	03/30/93
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-RW1	RNS-GW-RW1DL	RNS-GW-S22	RNS-GW-S22DL	RNS-GW-RW1-11	RNS-GW-AS
Laboratory Sample Number		S304	S304DL	S305	S305DL	S306	S235
Remarks			Dilution	Duplicate of RNS-	Duplicate of RNS-	Field Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation						
	Limit (Aq)				Dilution		
Phenol	10	7 J		6 J			
bis(2-Chloroethyl)ether	10						
2-Chlorophenol	10						
1,3-Dichlorobenzene	10	6 J		6 J			
1,4-Dichlorobenzene	10	110 J		92 J			
1,2-Dichlorobenzene	10	2300 J	16000	2100 J	14000	3 J	
2-Methylphenol	10						
2,2-Oxybis(1-Chloropropane)	10						
4-Methylphenol	10						
N-Nitroso-di-n-Propylamine	10						
Hexachloroethane	10	340 J	410 J	320 J	410 J		
Nitrobenzene	10						
Isophorone	10						
2-Nitrophenol	10						
2,4-Dimethylphenol	10						
bis(2-Chloroethoxy)methane	10						
2,4-Dichlorophenol	10	15		12			
1,2,4-Trichlorobenzene	10	5 J		5 J			
Naphthalene	10	7 J		6 J			
4-Chloroaniline	10	UJ		UJ		UJ	
Hexachlorobutadiene	10	32		31			
4-Chloro-3-Methylphenol	10						
2-Methylnaphthalene	10						
Hexachlorocyclopentadiene	10						
2,4,6-Trichlorophenol	10	6 J		6 J			
2,4,5-Trichlorophenol	25						
2-Chloronaphthalene	10						
2-Nitroaniline	25	10 J		8 J			
Dimethylphthalate	10						
Acenaphthylene	10						
3-Nitroaniline	25						UJ
Acenaphthene	10						
2,4-Dinitrophenol	25	UJ	UJ	UJ	UJ	UJ	
4-Nitrophenol	25	UJ	UJ	UJ	UJ	UJ	
Dibenzofuran	10						
2,4-Dinitrotoluene	10						
2,6-Dinitrotoluene	10						
Diethylphthalate	10						
4-Chlorophenylphenylether	10						
Fluorene	10						

(Continued)

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-RW1	RNS-GW-RW1DL	RNS-GW-S22	RNS-GW-S22DL	RNS-GW-RW1-11	RNS-GW-AS
Laboratory Sample Number		S304	S304DL	S305	S305DL	S306	S235
Remarks			Dilution	Duplicate of RNS-	Duplicate of RNS-	Field Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)				Dilution		
4-Nitroaniline	25						
4,6-Dinitro-2-Methylphenol	25						
N-Nitrosodiphenylamine	10						
4-Bromophenylphenylether	10						
Hexachlorobenzene	10	7 J		8 J			
Pentachlorophenol	25	W		W		W	
Phenanthrene	10						
Anthracene	10						
Carbazole	10						
Di-n-Butylphthalate	10						
Fluoranthene	10						
Pyrene	10						
Butylbenzylphthalate	10						
3,3'-Dichlorobenzidine	10						W
Benzo(a)anthracene	10						
bis(2-Ethylhexyl)phthalate	10						1 J
Chrysene	10						
Di-n-Octylphthalate	10						
Benzo(b)fluoranthene	10						
Benzo(k)fluoranthene	10						
Benzo(a)pyrene	10						
Indeno(1,2,3-cd)pyrene	10						
Dibenz(a,h)anthracene	10						
Benzo(g,h,i)perylene	10						
3,4-Dichloronitrobenzene	25						
Diphenylsulfone	10	2900 J	7400	2800 J	7600		
Quantitation Limit Multiplier		1	500	1	500	1	1
Date of Sample Collection		02/24/93	02/24/93	02/24/93	02/24/93	02/24/93	02/08/93
Date Sample Received by Laboratory		02/25/93	02/25/93	02/25/93	02/25/93	02/25/93	02/16/93
Date Sample Extracted		02/26/93	02/26/93	02/26/93	02/26/93	02/26/93	02/17/93
Date of Sample Analysis		03/30/93	04/01/93	03/30/93	04/01/93	03/30/93	03/11/93
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-AUB	RNS-GW-AVF1	RNS-GW-B-S	RNS-GW-B-SDL	RNS-GW-CS	RNS-GW-CUB
Laboratory Sample Number		S236	S237	S247	S247DL	S200	S201
Remarks			Duplicate of RNS-		Dilution		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation						
	Limit (Aq)						
Phenol	10			2 J			
bis(2-Chloroethyl)ether	10						
2-Chlorophenol	10			1 J			
1,3-Dichlorobenzene	10			1 J			
1,4-Dichlorobenzene	10			15	13 J		
1,2-Dichlorobenzene	10			350 J	670		
2-Methylphenol	10						
2,2-Oxybis(1-Chloropropane)	10						
4-Methylphenol	10			1 J			
N-Nitroso-di-n-Propylamine	10						
Hexachloroethane	10						
Nitrobenzene	10						
Isophorone	10						
2-Nitrophenol	10						
2,4-Dimethylphenol	10						
bis(2-Chloroethoxy)methane	10						
2,4-Dichlorophenol	10						
1,2,4-Trichlorobenzene	10						
Naphthalene	10						
4-Chloroaniline	10						
Hexachlorobutadiene	10						
4-Chloro-3-Methylphenol	10						
2-Methylnaphthalene	10						
Hexachlorocyclopentadiene	10						
2,4,6-Trichlorophenol	10						
2,4,5-Trichlorophenol	25						
2-Chloronaphthalene	10						
2-Nitroaniline	25						
Dimethylphthalate	10						
Acenaphthylene	10						
3-Nitroaniline	25			UJ			
Acenaphthene	10						
2,4-Dinitrophenol	25	UJ	UJ	UJ	UJ		
4-Nitrophenol	25				UJ		
Dibenzofuran	10						
2,4-Dinitrotoluene	10						
2,6-Dinitrotoluene	10						
Diethylphthalate	10						
4-Chlorophenylphenylether	10						
Fluorene	10						

(Continued)

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-AUB	RNS-GW-AVF1	RNS-GW-B-S	RNS-GW-B-SDL	RNS-GW-CS	RNS-GW-CUB
Laboratory Sample Number		S236	S237	S247	S247DL	S200	S201
Remarks			Duplicate of RNS-		Dilution		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
4-Nitroaniline	25						
4,6-Dinitro-2-Methylphenol	25						
N-Nitrosodiphenylamine	10						
4-Bromophenylphenylether	10						
Hexachlorobenzene	10						
Pentachlorophenol	25						
Phenanthrene	10						
Anthracene	10						
Carbazole	10						
Di-n-Butylphthalate	10						
Fluoranthene	10						
Pyrene	10						
Butylbenzylphthalate	10						
3,3'-Dichlorobenzidine	10	ω	ω	ω	ω	ω	ω
Benzo(a)anthracene	10						
bis(2-Ethylhexyl)phthalate	10					10 U	10 U
Chrysene	10						
Di-n-Octylphthalate	10						
Benzo(b)fluoranthene	10						
Benzo(k)fluoranthene	10						
Benzo(a)pyrene	10						
Indeno(1,2,3-cd)pyrene	10						
Dibenz(a,h)anthracene	10						
Benzo(g,h,i)perylene	10						
3,4-Dichloronitrobenzene	25						
Diphenylsulfone	10	1 J	1 J	23	16 J		
Quantitation Limit Multiplier		1	1	1	10	1	1
Date of Sample Collection		02/09/93	02/09/93	02/15/93	02/15/93	02/08/93	02/08/93
Date Sample Received by Laboratory		02/16/93	02/16/93	02/16/93	02/16/93	02/10/93	02/10/93
Date Sample Extracted		02/17/93	02/17/93	02/17/93	02/17/93	02/11/93	02/11/93
Date of Sample Analysis		03/11/93	03/11/93	03/12/93	03/18/93	03/05/93	03/05/93
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-C-LB	RNS-GW-DVF2	RNS-GW-DVF3	RNS-GW-DLBA	RNS-GW-EVF1	RNS-GW-EVF2R
Laboratory Sample Number		S221	S202RE	S203	S221	S211	S307
Remarks							
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation						
	Limit (Aq)						
Phenol	10	10 U	R				W
bis(2-Chloroethyl)ether	10		R				W
2-Chlorophenol	10		R				W
1,3-Dichlorobenzene	10		R				W
1,4-Dichlorobenzene	10		R				W
1,2-Dichlorobenzene	10		R				W
2-Methylphenol	10		R				W
2,2-Oxybis(1-Chloropropane)	10		R				W
4-Methylphenol	10		R				W
N-Nitroso-di-n-Propylamine	10		R				W
Hexachloroethane	10		R				W
Nitrobenzene	10		R				W
Isophorone	10		R				W
2-Nitrophenol	10		R				W
2,4-Dimethylphenol	10		R				W
bis(2-Chloroethoxy)methane	10		R				W
2,4-Dichlorophenol	10		R				W
1,2,4-Trichlorobenzene	10		R				W
Naphthalene	10		R				W
4-Chloroaniline	10		R				W
Hexachlorobutadiene	10		R				W
4-Chloro-3-Methylphenol	10		R				W
2-Methylnaphthalene	10		R				W
Hexachlorocyclopentadiene	10		R				W
2,4,6-Trichlorophenol	10		R				W
2,4,5-Trichlorophenol	25		R				W
2-Chloronaphthalene	10		R				W
2-Nitroaniline	25		R				W
Dimethylphthalate	10		R				W
Acenaphthylene	10		R				W
3-Nitroaniline	25	W	R				W
Acenaphthene	10		R				W
2,4-Dinitrophenol	25		R		W	W	W
4-Nitrophenol	25		R				W
Dibenzofuran	10		R				W
2,4-Dinitrotoluene	10		R				W
2,6-Dinitrotoluene	10		R				W
Diethylphthalate	10		R		1 J		W
4-Chlorophenylphenylether	10		R				W
Fluorene	10		R				W

(Continued)

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-C-LB	RNS-GW-DVF2	RNS-GW-DVF3	RNS-GW-DLBA	RNS-GW-EVF1	RNS-GW-EVF2R
Laboratory Sample Number		S221	S202RE	S203	S221	S211	S307
Remarks							
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
4-Nitroaniline	25		R				UJ
4,6-Dinitro-2-Methylphenol	25		R				UJ
N-Nitrosodiphenylamine	10		R				UJ
4-Bromophenylphenylether	10		R				UJ
Hexachlorobenzene	10		R				UJ
Pentachlorophenol	25		R				UJ
Phenanthrene	10		R				UJ
Anthracene	10		R				UJ
Carbazole	10		R			UJ	UJ
Di-n-Butylphthalate	10		R		1 J		UJ
Fluoranthene	10		R				UJ
Pyrene	10		R		1 J		UJ
Butylbenzylphthalate	10		R				UJ
3,3'-Dichlorobenzidine	10	UJ	R	UJ	UJ	UJ	UJ
Benzo(a)anthracene	10		R				UJ
bis(2-Ethylhexyl)phthalate	10	10 U	R	UJ	8 J	10 U	10 U
Chrysene	10		R				UJ
Di-n-Octylphthalate	10		R				UJ
Benzo(b)fluoranthene	10		R				UJ
Benzo(k)fluoranthene	10		R				UJ
Benzo(a)pyrene	10		R				UJ
Indeno(1,2,3-cd)pyrene	10		R				UJ
Dibenz(a,h)anthracene	10		R				UJ
Benzo(g,h,i)perylene	10		R				UJ
3,4-Dichloronitrobenzene	25		R				UJ
Diphenylsulfone	10	1 J	R		4 J		UJ
Quantitation Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		02/10/93	02/09/93	02/09/93	02/09/93	02/09/93	03/15/93
Date Sample Received by Laboratory		02/11/93	02/10/93	02/10/93	02/10/93	02/10/93	03/17/93
Date Sample Extracted		02/12/93	03/08/93	02/11/93	02/12/93	02/11/93	03/22/93
Date of Sample Analysis		03/09/93	03/09/93	03/05/93	03/11/93	03/08/93	03/23/93
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-EVF3	RNS-GW-EVF5	RNS-GW-EVF4	RNS-GW-ELB	RNS-GW-FVF3	RNS-GW-FVF3-10
Laboratory Sample Number		S213RE	S217	S214	S218	S228	S233
Remarks			Duplicate of RNS-				Field Blank
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation						
	Limit (Aq)						
Phenol	10	R					
bis(2-Chloroethyl)ether	10	R					
2-Chlorophenol	10	R					
1,3-Dichlorobenzene	10	R					
1,4-Dichlorobenzene	10	R					
1,2-Dichlorobenzene	10	R					
2-Methylphenol	10	R					
2,2-Oxybis(1-Chloropropane)	10	R					
4-Methylphenol	10	R					
N-Nitroso-di-n-Propylamine	10	R					
Hexachloroethane	10	R					
Nitrobenzene	10	R					
Isophorone	10	R					
2-Nitrophenol	10	R					
2,4-Dimethylphenol	10	R					
bis(2-Chloroethoxy)methane	10	R					
2,4-Dichlorophenol	10	R					
1,2,4-Trichlorobenzene	10	R					
Naphthalene	10	R					
4-Chloroaniline	10	R					
Hexachlorobutadiene	10	R					
4-Chloro-3-Methylphenol	10	R					
2-Methylnaphthalene	10	R					
Hexachlorocyclopentadiene	10	R					
2,4,6-Trichlorophenol	10	R					
2,4,5-Trichlorophenol	25	R					
2-Chloronaphthalene	10	R					
2-Nitroaniline	25	R					
Dimethylphthalate	10	R					
Acenaphthylene	10	R					
3-Nitroaniline	25	R			UJ	UJ	UJ
Acenaphthene	10	R					
2,4-Dinitrophenol	25	R	UJ				
4-Nitrophenol	25	R					
Dibenzofuran	10	R					
2,4-Dinitrotoluene	10	R					
2,6-Dinitrotoluene	10	R					
Diethylphthalate	10	R					
4-Chlorophenylphenylether	10	R					
Fluorene	10	R					

(Continued)

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-EVF3	RNS-GW-EVF5	RNS-GW-EVF4	RNS-GW-ELB	RNS-GW-FVF3	RNS-GW-FVF3-10
Laboratory Sample Number		S213RE	S217	S214	S218	S228	S233
Remarks			Duplicate of RNS-				Field Blank
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
4-Nitroaniline	25	R					
4,6-Dinitro-2-Methylphenol	25	R					
N-Nitrosodiphenylamine	10	R					
4-Bromophenylphenylether	10	R					
Hexachlorobenzene	10	R					
Pentachlorophenol	25	R					
Phenanthrene	10	R					
Anthracene	10	R					
Carbazole	10	R	W				
Di-n-Butylphthalate	10	R					
Fluoranthene	10	R					
Pyrene	10	R					
Butylbenzylphthalate	10	R					
3,3'-Dichlorobenzidine	10	R	W	W	W	W	W
Benzo(a)anthracene	10	R					
bis(2-Ethylhexyl)phthalate	10	10 U	10 U	W	27 U		
Chrysene	10	R					
Di-n-Octylphthalate	10	R					
Benzo(b)fluoranthene	10	R					
Benzo(k)fluoranthene	10	R					
Benzo(a)pyrene	10	R					
Indeno(1,2,3-cd)pyrene	10	R					
Dibenz(a,h)anthracene	10	R					
Benzo(g,h,i)perylene	10	R					
3,4-Dichloronitrobenzene	25	R					
Diphenylsulfone	10	R					
Quantitation Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		02/09/93	02/09/93	02/09/93	02/09/93	02/09/93	02/09/93
Date Sample Received by Laboratory		02/10/93	02/10/93	02/10/93	02/10/93	02/11/93	02/11/93
Date Sample Extracted		03/08/93	02/11/93	02/11/93	02/12/93	02/12/93	02/12/93
Date of Sample Analysis		03/10/93	03/08/93	03/08/93	03/09/93	03/10/93	03/11/93
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-FVF4	RNS-GW-FVF6	RNS-GW-FLBA	RNS-GW-GUB	RNS-GW-GUBDL	RNS-GW-H-S
Laboratory Sample Number		S229	S230	S231	S301	S301DL	S224
Remarks						Dilution	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation						
	Limit (Aq)						
Phenol	10				4 J		
bis(2-Chloroethyl)ether	10						
2-Chlorophenol	10						
1,3-Dichlorobenzene	10						
1,4-Dichlorobenzene	10				1 J		
1,2-Dichlorobenzene	10				210 J	310	
2-Methylphenol	10						
2,2-Oxybis(1-Chloropropane)	10						
4-Methylphenol	10						
N-Nitroso-di-n-Propylamine	10				R		
Hexachloroethane	10						
Nitrobenzene	10						
Isophorone	10						
2-Nitrophenol	10						
2,4-Dimethylphenol	10						
bis(2-Chloroethoxy)methane	10						
2,4-Dichlorophenol	10						
1,2,4-Trichlorobenzene	10				W		
Naphthalene	10						
4-Chloroaniline	10					W	
Hexachlorobutadiene	10						
4-Chloro-3-Methylphenol	10						
2-Methylnaphthalene	10						
Hexachlorocyclopentadiene	10						
2,4,6-Trichlorophenol	10						
2,4,5-Trichlorophenol	25						
2-Chloronaphthalene	10						
2-Nitroaniline	25						
Dimethylphthalate	10						
Acenaphthylene	10						
3-Nitroaniline	25	W	W	W			
Acenaphthene	10						
2,4-Dinitrophenol	25				W	W	W
4-Nitrophenol	25				W	W	
Dibenzofuran	10						
2,4-Dinitrotoluene	10						
2,6-Dinitrotoluene	10						
Diethylphthalate	10						
4-Chlorophenylphenylether	10						
Fluorene	10						

(Continued)

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-FVF4	RNS-GW-FVF6	RNS-GW-FLBA	RNS-GW-GUB	RNS-GW-GUBDL	RNS-GW-H-S
Laboratory Sample Number		S229	S230	S231	S301	S301DL	S224
Remarks						Dilution	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
4-Nitroaniline	25				W		
4,6-Dinitro-2-Methylphenol	25						
N-Nitrosodiphenylamine	10						
4-Bromophenylphenylether	10						
Hexachlorobenzene	10						
Pentachlorophenol	25					W	
Phenanthrene	10						
Anthracene	10						
Carbazole	10						
Di-n-Butylphthalate	10						
Fluoranthene	10						
Pyrene	10						
Butylbenzylphthalate	10						
3,3'-Dichlorobenzidine	10	W	W	W	W		W
Benzo(a)anthracene	10						
bis(2-Ethylhexyl)phthalate	10	1 J		4 J			
Chrysene	10						
Di-n-Octylphthalate	10						
Benzo(b)fluoranthene	10						
Benzo(k)fluoranthene	10						
Benzo(a)pyrene	10						
Indeno(1,2,3-cd)pyrene	10						
Dibenz(a,h)anthracene	10						
Benzo(g,h,i)perylene	10						
3,4-Dichloronitrobenzene	25						
Diphenylsulfone	10				610 J	910	
Quantitation Limit Multiplier		1	1	1	1	20	1
Date of Sample Collection		02/09/93	02/09/93	02/09/93	02/24/93	02/24/93	02/09/93
Date Sample Received by Laboratory		02/11/93	02/11/93	02/11/93	02/25/93	02/25/93	02/11/93
Date Sample Extracted		02/12/93	02/12/93	02/12/93	02/26/93	02/26/93	02/12/93
Date of Sample Analysis		03/10/93	03/11/93	03/11/93	03/23/93	03/30/93	03/11/93
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-H-VF1	RNS-GW-H-UB	RNS-GW-IS	RNS-GW-Ii	RNS-GW-IUB	RNS-GW-IUB-108
Laboratory Sample Number		S225	S226	S209	S210	S207	S208
Remarks							Field Blank
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation						
	Limit (Aq)						
Phenol	10						
bis(2-Chloroethyl)ether	10						
2-Chlorophenol	10						
1,3-Dichlorobenzene	10						
1,4-Dichlorobenzene	10						
1,2-Dichlorobenzene	10						
2-Methylphenol	10						
2,2-Oxybis(1-Chloropropane)	10						
4-Methylphenol	10						
N-Nitroso-di-n-Propylamine	10						
Hexachloroethane	10						
Nitrobenzene	10						
Isophorone	10						
2-Nitrophenol	10						
2,4-Dimethylphenol	10						
bis(2-Chloroethoxy)methane	10						
2,4-Dichlorophenol	10						
1,2,4-Trichlorobenzene	10						
Naphthalene	10						
4-Chloroaniline	10						
Hexachlorobutadiene	10						
4-Chloro-3-Methylphenol	10						
2-Methylnaphthalene	10						
Hexachlorocyclopentadiene	10						
2,4,6-Trichlorophenol	10						
2,4,5-Trichlorophenol	25						
2-Chloronaphthalene	10						
2-Nitroaniline	25						
Dimethylphthalate	10						
Acenaphthylene	10						
3-Nitroaniline	25	UJ	UJ				
Acenaphthene	10						
2,4-Dinitrophenol	25			UJ	UJ	UJ	UJ
4-Nitrophenol	25						
Dibenzofuran	10						
2,4-Dinitrotoluene	10						
2,6-Dinitrotoluene	10						
Diethylphthalate	10						
4-Chlorophenylphenylether	10						
Fluorene	10						

(Continued)

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-H-VF1	RNS-GW-H-UB	RNS-GW-IS	RNS-GW-II	RNS-GW-IUB	RNS-GW-IUB-108
Laboratory Sample Number		S225	S226	S209	S210	S207	S208
Remarks							Field Blank
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
4-Nitroaniline	25						
4,6-Dinitro-2-Methylphenol	25						
N-Nitrosodiphenylamine	10						
4-Bromophenylphenylether	10						
Hexachlorobenzene	10						
Pentachlorophenol	25						
Phenanthrene	10						
Anthracene	10						
Carbazole	10			W	W	W	W
Di-n-Butylphthalate	10						
Fluoranthene	10						
Pyrene	10						
Butylbenzylphthalate	10						
3,3'-Dichlorobenzidine	10	W	W	W	W	W	W
Benzo(a)anthracene	10						
bis(2-Ethylhexyl)phthalate	10				10 U	10 U	
Chrysene	10						
Di-n-Octylphthalate	10						
Benzo(b)fluoranthene	10						
Benzo(k)fluoranthene	10						
Benzo(a)pyrene	10						
Indeno(1,2,3-cd)pyrene	10						
Dibenz(a,h)anthracene	10						
Benzo(g,h,i)perylene	10						
3,4-Dichloronitrobenzene	25						
Diphenylsulfone	10						
Quantitation Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		02/09/93	02/09/93	02/08/93	02/08/93	02/08/93	02/08/93
Date Sample Received by Laboratory		02/11/93	02/11/93	02/10/93	02/10/93	02/10/93	02/10/93
Date Sample Extracted		02/12/93	02/12/93	02/11/93	02/11/93	02/11/93	02/11/93
Date of Sample Analysis		03/10/93	03/10/93	03/06/93	03/06/93	03/06/93	03/06/93
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-I-LB	RNS-GW-JVF2	RNS-GW-JVF3	RNS-GW-JVF4	RNS-GW-JLB	RNS-GW-KVF2
Laboratory Sample Number		S222	S241	S242	S243	S244	S204
Remarks							
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation						
	Limit (Aq)						
Phenol	10		2 J		1 J		
bis(2-Chloroethyl)ether	10						
2-Chlorophenol	10						
1,3-Dichlorobenzene	10						
1,4-Dichlorobenzene	10						
1,2-Dichlorobenzene	10						
2-Methylphenol	10						
2,2-Oxybis(1-Chloropropane)	10						
4-Methylphenol	10						
N-Nitroso-di-n-Propylamine	10					UJ	
Hexachloroethane	10						
Nitrobenzene	10						
Isophorone	10						
2-Nitrophenol	10						
2,4-Dimethylphenol	10						
bis(2-Chloroethoxy)methane	10						
2,4-Dichlorophenol	10						
1,2,4-Trichlorobenzene	10					UJ	
Naphthalene	10						
4-Chloroaniline	10						
Hexachlorobutadiene	10						
4-Chloro-3-Methylphenol	10						
2-Methylnaphthalene	10						
Hexachlorocyclopentadiene	10						
2,4,6-Trichlorophenol	10						
2,4,5-Trichlorophenol	25						
2-Chloronaphthalene	10						
2-Nitroaniline	25						
Dimethylphthalate	10						
Acenaphthylene	10						
3-Nitroaniline	25	UJ	UJ	UJ	UJ		
Acenaphthene	10						
2,4-Dinitrophenol	25					UJ	
4-Nitrophenol	25						
Dibenzofuran	10						
2,4-Dinitrotoluene	10						
2,6-Dinitrotoluene	10						
Diethylphthalate	10						
4-Chlorophenylphenylether	10						
Fluorene	10						

(Continued)

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-I-LB	RNS-GW-JVF2	RNS-GW-JVF3	RNS-GW-JVF4	RNS-GW-JLB	RNS-GW-KVF2
Laboratory Sample Number		S222	S241	S242	S243	S244	S204
Remarks							
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
4-Nitroaniline	25						
4,6-Dinitro-2-Methylphenol	25						
N-Nitrosodiphenylamine	10						
4-Bromophenylphenylether	10						
Hexachlorobenzene	10						
Pentachlorophenol	25						
Phenanthrene	10						
Anthracene	10						
Carbazole	10						
Di-n-Butylphthalate	10						
Fluoranthene	10						
Pyrene	10						
Butylbenzylphthalate	10						
3,3'-Dichlorobenzidine	10	UJ	UJ	UJ	UJ	UJ	UJ
Benzo(a)anthracene	10						
bis(2-Ethylhexyl)phthalate	10	10 U		1 J	1 J		UJ
Chrysene	10						
Di-n-Octylphthalate	10						
Benzo(b)fluoranthene	10						
Benzo(k)fluoranthene	10						
Benzo(a)pyrene	10						
Indeno(1,2,3-cd)pyrene	10						
Dibenz(a,h)anthracene	10						
Benzo(g,h,i)perylene	10						
3,4-Dichloronitrobenzene	25						
Diphenylsulfone	10						
Quantitation Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		02/10/93	02/09/93	02/09/93	02/09/93	02/09/93	02/09/93
Date Sample Received by Laboratory		02/11/93	02/16/93	02/16/93	02/16/93	02/16/93	02/10/93
Date Sample Extracted		02/12/93	02/17/93	02/17/93	02/17/93	02/17/93	02/11/93
Date of Sample Analysis		03/09/93	03/12/93	03/12/93	03/12/93	03/11/93	03/05/93
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-KVF4	RNS-GW-KLB	RNS-GW-KVF5	RNS-GW-LVF1	RNS-GW-LVF2	RNS-GW-LVF3	RNS-GW-LLB
Laboratory Sample Number		S205	S206	S215	S249	S238	S239	S240
Remarks				Duplicate of R			Duplicate of R	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation							
	Limit (Aq)							
Phenol	10	10 U	10 U			7 J	1 J	
bis(2-Chloroethyl)ether	10							
2-Chlorophenol	10					2 J		
1,3-Dichlorobenzene	10							
1,4-Dichlorobenzene	10							
1,2-Dichlorobenzene	10					1 J		
2-Methylphenol	10							
2,2-Oxybis(1-Chloropropane)	10							
4-Methylphenol	10							
N-Nitroso-di-n-Propylamine	10					1 J		
Hexachloroethane	10							
Nitrobenzene	10							
Isophorone	10							
2-Nitrophenol	10							
2,4-Dimethylphenol	10							
bis(2-Chloroethoxy)methane	10					2 J		
2,4-Dichlorophenol	10							
1,2,4-Trichlorobenzene	10							
Naphthalene	10							
4-Chloroaniline	10							
Hexachlorobutadiene	10					2 J		
4-Chloro-3-Methylphenol	10							
2-Methylnaphthalene	10							
Hexachlorocyclopentadiene	10							
2,4,6-Trichlorophenol	10							
2,4,5-Trichlorophenol	25							
2-Chloronaphthalene	10							
2-Nitroaniline	25							
Dimethylphthalate	10							
Acenaphthylene	10							
3-Nitroaniline	25				W			W
Acenaphthene	10							
2,4-Dinitrophenol	25		W	W		W	W	
4-Nitrophenol	25							
Dibenzofuran	10							
2,4-Dinitrotoluene	10							
2,6-Dinitrotoluene	10							
Diethylphthalate	10							
4-Chlorophenylphenylether	10							
Fluorene	10							

(Continued)

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-KVF4	RNS-GW-KLB	RNS-GW-KVF5	RNS-GW-LVF1	RNS-GW-LVF2	RNS-GW-LVF3	RNS-GW-LLB
Laboratory Sample Number		S205	S206	S215	S249	S238	S239	S240
Remarks				Duplicate of R			Duplicate of R	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)							
4-Nitroaniline	25							
4,6-Dinitro-2-Methylphenol	25							
N-Nitrosodiphenylamine	10							
4-Bromophenylphenylether	10							
Hexachlorobenzene	10							
Pentachlorophenol	25							
Phenanthrene	10							
Anthracene	10							
Carbazole	10		W	W				
Di-n-Butylphthalate	10							
Fluoranthene	10							
Pyrene	10							
Butylbenzylphthalate	10		1 J	1 J				
3,3'-Dichlorobenzidine	10	W	W	W	W	W	W	W
Benzo(a)anthracene	10							
bis(2-Ethylhexyl)phthalate	10	10 U	10 U	10 U				11
Chrysene	10							
Di-n-Octylphthalate	10							
Benzo(b)fluoranthene	10							
Benzo(k)fluoranthene	10							
Benzo(a)pyrene	10							
Indeno(1,2,3-cd)pyrene	10							
Dibenz(a,h)anthracene	10							
Benzo(g,h,i)perylene	10							
3,4-Dichloronitrobenzene	25							
Diphenylsulfone	10							
Quantitation Limit Multiplier		1	1	1	1	1	1	1
Date of Sample Collection		02/09/93	02/09/93	02/09/93	02/09/93	02/09/93	02/09/93	02/09/93
Date Sample Received by Laboratory		02/10/93	02/10/93	02/10/93	02/17/93	02/16/93	02/16/93	02/16/93
Date Sample Extracted		02/11/93	02/11/93	02/11/93	02/17/93	02/17/93	02/17/93	02/17/93
Date of Sample Analysis		03/05/93	03/06/93	03/06/93	03/12/93	03/11/93	03/11/93	03/12/93
Instrument Used for Analysis		TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

ROUND 2

TENTATIVELY IDENTIFIED COMPOUNDS
SEMIVOLATILES

EXTRACTABLE ORGANIC ANALYSIS							
ERM-Mid[illegible]le Number	RNS-GW-CS	RNS-GW-CUB[illegible]	[illegible]N-DVF2	RNS-GW-DVF3	RNS-GW-KVF2	RNS-GW-KVF3	[illegible]LB
Laboratory Sample Number	S200	S201	S202RE	S203	S204	S205	S206
Remarks							
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS							
UNK. ALIPHATIC HYDROCARB (31.16)	7 R			5 R	4 R	3 R	
UNK. ALIPHATIC HYDROCARB (8.77)	6 R		5 R				
UNK. ALIPHATIC HYDROCARB (30.25)	4 R			4 R	3 R		
UNK. ALIPHATIC HYDROCARB (29.39)	2 R						
2-CYCLOHEXEN-1-ONE (29.39)	2 R			2 R			
UNK DICHLOROSULFONATED BENZ. (28.49)	2 R						
UNK. CYCLOPENTANOL SUBS. (9.39)		16 R					9 R
UNK AROMATIC (22.78)		9 J					
UNK. CYCLOPENTENEOL (9.51)		4 J					
UNK. ALIPHATIC HYDROCARB (12.34)		3 J					4 J
UNK ALIPHATIC (8.38)		3 J					
UNK. TRIPHENYLPHOSPHINE (31.20)		3 J					
DECANOIC ACID (17.78)		2 J			4 J	4 J	4 J
BENZENESULFONAMIDE (20.89)			440 J				
UNK. ALIPHATIC HYDROCARB (14.54)			4 J				
2-CYCLOHEXEN-1-ONE (10.38)			4 R	4 R			
UNK CYCLOHEXENOL (9.39)			2 R	3 R	2 R		
UNK. ALIPHATIC (8.79)				8 R	6 R		
UNK. CYCLOHEXANDIOL (13.01)				4 J			
UNK. CYCLOHEXANOL SUBS (12.43)				3 J			
BENZENESULFONAMIDE (20.64)				3 J			
UNK AROMATIC (26.44)				2 J			
UNK ALIPHATIC (10.44)					3 R		
MIX UNK ALIPHATIC HYD SIL (30.25)						2 R	7 R
CYCLIC ALCOHOL (9.39)						19 R	
UNK ALIPHATIC HYDROCARB (9.51)						7 J	8 J
UNK CARBOXYLIC ACID (20.52)							9 J
MIX UNK ALIPHATIC HYDRO SILA (31.17)							6 R
MIX UNK ALIPHATIC HYDRO SILA (32.21)							4 R
MIX UNK ALIPHATIC HYDRO SILA (29.40)							3 R
MIX UNK ALIPHATIC HYDRO SILA (33.41)							2 R
SULFUR, MOL. (S8) (26.12)							
UNK TMS DERIVATIVE (14.45)							
1,2-CYCLOHEXANEDIOL (13.01)							
CYCLOPENTASILOXANE, DECAMETH (14.45)							
MIX UNK ALIPHATICS (9.43)							
UNK ALIPHATIC (33.88)							
UNK ALIPHATIC (15.66)							
UNK. TRIPHENYLPHOSPH COM (31.09)							
UNK DICHLOROSULFONATED BENZ. (28.49)							
UNK CYCLIC ALIPHATIC (8.72)							

EXTRACTABL RGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-GW-IUB	RNS-GW-IUB-108	RNS-GW-IS	RNS-GW-II	RNS-GW-EVF1	RNS-GW-EVF3	RNS-GW-EVF4
Laboratory Sample Number	S207	S208	S209	S210	S211	S213RE	S214
Remarks		Field Blank					
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS							
UNK ALIPHATIC HYDROCARB (31 16)			3 R				
UNK ALIPHATIC HYDROCARB (8 77)						6 R	
UNK. ALIPHATIC HYDROCARB (30 25)			3 R				
UNK ALIPHATIC HYDROCARB (29 39)							
2-CYCLOHEXEN-1-ONE (29.39)							
UNK DICHLOROSULFONATED BENZ. (28 49)							
UNK CYCLOPENTANOL SUBS. (9.39)		9 J					
UNK AROMATIC (22 78)							
UNK CYCLOPENTENEOL (9 51)							
UNK. ALIPHATIC HYDROCARB (12 34)							
UNK ALIPHATIC (8 38)							
UNK. TRIPHENYLPHOSPHINE (31 20)							
DECANOIC ACID (17 78)							
BENZENESULFONAMIDE (20 89)							
UNK ALIPHATIC HYDROCARB (14.54)							
2-CYCLOHEXEN-1-ONE (10 38)	4 R		5 R	4 R	3 R	3 R	2 R
UNK CYCLOHEXENOL (9 39)	3 R		4 R	3 R			
UNK ALIPHATIC (8 79)	6 R		6 R	7 R	8 R		
UNK CYCLOHEXANDIOL (13 01)							
UNK. CYCLOHEXANOL SUBS (12.43)			3 J	3 J			
BENZENESULFONAMIDE (20.64)							
UNK AROMATIC (26.44)							
UNK ALIPHATIC (10.44)							
MIX UNK ALIPHATIC HYD SIL (30.25)				3 R	3 R		5 R
CYCLIC ALCOHOL (9.39)							
UNK ALIPHATIC HYDROCARB (9.51)							
UNK CARBOXYLIC ACID (20.52)							
MIX UNK ALIPHATIC HYDRO SILA (31.17)				3 R	3 R		5 R
MIX UNK ALIPHATIC HYDRO SILA (32.21)							3 R
MIX UNK ALIPHATIC HYDRO SILA (29.40)					2 R		3 R
MIX UNK ALIPHATIC HYDRO SILA (33.41)							
SULFUR, MOL. (S8) (26.12)		1800 J					
UNK TMS DERIVATIVE (14.45)			2 J				
1,2-CYCLOHEXANEDIOL (13.01)							6 J
CYCLOPENTASILOXANE, DECAMETH (14.45)							
MIX UNK ALIPHATICS (9.43)							
UNK ALIPHATIC (33.88)							
UNK ALIPHATIC (15.66)							
UNK. TRIPHENYLPHOSPH COM (31.09)							
UNK DICHL LFONATED BENZ. (28.49)							
UNK CYCLIC ATIC (8.72)							

EXTRACT[illegible]GANIC ANALYSIS						
ERM-Mid[illegible]le Number	RNS-GW-KVF5	RNS-GW-EVF[illegible]	[illegible]W-ELB	RNS-GW-I-LB	RNS-GW-C-LB	RNS-GW-EVF2R
Laboratory Sample Number	S215	S217	S218	S222	S221	S307
Remarks	Duplicate of RNS-GW-KLB	Duplicate of RNS-GW-EVF3				
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS						
UNK. ALIPHATIC HYDROCARB (31.16)						
UNK. ALIPHATIC HYDROCARB (8.77)			10 R	4 R	6 R	
UNK. ALIPHATIC HYDROCARB (30.25)						
UNK. ALIPHATIC HYDROCARB (29.39)						
2-CYCLOHEXEN-1-ONE (29.39)						
UNK DICHLOROSULFONATED BENZ. (28.49)						
UNK. CYCLOPENTANOL SUBS. (9.39)						
UNK AROMATIC (22.78)						
UNK. CYCLOPENTENEOL (9.51)						
UNK. ALIPHATIC HYDROCARB (12.34)						
UNK ALIPHATIC (8.38)						
UNK. TRIPHENYLPHOSPHINE (31.20)						
DECANOIC ACID (17.78)	2 J		2 J			
BENZENESULFONAMIDE (20.89)						
UNK. ALIPHATIC HYDROCARB (14.54)						
2-CYCLOHEXEN-1-ONE (10.38)	2 R	3 R	4 R		3 R	
UNK CYCLOHEXENOL (9.39)		2 R	3 R			
UNK. ALIPHATIC (8.79)	5 R	9 R				
UNK. CYCLOHEXANDIOL (13.01)						
UNK. CYCLOHEXANOL SUBS (12.43)						
BENZENESULFONAMIDE (20.64)						
UNK AROMATIC (26.44)						
UNK ALIPHATIC (10.44)						
MIX UNK ALIPHATIC HYD SIL (30.25)		4 R				
CYCLIC ALCOHOL (9.39)						3 R
UNK ALIPHATIC HYDROCARB (9.51)						
UNK CARBOXYLIC ACID (20.52)	7 J					
MIX UNK ALIPHATIC HYDRO SILA (31.17)		3 R				
MIX UNK ALIPHATIC HYDRO SILA (32.21)						
MIX UNK ALIPHATIC HYDRO SILA (29.40)		3 R				
MIX UNK ALIPHATIC HYDRO SILA (33.41)						
SULFUR, MOL. (S8) (26.12)						
UNK TMS DERIVATIVE (14.45)						
1,2-CYCLOHEXANEDIOL (13.01)						
CYCLOPENTASILOXANE, DECAMETH (14.45)		3 R				
MIX UNK ALIPHATICS (9.43)					5 J	
UNK ALIPHATIC (33.88)					4 J	
UNK ALIPHATIC (15.66)					3 J	
UNK. TRIPHENYLPHOSPH COM (31.09)					3 J	
UNK DICHLOROSULFONATED BENZ. (28.49)						
UNK CYCLIC ALIPHATIC (8.72)						

EXTRACTABL[illegible] RGANIC ANALYSIS

ERM-Midwest Sam[illegible] umber	RNS-GW-DLBA	RNS-GW-H-S	RNS-GW-H-V.	RNS-GW-H-UB	RNS-GW-D18	RNS-GW-FVF3	RNS-GW-FVF4	RNS-GW-FVF6	[illegible]-GW-FLBA
Laboratory Sample Number	8221	8224	8225	8226	8227	8228	8229	8230	8231
Remarks									
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
UNK. ALIPHATIC ALCOHOL (11.82)	4 J	5 J							
UNK. ALIPHATIC (8.75)	4 J								
UNK. CARB ACID (16.28)	4 J								
UNK. ALIPHATIC AMINE (8.75)		9 R		8 R	5 R	10 R	6 R	6 R	7 R
UNK. ALIPHATIC (10.42)		3 R							
UNK. CYCLOHEXENOL (9.43)		2 R				3 R			2 R
UNK. NITROALIPHATIC (13.46)									
2-CYCLOHEXEN-1-ONE (10.35)				3 R	3 R	4 R	3 R	3 R	3 R
BENZENESULFONAMIDE (20.53)				3 J		27 J			
DECANOIC ACID (17.69)						5 J			
UNK. ALIPHATIC (14.52)						2 J			
BENZENESULFONAMIDE (20.85)									
UNK. CARB ACID (17.76)									
MIX UNKS. (10.18)									
ETHANE, PENTACHLORO- (11.43)									
UNK. ALIPHATIC (13.24)									
BENZENESULFONAMIDE (20.72)									
UNK. BROMINATED ALI. (13.97)									
UNK. ALIPHATIC (12.42)									
TRICHLOROBENZENE (10.42)									
UNK. ALIPHATIC (10.47)									
UNK. ALIPHATIC (8.38)									
POLYCHLORINATED ALIPH. (23.57)									
UNKKNOWN (15.78)									
UNK. ALIPHATIC CHLORINATED (14.68)									
UNK. ALIPHATIC CHLORINATED (14.74)									
UNK. ALIPHATIC HYDROCARB (30.23)									
MIX UNK. ALIPHA HYDRO+SILANE (31.14)									
UNK. ALIPHATIC + SILANE (32.17)									
UNK. ALIPHATIC + SILANE (29.37)									
UNK. ALIPHATIC + SILANE (28.48)									
MIX UNK CYCLOHEXENOL+UNK (9.43)									
UNK C6 CYCLIC (13.23)									
PHENYL SUB AMINO NATHYENE (26.42)									
CYCLOALKYL/AMINE/CYCLOHEX. (9.42)									
CYCLOALKYL/AMINE/CYCLOHEX. (11.89)									
UNK. ALIPH. HYDROCARB + SILANE (30.23)									
UNK. ALIPH. HYDROCARB + SILANE (31.14)									
UNK. ALIPHATIC HYDROCARB (29.38)									
UNK. ALIP[illegible] (13.23)									

EXTRACTABL[illegible]RGANIC ANALYSIS

ERM-Midw[illegible]nber	RNS-GW-D10	RNS-GW-FVF3-10	RN[illegible]	RNS-GW-AUB	RNS-GW-AVF1	RNS-GW-LVF2	RNS-GW-LVF3	RN[illegible]	RNS-GW-JVF2
Laboratory [illegible]er	S232	S233	S235	S236	S237	S238	S239	S240	S241
Remarks		Field Blank			Duplicate of RNS-GW-AUB		Duplicate of RNS-GW-LVF2		
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
UNK. ALIPHATIC ALCOHOL (11.82)									
UNK. ALIPHATIC (8.75)									
UNK. CARB ACID (16.28)									
UNK. ALIPHATIC AMINE (8.75)	7 R	9 J	7 R	5 R	4 R		5 R	7 R	9 R
UNK. ALIPHATIC (10.42)							2 R		
UNK. CYCLOHEXENOL (9.43)		2 J							
UNK. NITROALIPHATIC (13.46)									
2-CYCLOHEXEN-1-ONE (10.35)	4 R	3 J						4 R	3 R
BENZENESULFONAMIDE (20.53)									
DECANOIC ACID (17.69)									
UNK. ALIPHATIC (14.52)									
BENZENESULFONAMIDE (20.85)			410 J	280 J	280 J		140 J		49 J
UNK. CARB ACID (17.76)				3 J					
MIX UNKS. (10.18)						1600 J			
ETHANE, PENTACHLORO- (11.43)						99 J			
UNK. ALIPHATIC (13.24)						79 J			
BENZENESULFONAMIDE (20.72)						78 J			
UNK. BROMINATED ALI. (13.97)						78 J			
UNK. ALIPHATIC (12.42)						30 J			
TRICHLOROBENZENE (10.42)						30 J			
UNK. ALIPHATIC (10.47)						12 R			
UNK. ALIPHATIC (8.38)						7 J			
POLYCHLORINATED ALIPH. (23.57)						5 J			
UNKKNOWN (15.78)						3 J			
UNK. ALIPHATIC CHLORINATED (14.68)						2 J			
UNK. ALIPHATIC CHLORINATED (14.74)						2 J			
UNK. ALIPHATIC HYDROCARB (30.23)								8 J	
MIX UNK. ALIPHA HYDRO+SILANE (31.14)								6 J	
UNK. ALIPHATIC + SILANE (32.17)								4 J	
UNK. ALIPHATIC + SILANE (29.37)								3 J	
UNK. ALIPHATIC + SILANE (28.48)								2 J	
MIX UNK CYCLOHEXENOL+UNK (9.43)									2 J
UNK C6 CYCLIC (13.23)									
PHENYL SUB AMINO NATHYENE (26.42)									
CYCLOALKYL/AMINE/CYCLOHEX. (9.42)									
CYCLOALKYL/AMINE/CYCLOHEX. (11.89)									
UNK. ALIPH. HYDROCARB + SILANE (30.23)									
UNK. ALIPH. HYDROCARB + SILANE (31.14)									
UNK. ALIPHATIC HYDROCARB (29.38)									
UNK. ALIPHATIC (13.23)									

EXTRACTABL[illegible]RGANIC ANALYSIS				
ERM Midwest Sa[illegible] umber	RNS GW JVF3	RNS GW JVF4	RNS GW J[illegible]	RNS GW LVF1
Laboratory Sample Number	8242	8243	8244	8249
Remarks				
Units	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS				
UNK. ALIPHATIC ALCOHOL (11 82)				
UNK. ALIPHATIC (8.75)	15 R			
UNK. CARB ACID (16 28)				
UNK. ALIPHATIC AMINE (8 75)		23 R	6 R	10 R
UNK. ALIPHATIC (10 42)				
UNK. CYCLOHEXENOL (9.43)				
UNK. NITROALIPHATIC (13.46)				
2-CYCLOHEXEN-1-ONE (10 35)	4 R	4 R		
BENZENESULFONAMIDE (20 53)				
DECANOIC ACID (17 69)				
UNK. ALIPHATIC (14 52)				
BENZENESULFONAMIDE (20 85)				
UNK. CARB ACID (17 76)				
MIX UNKS (10 18)				
ETHANE, PENTACHLORO- (11 43)				
UNK. ALIPHATIC (13 24)				
BENZENESULFONAMIDE (20.72)	32 J	48 J		
UNK. BROMINATED ALI. (13 97)				
UNK. ALIPHATIC (12 42)		4 J		
TRICHLOROBENZENE (10 42)				
UNK. ALIPHATIC (10.47)			3 R	5 R
UNK. ALIPHATIC (8 38)				
POLYCHLORINATED ALIPH. (23.57)				
UNKKNOWN (15.78)				
UNK. ALIPHATIC CHLORINATED (14.68)				
UNK. ALIPHATIC CHLORINATED (14.74)				
UNK. ALIPHATIC HYDROCARB (30.23)				
MIX UNK. ALIPHA HYDRO+SILANE (31.14)				
UNK. ALIPHATIC + SILANE (32.17)				3 J
UNK. ALIPHATIC + SILANE (29.37)				3 J
UNK. ALIPHATIC + SILANE (28.48)				3 J
MIX UNK CYCLOHEXENOL+UNK (9.43)	3 J			3 J
UNK C6 CYCLIC (13.23)	3 J			
PHENYL SUB AMINO NATHYENE (26.42)		4 J		
CYCLOALKYL/AMINE/CYCLOHEX. (9.42)		3 J		
CYCLOALKYL/AMINE/CYCLOHEX. (11.89)		2 J		
UNK. ALIPH. HYDROCARB + SILANE (30.23)			5 J	7 J
UNK. ALIPH. HYDROCARB + SILANE (31.14)			4 J	7 J
UNK. ALIPHATIC HYDROCARB (29.38)			3 J	
UNK. ALIPH[illegible] (13.23)			3 J	

EXTRACTAB[illegible]GANIC ANALYSIS									
ERM-Midwest [illegible]ber	RNS-GW-B-S	RNS-GW-B-SDL	RNS[illegible]	RNS-GW-D1	RNS-GW-D5	RNS-GW-D1-110	RNS-GW-S10	RNS-G[illegible]	[illegible]NS-GW-S11DL
Laboratory Sample Number	S247	S247DL	S250	S251	S256	S252	S253	S254	S254DL
Remarks		Dilution				Field Blank			Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
BENZENESULFONAMIDE (21.47)	1800 J								
BENZENESULFONAMIDE , 4-CHLORO (22.94)	46 J							2 J	
UNK. AROMATIC (18.47)	11 J								
UNK. ALKOXYBENZENE (15.97)	8 J								
UNK. DICHLORINATED ALI. (25.65)	6 J								
UNK. BROMOBENZOIC ACID (19.26)	5 J								
UNK. BROMOBENZOIC ACID (18.91)	4 J								
CHLOROMETHYLSULFONYLBENZENE (20.31)	4 J								
UNK. ALIPHATIC AMINE (8.75)	3 R		8 R	2 R	5 R	4 J	6 R		
UNK. CHLORINATED ALHYL (19.51)	3 J								
UNK. DICHLOROPHENOL (18.69)	3 J								
BENZENESULFONAMIDE (20.87)		1900 J							
1H-INDOLE-3-ETHANOL, 5-HYDRO (22.87)		26 J							
2-CYCLOHEXEN-1-ONE (10.42)			3 R	4 R	3 R	4 J	5 R	4 R	
UNK. CYCLOHEXENOL+UNK MIX (9.42)			2 R		2 R				
BENZENESULFONAMIDE (20.69)				43 J					54 J
1,2-CYCLOHEXANDIOL (12.98)				4 R		5 J			
UNK. ALIPHATIC (13.23)				3 J		2 J			
BENZENESULFONAMIDE (20.79)							150 J		
MIX AROMATIC SPECIES (20.76)								170 J	
UNK. ALKOXYBENZENE (15.98)								92 J	
UNK. AROMATIC AMINE (8.75)								10 R	
BENZENAMINE, 3-(TRIFLUOROMET (12.75)								6 J	
UNK. DIHYDROXY SULFONATE AROM. (23.07)								5 J	
UNK. METHOXYBENZENE (17.94)								4 J	
UNK. CYCLOALKANOL (9.43)								3 J	
UNK. PHENYLSULFONYLNAPHTAL (26.42)								2 J	
2,4-IMIDAZOLIDINEDIONE,5,5- (29.70)								2 J	
UNK. NITRO PHENYL (24.72)								2 J	
UNK. PHENYLSULFONYLNAPHTAL (25.19)								2 J	
UNK. ALKOXYBENZENE (16.00)									84 J
UNK. CHLORINATED AROMATIC (20.77)									62 J
UNK. SUB. MORPHOLINE (26.75)									
UNK. SUB. MORPHOLINE (24.57)									
UNK. ALKOXY ETHANOL (11.88)									
BENZENESULFONAMIDE (21.64)									
UNK. IMADAZOLIDINDIONE (16.91)									
MIX UNK BENZENESULFONAMIDE (30.14)									
UNK. ALKYL AMINE (8.82)									
UNK. AROMATIC (26.57)									

EXTRACTABLE ' GANIC ANALYSIS

ERM-Midwest Sample . .oer	RNS GW 8 S	RNS GW 8 SDL	RNS GW 8.	RNS GW D1	RNS GW D5	RNS GW D1 110	RNS GW S10	RNS GW S11	.INS GW S11DL
Laboratory Sample Number	S247	S247DL	S250	S251	S258	S252	S253	S254	S254DL
Remarks		Dilution				Field Blank			Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
UNK. TRIFLUOROMET BENZE AMINE (12 84)									
UNK. TRIFLUOROMET BENZE AMINE (11.51)									
UNK. ALIPHATIC AMINE (8 82)									
BENZENESULFONAMIDE UNK CHLOR (22 98)									
IMIDAZOLIDINEDIONE UNK SUBS (16.84)									
UNK. CYCLOHEXENOL (9 49)									
UNK. CYCLIC HYDROCARB/UNK SUB (12.47)									
UNK. CYCLOHEXANOL (12 41)									
UNK CYCLOHEXANOL (12 47)									
BENZENESULFONAMIDE (21 06)									
UNK. PHENYL (15.97)									
UNK. TRIFLUOROMET BENZENAMINE (12.75)									
UNK ALIPHATIC AMINE (8 76)									
UNK. ALKOXYBENZENE (16 00)									
UNK. CYCLOHEXYL (12.47)									
BENZENESULFONAMIDE (21 34)									
UNK. ALKOXYBENZENE (16 01)									
BENZENESULFONAMIDE , N- (PHENYL (30 11)									
UNK CHLOR NAPHTAYLENE/BIPHEN (26.38)									
UNK CYCLI ALCOHOL (9 39)									
METHANONE, DIPHENYL (21 85)									
BENZENE, 1,1'-SULFONYLBIS (25.55)									
UNK. SULFONATED BENZENE (20.83)									
UNK. ALKOXYBENZENE (16.05)									
UNK. TRIFLUOROMET BENZENAMINE (12.82)									
UNK. ALIPHATIC AMINE (8.82)									
CHLORINATED ALKOXYBIPHENYL (26.41)									
UNK. CYCLOHEXENOL (9.50)									
2-CYCLOHEXEN-1-ONE (10.50)									
UNK. BENZENEAMINE/UNK SUBSTIT (24.85)									
METHANONE, DIPHENYL- (21.89)									
UNK. ALKOXYETHANOL (11.90)									
BENZENAMINE, 2- (TRIFLUOROMET) (11.51)									
MIX BENZENESULFONAMIDE/CHLOR (21.55)									
UNK. ALKOXYBENZENE (16.05)									
UNK. TRIFLUOROMET BENZENAMINE (12.82)									
UNK. ALIPHATIC AMINE (8.82)									
UNK. CHLORINATED NAPTHYLENE (26.41)									
2-CYCLOHEXEN-1-ONE (10.49)									
UNK. ALIPH 26.91)									

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest [illegible]	RNS-GW-B-S	RNS-GW-B-SDL	R[illegible]	RNS-GW-D1	RNS-GW-D5	RNS-GW-D1-110	RNS-GW-S10	RNS[illegible]	RNS-GW-S11DL
Laboratory Sample No.	S247	S247DL	[illegible]	S251	S256	S252	S253	[illegible]	S254DL
Remarks		Dilution				Field Blank			Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
1,2-CYCLOHEXANDIOL (13.05)									
METHANONE, DIPHENYL (21.90)									
UNK. CYCLOHEXENOL (9.50)									
UNK. ALIPHATIC (31.34)									
UNK BENZENEAMINE/UNK. SUBS (24.86)									
UNK TRIFLUOROMETHYL ANLINE (11.51)									
UNK. ALKOXYETHANOL (11.90)									
UNK. ALIPHATIC ACID (17.83)									
BENZENESULFONAMIDE, 4-CHLORO (23.04)									
BENZENESULFONAMIDE (20.89)									
UNK. ALKOXYBENZENE (16.01)									
UNK. TRIFLUOROMET BENZAMINE (12.79)									

EXTRACTABLE [illegible]BANIC ANALYSIS

ERM Midwest Sample [illegible]ber	RNS GW D18	RNS GW S4	RNS GW D4	RNS GW S1	RNS GW D3	RNS GW S16	RNS GW D9	RNS GW S3	[illegible] GW D7
Laboratory Sample Number	S257	S258	S259	S260	S261	S263	S264	S265	S266
Remarks	Duplicate of RNS-GW-D5								
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
BENZENESULFONAMIDE (21.47)									
BENZENESULFONAMIDE , 4-CHLORO (22.94)									
UNK AROMATIC (18.47)									
UNK. ALKOXYBENZENE (15.97)									
UNK. DICHLORINATED ALI. (25.65)									
UNK. BROMOBENZOIC ACID (19.26)									
UNK BROMOBENZOIC ACID (18.91)									
CHLOROMETHYLSULFONYLBENZENE (20.31)									
UNK ALIPHATIC AMINE (8.75)	7 R	6 R	3 R	7 R			13 R	6 R	
UNK CHLORINATED ALHYL (19.51)									
UNK DICHLOROPHENOL (18.69)									
BENZENESULFONAMIDE (20.87)									
1H-INDOLE-3-ETHANOL, 5-HYDRO (22.87)									
2-CYCLOHEXEN-1-ONE (10.42)	4 R	3 R	3 R	5 R	3 R	6 R	4 R	5 R	3 R
UNK CYCLOHEXENOL+UNK MIX (9.42)	4 R	2 R		3 R			3 R		2 R
BENZENESULFONAMIDE (20.69)									
1,2-CYCLOHEXANDIOL (12.98)	2 R		3 R			3 R	2 R		
UNK ALIPHATIC (13.23)									
BENZENESULFONAMIDE (20.79)								40 J	
MIX AROMATIC SPECIES (20.76)									
UNK ALKOXYBENZENE (15.98)									
UNK. AROMATIC AMINE (8.75)									
BENZENAMINE, 3-(TRIFLUOROMET (12.75)									
UNK. DIHYDROXY SULFONATE AROM. (23.07)									
UNK. METHOXYBENZENE (17.94)									
UNK. CYCLOALKANOL (9.43)									
UNK. PHENYLSULFONYLNAPHTAL (26.42)									
2,4-IMIDAZOLIDINEDIONE,5,5- (29.70)									
UNK. NITRO PHENYL (24.72)									
UNK. PHENYLSULFONYLNAPHTAL (25.19)									
UNK. ALKOXYBENZENE (16.00)									
UNK. CHLORINATED AROMATIC (20.77)									
UNK. SUB. MORPHOLINE (26.75)				4 J					
UNK. SUB. MORPHOLINE (24.57)				3 J					
UNK. ALKOXY ETHANOL (11.88)				2 J					
BENZENESULFONAMIDE (21.64)					2100 J	2000 J			
UNK. IMADAZOLIDINDIONE (16.91)					14 J				
MIX UNK BENZENESULFONAMIDE (30.14)					10 J				
UNK. ALKYL AMINE (8.82)					4 R				
UNK. AROM[illegible] (26.57)					2 J				

EXTRACTABL[illegible]GANIC ANALYSIS

ERM-Midwest [illegible]ber	RNS-GW-D18	RNS-GW-S4	RNS-G[illegible]	RNS-GW-S1	RNS-GW-D3	RNS-GW-S16	RNS-GW-D9	RNS-GW-S[illegible]	[illegible]GW-D7
Laboratory Sam[illegible]ber	S257	S258	S26[illegible]	S260	S261	S263	S264	S265	S266
Remarks	Duplicate of RNS-GW-D5								
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
UNK. TRIFLUOROMET BENZE AMINE (12.84)						170 J			
UNK. TRIFLUOROMET BENZE AMINE (11.51)						29 J			
UNK. ALIPHATIC AMINE (8.82)						10 R			
BENZENESULFONAMIDE UNK CHLOR (22.98)						5 J			
IMIDAZOLIDINEDIONE UNK SUBS (16.84)						5 J			
UNK. CYCLOHEXENOL (9.49)						4 J		2 J	
UNK. CYCLIC HYDROCARB/UNK SUB (12.47)						4 J			
UNK. CYCLOHEXANOL (12.41)							2 J		
UNK. CYCLOHEXANOL (12.47)								3 J	
BENZENESULFONAMIDE (21.06)									570 J
UNK. PHENYL (15.97)									15 J
UNK. TRIFLUOROMET BENZENAMINE (12.75)									10 J
UNK ALIPHATIC AMINE (8.76)									8 R
UNK. ALKOXYBENZENE (16.00)									
UNK. CYCLOHEXYL (12.47)									
BENZENESULFONAMIDE (21.34)									
UNK. ALKOXYBENZENE (16.01)									
BENZENESULFONAMIDE , N- (PHENYL (30.11)									
UNK CHLOR NAPHTAYLENE/BIPHEN (26.38)									
UNK CYCLI ALCOHOL (9.39)									
METHANONE, DIPHENYL (21.85)									
BENZENE, 1,1'-SULFONYLBIS (25.55)									
UNK. SULFONATED BENZENE (20.83)									
UNK. ALKOXYBENZENE (16.05)									
UNK. TRIFLUOROMET BENZENAMINE (12.82)									
UNK. ALIPHATIC AMINE (8.82)									
CHLORINATED ALKOXYBIPHENYL (26.41)									
UNK. CYCLOHEXENOL (9.50)									
2-CYCLOHEXEN-1-ONE (10.50)									
UNK. BENZENEAMINE/UNK SUBSTIT (24.85)									
METHANONE, DIPHENYL- (21.89)									
UNK. ALKOXYETHANOL (11.90)									
BENZENAMINE, 2- (TRIFLUOROMET) (11.51)									
MIX BENZENESULFONAMIDE/CHLOR (21.55)									
UNK. ALKOXYBENZENE (16.05)									
UNK. TRIFLUOROMET BENZENAMINE (12.82)									
UNK. ALIPHATIC AMINE (8.82)									
UNK. CHLORINATED NAPTHYLENE (26.41)									
2-CYCLOHEXEN-1-ONE (10.49)									
UNK. ALIPHATIC (26.91)									

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-GW-D18	RNS-GW-S4	RNS-GW-D4	RNS-GW-S1	RNS-GW-D3	RNS-GW-S16	RNS-GW-D9	RNS-GW-S3	[illegible]-GW-D7
Laboratory Sample Number	S257	S258	S259	S260	S261	S263	S264	S265	S266
Remarks	Duplicate of RNS-GW-D5								
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
1,2-CYCLOHEXANDIOL (13.05)									
METHANONE, DIPHENYL (21.90)									
UNK. CYCLOHEXENOL (9.50)									
UNK. ALIPHATIC (31.34)									
UNK BENZENEAMINE/UNK. SUBS (24.86)									
UNK TRIFLUOROMETHYL ANLINE (11.51)									
UNK. ALKOXYETHANOL (11.90)									
UNK. ALIPHATIC ACID (17.83)									
BENZENESULFONAMIDE, 4-CHLORO (23.04)									
BENZENESULFONAMIDE (20.89)									
UNK. ALKOXYBENZENE (16.01)									
UNK. TRIFLUOROMET BENZAMINE (12.79)									

EXTRACTAB[illegible]GANIC ANALYSIS

ERM-Midwe[illegible]ber	RNS-GW-D7DL	RNS-GW-S14	R[illegible]	RNS-GW-S20	RNS-GW-S20DL	RNS-GW-D8	RNS-GW-D8DL
Laboratory S[illegible] Number	S266DL	S269	[illegible]	S273	S273DL	S274	S274DL
Remarks	Dilution			Duplicate of RNS-GW-S17	Dilution		Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS							
BENZENESULFONAMIDE (21.47)							
BENZENESULFONAMIDE , 4-CHLORO (22.94)							
UNK. AROMATIC (18.47)							
UNK. ALKOXYBENZENE (15.97)							
UNK. DICHLORINATED ALI. (25.65)							
UNK. BROMOBENZOIC ACID (19.26)							
UNK. BROMOBENZOIC ACID (18.91)							
CHLOROMETHYLSULFONYLBENZENE (20.31)							
UNK. ALIPHATIC AMINE (8.75)		13 R					
UNK. CHLORINATED ALHYL (19.51)							
UNK. DICHLOROPHENOL (18.69)							
BENZENESULFONAMIDE (20.87)	600 J						
1H-INDOLE-3-ETHANOL, 5-HYDRO (22.87)							
2-CYCLOHEXEN-1-ONE (10.42)		5 R					
UNK. CYCLOHEXENOL+UNK MIX (9.42)							
BENZENESULFONAMIDE (20.69)					1200 J		
1,2-CYCLOHEXANDIOL (12.98)							
UNK. ALIPHATIC (13.23)							
BENZENESULFONAMIDE (20.79)							
MIX AROMATIC SPECIES (20.76)							
UNK. ALKOXYBENZENE (15.98)					67 J		
UNK. AROMATIC AMINE (8.75)							
BENZENAMINE, 3-(TRIFLUOROMET (12.75)							
UNK. DIHYDROXY SULFONATE AROM. (23.07)							
UNK. METHOXYBENZENE (17.94)							
UNK. CYCLOALKANOL (9.43)							
UNK. PHENYLSULFONYLNAPHTAL (26.42)							
2,4-IMIDAZOLIDINEDIONE,5,5- (29.70)							
UNK. NITRO PHENYL (24.72)							
UNK. PHENYLSULFONYLNAPHTAL (25.19)							
UNK. ALKOXYBENZENE (16.00)							
UNK. CHLORINATED AROMATIC (20.77)							
UNK. SUB. MORPHOLINE (26.75)							
UNK. SUB. MORPHOLINE (24.57)							
UNK. ALKOXY ETHANOL (11.88)							
BENZENESULFONAMIDE (21.64)							
UNK. IMADAZOLIDINDIONE (16.91)							
MIX UNK BENZENESULFONAMIDE (30.14)							
UNK. ALKYL AMINE (8.82)							
UNK. AROMATIC (26.57)							

EXTRACTABLE ORGANIC ANALYSIS

ERM Midwest Sample Number	RNS-GW-D7DL	RNS-GW-S14	RNS-GW-S1	RNS-GW-S20	RNS-GW-S20DL	RNS-GW-D8	RNS-GW-D8DL
Laboratory Sample Number	S266DL	S269	S272RE	S273	S273DL	S274	S274DL
Remarks	Dilution			Duplicate of RNS-GW-S17	Dilution		Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS							
UNK TRIFLUOROMET BENZE AMINE (12.84)	9 J						
UNK. TRIFLUOROMET BENZE AMINE (11.51)			3 J				
UNK ALIPHATIC AMINE (8.82)	8 R						
BENZENESULFONAMIDE UNK CHLOR (22.98)							
IMIDAZOLIDINEDIONE UNK SUBS (16.84)							
UNK. CYCLOHEXENOL (9.49)		5 J					
UNK. CYCLIC HYDROCARB/UNK SUB (12.47)							
UNK CYCLOHEXANOL (12.41)							
UNK. CYCLOHEXANOL (12.47)							
BENZENESULFONAMIDE (21.06)							
UNK PHENYL (15.97)							
UNK. TRIFLUOROMET BENZENAMINE (12.75)			31 J				
UNK ALIPHATIC AMINE (8.76)							
UNK. ALKOXYBENZENE (16.00)	13 J						
UNK. CYCLOHEXYL (12.47)		3 J					
BENZENESULFONAMIDE (21.34)			1400 J	1100 J			
UNK. ALKOXYBENZENE (16.01)			58 J				
BENZENESULFONAMIDE, N- (PHENYL (30.11)			13 J				
UNK CHLOR NAPHTAYLENE/BIPHEN (26.38)			9 J				
UNK CYCLI ALCOHOL (9.39)			3 J				
METHANONE, DIPHENYL (21.85)			2 J				
BENZENE, 1,1'-SULFONYLBIS (25.55)				320 J			
UNK. SULFONATED BENZENE (20.83)				190 J			
UNK. ALKOXYBENZENE (16.05)				72 J			
UNK. TRIFLUOROMET BENZENAMINE (12.82)				35 J			
UNK. ALIPHATIC AMINE (8.82)				14 J			
CHLORINATED ALKOXYBIPHENYL (26.41)				10 J			
UNK. CYCLOHEXENOL (9.50)				5 J			
2-CYCLOHEXEN-1-ONE (10.50)				5 J			
UNK. BENZENEAMINE/UNK SUBSTIT (24.85)				4 J			
METHANONE, DIPHENYL- (21.89)				3 J			
UNK. ALKOXYETHANOL (11.90)				3 J			
BENZENAMINE, 2- (TRIFLUOROMET) (11.51)				3 J			
MIX BENZENESULFONAMIDE/CHLOR (21.55)						1700 J	
UNK. ALKOXYBENZENE (16.05)						74 J	
UNK. TRIFLUOROMET BENZENAMINE (12.82)						49 J	
UNK. ALIPHATIC AMINE (8.82)						11 J	
UNK. CHLORINATED NAPTHYLENE (26.41)						7 J	
2-CYCLOHEXEN-1-ONE (10.49)						6 J	
UNK. ALIPHATIC (26.91)						5 J	

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-GW-D7DL	RNS-GW-S14	RNS-GW-S20	RNS-GW-S20DL	RNS-GW-D8	RNS-GW-D8DL
Laboratory Sample Number	S266DL	S269	S273	S273DL	S274	S274DL
Remarks	Dilution		Duplicate of RNS-GW-S17	Dilution		Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS						
1,2-CYCLOHEXANDIOL (13.05)					4 J	
METHANONE, DIPHENYL (21.90)					4 J	
UNK. CYCLOHEXENOL (9.50)					3 J	
UNK. ALIPHATIC (31.34)					3 J	
UNK BENZENEAMINE/UNK. SUBS (24.86)					3 J	
UNK TRIFLUOROMETHYL ANLINE (11.51)					3 J	
UNK. ALKOXYETHANOL (11.90)					3 J	
UNK. ALIPHATIC ACID (17.83)					3 J	
BENZENESULFONAMIDE, 4-CHLORO (23.04)					3 J	
BENZENESULFONAMIDE (20.89)						2000 J
UNK. ALKOXYBENZENE (16.01)						80 J
UNK. TRIFLUOROMET BENZAMINE (12.79)						44 J

EXTRACTABLE GANIC ANALYSIS

ERM-Midwest S. e Number	RNS-GW-D17	RNS-GW-D15	RNS-GW-D15	RNS-GW-S2	RNS-GW-S2RE	RNS-GW-S13	RNS-GW-S13DL	RNS-GW-S15	RNS-GW-D14
Laboratory Sample Number	S275	S276	S276DL	S277	S277RE	S278	S278DL	S279	S280
Remarks			Dilution		Reanalysis		Dilution		
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
1,1'-BIPHENYL-2-OL (20 31)									
1,1'-BIPHENYL-2-OL (20 36)									
1,2-ETHANEDIOL, 1-PHENYL (17 20)									
1,2-ETHANEDIOL, 1-PHENYL (17 47)		8 J							
1,2-CYCLOHEXANDIOL (13 00)									
1,2-CYCLOHEXANDIOL (13 04)		5 R		7 R				2 R	
1H-INDOLE-3-ETHANOL, 5-HYDRO (22 87)									
3-BUTEN-2-ONE, 4-PHENYL- (18 14)									
2-CYCLOHEXEN-1-ONE (10 42)				3 R		6 R		4 R	4 R
2-CYCLOHEXEN-1-ONE (10 49)	4 R	10 R							
CYCLOPENTANECARBOXALDEHYDE (8 40)									
2-PROPANOL, 1,3 DICHLORO- (9 62)									
4 BENZOYLMORPHOLINE (22 77)									
BENYOYL GLYCINE+UNKNOWN (23 58)									
BENZAMIDE (18 31)									
BENZENAMINE, 2-(TRIFLUOROMET) (11 46)									
BENZAMIDE (18 98)									
BENZENE, 1,1'-SULFONYLBIS (25 55)									
BENZENE,1-NITRO 3-(TRIFLUOR) (12 86)									
BENZENE,1-NITRO-3 (TRIFLUOR) (12 90)									
BENZENESULFONAMIDE (20 66)								5 J	31 J
BENZENESULFONAMIDE (20 70)			740 J						
BENZENESULFONAMIDE (20 74)									
BENZENESULFONAMIDE (20 78)									
BENZENESULFONAMIDE (20 86)							720 J		
BENZENESULFONAMIDE (20 91)									
BENZENESULFONAMIDE (21.11)						560 J			
BENZENESULFONAMIDE (21 29)									
BENZENESULFONAMIDE (21.34)					2600				
BENZENESULFONAMIDE (21 47)									
BENZENESULFONAMIDE (21 54)	1700 J								
BENZENESULFONAMIDE (21 59)				2500 J					
BENZENESULFONAMIDE (21 63)									
BENZENESULFONAMIDE (21 68)									
BENZENESULFONAMIDE, 2-METHYL (21.78)					4 J				
BENZENESULFONAMIDE, 4-CHLORO (22.38)									
BENZENESULFONAMIDE, 4-CHLORO (22.98)				21 J					
BENZENESULFONAMIDE, 4-CHLORO (23.14)									
BENZENESULFONAMIDE, 4-CHLORO (23.30)									
BENZENESULFONAMIDE, 4-METHYL (22.14)									
BENZENESULFONAMIDE, 4-METHYL (22.28)									
BENZENESULFONAMIDE, 4-METHYL (22.33)				2 J					
BENZENESUL DE, 4-METHYL (22.46)									

EXTRACTABLE ANIC ANALYSIS

ERM-Midwes umber	RNS-GW-D17	RNS-GW-D15	RNS-GW	NS-GW-S2	RNS-GW-S2RE	RNS-GW-S13	RNS-GW-S13DL	RNS-GW	-GW-D14
Laboratory Sa per	S275	S276	S276	S277	S277RE	S278	S278DL	S279	S280
Remarks			Dilution		Reanalysis		Dilution		
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
BENZENESULFONAMIDE, 4-METHYL (22.79)									
BENZENESULFONAMIDE, 4-METHYL (22.84)									
BENZENESULFONAMIDE, 4-METHYL+UNK (23.06)									
BENZENESULFONAMIDE, N-PHENYL (30.08)									
BENZENESULFONAMIDE+UNK AROMATIC (20.76)									
BENZENESULFONAMIDE+UNK NITROAROM (20.92)									
BENZENESULFONAMIDE+UNKNOWN (21.01)									
BENZENESULFONAMIDE+UNKNOWN (21.83)									
BENZENESULFONAMIDE+UNK AROMA (21.56)									
BENZENESULFONAMINDE+UNK (21.59)									
BENZOIC ACID (14.72)									
BENZOIC ACID (14.77)									
BENZOIC ACID (14.84)							62 J		
BENZOIC ACID (15.03)						89 J			
BENZOIC ACID (15.56)									
BENZOIC ACID (15.90)									
BENZOIC ACID (18.30)									
BENZOIC ACID (18.42)									
BENZOIC ACID + MIX UNKNOWN (18.46)									
BENZOIC ACID + UNKNOWN (15.29)									
BENZOIC ACID + UNKNOWNS (17.53)									
BENZOIC ACID + UNKNOWNS (18.01)									
BENZOIC ACID + UNKNOWNS (18.25)									
BENZOIC ACID + UNKCHLORPHENYE(16.20)									
BENZOIC ACID , 2-BROMO- (18.80)									
BENZOIC ACID, 2-BROMO- (18.96)						32 J			
BENZOIC ACID, 2-BROMO- (19.04)						18 J			
BENZOIC ACID, 2-BROMO- (19.80)									
BENZONITRILE (11.57)									
BENZONITRILE (11.85)									
BENZONITROLE (11.63)									
BENZOPHENONE (21.87)									
BROMOBENZOIC ACID+UNKNOWN (18.79)						5 J			
BROMOBENZOIC ACID+UNKNOWN (19.86)									
CARBOXYLIC ACID (17.82)									
CHLOROBENZENESULFONAMIDE (23.04)									
CHLOROBENZENESULFONAMIDE+UNK (23.27)									
CHLOROBENZENESULFONAMIDE+UNK (23.34)									
DECANOIC ACID (17.80)									13 J
DIBROMOBENZOIC ACID (22.74)									
5,5-DIPH-2,4-IMIDAZOLIDINEDIONE (29.74)									
DIPHENYLMETHANONE (22.04)									
DIPHENYLMETHANONE+UNK (22.03)									

EXTRACTABLE ANIC ANALYSIS

ERM-Midwe Number Laboratory S ber	RNS-GW-D17 S275	RNS-GW-D15 S276	RNS-GW S27	NS-GW-S2 S277	RNS-GW-S2RE S277RE	RNS-GW-S13 S278	RNS-GW-S13DL S278DL	RNS-GW S279	S-GW-D14 S280
Remarks			Dilution		Reanalysis		Dilution		
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
DODECANAMIDE, N,N-BIS(2-HYDR) (20.51)									
ETHANEDIONE, DIPHENYL- (24.06)									
ETHANONE, 1-PHENYL- (13.17)						3 J			
ETHANONE, 1-PHENYL- (13.21)									
ETHANONE, 1-PHENYL- (13.26)									
ETHYLMETHYLBENZENESULFONAMID (22.90)									
IMIDAZOLIDINEDIONE UNK SUBS (16.90)		5 J							
METHANONE, DIPHENYL- (21.85)					2 J				
METHYLSULFONYLBENZENE (18.52)		3 J		3 J	3 J				
1-PHENYLETHANONE + UNK. (13.14)									
MIX ALIPHATIC UNKOWNS (20.78)									
MIX ANILINE + CHLOROALIPHATIC (20.72)									
MIX AROMATIC + UNKNOWNS (18.16)									
MIX AROMATIC UNKNOWNS (18.79)									
MIX BENYOYL+HYDROXYBENZOIC A (18.24)									
MIX BENZOIC ACID+UNK (19.12)									
MIX BENZOIC ACID+UNKNOWNS (14.82)									
MIX BENZOIC ACID+UNKNOWNS (16.32)									
MIX BENZOIC ACID+UNKNOWNS (17.44)									
MIX BENZOIC ACID+UNK ALIPHATIC(18.56)									
MIX BENZOYL+UNKNOWN (23.73)									
MIX BENZOYL+UNK. ALKOYBENZENE (15.78)									
MIX BENZSULFONAMIDE/UNKNOWN (20.98									
MIX BROMOALKYL+UNKNOWNS (13.88)									
MIX BROMOALKYL+UNKNOWNS (8.20)									
MIX BROMOBENZOIC+NITROPHENET (19.94)									
MIX CHLORINATED ALIPHATIC (12.83)									
MIX CHLORINATED AROMATIC+UNK(26.35)									
MIX CHLOROBENZOIC ACID+UNK.(17.99)									
MIX CHLOROBENZOIC ACID+UNK (19.06)									
MIX CYANOBENZENE+UNKNOWNS (28.31)									
MIX NETHYL4METHYLBENZULFA+UN(22.96)									
MIX NITROBENZOIC ACID+CHLBENS(21.10)									
MIX SUB BENZENESULFONAMIDE&SILA (30.09)									
MIX SULFONATED BENZENE+UNK. (21.46)									
MIX UNK ALIPHATIC & SILANE (30.26)		4 J							
MIX UNK ALIPHATIC & SILANE (31.26)									
MIX UNK ALIPHATIC & SILANE (32.22)									2 J
MIX UNK ALIPHATIC & SILANE (34.04)									
MIX UNK ALIPHATIC (20.77)								2 R	
MIX UNK ALIPHATIC HYDRO&SILANE (31.19)									
MIX UNK ALIPHATIC HYDRO&SILANE (32.23)									
MIX UNK ALIPHATIC HYDRO&SILANE (33.39)									

EXTRACTABLE GANIC ANALYSIS									
ERM-Midwest S. e Number	RNS-GW-D17	RNS-GW-D15	RNS-GW-D1. .	RNS-GW-S2	RNS-GW-S2RE	RNS-GW-S13	RNS-GW-S13DL	RNS-GW-S15	RNS-GW-D14
Laboratory Sample Number	S275	S276	S276DL	S277	S277RE	S278	S278DL	S279	S280
Remarks			Dilution		Reanalysis		Dilution		
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
MIX UNK ALIPHATIC HYDRO&SILANE (33 44)									3 J
MIX UNK ALIPHATIC HYDRO&SILANE (34 82)									
MIX UNK ALIPHATIC HYDRO&SILANE (34 87)									
MIX UNK ALIPHATICS (13 95)									
MIX UNK ALIPHATICS (16 89)									
MIX UNK ALKOXYBENZENE+UNK (16 10)				12 J					
MIX UNK ALKYLBENZENE (17 98)									
MIX UNK AROMATICS (20 23)									
MIX UNK AROMATIC (20 67)									
MIX UNK AROMATIC (20 76)		3 J							
MIX UNK AROMATIC (20 88)									
MIX UNK AROMATIC (21 13)									
MIX UNK AROMATIC (23 05)									
MIX UNK AROMATIC (25 63)									
MIX UNK AROMATIC +UNK (30 92)									
MIX UNK AROMATIC+UNK ALIPHAT		6 J							
MIX UNK AROMATICS (27 06)									
MIX UNK AROMATICS (37 26)									
MIX UNK BENZOIC ACID+CHLOROP (15 37)									
MIX UNK BENZYL ALCOHOL (18 67)									
MIX UNK BROMOBENZOIC ACID (19 24)									
MIX UNK DICHLOROPHENOL+BENZO (18 72)									
MIX UNK FLUORINATED AROMATIC (23 11)									
MIX UNK HYDROCARB+CHLOROHYD (28 50)		2 J							
MIX UNK NITROBENZENEAMINE+UNK (22 52)									
MIXTURE UNKNOWNS (11 43)									
MIXTURE UNKNOWNS (11 60)									
MIXTURE UNKNOWNS (13 71)									
MIXTURE UNKNOWNS (13 95)									
NITROAROMITIC UNKNOWNS									
NITROBENZEN+BENZOIC ACID MIX (16 41)									
1,4-PENTADIENE-3-ONE,1,5-DIPHEN . (29 39)									
PHENYLETHANONE (13 23)									
PHENYLETHANONE (13.33)									
PHENOL,2,4-DICHLORO-,BENZENE (27 61)									
PHENOL,2,4-DICHLORO-,BENZENE (27.66)									
2-PROPEN-1-ONE,1-(NITROPHENYL) (30.03)									
SULFUR, MOL. (S8) (25 79)									
1,1-SULFONYLBISBENZNE (25.22)					600 J				
TRIFLUOROMET ANILINE SUB UNK (12.82)									
TRIFLUOROMETBENZENAMINE+UNK. (12.88)									
UNK. ACETYL (18.78)	9 J								
UNK. ACID (16 2									

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-GW-D17	RNS-GW-D15	RNS-GW-[illegible]	NS-GW-S2	RNS-GW-S2RE	RNS-GW-S13	RNS-GW-S13DL	RNS-GW-[illegible]	-GW-D14
Laboratory Sample Number	S275	S276	S27[illegible]	S277	S277RE	S278	S278DL	S279	S280
Remarks			Dilution		Reanalysis		Dilution		
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
UNK. ALIPHATIC (9.48)									
UNK. ALIPHATIC (12.23)									
UNK. ALIPHATIC (12.33)									
UNK. ALIPHATIC (16.32)									
UNK. ALIPHATIC (19.73)				3 J					3 J
UNK. ALIPHATIC (20.66)				6 J					
UNK. ALIPHATIC (26.84)									
UNK. ALIPHATIC (9.62)									3 R
UNK. ALIPHATIC + SILANE (31.30)									
UNK. ALIPHATIC ACID (19.63)									
UNK. ALIPHATIC ACID (20.50)				2 J					
UNK. ALIPHATIC ALCOHOL (11.85)									7 J
UNK. ALIPHATIC AMINE (8.78)				3 R					
UNK. ALIPHATIC AMINE (8.82)						7 R		5 R	6 R
UNK. ALIPHATIC HYDROCARB (8.34)									
UNK. ALIPHATIC HYDROCARB (12.23)	5 J	23 J							
UNK. ALIPHATIC HYDROCARB (12.35)									
UNK. ALIPHATIC HYDROCARB (12.44)									
UNK. ALIPHATIC HYDROCARB (20.52)									
UNK. ALIPHATIC HYDROCARB (27.60)									
UNK. ALIPHATIC HYDROCARB (28.52)									
UNK. ALIPHATIC HYDROCARB (29.41)									
UNK. ALIPHATIC HYDROCARB (30.24)									
UNK. ALIPHATIC HYDROCARB (31.15)									2 J
UNK. ALIPHATIC HYDROCARB (31.19)									3 J
UNK. ALIPHATIC HYDROCARB (32.19)									
UNK. ALIPHATIC HYDROCARB (32.23)									3 J
UNK. ALIPHATIC HYDROCARB (33.44)									
UNK. ALIPHATIC HYDROCARB (34.81)									
UNK. ALIPHATIC HYDROCARB (34.87)									4 J
UNK. ALIPHATIC HYDRO+SILANE (29.41)									
UNK. ALIPHATIC HYDRO+SILANE (30.27)									
UNK. ALIPHATIC HYDRO+SILANE (31.18)									
UNK. ALIPHATIC POLYCHLORINAT (32.23)									
UNK. ALKOXYBENZENE (15.69)									
UNK. ALKOXYBENZENE (16.00)									
UNK. ALKOXYBENZENE (16.04)				14 J	17 J	26 J	27 J		
UNK. ALKOXYBENZENE (16.09)	13 J	240 J	310 J						
UNK. ALKOXYBENZENE (16.18)									
UNK. ALKOXYBENZENE (18.31)									
UNK. ALKOXYBENZENE (18.93)									
UNK. ALKOXYETHANOL (11.88)									
UNK. ALKOXYETHANOL (11.89)	3 R								

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest S. Number	RNS-GW-D17	RNS-GW-D15	RNS-GW-D1.	RNS-GW-S2	RNS-GW-S2RE	RNS-GW-S13	RNS-GW-S13DL	RNS-GW-S15	RNS-GW-D14
Laboratory Sample Number	S275	S276	S276DL	S277	S277RE	S278	S278DL	S279	S280
Remarks			Dilution		Reanalysis		Dilution		
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
UNK ALKOXY SUB ALIPHATIC ALC (15 19)		5 J							
UNK ALKYL AMINE (8 82)									
UNK ALKYLBENZENE (8 69)									
UNK ALKYLBENZENE (9 16)									
UNK ALKYLBENZENE ALKOXY SUB (24 76)		4 J							
UNK ALKYLPYRIDINE (12 25)				2 J					
UNK AMINE (12 26)									
UNK AMINO BENZOIC ACID (20 50)		3 J							
UNK AMINOPHENYLETHANONE (17 19)									
UNK AMINOPHENYLETHANONE (19 95)									
UNK AMINOPHENYLETHANONE (20 02)									
UNK AROMATIC (17 02)									
UNK AROMATIC (17 25)									
UNK AROMATIC (17 94)									
UNK AROMATIC (17 99)									
UNK AROMATIC (18 50)									
UNK AROMATIC (22 17)									
UNK AROMATIC (23 14)									
UNK AROMATIC (23 31)									
UNK AROMATIC (25 24)									
UNK AROMATIC (26 49)									
UNK AROMATIC (26 55)									
UNK AROMATIC (38 55)		5 J							
UNK AROMATIC (40 19)									
UNK AROMATIC (41 06)									
UNK AROMATIC ACID (16 33)									
UNK AROMATIC ALCOHOL (17 14)									
UNK AROMATIC AMINE (8 74)									
UNK AROMATIC AMINE (24 86)									
UNK AROMATIC AMINE (25 31)		6 J							
UNK BENZENE METHANOL (16.58)									
UNK BENZENE SULFONATED (21 49)							43 J		
UNK BENZENEDIOL (16 44)					3 J				
UNK BENZENEAMINE (22.50)					4J				
UNK BENZENESULFONAMIDE+AROMA (21 35)									
UNK BENZENESULFONAMIDE+NITROBEN (21 02)		500 J							
UNK. BENZENESULFONAMIDE+UNKOWN (21 10)									
UNK. BENZOFURAN + UNK. BENZOYL (35.01)									
UNK. BENZOFURAN + UNK. BENZOYL (33 35)									
UNK. BENZOIC ACID (18 67)									
UNK. BENZOIC ACID (18 00)									
UNK. BENZOIC ACID (18.97)									
UNK BENZOIC ACID (15 50)									

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-GW-D17	RNS-GW-D15	RNS-GW-[illegible]	NS-GW-S2	RNS-GW-S2RE	RNS-GW-S13	RNS-GW-S13DL	RNS-GW-[illegible]	-GW-D14
Laboratory Sample Number	S275	S276	S27[illegible]	S277	S277RE	S278	S278DL	S279	S280
Remarks			Dilution		Reanalysis		Dilution		
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
UNK. BENZOYL (16.23)									
UNK. BENZOYL (21.86)									
UNK. BENZOYL (23.62)				5 J					
UNK. BENZOYL (23.76)									
UNK. BENZOYL (24.10)									
UNK. BENZOYL + UNK (15.13)									
UNK. BENZYL ALCOHOL (18.67)									
UNK. BIPHENYL (25.69)									
UNK. BIPHENYL (26.83)									
UNK. BIPHENYL SUBSTITUTED (26.80)									
UNK. BIPHENYLOL (20.27)									
UNK. BIPHENYLOL (20.33)									
UNK. BIPHENYLOL (20.42)									
UNK. BIPHENYLOL (20.55)		16 J							
UNK. BIPHENYLOL (20.67)									
UNK. BIPHENYLOL (26.73)									
UNK. BIPHENYLOL (26.85)									
UNK. BROMINATED ALIPHATIC (11.99)									
UNK. BROMOALIPHATIC (12.03)									
UNK. BROMOALIPHATIC (13.96)									
UNK. BROMOALIPHATIC (22.30)									
UNK. BROMOALIPHATIC (8.03)									
UNK. BROMOALIPHATIC (8.22)									
UNK. BROMOALKYL (12.11)									
UNK. BROMOAROMATIC (16.83)									
UNK. BROMOAROMATIC (20.21)									
UNK. BROMOBENZOIC ACID (18.79)									
UNK. BROMOBENZOIC ACID (18.83)									
UNK.BROMOBENZOIC ACID (18.90)									
UNK. BROMOBENZOIC ACID (18.96)							16 J		
UNK. BROMOBENZOIC ACID (19.10)							18 J		
UNK. BROMOBENZOIC ACID (19.19)									
UNK. BROMOBENZOIC ACID (19.25)									
UNK. BROMOBENZOIC ACID (19.31)									
UNK. BROMOBENZOIC ACID (19.38)									
UNK. BROMOBENZOIC ACID (19.65)									
UNK. BROMOBENZOIC ACID (19.72)									
UNK. BROMOBENZOIC ACID (19.84)									
UNK. BROMOBENZOIC ACID (20.24)									
UNK. BROMOBENZOIC ACID (20.37)									
UNK. BROMOBENZOIC ACID (22.82)									
UNK. BROMOBENZOIC ACID+AROMATIC (20.34)									
UNK. BROMODICHLORBENZENE (16.83)									

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest S Number	RNS-GW-D17	RNS-GW-D15	RNS-GW-D1	RNS-GW-S2	RNS-GW-S2RE	RNS-GW-S13	RNS-GW-S13DL	RNS-GW-S15	RNS-GW-D14
Laboratory Sample Number	S275	S276	S276DL	S277	S277RE	S278	S278DL	S279	S280
Remarks			Dilution		Reanalysis		Dilution		
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
UNK CARBOXYLIC ACID (17 81)									
UNK CHLORINATED ALKLBENZENE (16 61)									
UNK CHLORINATED ALIPHATIC (28 51)									
UNK CHLORINATED AROMATIC (19 77)									
UNK CHLORINATED AROMATIC (37 31)									
UNK CHLORINATED AROMATIC (20 77)									
UNK CHLORINATED AROMATIC (20 83)			540 J						
UNK CHLORINATED BIPHENYLOL (22 79)									
UNK CHLORINATED BIPHENYL (26 49)									
UNK CHLORINATED BIPHENYL (29 54)									
UNK CHLORINATEDCYCLOHEXANONE (12 92)									
UNK CHLORINATED NAPTHYLENE (26 38)									
UNK CHLOROALKANOL (9 82)		32 J							
UNK CHLOROALKYL-AROMATIC (20 79)									
UNK CHLOROAROMATIC (36 07)									
UNK CHLOROBENZENESULFONAMIDE (22 86)									
UNK CHLOROBENZENESULFONAMIDE (22 91)	3 J								
UNK CHLOROBENZENESULFONAMIDE (22 96)					12 J	14 J			
UNK CHLOROBENZOIC ACID (17 99)				2 J					
UNK CHLOROBENZOIC ACID (18 76)									
UNK CHLOROBENZOIC ACID (18 85)									
UNK CHLOROBIPHENYL (26 39)									
UNK CHLOROBIPHENYLOL (22 79)									
UNK CHLOROBIPHENYLOL (26 51)									
UNK CHLOROBIPHENYL (26 52)									
UNK CHLORINATED BIPHENYLOL (28 53)									
UNK CHLOROCYCLOHEXANOL (12 48)									
UNK CHLOROCYCLOHEXANONE (12 97)									
UNK CHLOROETHENYLBENZENE (13 28)									
UNK CHLORONITROAROMATIC (36 06)									
UNK CYCLIC ALCOHOL (9.39)									
UNK CYCLIC ALIPHATIC (15.90)									
UNK CYCLOALKANOL (9 47)					10 J				
UNK CYCLOHEXANE (13.22)									
UNK CYCLOHEXANOL (9.42)									
UNK CYCLOHEXANOL (12.43)		7 R				3 R			
UNK CYCLOHEXANOL (12 47)									
UNK CYCLOHEXANOL (12 52)									
UNK CYCLOHEXENOL (9 45)		18 R		8 R					
UNK CYCLOHEXENOL (9 49)								3 R	
UNK CYCLOHEXENOL+UNK MIX (9.42)	2 J								
UNK CYCLOHEXYL (12 47)									
UNK DIBROMOALIPHATIC (13.81)									

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-GW-D17	RNS-GW-D15	RNS-GW-[illegible]	NS-GW-S2	RNS-GW-S2RE	RNS-GW-S13	RNS-GW-S13DL	RNS-GW-[illegible]	-GW-D14
Laboratory Sample Number	S275	S276	S27[illegible]	S277	S277RE	S278	S278DL	S279	S280
Remarks			Dilution		Reanalysis		Dilution		
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
UNK. DIBROMOBENZENE (22.82)									
UNK. DIBROMOBENZENE (22.75)									
UNK. DIBROMOBENZOIC ACID (22.82)									
UNK. DIBROMOBENZOIC ACID (22.93)									
UNK. DIBROMOAROMATIC (22.90)									
UNK. DICHLOROALKANOL (9.67)									
UNK. DICHLOROAROMATIC (28.54)									
UNK. DICHLOROBIPHENYL (24.80)									
UNK. DIMETHYLPYRIDINE (12.31)									
UNK. HALOGENATED ALIPHATIC (13.64)									
UNK. IMADAZOLIDINDIONE (16.78)									
UNK. IMADAZOLIDINDIONE (17.01)	3 J				3 J				
UNK. METHBENZENESULFONIC ACID (22.81)									
UNK. MIX BENZENESULFONYL (21.05)									
UNK. MIX TRIMETH PHENOL/AROMA (20.85)		200							
UNK N-PHENYLSULFONYL/BENSULF (30.18)		300 J							
UNK. NITROANILINE (23.16)									
UNK. NITROANILINE (23.30)									
UNK. NITROAROMATIC (20.18)									
UNK. NITROAROMATIC (20.23)									
UNK. NITROAROMATIC (22.06)									
UNK. NITROAROMATIC (22.15)									
UNK. NITROAROMATIC (22.21)									
UNK. NITROAROMATIC (22.30)									
UNK. NITROAROMATIC (22.56)									
UNK. NITROAROMATIC (22.44)									
UNK. NITROBENZENE (22.11)									
UNK. NITROBENZENE (22.40)									
UNK. NITROBENZENEAMINE (22.21)									
UNK. NITROFLUOROBENZENE (12.85)									
UNK. NITROGEN CONTAINING (12.23)									
UNK. NITROGEN HETEROCYCLIC (12.30)						2 J			
UNK. NITROGEN HETEROCYCLE (15.78)									
UNK. METHYLNITROBENZENE AMINE (23.32)									
UNK. PHENYLSULFONYLBENXSULFON (30.20)									
UNK POLYHALOGENATED ALIPHATIC (13.93)									
UNK. SUBST MORPHOLINE (26.75)				280 J					
UNK. SUBST BENZENEMETHANOL (16.22)									
UNK. SUBST BENZENESULFONAMIDE (21.89)									
UNK. SUBST BENZYL ALCOHOL (17.26)									
UNK. SUBST BIPHENYL (26.86)									
UNK. SUBST BROMOBENZENE (29.52)									
UNK. SUBST BROMOBENZOIC ACID (19.04)									

EXTRACTABLE ORGANIC ANALYSIS									
ERM-Midwest S. Number	RNS-GW-D17	RNS-GW-D15	RNS-GW-D1[illegible]	RNS-GW-S2	RNS-GW-S2RE	RNS-GW-S13	RNS-GW-S13DL	RNS-GW-S15	RNS-GW-D14
Laboratory Sample Number	S275	S276	S276DL	S277	S277RE	S278	S278DL	S279	S280
Remarks			Dilution		Reanalysis		Dilution		
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
UNK. SUBST CHLORINATED BENZENE (36.02)									
UNK. SUBST BIPHENYL (26.95)									
UNK. SUBST BIPHENYL (26.50)									
UNK. SUBST BIPHENYL (26.73)									
UNK. SUBST PHENYLBUTENONE (17.96)									
UNK. SULFONATED AROMATIC (25.89)						10 J			
UNK. SULFONATED BENZENE (30.09)									
UNK. SULFONYL BENZENE (18.51)									
UNK. SULFONYLBENZENE (25.66)					34 J				
UNK. TRICHLOROALIPHATIC (10.23)									
UNK. TRICHLOROALIPHATIC (20.66)									
UNK. TRIFLUOROMET ANILINE (12.79)									
UNK. TRIFLUOROMET BENZEAMINE (12.83)							19J		
UNK. TRIFLUOROMET BENZENAMINE (12.82)		240 J	280 J						
UNK. TRIFLUOROMETBENZEAMINE (11.48)									
UNK. TRIFLUOROMETBENZENAMINE (12.79)		26 J				4 J			
UNK. TRIFLUOROMETHBENZENAMINE (12.78)									
UNK. TRIFLUOROMETHYL ANLINE (12.84)						21 J			
UNK. TRIFLUOROMETHYLBENZENAM (11.49)									

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-GW-D14DL	RNS-GW-D19	RNS-GW-[illegible]	RNS-GW-S7	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D13	RNS-GW-[illegible]	-GW-D12DL
Laboratory Sample Number	S280DL	S281	S28[illegible]	S283	S284	S284DL	S285	S287	S287DL
Remarks	Dilution		Dilution			Dilution			Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS		Duplicate of RNS-GW-D14	Duplicate of RNS-GW-D14						
1,1'-BIPHENYL-2-OL (20.31)					14 J				
1,1'-BIPHENYL-2-OL (20.36)									
1,2-ETHANEDIOL, 1-PHENYL (17.20)								78 J	
1,2-ETHANEDIOL, 1-PHENYL (17.47)									
1,2-CYCLOHEXANDIOL (13.00)							8 R		
1,2-CYCLOHEXANDIOL (13.04)									
1H-INDOLE-3-ETHANOL, 5-HYDRO (22.87)									
3-BUTEN-2-ONE, 4-PHENYL- (18.14)									
2-CYCLOHEXEN-1-ONE (10.42)		4 R		3 R					
2-CYCLOHEXEN-1-ONE (10.49)									
CYCLOPENTANECARBOXALDEHYDE (8.40)									
2-PROPANOL, 1,3-DICHLORO- (9.62)									
4-BENZOYLMORPHOLINE (22.77)									
BENYOYL GLYCINE+UNKNOWN (23.58)									
BENZAMIDE (18.31)									
BENZENAMINE, 2- (TRIFLUOROMET) (11.46)					13 J				
BENZAMIDE (18.98)									
BENZENE, 1,1'-SULFONYLBIS (25.55)									
BENZENE,1-NITRO-3-(TRIFLUOR) (12.86)									
BENZENE,1-NITRO-3-(TRIFLUOR) (12.90)									
BENZENESULFONAMIDE (20.66)	19 J		11 J						
BENZENESULFONAMIDE (20.70)		30 J							
BENZENESULFONAMIDE (20.74)									
BENZENESULFONAMIDE (20.78)				92 J					
BENZENESULFONAMIDE (20.86)									
BENZENESULFONAMIDE (20.91)									
BENZENESULFONAMIDE (21.11)									
BENZENESULFONAMIDE (21.29)									
BENZENESULFONAMIDE (21.34)									
BENZENESULFONAMIDE (21.47)									
BENZENESULFONAMIDE (21.54)									
BENZENESULFONAMIDE (21.59)									
BENZENESULFONAMIDE (21.63)									
BENZENESULFONAMIDE (21.68)									
BENZENESULFONAMIDE, 2-METHYL (21.78)									
BENZENESULFONAMIDE, 4-CHLORO (22.38)									
BENZENESULFONAMIDE, 4-CHLORO (22.98)									
BENZENESULFONAMIDE, 4-CHLORO (23.14)									
BENZENESULFONAMIDE, 4-CHLORO (23.30)									
BENZENESULFONAMIDE, 4-METHYL (22.14)									
BENZENESULFONAMIDE, 4-METHYL (22.28)									
BENZENESULFONAMIDE, 4-METHYL (22.33)									
BENZENESULFONAMIDE, 4-METHYL (22.46)									

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest S. Number	RNS-GW-D14DL	RNS-GW-D19	RNS-GW-D1	RNS-GW-S7	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D13	RNS-GW-D12	RNS-GW-D12DL
Laboratory Sample Number	S280DL	S281	S281DL	S283	S284	S284DL	S285	S287	S287DL
Remarks	Dilution		Dilution			Dilution			Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS		Duplicate of RNS-GW-D14	Duplicate of RNS-GW-D14						
BENZENESULFONAMIDE, 4-METHYL (22 79)									
BENZENESULFONAMIDE, 4-METHYL (22 84)									
BENZENESULFONAMIDE, 4-METHYL+UNK (23 06)									
BENZENESULFONAMIDE, N-PHENYL (30 08)									
BENZENESULFONAMIDE+UNK AROMATIC (20 76)									
BENZENESULFONAMIDE+UNK NITROAROM (20 92)									
BENZENESULFONAMIDE+UNKNOWN (21 01)									
BENZENESULFONAMIDE+UNKNOWN (21 83)									
BENZENESULFONAMIDE+UNK AROMA (21 56)									
BENZENESULFONAMINDE+UNK (21 59)									
BENZOIC ACID (14 72)									
BENZOIC ACID (14 77)							8 J		
BENZOIC ACID (14 84)									
BENZOIC ACID (15 03)								51 J	
BENZOIC ACID (15 56)									
BENZOIC ACID (15 90)									
BENZOIC ACID (18 30)									
BENZOIC ACID (18 42)									
BENZOIC ACID + MIX UNKNOWN (18 46)									
BENZOIC ACID + UNKNOWN (15 29)									
BENZOIC ACID + UNKNOWNS (17 53)									
BENZOIC ACID + UNKNOWNS (18 01)									
BENZOIC ACID + UNKNOWNS (18 25)									
BENZOIC ACID + UNKCHLORPHENYE(16 20)									
BENZOIC ACID , 2-BROMO- (18 80)									
BENZOIC ACID, 2-BROMO- (18 96)									
BENZOIC ACID, 2-BROMO- (19 04)									
BENZOIC ACID, 2-BROMO- (19 80)									
BENZONITRILE (11 57)									
BENZONITRILE (11 85)									
BENZONITROLE (11 63)									
BENZOPHENONE (21 87)									
BROMOBENZOIC ACID+UNKNOWN (18 79)									
BROMOBENZOIC ACID+UNKNOWN (19 86)									
CARBOXYLIC ACID (17.82)		9 J							
CHLOROBENZENESULFONAMIDE (23 04)									
CHLOROBENZENESULFONAMIDE+UNK (23 27)									
CHLOROBENZENESULFONAMIDE+UNK (23 34)									
DECANOIC ACID (17.80)									
DIBROMOBENZOIC ACID (22.74)									
5,5-DIPH-2,4-IMIDAZOLIDINEDIONE (29.74)									
DIPHENYLMETHANONE (22.04)									
DIPHENYLMETHANONE+UNK (22 03)									

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-GW-D14DL	RNS-GW-D19	RNS-GW-[illegible]	NS-GW-S7	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D13	RNS-GW-[illegible]	GW-D12DL
Laboratory Sample Number	S280DL	S281	S281DL	S283	S284	S284DL	S285	S287	S287DL
Remarks	Dilution		Dilution			Dilution			Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS		*Duplicate of* RNS-GW-D14	*Duplicate of* RNS-GW-D14						
DODECANAMIDE, N,N-BIS(2-HYDR) (20.51)	4 J								
ETHANEDIONE, DIPHENYL- (24.06)									
ETHANONE, 1-PHENYL- (13.17)					24 J				
ETHANONE, 1-PHENYL- (13.21)									
ETHANONE, 1-PHENYL- (13.26)								34 J	
ETHYLMETHYLBENZENESULFONAMID (22.90)									
IMIDAZOLIDINEDIONE UNK SUBS (16.90)									
METHANONE, DIPHENYL- (21.85)								57 J	
METHYLSULFONYLBENZENE (18.52)									
1-PHENYLETHANONE + UNK. (13.14)									
MIX ALIPHATIC UNKOWNS (20.78)									
MIX ANILINE + CHLOROALIPHATIC (20.72)									
MIX AROMATIC + UNKNOWNS (18.16)									
MIX AROMATIC UNKNOWNS (18.79)									
MIX BENYOYL+HYDROXYBENZOIC A (18.24)									
MIX BENZOIC ACID+UNK (19.12)									
MIX BENZOIC ACID+UNKNOWNS (14.82)									
MIX BENZOIC ACID+UNKNOWNS (16.32)									
MIX BENZOIC ACID+UNKNOWNS (17.44)									
MIX BENZOIC ACID+UNK ALIPHATIC(18.56)									
MIX BENZOYL+UNKNOWN (23.73)									
MIX BENZOYL+UNK. ALKOYBENZENE (15.78)									
MIX BENZSULFONAMIDE/UNKNOWN (20.98									
MIX BROMOALKYL+UNKNOWNS (13.88)					96 J				
MIX BROMOALKYL+UNKNOWNS (8.20)									
MIX BROMOBENZOIC+NITROPHENET (19.94)									
MIX CHLORINATED ALIPHATIC (12.83)									
MIX CHLORINATED AROMATIC+UNK(26.35)									
MIX CHLOROBENZOIC ACID+UNK.(17.99)									
MIX CHLOROBENZOIC ACID+UNK (19.06)									
MIX CYANOBENZENE+UNKNOWNS (28.31)									
MIX NETHYL4METHYLBENZULFA+UN(22.96)									
MIX NITROBENZOIC ACID+CHLBENS(21.10)									
MIX SUB BENZENESULFONAMIDE&SILA (30.09)									
MIX SULFONATED BENZENE+UNK. (21.46)									
MIX UNK ALIPHATIC & SILANE (30.26)									
MIX UNK ALIPHATIC & SILANE (31.26)									
MIX UNK ALIPHATIC & SILANE (32.22)									
MIX UNK ALIPHATIC & SILANE (34.04)									
MIX UNK ALIPHATIC (20.77)									
MIX UNK ALIPHATIC HYDRO&SILANE (31.19)									
MIX UNK ALIPHATIC HYDRO&SILANE (32.23)		3 J							
MIX UNK ALIPHATIC HYDRO&SILANE (33.39)		3J							

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest S. Number	RNS-GW-D14DL	RNS-GW-D19	RNS-GW-D	RNS-GW-97	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D13	RNS-GW-D12	RNS-GW-D12DL
Laboratory Sample Number	S280DL	S281	S281DL	S283	S284	S284DL	S285	S287	S287DL
Remarks	Dilution		Dilution			Dilution			Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS		Duplicate of RNS-GW-D14	Duplicate of RNS-GW-D14						
MIX UNK ALIPHATIC HYDRO&SILANE (33 44)					6 J				
MIX UNK ALIPHATIC HYDRO&SILANE (34 82)		3J					5 J		
MIX UNK ALIPHATIC HYDRO&SILANE (34 87)							2 J		
MIX UNK ALIPHATICS (13 95)		4J							
MIX UNK ALIPHATICS (16 89)									
MIX UNK ALKOXYBENZENE+UNK (16 10)									
MIX UNK ALKYLBENZENE (17 98)									
MIX UNK AROMATICS (20 23)									
MIX UNK AROMATIC (20 67)									
MIX UNK AROMATIC (20 76)									
MIX UNK AROMATIC (20 88)						340 J			
MIX UNK AROMATIC (21 13)									
MIX UNK AROMATIC (23 05)									
MIX UNK AROMATIC (25 63)									
MIX UNK AROMATIC +UNK (30 92)									
MIX UNK AROMATIC+UNK ALIPHAT									
MIX UNK AROMATICS (27 06)					180 J				
MIX UNK AROMATICS (37 26)								39 J	
MIX UNK BENZOIC ACID+CHLOROP (15 37)								33 J	
MIX UNK BENZYL ALCOHOL (18 67)									
MIX UNK BROMOBENZOIC ACID (19 24)									
MIX UNK DICHLOROPHENOL+BENZO (18 72)								28 J	
MIX UNK FLUORINATED AROMATIC (23 11)									
MIX UNK HYDROCARB+CHLOROHYD (28 50)									
MIX UNK NITROBENZENEAMINE+UNK (22 52)					20 J				
MIXTURE UNKNOWNS (11 43)									
MIXTURE UNKNOWNS (11 60)									
MIXTURE UNKNOWNS (13 71)								51 J	
MIXTURE UNKNOWNS (13 95)									
NITROAROMITIC UNKNOWNS									
NITROBENZEN+BENZOIC ACID MIX (16 41)									
1,4-PENTADIENE-3-ONE,1,5-DIPHEN (29 39)									
PHENYLETHANONE (13 23)									
PHENYLETHANONE (13 33)									
PHENOL,2,4-DICHLORO-,BENZENE (27 61)									
PHENOL,2,4-DICHLORO-,BENZENE (27 66)					28 J				
2-PROPEN-1-ONE,1-(NITROPHENYL) (30 03)								64 J	
SULFUR, MOL (S8) (25 79)									
1,1-SULFONYLBISBENZNE (25 22)									
TRIFLUOROMET ANILINE SUB UNK (12.82)									
TRIFLUOROMETBENZENAMINE+UNK. (12.88)									
UNK. ACETYL (18.78)									
UNK. ACID (16.35)									

ERM-Midwe[illegible] Number	RNS-GW-D14DL	RNS-GW-D19	RNS-GW[illegible]	RNS-GW-S7	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D13	RNS-GW[illegible]	[illegible]-GW-D12DL
Laboratory S[illegible] Number	S280DL	S281	S28[illegible]	S283	S284	S284DL	S285	S287	S287DL
Remarks	Dilution		Dilution			Dilution			Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS		Duplicate of RNS-GW-D14	Duplicate of RNS-GW-D14						
UNK. ALIPHATIC (9.48)									
UNK. ALIPHATIC (12.23)									
UNK. ALIPHATIC (12.33)									
UNK. ALIPHATIC (16.32)									
UNK. ALIPHATIC (19.73)	4 J								
UNK. ALIPHATIC (20.66)									
UNK. ALIPHATIC (26.84)									
UNK. ALIPHATIC (9.62)		3 J							
UNK. ALIPHATIC + SILANE (31.30)									
UNK. ALIPHATIC ACID (19 63)		3 J							
UNK. ALIPHATIC ACID (20.50)									
UNK. ALIPHATIC ALCOHOL (11.85)									
UNK. ALIPHATIC AMINE (8.78)							13 R		
UNK. ALIPHATIC AMINE (8.82)	6 R	6 R			6 R				
UNK. ALIPHATIC HYDROCARB (8.34)									
UNK. ALIPHATIC HYDROCARB (12.23)									
UNK. ALIPHATIC HYDROCARB (12.35)									
UNK. ALIPHATIC HYDROCARB (12.44)		6J							
UNK. ALIPHATIC HYDROCARB (20.52)							2 J		
UNK. ALIPHATIC HYDROCARB (27.60)		6J							
UNK. ALIPHATIC HYDROCARB (28.52)				8 J			2 J		
UNK. ALIPHATIC HYDROCARB (29.41)				22 J			6 J		
UNK. ALIPHATIC HYDROCARB (30.24)				36 R	20 R		10 R		
UNK. ALIPHATIC HYDROCARB (31.15)				38 J	22 J		10 J		
UNK. ALIPHATIC HYDROCARB (31.19)					17 J		16 J		
UNK. ALIPHATIC HYDROCARB (32.19)				32 J			10 J		
UNK. ALIPHATIC HYDROCARB (32.23)					11 J				
UNK. ALIPHATIC HYDROCARB (33.44)				20 J					
UNK. ALIPHATIC HYDROCARB (34.81)				12 J					
UNK. ALIPHATIC HYDROCARB (34.87)									
UNK. ALIPHATIC HYDRO+SILANE (29.41)									
UNK. ALIPHATIC HYDRO+SILANE (30.27)						2 J			
UNK. ALIPHATIC HYDRO+SILANE (31.18)				8 J					
UNK. ALIPHATIC POLYCHLORINAT (32.23)									
UNK. ALKOXYBENZENE (15.69)								29 J	
UNK. ALKOXYBENZENE (16.00)									
UNK. ALKOXYBENZENE (16.04)				9 J		770 J	2 J		
UNK. ALKOXYBENZENE (16.09)					400 J			400 J	
UNK. ALKOXYBENZENE (16.18)									
UNK. ALKOXYBENZENE (18.31)									
UNK. ALKOXYBENZENE (18.93)									
UNK. ALKOXYETHANOL (11.88)									
UNK. ALKOXYETHANOL (11.89)					7 J				

EXTRACTABLE ANIC ANALYSIS

ERM-Midwest Sa Number	RNS-GW D14DL	RNS-GW-D19	RNS-GW-D1	RNS-GW-S7	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D13	RNS-GW-D1	NS-GW-D12DL
Laboratory Sample Number	S280DL	S281	S281DL	S283	S284	S284DL	S285	S287	S287DL
Remarks	Dilution		Dilution			Dilution			Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS		Duplicate of RNS-GW-D14	Duplicate of RNS-GW-D14						
UNK ALKOXY SUB ALIPHATIC ALC (15 19)									
UNK ALKYL AMINE (8 82)							2 R		
UNK ALKYLBENZENE (8 89)									
UNK ALKYLBENZENE (9 16)									
UNK ALKYLBENZENE ALKOXY SUB (24 76)									
UNK ALKYLPYRIDINE (12 25)									
UNK AMINE (12 26)									
UNK AMINO BENZOIC ACID (20 50)									
UNK AMINOPHENYLETHANONE (17 19)									
UNK AMINOPHENYLETHANONE (19 95)									
UNK AMINOPHENYLETHANONE (20 02)									
UNK AROMATIC (17.02)									
UNK AROMATIC (17 25)									
UNK AROMATIC (17 94)									
UNK AROMATIC (17 99)									
UNK AROMATIC (18 50)									
UNK AROMATIC (22 17)									
UNK AROMATIC (23 14)									
UNK AROMATIC (23 31)									
UNK AROMATIC (25 24)								390 J	
UNK AROMATIC (26 49)									
UNK AROMATIC (26 55)									
UNK AROMATIC (38 55)									
UNK AROMATIC (40 19)									
UNK. AROMATIC (41 06)									
UNK AROMATIC ACID (16 33)				3 J					
UNK AROMATIC ALCOHOL (17 14)									
UNK. AROMATIC AMINE (8 74)									
UNK AROMATIC AMINE (24 86)					18 J				
UNK AROMATIC AMINE (25 31)									
UNK. BENZENE METHANOL (16 58)									
UNK. BENZENE SULFONATED (21 49)									
UNK BENZENEDIOL (16 44)									
UNK BENZENEAMINE (22 50)									
UNK BENZENESULFONAMIDE+AROMA (21 35)									
UNK. BENZENESULFONAMIDE+NITROBEN (21.02)									
UNK BENZENESULFONAMIDE+UNKOWN (21 10)									
UNK BENZOFURAN + UNK BENZOYL (35 01)									
UNK. BENZOFURAN + UNK. BENZOYL (33.35)									
UNK BENZOIC ACID (18.67)									
UNK. BENZOIC ACID (18.00)									
UNK. BENZOIC ACID (18 97)									
UNK. BENZOIC (15 50)									

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-GW-D14DL	RNS-GW-D19	RNS-GW-D14	RNS-GW-S7	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D13	RNS-GW-D12	-GW-D12DL
Laboratory Sample Number	S280DL	S281	S282	S283	S284	S284DL	S285	S287	S287DL
Remarks	Dilution		Dilution			Dilution			Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS		Duplicate of RNS-GW-D14	Duplicate of RNS-GW-D14						
UNK. BENZOYL (16.23)									
UNK. BENZOYL (21.86)					6 J				
UNK. BENZOYL (23.62)									
UNK. BENZOYL (23.76)									
UNK. BENZOYL (24.10)									
UNK. BENZOYL + UNK (15.13)									
UNK. BENZYL ALCOHOL (18.67)								340 J	
UNK. BIPHENYL (25.69)									
UNK. BIPHENYL (26.83)									
UNK. BIPHENYL SUBSTITUTED (26.80)									
UNK. BIPHENYLOL (20.27)									
UNK. BIPHENYLOL (20.33)								57 J	
UNK. BIPHENYLOL (20.42)									
UNK. BIPHENYLOL (20.55)								67 J	
UNK. BIPHENYLOL (20.67)									
UNK. BIPHENYLOL (26.73)									
UNK. BIPHENYLOL (26.85)									
UNK. BROMINATED ALIPHATIC (11.99)									
UNK. BROMOALIPHATIC (12.03)									
UNK. BROMOALIPHATIC (13.96)									
UNK. BROMOALIPHATIC (22.30)									
UNK. BROMOALIPHATIC (8.03)									
UNK. BROMOALIPHATIC (8.22)									
UNK. BROMOALKYL (12.11)									
UNK. BROMOAROMATIC (16.83)									
UNK. BROMOAROMATIC (20.21)								30 J	
UNK. BROMOBENZOIC ACID (18.79)									
UNK. BROMOBENZOIC ACID (18.83)									
UNK.BROMOBENZOIC ACID (18.90)									
UNK. BROMOBENZOIC ACID (18.96)									
UNK. BROMOBENZOIC ACID (19.10)									
UNK. BROMOBENZOIC ACID (19.19)									
UNK. BROMOBENZOIC ACID (19.25)									
UNK. BROMOBENZOIC ACID (19.31)									
UNK. BROMOBENZOIC ACID (19.38)									
UNK. BROMOBENZOIC ACID (19.65)									
UNK. BROMOBENZOIC ACID (19.72)									
UNK. BROMOBENZOIC ACID (19.84)									
UNK. BROMOBENZOIC ACID (20.24)									
UNK. BROMOBENZOIC ACID (20.37)									
UNK. BROMOBENZOIC ACID (22.82)									
UNK. BROMOBENZOIC ACID+AROMATIC (20.34)									
UNK. BROMODICHLORBENZENE (16.83)									

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Site Number	RNS-GW-D14DL	RNS-GW-D19	RNS-GW-D1.	RNS-GW-S7	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D13	RNS-GW-D12	RNS-GW-D12DL
Laboratory Sample Number	S280DL	S281	S281DL	S283	S284	S284DL	S285	S287	S287DL
Remarks	Dilution		Dilution			Dilution			Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS		Duplicate of RNS-GW-D14	Duplicate of RNS-GW-D14						
UNK CARBOXYLIC ACID (17 81)								32 J	
UNK CHLORINATED ALKLBENZENE (16 61)	7 J								
UNK CHLORINATED ALIPHATIC (28 51)								300 J	
UNK CHLORINATED AROMATIC (19 77)									
UNK CHLORINATED AROMATIC (37 31)									
UNK CHLORINATED AROMATIC (20 77)									
UNK CHLORINATED AROMATIC (20 83)									
UNK CHLORINATED BIPHENYLOL (22 79)								160 J	
UNK CHLORINATED BIPHENYL (26 49)									
UNK CHLORINATED BIPHENYL (29 54)								330 J	
UNK CHLORINATEDCYCLOHEXANONE (12 92)									
UNK CHLORINATED NAPTHYLENE (26 38)									
UNK CHLOROALKANOL (9 82)									
UNK CHLOROALKYL-AROMATIC (20 79)									
UNK CHLOROAROMATIC (36 07)									
UNK CHLOROBENZENESULFONAMIDE (22 86)									
UNK CHLOROBENZENESULFONAMIDE (22 91)									
UNK CHLOROBENZENESULFONAMIDE (22 96)									
UNK CHLOROBENZOIC ACID (17 99)									
UNK CHLOROBENZOIC ACID (18 76)									
UNK CHLOROBENZOIC ACID (18 85)									
UNK CHLOROBIPHENYL (26 39)									
UNK CHLOROBIPHENYLOL (22 79)					130 J				
UNK CHLOROBIPHENYLOL (28 51)									
UNK CHLOROBIPHENYL (26 52)								36 J	
UNK CHLORINATED BIPHENYLOL (28 53)									
UNK CHLOROCYCLOHEXANOL (12 48)									
UNK CHLOROCYCLOHEXANONE (12 97)									
UNK CHLOROETHENYLBENZENE (13 28)									
UNK CHLORONITROAROMATIC (36 08)				12 J					
UNK CYCLIC ALCOHOL (9 39)									
UNK CYCLIC ALIPHATIC (15 90)									
UNK CYCLOALKANOL (9 47)									
UNK CYCLOHEXANE (13 22)									
UNK CYCLOHEXANOL (9 42)									
UNK CYCLOHEXANOL (12 43)									
UNK CYCLOHEXANOL (12 47)									
UNK CYCLOHEXANOL (12.52)									
UNK CYCLOHEXENOL (9 45)									
UNK CYCLOHEXENOL (9.49)		3 R							
UNK CYCLOHEXENOL+UNK MIX (9.42)							3 R		
UNK CYCLOHEXYL (12.47)									
UNK DIBROMOALIPHATIC (13.81)									

ERM-Midwest Laboratory Number	RNS-GW-D14DL S280DL	RNS-GW-D19 S281	RNS-GW-D14 S282	RNS-GW-S7 S283	RNS-GW-D11 S284	RNS-GW-D11DL S284DL	RNS-GW-D13 S285	RNS-GW-D12 S286	GW-D12DL S287DL
Remarks	Dilution		Dilution			Dilution			Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS		Duplicate of RNS-GW-D14	Duplicate of RNS-GW-D14						
UNK. DIBROMOBENZENE (22.82)									
UNK. DIBROMOBENZENE (22.75)									
UNK. DIBROMOBENZOIC ACID (22.82)									
UNK. DIBROMOBENZOIC ACID (22.93)									
UNK. DIBROMOAROMATIC (22.90)									
UNK. DICHLOROALKANOL (9.67)									
UNK. DICHLOROAROMATIC (28.54)									
UNK. DICHLOROBIPHENYL (24.80)									
UNK. DIMETHYLPYRIDINE (12.31)								28 J	
UNK. HALOGENATED ALIPHATIC (13.64)									
UNK. IMADAZOLIDINDIONE (16.78)									
UNK. IMADAZOLIDINDIONE (17.01)									
UNK. METHBENZENESULFONIC ACID (22.81)									
UNK. MIX BENZENESULFONYL (21.05)									
UNK. MIX TRIMETH PHENOL/AROMA (20.85)									
UNK N-PHENYLSULFONYL/BENSULF (30.18)									
UNK. NITROANILINE (23.16)									
UNK. NITROANILINE (23.30)									
UNK. NITROAROMATIC (20.18)									
UNK. NITROAROMATIC (20.23)									
UNK. NITROAROMATIC (22.06)									
UNK. NITROAROMATIC (22.15)									
UNK. NITROAROMATIC (22.21)									
UNK. NITROAROMATIC (22.30)									
UNK. NITROAROMATIC (22.56)									
UNK. NITROAROMATIC (22.44)									
UNK. NITROBENZENE (22.11)									
UNK. NITROBENZENE (22.40)					43 J				
UNK. NITROBENZENEAMINE (22.21)					76 J				
UNK. NITROFLUOROBENZENE (12.85)									
UNK. NITROGEN CONTAINING (12.23)					16 J				
UNK. NITROGEN HETEROCYCLIC (12.30)									
UNK. NITROGEN HETEROCYCLE (15.78)									
UNK. METHYLNITROBENZENE AMINE (23.32)					7 J				
UNK. PHENYLSULFONYLBENXSULFON (30.20)									
UNK POLYHALOGENATED ALIPHATIC (13.93)									
UNK. SUBST MORPHOLINE (26.75)									
UNK. SUBST BENZENEMETHANOL (16.22)									
UNK. SUBST BENZENESULFONAMIDE (21.89)									
UNK. SUBST BENZYL ALCOHOL (17.26)									
UNK. SUBST BIPHENYL (26.86)									
UNK. SUBST BROMOBENZENE (29.52)									
UNK. SUBST BROMOBENZOIC ACID (19.04)								27 J	

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest S. Number	RNS-GW-D14DL	RNS-GW-D19	RNS-GW-D1.	RNS-GW-S7	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D13	RNS-GW-D12	RNS-GW-D12DL
Laboratory Sample Number	S280DL	S281	S281DL	S283	S284	S284DL	S285	S287	S287DL
Remarks	Dilution		Dilution			Dilution			Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS		Duplicate of RNS-GW-D14	Duplicate of RNS-GW-D14						
UNK SUBST CHLORINATED BENZENE (36 02)									
UNK SUBST BIPHENYL (26 95)									
UNK SUBST BIPHENYL (26 50)								65 J	
UNK SUBST BIPHENYL (26 73)									
UNK SUBST PHENYLBUTENONE (17.96)									
UNK SULFONATED AROMATIC (25 89)					28 J				
UNK SULFONATED BENZENE (30.09)									
UNK SULFONYL BENZENE (18 51)									
UNK SULFONYLBENZENE (25 66)									
UNK TRICHLOROALIPHATIC (10 23)									
UNK TRICHLOROALIPHATIC (20 66)					1200 J				
UNK TRIFLUOROMET ANILINE (12 79)									
UNK TRIFLUOROMET BENZEAMINE (12 83)									
UNK TRIFLUOROMET BENZENAMINE (12 82)									
UNK TRIFLUOROMETBENZEAMINE (11 48)									
UNK TRIFLUOROMETBENZENAMINE (12.79)									
UNK TRIFLUOROMETHBENZENAMINE (12 78)					110 J				
UNK TRIFLUOROMETHYL ANLINE (12 84)									
UNK TRIFLUOROMETHYLBENZENAM (11 49)									

EXTRACTABLE GANIC ANALYSIS

ERM-Midw umber	RNS-GW-S12	RNS-GW-S12DL	RNS-G	S-GW-S21RE	RNS-GW-S21DL	RNS-GW-D2	RNS-GW-D2DL	RNS-	-GW-S8DL
Laboratory ber	S288RE	S288DL	S2	S289RE	S289DL	S290	S290DL	S29	S291DL
Remarks		Dilution		Reanalysis	Dilution		Dilution		Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS			Duplicate of RNS-GW-S12	Duplicate of RNS-GW-S12	Duplicate of RNS-GW-S12				
1,1'-BIPHENYL-2-OL (20.31)									
1,1'-BIPHENYL-2-OL (20.36)					100 J				
1,2-ETHANEDIOL, 1-PHENYL (17.20)									
1,2-ETHANEDIOL, 1-PHENYL (17.47)									
1,2-CYCLOHEXANDIOL (13.00)						6 R		6 R	
1,2-CYCLOHEXANDIOL (13.04)									
1H-INDOLE-3-ETHANOL, 5-HYDRO (22.87)									
3-BUTEN-2-ONE, 4-PHENYL- (18.14)					380 J				
2-CYCLOHEXEN-1-ONE (10.42)									
2-CYCLOHEXEN-1-ONE (10.49)									
CYCLOPENTANECARBOXALDEHYDE (8.40)									
2-PROPANOL, 1,3-DICHLORO- (9.62)		170 J							
4-BENZOYLMORPHOLINE (22.77)								3 J	
BENYOYL GLYCINE+UNKNOWN (23.58)		120 J							
BENZAMIDE (18.31)		120 J							
BENZENAMINE, 2- (TRIFLUOROMET) (11.46)									
BENZAMIDE (18.98)			190 J						
BENZENE, 1,1'-SULFONYLBIS (25.55)									
BENZENE,1-NITRO-3-(TRIFLUOR) (12.86)	150 J	240 J			260 J				
BENZENE,1-NITRO-3-(TRIFLUOR) (12.90)				280 J					
BENZENESULFONAMIDE (20.66)							69 J		
BENZENESULFONAMIDE (20.70)									
BENZENESULFONAMIDE (20.74)									
BENZENESULFONAMIDE (20.78)						160 J			
BENZENESULFONAMIDE (20.86)									
BENZENESULFONAMIDE (20.91)									2900 J
BENZENESULFONAMIDE (21.11)									
BENZENESULFONAMIDE (21.29)		6000 J							
BENZENESULFONAMIDE (21.34)					4400J				
BENZENESULFONAMIDE (21.47)	3200 J								
BENZENESULFONAMIDE (21.54)				1800 J				2000 J	
BENZENESULFONAMIDE (21.59)									
BENZENESULFONAMIDE (21.63)									
BENZENESULFONAMIDE (21.68)									
BENZENESULFONAMIDE, 2-METHYL (21.78)									
BENZENESULFONAMIDE, 4-CHLORO (22.38)	1300 J								
BENZENESULFONAMIDE, 4-CHLORO (22.98)									
BENZENESULFONAMIDE, 4-CHLORO (23.14)		2000 J			1600 J				
BENZENESULFONAMIDE, 4-CHLORO (23.30)			1700 J						
BENZENESULFONAMIDE, 4-METHYL (22.14)									
BENZENESULFONAMIDE, 4-METHYL (22.28)									
BENZENESULFONAMIDE, 4-METHYL (22.33)									
BENZENESULFONAMIDE, 4-METHYL (22.46)									

EXTRACTABLE ANIC ANALYSIS

ERM-Midwest S. Number	RNS-GW-S12	RNS-GW-S12DL	RNS-GW-S.	RNS-GW-S21RE	RNS-GW-S21DL	RNS-GW-D2	RNS-GW-D2DL	RNS-GW-S6	RNS-GW-S6DL
Laboratory Sample Number	S288RE	S288DL	S289	S289RE	S289DL	S290	S290DL	S291	S291DL
Remarks		Dilution		Reanalysis	Dilution		Dilution		Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS			Duplicate of RNS-GW-S12	Duplicate of RNS GW-S12	Duplicate of RNS-GW-S12				
BENZENESULFONAMIDE, 4 METHYL (22 79)									
BENZENESULFONAMIDE, 4-METHYL (22 84)									
BENZENESULFONAMIDE, 4-METHYL+UNK (23 06)									
BENZENESULFONAMIDE, N-PHENYL (30 08)				790 J					
BENZENESULFONAMIDE+UNK AROMATIC (20 76)									
BENZENESULFONAMIDE+UNK NITROAROM (20 92)					1300 J				
BENZENESULFONAMIDE+UNKNOWN (21 01)									
BENZENESULFONAMIDE+UNKNOWN (21 83)									
BENZENESULFONAMIDE+UNK AROMA (21 56)			2700 J						
BENZENESULFONAMINDE+UNK (21 59)									
BENZOIC ACID (14 72)						2 J			
BENZOIC ACID (14 77)									
BENZOIC ACID (14 84)									
BENZOIC ACID (15 03)									
BENZOIC ACID (15 56)	590 J								
BENZOIC ACID (15 90)									
BENZOIC ACID (18 30)									
BENZOIC ACID (18 42)				380 J					
BENZOIC ACID + MIX UNKNOWN (18 46)			12,000 J						
BENZOIC ACID + UNKNOWN (15 29)									
BENZOIC ACID + UNKNOWNS (17 53)					1400 J				
BENZOIC ACID + UNKNOWNS (18 01)	15,000 J								
BENZOIC ACID + UNKNOWNS (18 25)				3400 J					
BENZOIC ACID + UNKCHLORPHENYE(16 20)			90 J						
BENZOIC ACID , 2-BROMO- (18 80)									
BENZOIC ACID, 2 BROMO- (18 96)									
BENZOIC ACID, 2-BROMO- (19 04)									
BENZOIC ACID, 2-BROMO- (19 80)				280 J					
BENZONITRILE (11 57)	120 J	160 J			170 J				
BENZONITRILE (11 85)									
BENZONITROLE (11 63)				160 J					
BENZOPHENONE (21 87)									
BROMOBENZOIC ACID+UNKNOWN (18.79)									
BROMOBENZOIC ACID+UNKNOWN (19 86)	650 J								
CARBOXYLIC ACID (17 82)									
CHLOROBENZENESULFONAMIDE (23.04)									
CHLOROBENZENESULFONAMIDE+UNK (23.27)				1300 J					
CHLOROBENZENESULFONAMIDE+UNK (23 34)									
DECANOIC ACID (17 80)									
DIBROMOBENZOIC ACID (22 74)		170 J							
5,5-DIPH-2,4-IMIDAZOLIDINEDIONE (29.74)									
DIPHENYLMETHANONE (22 04)									
DIPHENYLMETHANONE+UNK (22.03)									

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-GW-S12	RNS-GW-S12DL	RNS-GW-[illegible]	-GW-S21RE	RNS-GW-S21DL	RNS-GW-D2	RNS-GW-D2DL	RNS-GW-[illegible]	GW-S8DL
Laboratory Sample Number	S288RE	S288DL	S289[illegible]	S289RE	S289DL	S290	S290DL	S291	S291DL
Remarks		Dilution		Reanalysis	Dilution		Dilution		Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS			Duplicate of RNS-GW-S12	Duplicate of RNS-GW-S12	Duplicate of RNS-GW-S12				
DODECANAMIDE, N,N-BIS(2-HYDR) (20.51)									
ETHANEDIONE, DIPHENYL- (24.06)									
ETHANONE, 1-PHENYL- (13.17)		180 J			170 J				
ETHANONE, 1-PHENYL- (13.21)	140 J								
ETHANONE, 1-PHENYL- (13.26)				220 J					
ETHYLMETHYLBENZENESULFONAMID (22.90)									
IMIDAZOLIDINEDIONE UNK SUBS (16.90)									
METHANONE, DIPHENYL- (21.85)									
METHYLSULFONYLBENZENE (18.52)									
1-PHENYLETHANONE + UNK. (13.14)									
MIX ALIPHATIC UNKOWNS (20.78)			140 J						
MIX ANILINE + CHLOROALIPHATIC (20.72)									
MIX AROMATIC + UNKNOWNS (18.16)		180 J							
MIX AROMATIC UNKNOWNS (18.79)				170 J					
MIX BENYOYL+HYDROXYBENZOIC A (18.24)	120 J								
MIX BENZOIC ACID+UNK (19.12)									
MIX BENZOIC ACID+UNKNOWNS (14.82)								11 J	
MIX BENZOIC ACID+UNKNOWNS (16.32)	1700 J								
MIX BENZOIC ACID+UNKNOWNS (17.44)		900 J							
MIX BENZOIC ACID+UNK ALIPHATIC(18.56)									
MIX BENZOYL+UNKNOWN (23.73)			480 J						
MIX BENZOYL+UNK. ALKOYBENZENE (15.78)									
MIX BENZSULFONAMIDE/UNKNOWN (20.98				130 J					
MIX BROMOALKYL+UNKNOWNS (13.88)									
MIX BROMOALKYL+UNKNOWNS (8.20)			560 J						
MIX BROMOBENZOIC+NITROPHENET (19.94)			110 J						
MIX CHLORINATED ALIPHATIC (12.83)			300 J	230 J					
MIX CHLORINATED AROMATIC+UNK(26.35)									
MIX CHLOROBENZOIC ACID+UNK.(17.99)									
MIX CHLOROBENZOIC ACID+UNK (19.06)						2 J			
MIX CYANOBENZENE+UNKNOWNS (28.31)				120 J					
MIX NETHYL4METHYLBENZULFA+UN(22.96)			92 J						
MIX NITROBENZOIC ACID+CHLBENS(21.10)			98 J						
MIX SUB BENZENESULFONAMIDE&SILA (30.09)				1200 J					
MIX SULFONATED BENZENE+UNK. (21.46)									
MIX UNK ALIPHATIC & SILANE (30.26)									
MIX UNK ALIPHATIC & SILANE (31.26)								5 J	
MIX UNK ALIPHATIC & SILANE (32.22)									
MIX UNK ALIPHATIC & SILANE (34.04)								3 R	
MIX UNK ALIPHATIC (20.77)									
MIX UNK ALIPHATIC HYDRO&SILANE (31.19)				120 J					
MIX UNK ALIPHATIC HYDRO&SILANE (32.23)									
MIX UNK ALIPHATIC HYDRO&SILANE (33.39)									

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest S. Number	RNS-GW-S12	RNS-GW-S12DL	RNS-GW-S.	RNS-GW-S21RE	RNS-GW-S21DL	RNS-GW-D2	RNS-GW-D2DL	RNS-GW-S6	RNS-GW-S6DL
Laboratory Sample Number	S288RE	S288DL	S289	S289RE	S289DL	S290	S290DL	S291	S291DL
Remarks		Dilution		Reanalysis	Dilution		Dilution		Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS			Duplicate of RNS-GW-S12	Duplicate of RNS-GW-S12	Duplicate of RNS-GW-S12				
MIX UNK ALIPHATIC HYDRO&SILANE (33 44)									
MIX UNK ALIPHATIC HYDRO&SILANE (34 82)						2 R			
MIX UNK ALIPHATIC HYDRO&SILANE (34 87)									
MIX UNK ALIPHATICS (13 95)									
MIX UNK ALIPHATICS (16 89)			87 J						
MIX UNK ALKOXYBENZENE+UNK (16 10)									
MIX UNK ALKYLBENZENE (17 98)									
MIX UNK AROMATICS (20 23)									
MIX UNK AROMATIC (20 67)									
MIX UNK AROMATIC (20 76)									
MIX UNK AROMATIC (20 88)									
MIX UNK AROMATIC (21 13)									
MIX UNK AROMATIC (23 05)									
MIX UNK AROMATIC (25 63)									
MIX UNK AROMATIC +UNK (30 92)									
MIX UNK AROMATIC+UNK ALIPHAT									
MIX UNK AROMATICS (27 06)									
MIX UNK AROMATICS (37 26)									
MIX UNK BENZOIC ACID+CHLOROP (15 37)									
MIX UNK BENZYL ALCOHOL (18 67)	650 J								
MIX UNK BROMOBENZOIC ACID (19 24)									
MIX UNK DICHLOROPHENOL+BENZO (18 72)									
MIX UNK FLUORINATED AROMATIC (23 11)									
MIX UNK HYDROCARB+CHLOROHYD (28 50)									
MIX UNK NITROBENZENEAMINE+UNK (22 52)									
MIXTURE UNKNOWNS (11.43)									
MIXTURE UNKNOWNS (11 60)									
MIXTURE UNKNOWNS (13 71)									
MIXTURE UNKNOWNS (13 95)		3100 J			160 J				
NITROAROMITIC UNKNOWNS									
NITROBENZEN+BENZOIC ACID MIX (16 41)	640 J								
1,4-PENTADIENE-3-ONE,1,5-DIPHEN. (29.39)	510 J								
PHENYLETHANONE (13 23)									
PHENYLETHANONE (13 33)									
PHENOL,2,4-DICHLORO-,BENZENE (27 61)									
PHENOL,2,4-DICHLORO-,BENZENE (27 66)									
2-PROPEN-1-ONE,1-(NITROPHENYL) (30.03)									
SULFUR, MOL. (S8) (25.79)									
1,1-SULFONYLBISBENZNE (25.22)									
TRIFLUOROMET ANILINE SUB UNK (12.82)									
TRIFLUOROMETBENZENAMINE+UNK. (12.88)									
UNK. ACETYL (18.78)									
UNK. ACID (16.35)			190 J						

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-GW-S12	RNS-GW-S12DL	RNS-GW-S289	S-GW-S21RE	RNS-GW-S21DL	RNS-GW-D2	RNS-GW-D2DL	RNS-GW-S291	-GW-S8DL
Laboratory Sample Number	S288RE	S288DL		S289RE	S289DL	S290	S290DL		S291DL
Remarks		Dilution		Reanalysis	Dilution		Dilution		Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS			Duplicate of RNS-GW-S12	Duplicate of RNS-GW-S12	Duplicate of RNS-GW-S12				
UNK. ALIPHATIC (9.48)									
UNK. ALIPHATIC (12.23)									
UNK. ALIPHATIC (12.33)					150 J				
UNK. ALIPHATIC (16.32)									
UNK. ALIPHATIC (19.73)									
UNK. ALIPHATIC (20.66)									
UNK. ALIPHATIC (26.84)					140 J				
UNK. ALIPHATIC (9.62)									
UNK. ALIPHATIC + SILANE (31.30)					160 J				
UNK. ALIPHATIC ACID (19.63)									
UNK. ALIPHATIC ACID (20.50)									
UNK. ALIPHATIC ALCOHOL (11.85)									
UNK. ALIPHATIC AMINE (8.78)									
UNK. ALIPHATIC AMINE (8.82)									
UNK. ALIPHATIC HYDROCARB (8.34)									
UNK. ALIPHATIC HYDROCARB (12.23)									
UNK. ALIPHATIC HYDROCARB (12.35)		140 J							
UNK. ALIPHATIC HYDROCARB (12.44)									
UNK. ALIPHATIC HYDROCARB (20.52)									
UNK. ALIPHATIC HYDROCARB (27.60)									
UNK. ALIPHATIC HYDROCARB (28.52)						3 J			
UNK. ALIPHATIC HYDROCARB (29.41)						8 J			
UNK. ALIPHATIC HYDROCARB (30.24)						11 R		5 R	
UNK. ALIPHATIC HYDROCARB (31.15)						11 J			
UNK. ALIPHATIC HYDROCARB (31.19)									
UNK. ALIPHATIC HYDROCARB (32.19)						9 J			
UNK. ALIPHATIC HYDROCARB (32.23)									
UNK. ALIPHATIC HYDROCARB (33.44)						5 J			
UNK. ALIPHATIC HYDROCARB (34.81)									
UNK. ALIPHATIC HYDROCARB (34.87)									
UNK. ALIPHATIC HYDRO+SILANE (29.41)									
UNK. ALIPHATIC HYDRO+SILANE (30.27)									
UNK. ALIPHATIC HYDRO+SILANE (31.18)									
UNK. ALIPHATIC POLYCHLORINAT (32.23)								4 J	
UNK. ALKOXYBENZENE (15.69)									
UNK. ALKOXYBENZENE (16.00)								6 J	
UNK. ALKOXYBENZENE (16.04)						4 J		31 J	30 J
UNK. ALKOXYBENZENE (16.09)	3200 J	400 J							
UNK. ALKOXYBENZENE (16.18)									
UNK. ALKOXYBENZENE (18.31)									
UNK. ALKOXYBENZENE (18.93)					110 J				
UNK. ALKOXYETHANOL (11.88)				130 J					
UNK. ALKOXYETHANOL (11.89)									

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest S[illegible] Number	RNS-GW-S12	RNS-GW-S12DL	RNS-GW-S[illegible]	RNS-GW-S21RE	RNS-GW-S21DL	RNS-GW-D2	RNS-GW-D2DL	RNS-GW-S6	RNS-GW-S6DL
Laboratory Sample Number	S288RE	S288DL	S289	S289RE	S289DL	S290	S290DL	S291	S291DL
Remarks		Dilution		Reanalysis	Dilution		Dilution		Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS			Duplicate of RNS-GW-S12	Duplicate of RNS-GW-S12	Duplicate of RNS-GW-S12				
UNK ALKOXY SUB ALIPHATIC ALC (15 19)									
UNK ALKYL AMINE (8 82)									
UNK ALKYLBENZENE (8 89)									
UNK ALKYLBENZENE (9 16)									
UNK ALKYLBENZENE ALKOXY SUB (24 76)									
UNK ALKYLPYRIDINE (12 25)									
UNK AMINE (12 26)	110 J								
UNK AMINO BENZOIC ACID (20 50)									
UNK AMINOPHENYLETHANONE (17 19)								3 J	
UNK AMINOPHENYLETHANONE (19 95)									
UNK AMINOPHENYLETHANONE (20 02)									
UNK AROMATIC (17 02)									
UNK AROMATIC (17 25)									
UNK AROMATIC (17 94)									
UNK AROMATIC (17 99)									
UNK AROMATIC (18 50)									
UNK AROMATIC (22 17)								3 J	
UNK AROMATIC (23 14)									
UNK AROMATIC (23 31)									
UNK AROMATIC (25 24)									
UNK AROMATIC (26 49)									
UNK AROMATIC (26 55)									
UNK AROMATIC (38 55)									
UNK AROMATIC (40 19)									
UNK AROMATIC (41 06)									
UNK AROMATIC ACID (16 33)									
UNK AROMATIC ALCOHOL (17.14)									
UNK AROMATIC AMINE (8 74)									
UNK AROMATIC AMINE (24 86)									
UNK AROMATIC AMINE (25 31)									
UNK BENZENE METHANOL (16 58)									
UNK BENZENE SULFONATED (21 49)									
UNK BENZENEDIOL (16 44)									
UNK BENZENEAMINE (22 50)									
UNK BENZENESULFONAMIDE+AROMA (21.35)									
UNK BENZENESULFONAMIDE+NITROBEN (21.02)									
UNK BENZENESULFONAMIDE+UNKOWN (21.10)	800 J								
UNK BENZOFURAN + UNK BENZOYL (35.01)									
UNK BENZOFURAN + UNK BENZOYL (33.35)									
UNK BENZOIC ACID (18 67)			1440 J						
UNK BENZOIC ACID (18.00)									
UNK BENZOIC ACID (18.97)									
UNK BENZOIC [illegible] (15.50)									

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Number	RNS-GW-S12	RNS-GW-S12DL	RNS-GW-	S-GW-S21RE	RNS-GW-S21DL	RNS-GW-D2	RNS-GW-D2DL	RNS-G	-GW-S8DL
Laboratory Sample Number	S288RE	S288DL	S28	S289RE	S289DL	S290	S290DL	S291	S291DL
Remarks		Dilution		Reanalysis	Dilution		Dilution		Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS			Duplicate of RNS-GW-S12	Duplicate of RNS-GW-S12	Duplicate of RNS-GW-S12				
UNK. BENZOYL (16.23)									
UNK. BENZOYL (21.86)									
UNK. BENZOYL (23.62)									
UNK. BENZOYL (23.76)					210 J				
UNK. BENZOYL (24.10)			200 J						
UNK. BENZOYL + UNK (15.13)									
UNK. BENZYL ALCOHOL (18.67)									
UNK. BIPHENYL (25.69)					150 J				
UNK. BIPHENYL (26.83)									
UNK. BIPHENYL SUBSTITUTED (26.80)									
UNK. BIPHENYLOL (20.27)									
UNK. BIPHENYLOL (20.33)									
UNK. BIPHENYLOL (20.42)									
UNK. BIPHENYLOL (20.55)									
UNK. BIPHENYLOL (20.67)			130 J						
UNK. BIPHENYLOL (26.73)									
UNK. BIPHENYLOL (26.85)									
UNK. BROMINATED ALIPHATIC (11.99)	100 J		87 J						
UNK. BROMOALIPHATIC (12.03)		170 J			160 J				
UNK. BROMOALIPHATIC (13.96)	120 J								
UNK. BROMOALIPHATIC (22.30)				2300 J				3 J	
UNK. BROMOALIPHATIC (8.03)				580 J					
UNK. BROMOALIPHATIC (8.22)	150 J								
UNK. BROMOALKYL (12.11)				390 J					
UNK. BROMOAROMATIC (16.83)				150 J					
UNK. BROMOAROMATIC (20.21)									
UNK. BROMOBENZOIC ACID (18.79)									
UNK. BROMOBENZOIC ACID (18.83)									
UNK.BROMOBENZOIC ACID (18.90)									
UNK. BROMOBENZOIC ACID (18.96)									
UNK. BROMOBENZOIC ACID (19.10)									
UNK. BROMOBENZOIC ACID (19.19)									
UNK. BROMOBENZOIC ACID (19.25)			190 J						
UNK. BROMOBENZOIC ACID (19.31)									
UNK. BROMOBENZOIC ACID (19.38)		320 J			210 J				
UNK. BROMOBENZOIC ACID (19.65)		410 J			540 J				
UNK. BROMOBENZOIC ACID (19.72)		700 J			740 J				
UNK. BROMOBENZOIC ACID (19.84)				180 J					
UNK. BROMOBENZOIC ACID (20.24)			410 J						
UNK. BROMOBENZOIC ACID (20.37)									
UNK. BROMOBENZOIC ACID (22.82)									
UNK. BROMOBENZOIC ACID+AROMATIC (20.34)				200 J					
UNK. BROMODICHLORBENZENE (16.83)									

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest S[illegible] Number	RNS-GW-S12	RNS-GW-S12DL	RNS-GW-S[illegible]	RNS-GW-S21RE	RNS-GW-S21DL	RNS-GW-D2	RNS-GW-D2DL	RNS-GW-S8	RNS-GW-S8DL
Laboratory Sample Number	S288RE	S288DL	S289	S289RE	S289DL	S290	S290DL	S291	S291DL
Remarks		Dilution		Reanalysis	Dilution		Dilution		Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS			Duplicate of RNS-GW-S12	Duplicate of RNS-GW-S12	Duplicate of RNS-GW-S12				
UNK CARBOXYLIC ACID (17 81)									
UNK CHLORINATED ALKLBENZENE (16 61)									
UNK CHLORINATED ALIPHATIC (28 51)									
UNK CHLORINATED AROMATIC (19 77)								4 J	
UNK CHLORINATED AROMATIC (37 31)									
UNK CHLORINATED AROMATIC (20 77)									
UNK CHLORINATED AROMATIC (20 83)									
UNK CHLORINATED BIPHENYLOL (22 79)									
UNK CHLORINATED BIPHENYL (26 49)									
UNK CHLORINATED BIPHENYL (29 54)									
UNK CHLORINATEDCYCLOHEXANONE (12 92)									
UNK CHLORINATED NAPTHYLENE (26 38)									
UNK CHLOROALKANOL (9 82)									
UNK CHLOROALKYL AROMATIC (20 79)				110 J					
UNK CHLOROAROMATIC (36 07)								200 J	
UNK CHLOROBENZENESULFONAMIDE (22 86)									
UNK CHLOROBENZENESULFONAMIDE (22 91)									
UNK CHLOROBENZENESULFONAMIDE (22 96)		250 J			190 J				
UNK CHLOROBENZOIC ACID (17 99)									
UNK CHLOROBENZOIC ACID (18 76)									
UNK CHLOROBENZOIC ACID (18 85)	120 J								
UNK CHLOROBIPHENYL (26 39)			150 J						
UNK CHLOROBIPHENYLOL (22 79)									
UNK CHLOROBIPHENYLOL (28 51)									
UNK CHLOROBIPHENYL (26 52)									
UNK CHLORINATED BIPHENYLOL (28 53)									
UNK CHLOROCYCLOHEXANOL (12 48)									
UNK CHLOROCYCLOHEXANONE (12 97)									
UNK CHLOROETHENYLBENZENE (13 28)									
UNK CHLORONITROAROMATIC (36 06)									
UNK CYCLIC ALCOHOL (9 39)									
UNK CYCLIC ALIPHATIC (15 90)									
UNK CYCLOALKANOL (9 47)									
UNK CYCLOHEXANE (13 22)									
UNK CYCLOHEXANOL (9 42)									
UNK CYCLOHEXANOL (12 43)									
UNK CYCLOHEXANOL (12 47)						3 R			
UNK CYCLOHEXANOL (12 52)									
UNK CYCLOHEXENOL (9 45)									
UNK CYCLOHEXENOL (9 49)									
UNK CYCLOHEXENOL+UNK MIX (9 42)						5 J			
UNK CYCLOHEXYL (12 47)									
UNK DIBROMO[illegible]ATIC (13 81)									

EXTRACTABLE ANIC ANALYSIS

ERM-Midwes umber	RNS-GW-S12	RNS-GW-S12DL	RNS-GW	-GW-S21RE	RNS-GW-S21DL	RNS-GW-D2	RNS-GW-D2DL	RNS-GW	-GW-S8DL
Laboratory Sa ber	S288RE	S288DL	S28	S289RE	S289DL	S290	S290DL	S291	S291DL
Remarks		Dilution		Reanalysis	Dilution		Dilution		Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS			Duplicate of RNS-GW-S12	Duplicate of RNS-GW-S12	Duplicate of RNS-GW-S12				
UNK. DIBROMOBENZENE (22.82)	1800 J								
UNK. DIBROMOBENZENE (22.75)	150 J								
UNK. DIBROMOBENZOIC ACID (22.82)					180 J				
UNK. DIBROMOBENZOIC ACID (22.93)									
UNK DIBROMOAROMATIC (22.90)			320 J						
UNK. DICHLOROALKANOL (9.67)									
UNK. DICHLOROAROMATIC (28.54)	120 J								
UNK. DICHLOROBIPHENYL (24.80)									
UNK. DIMETHYLPYRIDINE (12.31)									
UNK. HALOGENATED ALIPHATIC (13.64)									
UNK. IMADAZOLIDINDIONE (16.78)				160 J					
UNK. IMADAZOLIDINDIONE (17.01)								4 J	
UNK. METHBENZENESULFONIC ACID (22.81)									
UNK. MIX BENZENESULFONYL (21.05)									
UNK. MIX TRIMETH PHENOL/AROMA (20.85)									
UNK N-PHENYLSULFONYL/BENSULF (30.18)									
UNK. NITROANILINE (23.16)									
UNK. NITROANILINE (23.30)									
UNK. NITROAROMATIC (20.18)									
UNK. NITROAROMATIC (20.23)									
UNK. NITROAROMATIC (22.06)									
UNK. NITROAROMATIC (22.15)		250 J							
UNK. NITROAROMATIC (22.21)		600 J			630 J				
UNK. NITROAROMATIC (22.30)	460 J								
UNK. NITROAROMATIC (22.56)			810 J						
UNK. NITROAROMATIC (22.44)			960 J	710 J					
UNK. NITROBENZENE (22.11)		940 J			900 J				
UNK. NITROBENZENE (22.40)									
UNK. NITROBENZENEAMINE (22.21)	220 J								
UNK. NITROFLUOROBENZENE (12.85)									
UNK. NITROGEN CONTAINING (12.23)									
UNK. NITROGEN HETEROCYCLIC (12.30)									
UNK. NITROGEN HETEROCYCLE (15.78)									
UNK. METHYLNITROBENZENE AMINE (23.32)									
UNK. PHENYLSULFONYLBENXSULFON (30.20)					280 J				
UNK POLYHALOGENATED ALIPHATIC (13.93)									
UNK. SUBST MORPHOLINE (26.75)									
UNK. SUBST BENZENEMETHANOL (16.22)									
UNK. SUBST BENZENESULFONAMIDE (21.89)									
UNK. SUBST BENZYL ALCOHOL (17.26)									
UNK. SUBST BIPHENYL (26.86)									
UNK. SUBST BROMOBENZENE (29.52)									
UNK. SUBST BROMOBENZOIC ACID (19.04)									

EXTRACTABLE ?ANIC ANALYSIS

ERM-Midwest S. e Number	RNS-GW-S12	RNS-GW-S12DL	RNS-GW-S.	.(NS-GW-S21RE	RNS-GW-S21DL	RNS-GW-D2	RNS-GW-D2DL	RNS-GW-Sb	(NS-GW-S8DL
Laboratory Sample Number	S288RE	S288DL	S289	S289RE	S289DL	S290	S290DL	S291	S291DL
Remarks		Dilution		Reanalysis	Dilution		Dilution		Dilution
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS			Duplicate of RNS-GW-S12	Duplicate of RNS-GW-S12	Duplicate of RNS-GW-S12				
UNK. SUBST CHLORINATED BENZENE (36.02)									
UNK SUBST BIPHENYL (26 95)									
UNK SUBST BIPHENYL (26 50)									
UNK. SUBST BIPHENYL (26 73)									
UNK. SUBST PHENYLBUTENONE (17.96)									
UNK SULFONATED AROMATIC (25.89)		150 J							
UNK. SULFONATED BENZENE (30 09)									
UNK. SULFONYL BENZENE (18.51)									
UNK. SULFONYLBENZENE (25.66)			690 J						
UNK TRICHLOROALIPHATIC (10 23)									
UNK TRICHLOROALIPHATIC (20.66)									
UNK TRIFLUOROMET ANILINE (12 79)		130 J							
UNK. TRIFLUOROMET BENZEAMINE (12 83)									
UNK. TRIFLUOROMET BENZENAMINE (12.82)									
UNK TRIFLUOROMETBENZEAMINE (11 48)									
UNK. TRIFLUOROMETBENZENAMINE (12 79)									
UNK. TRIFLUOROMETHBENZENAMINE (12.78)									
UNK. TRIFLUOROMETHYL ANLINE (12 84)									
UNK. TRIFLUOROMETHYLBENZENAM (11.49)									

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Number	RNS-GW-T1	RNS-GW-T1DL	RNS-GW-T2	-T2RE	RNS-GW-T2DL	RNS-GW-S18	RNS-GW-S18RE	RNS-GW-S18	W-S6
Laboratory Sample Number	S292	S292DL	S293	S293RE	S293DL	S294	S294RE	S294DL	S295
Remarks		Dilution		Reanalysis	Dilution		Reanalysis	Dilution	
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
1,1'-BIPHENYL-2-OL (20.31)									
1,1'-BIPHENYL-2-OL (20.36)									
1,2-ETHANEDIOL, 1-PHENYL (17.20)									
1,2-ETHANEDIOL, 1-PHENYL (17.47)									
1,2-CYCLOHEXANDIOL (13.00)									
1,2-CYCLOHEXANDIOL (13.04)									
1H-INDOLE-3-ETHANOL, 5-HYDRO (22.87)									
3-BUTEN-2-ONE, 4-PHENYL- (18.14)									
2-CYCLOHEXEN-1-ONE (10.42)									
2-CYCLOHEXEN-1-ONE (10.49)									
CYCLOPENTANECARBOXALDEHYDE (8.40)									
2-PROPANOL, 1,3-DICHLORO- (9.62)									
4-BENZOYLMORPHOLINE (22.77)									
BENYOYL GLYCINE+UNKNOWN (23.58)									
BENZAMIDE (18.31)									
BENZENAMINE, 2- (TRIFLUOROMET) (11.46)				57 J					
BENZAMIDE (18.98)									
BENZENE, 1,1'-SULFONYLBIS (25.55)									360 J
BENZENE,1-NITRO-3-(TRIFLUOR) (12.86)									
BENZENE,1-NITRO-3-(TRIFLUOR) (12.90)									
BENZENESULFONAMIDE (20.66)					1500 J			10,000 J	
BENZENESULFONAMIDE (20.70)									
BENZENESULFONAMIDE (20.74)		2500 J							
BENZENESULFONAMIDE (20.78)									
BENZENESULFONAMIDE (20.86)									
BENZENESULFONAMIDE (20.91)									
BENZENESULFONAMIDE (21.11)									
BENZENESULFONAMIDE (21.29)									
BENZENESULFONAMIDE (21.34)									
BENZENESULFONAMIDE (21.47)									
BENZENESULFONAMIDE (21.54)									
BENZENESULFONAMIDE (21.59)									
BENZENESULFONAMIDE (21.63)			2700 J				15,000 J		
BENZENESULFONAMIDE (21.68)	2800 J								
BENZENESULFONAMIDE, 2-METHYL (21.78)									
BENZENESULFONAMIDE, 4-CHLORO (22.38)									
BENZENESULFONAMIDE, 4-CHLORO (22.98)									
BENZENESULFONAMIDE, 4-CHLORO (23.14)									
BENZENESULFONAMIDE, 4-CHLORO (23.30)						1700 J			20 J
BENZENESULFONAMIDE, 4-METHYL (22.14)								1100 J	
BENZENESULFONAMIDE, 4-METHYL (22.28)									
BENZENESULFONAMIDE, 4-METHYL (22.33)									
BENZENESULFONAMIDE, 4-METHYL (22.46)									

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-GW-T1	RNS-GW-T1DL	RNS-GW-T2	RNS-GW-T2RE	RNS-GW-T2DL	RNS-GW-S18	RNS-GW-S18RE	RNS-GW-S18DL	RNS-GW-S6
Laboratory Sample Number	S292	S292DL	S293	S293RE	S293DL	S294	S294RE	S294DL	S295
Remarks		Dilution		Reanalysis	Dilution		Reanalysis	Dilution	
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
BENZENESULFONAMIDE, 4-METHYL (22 79)						2200 J			
BENZENESULFONAMIDE, 4-METHYL (22 84)							3400 J		
BENZENESULFONAMIDE, 4-METHYL+UNK (23 06)						500 J			
BENZENESULFONAMIDE, N-PHENYL (30 08)									
BENZENESULFONAMIDE+UNK AROMATIC (20 76)					500 J				
BENZENESULFONAMIDE+UNK NITROAROM (20 92)									
BENZENESULFONAMIDE+UNKNOWN (21 01)				360 J					
BENZENESULFONAMIDE+UNKNOWN (21 83)									2500 J
BENZENESULFONAMIDE+UNK AROMA (21 56)									
BENZENESULFONAMINDE+UNK (21 59)						13,000 J			
BENZOIC ACID (14 72)									
BENZOIC ACID (14 77)									
BENZOIC ACID (14 84)	8 J								
BENZOIC ACID (15 03)									
BENZOIC ACID (15 56)									
BENZOIC ACID (15 90)							920 J		30 J
BENZOIC ACID (18 30)						2400 J			
BENZOIC ACID (18 42)									
BENZOIC ACID + MIX UNKNOWN (18 46)									
BENZOIC ACID + UNKNOWN (15 29)								270,000 J	
BENZOIC ACID + UNKNOWNS (17 53)									
BENZOIC ACID + UNKNOWNS (18 01)									
BENZOIC ACID + UNKNOWNS (18 25)									
BENZOIC ACID + UNKCHLORPHENYE(16 20)									
BENZOIC ACID, 2-BROMO- (18 80)								2100 J	
BENZOIC ACID, 2-BROMO- (18 96)								4000 J	
BENZOIC ACID, 2-BROMO- (19 04)									
BENZOIC ACID, 2-BROMO- (19.80)									
BENZONITRILE (11.57)									
BENZONITRILE (11 85)							500 J		
BENZONITROLE (11 63)									
BENZOPHENONE (21 87)			28 J	20 J					
BROMOBENZOIC ACID+UNKNOWN (18 79)									
BROMOBENZOIC ACID+UNKNOWN (19 86)									
CARBOXYLIC ACID (17.82)									
CHLOROBENZENESULFONAMIDE (23.04)	42 J								
CHLOROBENZENESULFONAMIDE+UNK (23.27)									
CHLOROBENZENESULFONAMIDE+UNK (23.34)							4100 J		
DECANOIC ACID (17 80)									
DIBROMOBENZOIC ACID (22.74)									
5,5-DIPH-2,4-IMIDAZOLIDINEDIONE (29.74)						98 J			
DIPHENYLMETHANONE (22 04)							820 J		
DIPHENYLMETHANONE+UNK (22.03)						690 J			

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-GW-T1	RNS-GW-T1DL	RNS-GW-T2	RNS-GW-T2RE	RNS-GW-T2DL	RNS-GW-S18	RNS-GW-S18RE	RNS-GW-S18DL	RNS-GW-S6
Laboratory Sample Number	S292	S292DL	S293	S293RE	S293DL	S294	S294RE	S294DL	S295
Remarks		Dilution		Reanalysis	Dilution		Reanalysis	Dilution	
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
DODECANAMIDE, N,N-BIS(2-HYDR) (20.51)									
ETHANEDIONE, DIPHENYL- (24.06)			65 J						
ETHANONE, 1-PHENYL- (13.17)									
ETHANONE, 1-PHENYL- (13.21)									
ETHANONE, 1-PHENYL- (13.26)				34 J					
ETHYLMETHYLBENZENESULFONAMID (22.90)	6 J								
IMIDAZOLIDINEDIONE UNK SUBS (16.90)									
METHANONE, DIPHENYL- (21.85)	11 J								
METHYLSULFONYLBENZENE (18.52)									
1-PHENYLETHANONE + UNK. (13.14)									
MIX ALIPHATIC UNKOWNS (20.78)									
MIX ANILINE + CHLOROALIPHATIC (20.72)								1100 J	
MIX AROMATIC + UNKNOWNS (18.16)									
MIX AROMATIC UNKNOWNS (18.79)									
MIX BENYOYL+HYDROXYBENZOIC A (18.24)									
MIX BENZOIC ACID+UNK (19.12)	4 J								
MIX BENZOIC ACID+UNKNOWNS (14.82)									
MIX BENZOIC ACID+UNKNOWNS (16.32)									
MIX BENZOIC ACID+UNKNOWNS (17.44)									
MIX BENZOIC ACID+UNK ALIPHATIC(18.56)							11000 J		
MIX BENZOYL+UNKNOWN (23.73)									
MIX BENZOYL+UNK. ALKOYBENZENE (15.78)									85 J
MIX BENZSULFONAMIDE/UNKNOWN (20.98									
MIX BROMOALKYL+UNKNOWNS (13.88)									
MIX BROMOALKYL+UNKNOWNS (8.20)									
MIX BROMOBENZOIC+NITROPHENET (19.94)									
MIX CHLORINATED ALIPHATIC (12.83)						8800 J			
MIX CHLORINATED AROMATIC+UNK(26.35)						580 J			
MIX CHLOROBENZOIC ACID+UNK.(17.99)									
MIX CHLOROBENZOIC ACID+UNK (19.06)									
MIX CYANOBENZENE+UNKNOWNS (28.31)									
MIX NETHYL4METHYLBENZULFA+UN(22.96)									
MIX NITROBENZOIC ACID+CHLBENS(21.10)									
MIX SUB BENZENESULFONAMIDE&SILA (30.09)									
MIX SULFONATED BENZENE+UNK. (21.46)									
MIX UNK ALIPHATIC & SILANE (30.26)									
MIX UNK ALIPHATIC & SILANE (31.26)									
MIX UNK ALIPHATIC & SILANE (32.22)									
MIX UNK ALIPHATIC & SILANE (34.04)									
MIX UNK ALIPHATIC (20.77)									
MIX UNK ALIPHATIC HYDRO&SILANE (31.19)									
MIX UNK ALIPHATIC HYDRO&SILANE (32.23)									
MIX UNK ALIPHATIC HYDRO&SILANE (33.39)									

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest S / Number	RNS-GW-T1	RNS-GW-T1DL	RNS-GW-T2	RNS-GW-T2RE	RNS-GW-T2DL	RNS-GW-S18	RNS-GW-S18RE	RNS-GW-S18DL	RNS-GW-S6
Laboratory Sample Number	S292	S292DL	S293	S293RE	S293DL	S294	S294RE	S294DL	S295
Remarks		Dilution		Reanalysis	Dilution		Reanalysis	Dilution	
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
MIX UNK ALIPHATIC HYDRO&SILANE (33 44)									
MIX UNK ALIPHATIC HYDRO&SILANE (34 82)									
MIX UNK ALIPHATIC HYDRO&SILANE (34 87)									
MIX UNK ALIPHATICS (13 95)									
MIX UNK ALIPHATICS (16 89)									
MIX UNK ALKOXYBENZENE+UNK (16 10)									
MIX UNK ALKYLBENZENE (17 98)				260 J					
MIX UNK AROMATICS (20 23)									450 J
MIX UNK AROMATIC (20 67)							1800 J		
MIX UNK AROMATIC (20 76)									
MIX UNK AROMATIC (20 88)									
MIX UNK AROMATIC (21 13)							4300 J		
MIX UNK AROMATIC (23 05)							880 J		
MIX UNK AROMATIC (25 63)				300 J					
MIX UNK AROMATIC +UNK (30 92)									
MIX UNK AROMATIC+UNK ALIPHAT									
MIX UNK AROMATICS (27 06)									
MIX UNK AROMATICS (37 26)									
MIX UNK BENZOIC ACID+CHLOROP (15 37)									
MIX UNK BENZYL ALCOHOL (18 67)									
MIX UNK BROMOBENZOIC ACID (19 24)									48 J
MIX UNK DICHLOROPHENOL+BENZO (18 72)									
MIX UNK FLUORINATED AROMATIC (23 11)	5 J								
MIX UNK HYDROCARB+CHLOROHYD (28 50)									
MIX UNK NITROBENZENEAMINE+UNK (22 52)									
MIXTURE UNKNOWNS (11 43)				230 J					
MIXTURE UNKNOWNS (11 60)							630 J		
MIXTURE UNKNOWNS (13 71)									
MIXTURE UNKNOWNS (13 95)									
NITROAROMITIC UNKNOWNS						440 J			
NITROBENZEN+BENZOIC ACID MIX (16.41)									
1,4-PENTADIENE-3-ONE,1,5-DIPHEN (29.39)									
PHENYLETHANONE (13 23)						79 J			
PHENYLETHANONE (13 33)							340 J		
PHENOL,2,4-DICHLORO-,BENZENE (27 61)			32 J						
PHENOL,2,4-DICHLORO-,BENZENE (27 66)									
2-PROPEN-1-ONE,1-(NITROPHENYL) (30 03)			100 J	96 J					
SULFUR, MOL (S8) (25 79)						74 J			
1,1-SULFONYLBISBENZNE (25 22)									
TRIFLUOROMET ANILINE SUB UNK (12 82)						120 J			
TRIFLUOROMETBENZENAMINE+UNK (12 88)									240 J
UNK ACETYL (18 78)									
UNK ACID (16.35)									

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-GW-T1	RNS-GW-T1DL	RNS-GW-T2	RNS-GW-T2RE	RNS-GW-T2DL	RNS-GW-S18	RNS-GW-S18RE	RNS-GW-S18	RNS-GW-S6
Laboratory Sample Number	S292	S292DL	S293	S293RE	S293DL	S294	S294RE	S294DL	S295
Remarks		Dilution		Reanalysis	Dilution		Reanalysis	Dilution	
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
UNK. ALIPHATIC (9.48)									
UNK. ALIPHATIC (12.23)				48 J					
UNK. ALIPHATIC (12.33)									
UNK. ALIPHATIC (16.32)									
UNK. ALIPHATIC (19.73)									
UNK. ALIPHATIC (20.66)									
UNK. ALIPHATIC (26.84)									
UNK. ALIPHATIC (9.62)									
UNK. ALIPHATIC + SILANE (31.30)									
UNK. ALIPHATIC ACID (19.63)									
UNK. ALIPHATIC ACID (20.50)									
UNK. ALIPHATIC ALCOHOL (11.85)									
UNK. ALIPHATIC AMINE (8.78)									
UNK. ALIPHATIC AMINE (8.82)									
UNK. ALIPHATIC HYDROCARB (8.34)									
UNK. ALIPHATIC HYDROCARB (12.23)									
UNK. ALIPHATIC HYDROCARB (12.35)									
UNK. ALIPHATIC HYDROCARB (12.44)									
UNK. ALIPHATIC HYDROCARB (20.52)									
UNK. ALIPHATIC HYDROCARB (27.60)									
UNK. ALIPHATIC HYDROCARB (28.52)									
UNK. ALIPHATIC HYDROCARB (29.41)									
UNK. ALIPHATIC HYDROCARB (30.24)									
UNK. ALIPHATIC HYDROCARB (31.15)									
UNK. ALIPHATIC HYDROCARB (31.19)									
UNK. ALIPHATIC HYDROCARB (32.19)									
UNK. ALIPHATIC HYDROCARB (32.23)									
UNK. ALIPHATIC HYDROCARB (33.44)									
UNK. ALIPHATIC HYDROCARB (34.81)									
UNK. ALIPHATIC HYDROCARB (34.87)									
UNK. ALIPHATIC HYDRO+SILANE (29.41)									
UNK. ALIPHATIC HYDRO+SILANE (30.27)									
UNK. ALIPHATIC HYDRO+SILANE (31.18)									
UNK. ALIPHATIC POLYCHLORINAT (32.23)									
UNK. ALKOXYBENZENE (15.69)									
UNK. ALKOXYBENZENE (16.00)	10 J							11,000 J	
UNK. ALKOXYBENZENE (16.04)		320 J			1000 J				
UNK. ALKOXYBENZENE (16.09)	200 J								50 J
UNK. ALKOXYBENZENE (16.18)			270 J				2600 J		
UNK. ALKOXYBENZENE (18.31)						500 J			
UNK. ALKOXYBENZENE (18.93)									
UNK. ALKOXYETHANOL (11.88)									
UNK. ALKOXYETHANOL (11.89)									

EXTRACTABLE ANIC ANALYSIS

ERM Midwest S. e Number	RNS-GW-T1	RNS-GW-T1DL	RNS-GW-T2	R GW-T2RE	RNS-GW-T2DL	RNS-GW-S18	RNS-GW-S18RE	RNS-GW-S18DL	RNS-GW-S6
Laboratory Sample Number	S292	S292DL	S293	S293RE	S293DL	S294	S294RE	S294DL	S295
Remarks		Dilution		Reanalysis	Dilution		Reanalysis	Dilution	
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
UNK ALKOXY SUB ALIPHATIC ALC (15 19)									
UNK ALKYL AMINE (8 82)									
UNK ALKYLBENZENE (8 69)									
UNK ALKYLBENZENE (9 16)							570 J		
UNK ALKYLBENZENE ALKOXY SUB (24 76)									
UNK ALKYLPYRIDINE (12 25)									
UNK AMINE (12 26)									
UNK AMINO BENZOIC ACID (20 50)									
UNK AMINOPHENYLETHANONE (17 19)									
UNK AMINOPHENYLETHANONE (19 95)									85 J
UNK AMINOPHENYLETHANONE (20 02)	11 J								
UNK AROMATIC (17 02)							5500 J		
UNK AROMATIC (17 25)	200 J		160 J						
UNK AROMATIC (17 94)									
UNK AROMATIC (17 99)			61 J						
UNK AROMATIC (18 50)			42 J						
UNK AROMATIC (22 17)	13 J								
UNK AROMATIC (23 14)							320 J		
UNK AROMATIC (23 31)							4800 J		
UNK AROMATIC (25 24)									
UNK AROMATIC (26 49)									
UNK AROMATIC (26 55)			56 J						
UNK AROMATIC (38 55)	10 J								
UNK AROMATIC (40 19)						110 J			
UNK AROMATIC (41 06)						110 J			
UNK AROMATIC ACID (16 33)									
UNK AROMATIC ALCOHOL (17 14)			48 J						
UNK AROMATIC AMINE (8 74)									
UNK AROMATIC AMINE (24 86)									
UNK AROMATIC AMINE (25 31)				61J					
UNK BENZENE METHANOL (16 58)									
UNK BENZENE SULFONATED (21 49)									
UNK BENZENEDIOL (16 44)									
UNK BENZENEAMINE (22 50)									
UNK BENZENESULFONAMIDE+AROMA (21.35)			390 J						
UNK BENZENESULFONAMIDE+NITROBEN (21.02)									
UNK BENZENESULFONAMIDE+UNKOWN (21.10)									
UNK BENZOFURAN + UNK BENZOYL (35.01)								21,000 J	
UNK BENZOFURAN + UNK BENZOYL (33.35)								12,000 J	
UNK BENZOIC ACID (18.67)									
UNK BENZOIC ACID (18.00)	4 J								
UNK BENZOIC ACID (18.97)				44 J					
UNK BENZOIC D (15.50)									22 J

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midw[illegible] lumber	RNS-GW-T1	RNS-GW-T1DL	RNS-GW[illegible]	[illegible]/-T2RE	RNS-GW-T2DL	RNS-GW-S18	RNS-GW-S18RE	RNS-GW-S1[illegible]	[illegible]GW-S6
Laboratory [illegible] ıber	S292	S292DL	S293	[illegible]3RE	S293DL	S294	S294RE	S294DL	S295
Remarks		Dilution		Reanalysis	Dilution		Reanalysis	Dilution	
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
UNK. BENZOYL (16.23)				41 J					
UNK. BENZOYL (21.86)									
UNK. BENZOYL (23.62)									
UNK. BENZOYL (23.76)									
UNK. BENZOYL (24.10)									
UNK. BENZOYL + UNK (15.13)							740 J		
UNK. BENZYL ALCOHOL (18.67)				68 J					
UNK. BIPHENYL (25.69)									
UNK. BIPHENYL (26.83)	3 J								
UNK. BIPHENYL SUBSTITUTED (26.80)			86 J			2300 J			
UNK. BIPHENYLOL (20.27)								1100 J	
UNK. BIPHENYLOL (20.33)									
UNK. BIPHENYLOL (20.42)									240 J
UNK. BIPHENYLOL (20.55)	120 J		170 J	160 J					
UNK. BIPHENYLOL (20.67)									
UNK. BIPHENYLOL (26.73)						1400 J			
UNK. BIPHENYLOL (26.85)							2800 J		
UNK. BROMINATED ALIPHATIC (11.99)									
UNK. BROMOALIPHATIC (12.03)									
UNK. BROMOALIPHATIC (13.96)									
UNK. BROMOALIPHATIC (22.30)									
UNK. BROMOALIPHATIC (8.03)									
UNK. BROMOALIPHATIC (8.22)									
UNK. BROMOALKYL (12.11)									
UNK. BROMOAROMATIC (16.83)									
UNK. BROMOAROMATIC (20.21)									
UNK. BROMOBENZOIC ACID (18.79)									
UNK. BROMOBENZOIC ACID (18.83)						12,000 J			
UNK BROMOBENZOIC ACID (18.90)									
UNK. BROMOBENZOIC ACID (18.96)									
UNK. BROMOBENZOIC ACID (19.10)			29 J						
UNK. BROMOBENZOIC ACID (19.19)									
UNK. BROMOBENZOIC ACID (19.25)			26 J	27 J					
UNK. BROMOBENZOIC ACID (19.31)									
UNK. BROMOBENZOIC ACID (19.38)									
UNK. BROMOBENZOIC ACID (19.65)	14 J								
UNK. BROMOBENZOIC ACID (19.72)									
UNK. BROMOBENZOIC ACID (19.84)									
UNK. BROMOBENZOIC ACID (20.24)							25,000 J		
UNK. BROMOBENZOIC ACID (20.37)							1400 J		
UNK. BROMOBENZOIC ACID (22.82)									
UNK. BROMOBENZOIC ACID+AROMATIC (20.34)									
UNK. BROMODICHLORBENZENE (16.83)						1400 J			

EXTRACTABLE ANIC ANALYSIS

ERM-Midwest S. Number	RNS-GW-T1	RNS-GW-T1DL	RNS-GW-T2	R GW-T2RE	RNS-GW-T2DL	RNS-GW-S18	RNS-GW-S18RE	RNS-GW-S18DL	RNS-GW-S6
Laboratory Sample Number	S292	S292DL	S293	S293RE	S293DL	S294	S294RE	S294DL	S295
Remarks		Dilution		Reanalysis	Dilution		Reanalysis	Dilution	
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
UNK CARBOXYLIC ACID (17 81)									
UNK CHLORINATED ALKLBENZENE (16 61)									
UNK CHLORINATED ALIPHATIC (28 51)									
UNK CHLORINATED AROMATIC (19 77)									
UNK CHLORINATED AROMATIC (37 31)			22 J	21 J					
UNK CHLORINATED AROMATIC (20 77)			21 J						
UNK CHLORINATED AROMATIC (20 83)									
UNK CHLORINATED BIPHENYLOL (22 79)									
UNK CHLORINATED BIPHENYL (26 49)				24 J					
UNK CHLORINATED BIPHENYL (29 54)									
UNK CHLORINATEDCYCLOHEXANONE (12 92)									
UNK CHLORINATED NAPTHYLENE (26 38)				21 J					
UNK CHLOROALKANOL (9 82)									
UNK CHLOROALKYL AROMATIC (20 79)									
UNK CHLOROAROMATIC (36 07)									
UNK CHLOROBENZENESULFONAMIDE (22 86)			42 J						
UNK CHLOROBENZENESULFONAMIDE (22 91)									
UNK CHLOROBENZENESULFONAMIDE (22 96)									
UNK CHLOROBENZOIC ACID (17 99)									
UNK CHLOROBENZOIC ACID (18 76)	6 J								
UNK CHLOROBENZOIC ACID (18 85)									
UNK CHLOROBIPHENYL (26 39)									
UNK CHLOROBIPHENYLOL (22 79)						290 J			
UNK CHLOROBIPHENYLOL (28 51)			26 J						
UNK CHLOROBIPHENYL (26 52)									
UNK CHLORINATED BIPHENYLOL (28 53)				340 J					
UNK CHLOROCYCLOHEXANOL (12 48)			28 J						
UNK CHLOROCYCLOHEXANONE (12 97)									
UNK CHLOROETHENYLBENZENE (13 28)	4 J								
UNK CHLORONITROAROMATIC (36 06)									
UNK CYCLIC ALCOHOL (9 39)				31 J					
UNK CYCLIC ALIPHATIC (15 90)									
UNK CYCLOALKANOL (9 47)									
UNK CYCLOHEXANE (13 22)									
UNK CYCLOHEXANOL (9 42)									
UNK CYCLOHEXANOL (12 43)									
UNK CYCLOHEXANOL (12 47)									
UNK CYCLOHEXANOL (12 52)									
UNK CYCLOHEXENOL (9 45)									
UNK CYCLOHEXENOL (9 49)									
UNK CYCLOHEXENOL+UNK MIX (9 42)									
UNK CYCLOHEXYL (12 47)									
UNK DIBROM IPHATIC (13 81)									

EXTRACTAB[illegible] GANIC ANALYSIS									
ERM-Midw[illegible] Number	RNS-GW-T1	RNS-GW-T1DL	RNS-GW-[illegible]	[illegible]V-T2RE	RNS-GW-T2DL	RNS-GW-S18	RNS-GW-S18RE	RNS-GW-S18[illegible]	[illegible]GW-S6
Laboratory Sa[illegible] nber	S292	S292DL	S293	[illegible]93RE	S293DL	S294	S294RE	S294DL	S295
Remarks		Dilution		Reanalysis	Dilution		Reanalysis	Dilution	
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
UNK. DIBROMOBENZENE (22.82)									
UNK. DIBROMOBENZENE (22.75)									
UNK. DIBROMOBENZOIC ACID (22.82)									
UNK. DIBROMOBENZOIC ACID (22.93)							2200 J		
UNK. DIBROMOAROMATIC (22.90)									
UNK. DICHLOROALKANOL (9.67)						2800 J			
UNK. DICHLOROAROMATIC (28.54)									
UNK. DICHLOROBIPHENYL (24.80)				28 J					
UNK. DIMETHYLPYRIDINE (12.31)									
UNK. HALOGENATED ALIPHATIC (13.64)									18 J
UNK. IMADAZOLIDINDIONE (16.78)									
UNK. IMADAZOLIDINDIONE (17.01)									
UNK. METHBENZENESULFONIC ACID (22.81)									25 J
UNK. MIX BENZENESULFONYL (21.05)	4 J								
UNK. MIX TRIMETH PHENOL/AROMA (20.85)									
UNK N-PHENYLSULFONYL/BENSULF (30.18)									
UNK. NITROANILINE (23.16)	190 J								
UNK. NITROANILINE (23.30)						760 J			
UNK. NITROAROMATIC (20.18)									
UNK. NITROAROMATIC (20.23)									
UNK. NITROAROMATIC (22.06)								2100 J	
UNK. NITROAROMATIC (22.15)						1600 J			
UNK. NITROAROMATIC (22.21)									
UNK. NITROAROMATIC (22.30)								3900 J	
UNK. NITROAROMATIC (22.56)							5600 J		
UNK. NITROAROMATIC (22.44)						12,000 J			
UNK. NITROBENZENE (22.11)									
UNK. NITROBENZENE (22.40)									
UNK. NITROBENZENEAMINE (22.21)									
UNK. NITROFLUOROBENZENE (12.85)				140 J					
UNK. NITROGEN CONTAINING (12.23)									
UNK. NITROGEN HETEROCYCLIC (12.30)									
UNK. NITROGEN HETEROCYCLE (15.78)	11 J								
UNK. METHYLNITROBENZENE AMINE (23.32)							4800 J		
UNK. PHENYLSULFONYLBENXSULFON (30.20)									
UNK POLYHALOGENATED ALIPHATIC (13.93)							8500 J		
UNK. SUBST MORPHOLINE (26.75)									
UNK. SUBST BENZENEMETHANOL (16.22)									
UNK. SUBST BENZENESULFONAMIDE (21.89)									
UNK. SUBST BENZYL ALCOHOL (17.26)	6 J								
UNK. SUBST BIPHENYL (26.86)				66 J					
UNK. SUBST BROMOBENZENE (29.52)				100 J					
UNK. SUBST BROMOBENZOIC ACID (19.04)									

EXTRACTABLE ANIC ANALYSIS

ERM-Midwest S. Number	RNS-GW-T1	RNS-GW-T1DL	RNS-GW-T2	R. GW-T2RE	RNS-GW-T2DL	RNS-GW-S18	RNS-GW-S18RE	RNS-GW-S18DL	GW-S6
Laboratory Sample Number	S292	S292DL	S293	S293RE	S293DL	S294	S294RE	S294DL	S295
Remarks		Dilution		Reanalysis	Dilution		Reanalysis	Dilution	
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS									
UNK SUBST CHLORINATED BENZENE (36.02)	47 J								
UNK SUBST BIPHENYL (26 95)									360 J
UNK SUBST BIPHENYL (26 50)									
UNK SUBST BIPHENYL (26 73)			340 J						18 J
UNK SUBST PHENYLBUTENONE (17.96)								1200	
UNK SULFONATED AROMATIC (25.89)	56 J								
UNK. SULFONATED BENZENE (30 09)			2300 J						
UNK SULFONYL BENZENE (18.51)									
UNK SULFONYLBENZENE (25 66)									
UNK TRICHLOROALIPHATIC (10 23)							4400 J		
UNK TRICHLOROALIPHATIC (20 66)									
UNK TRIFLUOROMET ANILINE (12 79)									
UNK TRIFLUOROMET BENZEAMINE (12 83)									
UNK TRIFLUOROMET BENZENAMINE (12 82)				890 J					
UNK TRIFLUOROMETBENZEAMINE (11 46)									
UNK. TRIFLUOROMETBENZENAMINE (12.79)									
UNK. TRIFLUOROMETHBENZENAMINE (12 78)									
UNK TRIFLUOROMETHYL ANLINE (12 84)									
UNK TRIFLUOROMETHYLBENZENAM (11 49)			920 J						

EXTRACTABLE GANIC ANALYSIS					
ERM-Midw Number	RNS-GW-S6DL	RNS-GW-D6	RNS-GW	IS-GW-D6DL	RNS-GW-S6-111
Laboratory ber	S295DL	S296	S296	S296DL	S297
Remarks	Dilution		Reanalysis	Dilution	Field Blank
Units	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS					
1,1'-BIPHENYL-2-OL (20.31)					
1,1'-BIPHENYL-2-OL (20.36)					
1,2-ETHANEDIOL, 1-PHENYL (17.20)		7 J			
1,2-ETHANEDIOL, 1-PHENYL (17.47)					
1,2-CYCLOHEXANDIOL (13.00)				47 R	
1,2-CYCLOHEXANDIOL (13.04)					
1H-INDOLE-3-ETHANOL, 5-HYDRO (22.87)					
3-BUTEN-2-ONE, 4-PHENYL- (18.14)					
2-CYCLOHEXEN-1-ONE (10.42)			24 R	30 R	
2-CYCLOHEXEN-1-ONE (10.49)		27 R			2 R
CYCLOPENTANECARBOXALDEHYDE (8.40)		8 J			
2-PROPANOL, 1,3-DICHLORO- (9.62)					
4-BENZOYLMORPHOLINE (22.77)					
BENYOYL GLYCINE+UNKNOWN (23.58)					
BENZAMIDE (18.31)					
BENZENAMINE, 2- (TRIFLUOROMET) (11.46)					
BENZAMIDE (18.98)					
BENZENE, 1,1'-SULFONYLBIS (25.55)					
BENZENE,1-NITRO-3-(TRIFLUOR) (12.86)					
BENZENE,1-NITRO-3-(TRIFLUOR) (12.90)					
BENZENESULFONAMIDE (20.66)	1700 J				
BENZENESULFONAMIDE (20.70)					
BENZENESULFONAMIDE (20.74)					
BENZENESULFONAMIDE (20.78)					
BENZENESULFONAMIDE (20.86)				2800 J	
BENZENESULFONAMIDE (20.91)					
BENZENESULFONAMIDE (21.11)					
BENZENESULFONAMIDE (21.29)			2100 J		
BENZENESULFONAMIDE (21.34)					
BENZENESULFONAMIDE (21.47)					
BENZENESULFONAMIDE (21.54)					
BENZENESULFONAMIDE (21.59)					
BENZENESULFONAMIDE (21.63)					
BENZENESULFONAMIDE (21.68)		2700 J			
BENZENESULFONAMIDE, 2-METHYL (21.78)			24 J		
BENZENESULFONAMIDE, 4-CHLORO (22.38)					
BENZENESULFONAMIDE, 4-CHLORO (22.98)					
BENZENESULFONAMIDE, 4-CHLORO (23.14)					
BENZENESULFONAMIDE, 4-CHLORO (23.30)					
BENZENESULFONAMIDE, 4-METHYL (22.14)				79 J	
BENZENESULFONAMIDE, 4-METHYL (22.28)			89 J		
BENZENESULFONAMIDE, 4-METHYL (22.33)					
BENZENESULFONAMIDE, 4-METHYL (22.46)		100 J			

EXTRACTABLE ANIC ANALYSIS					
ERM-Midwest S. Number	RNS-GW-S6DL	RNS-GW-D6	RNS-GW-D6.	RNS-GW-D6DL	RNS-GW-S6-111
Laboratory Sample Number	S295DL	S296	S296RE	S296DL	S297
Remarks	Dilution		Reanalysis	Dilution	Field Blank
Units	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS					
BENZENESULFONAMIDE, 4-METHYL (22 79)					
BENZENESULFONAMIDE, 4-METHYL (22 84)					
BENZENESULFONAMIDE, 4-METHYL+UNK (23 06)					
BENZENESULFONAMIDE, N-PHENYL (30 08)			39 J		
BENZENESULFONAMIDE+UNK AROMATIC (20 76)					
BENZENESULFONAMIDE+UNK NITROAROM (20 92)					
BENZENESULFONAMIDE+UNKNOWN (21 01)					
BENZENESULFONAMIDE+UNKNOWN (21 83)					
BENZENESULFONAMIDE+UNK AROMA (21 56)					
BENZENESULFONAMINDE+UNK (21 59)					
BENZOIC ACID (14 72)					
BENZOIC ACID (14 77)					
BENZOIC ACID (14 84)					
BENZOIC ACID (15 03)					
BENZOIC ACID (15 56)					
BENZOIC ACID (15 90)					
BENZOIC ACID (18 30)					
BENZOIC ACID (18 42)					
BENZOIC ACID + MIX UNKNOWN (18 46)					
BENZOIC ACID + UNKNOWN (15 29)					
BENZOIC ACID + UNKNOWNS (17 53)					
BENZOIC ACID + UNKNOWNS (18 01)					
BENZOIC ACID + UNKNOWNS (18 25)					
BENZOIC ACID + UNKCHLORPHENYE(16 20)					
BENZOIC ACID , 2-BROMO- (18 80)					
BENZOIC ACID, 2-BROMO- (18 96)					
BENZOIC ACID, 2-BROMO- (19 04)					
BENZOIC ACID, 2-BROMO- (19.80)					
BENZONITRILE (11 57)					
BENZONITRILE (11 65)					
BENZONITROLE (11 63)					
BENZOPHENONE (21.87)					
BROMOBENZOIC ACID+UNKNOWN (18.79)					
BROMOBENZOIC ACID+UNKNOWN (19 86)					
CARBOXYLIC ACID (17 82)					
CHLOROBENZENESULFONAMIDE (23.04)					
CHLOROBENZENESULFONAMIDE+UNK (23.27)					
CHLOROBENZENESULFONAMIDE+UNK (23.34)					
DECANOIC ACID (17.80)					
DIBROMOBENZOIC ACID (22.74)					
5,5-DIPH-2,4-IMIDAZOLIDINEDIONE (29.74)					
DIPHENYLMETHANONE (22.04)					
DIPHENYLMETHANONE+UNK (22.03)					

EXTRACTABLE ANIC ANALYSIS

ERM-Midwes Number	RNS-GW-S6DL	RNS-GW-D6	RNS-GW	S-GW-D6DL	RNS-GW-S6-111
Laboratory nber	S295DL	S296	S29	S296DL	S297
Remarks	Dilution		Reanalysis	Dilution	Field Blank
Units	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS					
DODECANAMIDE, N,N-BIS(2-HYDR) (20.51)					
ETHANEDIONE, DIPHENYL- (24.06)					
ETHANONE, 1-PHENYL- (13.17)					
ETHANONE, 1-PHENYL- (13.21)					
ETHANONE, 1-PHENYL- (13.26)					
ETHYLMETHYLBENZENESULFONAMID (22.90)					
IMIDAZOLIDINEDIONE UNK SUBS (16.90)					
METHANONE, DIPHENYL- (21.85)					
METHYLSULFONYLBENZENE (18.52)					
1-PHENYLETHANONE + UNK. (13.14)			4 J		
MIX ALIPHATIC UNKOWNS (20.78)					
MIX ANILINE + CHLOROALIPHATIC (20.72)					
MIX AROMATIC + UNKNOWNS (18.16)					
MIX AROMATIC UNKNOWNS (18.79)					
MIX BENYOYL+HYDROXYBENZOIC A (18.24)					
MIX BENZOIC ACID+UNK (19.12)					
MIX BENZOIC ACID+UNKNOWNS (14.82)					
MIX BENZOIC ACID+UNKNOWNS (16.32)					
MIX BENZOIC ACID+UNKNOWNS (17.44)					
MIX BENZOIC ACID+UNK ALIPHATIC(18.56)					
MIX BENZOYL+UNKNOWN (23.73)					
MIX BENZOYL+UNK. ALKOYBENZENE (15.78)					
MIX BENZSULFONAMIDE/UNKNOWN (20.98					
MIX BROMOALKYL+UNKNOWNS (13.88)					
MIX BROMOALKYL+UNKNOWNS (8.20)					
MIX BROMOBENZOIC+NITROPHENET (19.94)					
MIX CHLORINATED ALIPHATIC (12.83)					
MIX CHLORINATED AROMATIC+UNK(26.35)					
MIX CHLOROBENZOIC ACID+UNK.(17.99)		8 J			
MIX CHLOROBENZOIC ACID+UNK (19.06)					
MIX CYANOBENZENE+UNKNOWNS (28.31)					
MIX NETHYL4METHYLBENZULFA+UN(22.96)					
MIX NITROBENZOIC ACID+CHLBENS(21.10)					
MIX SUB BENZENESULFONAMIDE&SILA (30.09)					
MIX SULFONATED BENZENE+UNK. (21.46)			4 J		
MIX UNK ALIPHATIC & SILANE (30.26)					
MIX UNK ALIPHATIC & SILANE (31.26)					
MIX UNK ALIPHATIC & SILANE (32.22)					
MIX UNK ALIPHATIC & SILANE (34.04)					
MIX UNK ALIPHATIC (20.77)					
MIX UNK ALIPHATIC HYDRO&SILANE (31.19)					
MIX UNK ALIPHATIC HYDRO&SILANE (32.23)					
MIX UNK ALIPHATIC HYDRO&SILANE (33.39)					

EXTRACTABLE GANIC ANALYSIS					
ERM-Midwest S. Number	RNS-GW-S6DL	RNS-GW-D6	RNS-GW-D6.	RNS-GW-D6DL	RNS-GW-S6-111
Laboratory Sample Number	S295DL	S296	S296RE	S296DL	S297
Remarks	Dilution		Reanalysis	Dilution	Field Blank
Units	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS					
MIX UNK ALIPHATIC HYDRO&SILANE (33 44)					
MIX UNK ALIPHATIC HYDRO&SILANE (34 82)					
MIX UNK ALIPHATIC HYDRO&SILANE (34 87)					
MIX UNK ALIPHATICS (13 95)					
MIX UNK ALIPHATICS (16 89)					
MIX UNK ALKOXYBENZENE+UNK (16 10)					
MIX UNK ALKYLBENZENE (17 98)					
MIX UNK AROMATICS (20 23)					
MIX UNK AROMATIC (20 67)					
MIX UNK AROMATIC (20 76)					
MIX UNK AROMATIC (20 88)					
MIX UNK AROMATIC (21 13)					
MIX UNK AROMATIC (23 05)					
MIX UNK AROMATIC (25 63)					
MIX UNK AROMATIC +UNK (30 92)			13 J		
MIX UNK AROMATIC+UNK ALIPHAT					
MIX UNK AROMATICS (27 06)					
MIX UNK AROMATICS (37 26)					
MIX UNK BENZOIC ACID+CHLOROP (15 37)					
MIX UNK BENZYL ALCOHOL (18 67)					
MIX UNK BROMOBENZOIC ACID (19 24)					
MIX UNK DICHLOROPHENOL+BENZO (18 72)					
MIX UNK FLUORINATED AROMATIC (23 11)					
MIX UNK HYDROCARB+CHLOROHYD (28 50)					
MIX UNK NITROBENZENEAMINE+UNK (22.52)					
MIXTURE UNKNOWNS (11 43)					
MIXTURE UNKNOWNS (11 60)					
MIXTURE UNKNOWNS (13 71)					
MIXTURE UNKNOWNS (13.95)					
NITROAROMITIC UNKNOWNS					
NITROBENZEN+BENZOIC ACID MIX (16 41)					
1,4-PENTADIENE-3-ONE,1,5-DIPHEN.. (29.39)					
PHENYLETHANONE (13 23)					
PHENYLETHANONE (13 33)					
PHENOL,2,4-DICHLORO-,BENZENE (27 61)					
PHENOL,2,4-DICHLORO-,BENZENE (27.66)					
2-PROPEN-1-ONE,1-(NITROPHENYL) (30.03)					
SULFUR, MOL. (S8) (25 79)					
1,1-SULFONYLBISBENZNE (25 22)					
TRIFLUOROMET ANILINE SUB UNK (12 82)					
TRIFLUOROMETBENZENAMINE+UNK. (12.88)					
UNK. ACETYL (18.78)					
UNK. ACID (1					

EXTRACTABLE 'GANIC ANALYSIS

ERM-Midwest S. e Number	RNS-GW-S6DL	RNS-GW-D6	RNS-GW-D6.	.tNS-GW-D6DL	RNS-GW-S6-111
Laboratory Sample Number	S295DL	S296	S296RE	S296DL	S297
Remarks	Dilution		Reanalysis	Dilution	Field Blank
Units	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS					
MIX UNK ALIPHATIC HYDRO&SILANE (33.44)					
MIX UNK ALIPHATIC HYDRO&SILANE (34.82)					
MIX UNK ALIPHATIC HYDRO&SILANE (34.87)					
MIX UNK ALIPHATICS (13.95)					
MIX UNK ALIPHATICS (16.89)					
MIX UNK ALKOXYBENZENE+UNK (16.10)					
MIX UNK ALKYLBENZENE (17.98)					
MIX UNK. AROMATICS (20.23)					
MIX UNK AROMATIC (20.67)					
MIX UNK AROMATIC (20.76)					
MIX UNK AROMATIC (20.88)					
MIX UNK AROMATIC (21.13)					
MIX UNK AROMATIC (23.05)					
MIX UNK AROMATIC (25.63)					
MIX UNK. AROMATIC +UNK. (30.92)			13 J		
MIX UNK AROMATIC+UNK ALIPHAT					
MIX UNK AROMATICS (27.06)					
MIX UNK AROMATICS (37.26)					
MIX UNK BENZOIC ACID+CHLOROP (15.37)					
MIX UNK BENZYL ALCOHOL (18.67)					
MIX UNK. BROMOBENZOIC ACID (19.24)					
MIX UNK DICHLOROPHENOL+BENZO (18.72)					
MIX UNK FLUORINATED AROMATIC (23.11)					
MIX UNK HYDROCARB+CHLOROHYD (28.50)					
MIX UNK NITROBENZENEAMINE+UNK (22.52)					
MIXTURE UNKNOWNS (11.43)					
MIXTURE UNKNOWNS (11.60)					
MIXTURE UNKNOWNS (13.71)					
MIXTURE UNKNOWNS (13.95)					
NITROAROMITIC UNKNOWNS					
NITROBENZEN+BENZOIC ACID MIX (16.41)					
1,4-PENTADIENE-3-ONE,1,5-DIPHEN.. (29.39)					
PHENYLETHANONE (13.23)					
PHENYLETHANONE (13.33)					
PHENOL,2,4-DICHLORO-,BENZENE (27.61)					
PHENOL,2,4-DICHLORO-,BENZENE (27.66)					
2-PROPEN-1-ONE,1-(NITROPHENYL) (30.03)					
SULFUR, MOL. (S8) (25.79)					
1,1-SULFONYLBISBENZNE (25.22)					
TRIFLUOROMET ANILINE SUB UNK (12.82)					
TRIFLUOROMETBENZENAMINE+UNK. (12.88)					
UNK. ACETYL (18.78)					
UNK. ACID (16.35)					

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-GW-S6DL	RNS-GW-D6	RNS-GW-S6	RNS-GW-D6DL	RNS-GW-S6-111
Laboratory Sample Number	S295DL	S296	S296[illegible]	S296DL	S297
Remarks	Dilution		Reanalysis	Dilution	Field Blank
Units	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS					
UNK. ALIPHATIC (9.48)			4 J		
UNK. ALIPHATIC (12.23)					
UNK. ALIPHATIC (12.33)					
UNK. ALIPHATIC (16.32)		5 J			
UNK. ALIPHATIC (19.73)			4 J		
UNK. ALIPHATIC (20.66)					
UNK. ALIPHATIC (26.84)					
UNK. ALIPHATIC (9.62)					
UNK. ALIPHATIC + SILANE (31.30)					
UNK. ALIPHATIC ACID (19.63)					
UNK. ALIPHATIC ACID (20.50)					
UNK. ALIPHATIC ALCOHOL (11.85)					
UNK. ALIPHATIC AMINE (8.78)		6 R			5 R
UNK. ALIPHATIC AMINE (8.82)					
UNK. ALIPHATIC HYDROCARB (8.34)			4 J		
UNK. ALIPHATIC HYDROCARB (12.23)					
UNK. ALIPHATIC HYDROCARB (12.35)					
UNK. ALIPHATIC HYDROCARB (12.44)					
UNK. ALIPHATIC HYDROCARB (20.52)					
UNK. ALIPHATIC HYDROCARB (27.60)					
UNK. ALIPHATIC HYDROCARB (28.52)					
UNK. ALIPHATIC HYDROCARB (29.41)					
UNK. ALIPHATIC HYDROCARB (30.24)					
UNK. ALIPHATIC HYDROCARB (31.15)					
UNK. ALIPHATIC HYDROCARB (31.19)					
UNK. ALIPHATIC HYDROCARB (32.19)					
UNK. ALIPHATIC HYDROCARB (32.23)					
UNK. ALIPHATIC HYDROCARB (33.44)					
UNK. ALIPHATIC HYDROCARB (34.81)					
UNK. ALIPHATIC HYDROCARB (34.87)					
UNK. ALIPHATIC HYDRO+SILANE (29.41)					3 J
UNK. ALIPHATIC HYDRO+SILANE (30.27)					
UNK. ALIPHATIC HYDRO+SILANE (31.18)					
UNK. ALIPHATIC POLYCHLORINAT (32.23)					
UNK. ALKOXYBENZENE (15.69)					
UNK. ALKOXYBENZENE (16.00)	630 J		130 J	170 J	
UNK. ALKOXYBENZENE (16.04)		110 J			
UNK. ALKOXYBENZENE (16.09)					
UNK. ALKOXYBENZENE (16.18)					
UNK. ALKOXYBENZENE (18.31)					
UNK. ALKOXYBENZENE (18.93)					
UNK. ALKOXYETHANOL (11.88)					
UNK. ALKOXYETHANOL (11.89)					

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest S. / Number	RNS GW S6DL	RNS GW D6	RNS-GW-D6.	RNS GW D6DL	RNS-GW-S6-111
Laboratory Sample Number	S295DL	S296	S296RE	S296DL	S297
Remarks	Dilution		Reanalysis	Dilution	Field Blank
Units	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS					
UNK ALKOXY SUB ALIPHATIC ALC (15 19)					
UNK ALKYL AMINE (8 82)					
UNK ALKYLBENZENE (8 89)					
UNK ALKYLBENZENE (9 16)					
UNK ALKYLBENZENE ALKOXY SUB (24 76)					
UNK ALKYLPYRIDINE (12 25)					
UNK AMINE (12 26)					
UNK AMINO BENZOIC ACID (20 50)					
UNK AMINOPHENYLETHANONE (17 19)					
UNK AMINOPHENYLETHANONE (19 95)					
UNK AMINOPHENYLETHANONE (20 02)					
UNK AROMATIC (17 02)					
UNK AROMATIC (17 25)					
UNK AROMATIC (17 94)			6 J		
UNK AROMATIC (17 99)					
UNK AROMATIC (18 50)					
UNK AROMATIC (22 17)					
UNK AROMATIC (23 14)					
UNK AROMATIC (23 31)					
UNK AROMATIC (25 24)					
UNK AROMATIC (26 49)			23 J		
UNK AROMATIC (26 55)		29 J			
UNK AROMATIC (38 55)					
UNK AROMATIC (40 19)					
UNK AROMATIC (41 06)					
UNK AROMATIC ACID (16 33)					
UNK AROMATIC ALCOHOL (17.14)					
UNK AROMATIC AMINE (8 74)			4 J		
UNK AROMATIC AMINE (24 86)					
UNK. AROMATIC AMINE (25 31)					
UNK. BENZENE METHANOL (16.58)					
UNK. BENZENE SULFONATED (21.49)					
UNK. BENZENEDIOL (16 44)					
UNK. BENZENEAMINE (22.50)					
UNK BENZENESULFONAMIDE+AROMA (21 35)					
UNK BENZENESULFONAMIDE+NITROBEN (21 02)					
UNK. BENZENESULFONAMIDE+UNKOWN (21 10)					
UNK. BENZOFURAN + UNK BENZOYL (35.01)					
UNK. BENZOFURAN + UNK BENZOYL (33 35)					
UNK. BENZOIC ACID (18.67)					
UNK. BENZOIC ACID (18.00)					
UNK. BENZOIC ACID (18 97)					
UNK. BENZOIC ACID (15.50)					

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Number	RNS-GW-S6DL	RNS-GW-D6	RNS-GW-D6	RNS-GW-D6DL	RNS-GW-S6-111
Laboratory Number	S295DL	S296	S296	S296DL	S297
Remarks	Dilution		Reanalysis	Dilution	Field Blank
Units	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS					
UNK. BENZOYL (16.23)					
UNK. BENZOYL (21.86)					
UNK. BENZOYL (23.62)					
UNK. BENZOYL (23.76)					
UNK. BENZOYL (24.10)					
UNK. BENZOYL + UNK (15.13)					
UNK. BENZYL ALCOHOL (18.67)					
UNK. BIPHENYL (25.69)					
UNK. BIPHENYL (26.83)					
UNK. BIPHENYL SUBSTITUTED (26.80)					
UNK. BIPHENYLOL (20.27)			8 J		
UNK. BIPHENYLOL (20.33)		9 J			
UNK. BIPHENYLOL (20.42)					
UNK. BIPHENYLOL (20.55)					
UNK. BIPHENYLOL (20.67)					
UNK. BIPHENYLOL (26.73)					
UNK. BIPHENYLOL (26.85)					
UNK. BROMINATED ALIPHATIC (11.99)					
UNK. BROMOALIPHATIC (12.03)					
UNK. BROMOALIPHATIC (13.96)					
UNK. BROMOALIPHATIC (22.30)					
UNK. BROMOALIPHATIC (8.03)					
UNK. BROMOALIPHATIC (8.22)					
UNK. BROMOALKYL (12.11)					
UNK. BROMOAROMATIC (16.83)					
UNK. BROMOAROMATIC (20.21)					
UNK. BROMOBENZOIC ACID (18.79)			17 J	25 J	
UNK. BROMOBENZOIC ACID (18.83)		12 J			
UNK.BROMOBENZOIC ACID (18.90)				43 J	
UNK. BROMOBENZOIC ACID (18.96)			120 J		
UNK. BROMOBENZOIC ACID (19.10)		180 J	68 J		
UNK. BROMOBENZOIC ACID (19.19)		49 J			
UNK. BROMOBENZOIC ACID (19.25)					
UNK. BROMOBENZOIC ACID (19.31)			7 J		
UNK. BROMOBENZOIC ACID (19.38)		9 J			
UNK. BROMOBENZOIC ACID (19.65)					
UNK. BROMOBENZOIC ACID (19.72)					
UNK. BROMOBENZOIC ACID (19.84)					
UNK. BROMOBENZOIC ACID (20.24)					
UNK. BROMOBENZOIC ACID (20.37)					
UNK. BROMOBENZOIC ACID (22.82)					
UNK. BROMOBENZOIC ACID+AROMATIC (20.34)					
UNK. BROMODICHLORBENZENE (16.83)					

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Site Number	RNS-GW-S6DL	RNS-GW-D6	RNS-GW-D6	RNS-GW-D6DL	RNS-GW-S6-111
Laboratory Sample Number	S295DL	S296	S296RE	S296DL	S297
Remarks	Dilution		Reanalysis	Dilution	Field Blank
Units	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS					
UNK CARBOXYLIC ACID (17.81)					
UNK CHLORINATED ALKLBENZENE (16.61)					
UNK CHLORINATED ALIPHATIC (28.51)					
UNK CHLORINATED AROMATIC (19.77)					
UNK CHLORINATED AROMATIC (37.31)					
UNK CHLORINATED AROMATIC (20.77)					
UNK CHLORINATED AROMATIC (20.83)					
UNK CHLORINATED BIPHENYLOL (22.79)					
UNK CHLORINATED BIPHENYL (26.49)					
UNK CHLORINATED BIPHENYL (29.54)					
UNK CHLORINATEDCYCLOHEXANONE (12.92)			7 J		
UNK CHLORINATED NAPTHYLENE (26.38)					
UNK CHLOROALKANOL (9.82)					
UNK CHLOROALKYL-AROMATIC (20.79)					
UNK CHLOROAROMATIC (36.07)					
UNK CHLOROBENZENESULFONAMIDE (22.86)					
UNK CHLOROBENZENESULFONAMIDE (22.91)					
UNK CHLOROBENZENESULFONAMIDE (22.96)					
UNK CHLOROBENZOIC ACID (17.99)					
UNK CHLOROBENZOIC ACID (18.76)					
UNK CHLOROBENZOIC ACID (18.85)					
UNK CHLOROBIPHENYL (26.39)					
UNK CHLOROBIPHENYLOL (22.79)					
UNK CHLOROBIPHENYLOL (28.51)					
UNK CHLOROBIPHENYL (26.52)					
UNK CHLORINATED BIPHENYLOL (28.53)					
UNK CHLOROCYCLOHEXANOL (12.48)					
UNK CHLOROCYCLOHEXANONE (12.97)		5 J			
UNK CHLOROETHENYLBENZENE (13.28)					
UNK CHLORONITROAROMATIC (36.06)					
UNK CYCLIC ALCOHOL (9.39)					
UNK CYCLIC ALIPHATIC (15.90)					
UNK CYCLOALKANOL (9.47)		22 J			
UNK CYCLOHEXANE (13.22)			5 R		
UNK CYCLOHEXANOL (9.42)			25 R		
UNK CYCLOHEXANOL (12.43)				360 R	
UNK CYCLOHEXANOL (12.47)			240 R		
UNK CYCLOHEXANOL (12.52)		250 R			
UNK CYCLOHEXENOL (9.45)				36 R	
UNK CYCLOHEXENOL (9.49)					
UNK CYCLOHEXENOL+UNK MIX (9.42)					
UNK CYCLOHEXYL (12.47)					
UNK DIBROMOALIPHATIC (13.81)					

EXTRACTABLE ANIC ANALYSIS

ERM-Midwest Number	RNS-GW-S6DL	RNS-GW-D6	RNS-GW	S-GW-D6DL	RNS-GW-S6-111
Laboratory nber	S295DL	S296	S296	S296DL	S297
Remarks	Dilution		Reanalysis	Dilution	Field Blank
Units	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS					
UNK. DIBROMOBENZENE (22.82)					
UNK. DIBROMOBENZENE (22.75)					
UNK. DIBROMOBENZOIC ACID (22.82)					
UNK. DIBROMOBENZOIC ACID (22.93)					
UNK. DIBROMOAROMATIC (22.90)					
UNK. DICHLOROALKANOL (9.67)					
UNK. DICHLOROAROMATIC (28.54)					
UNK. DICHLOROBIPHENYL (24.80)					
UNK. DIMETHYLPYRIDINE (12.31)					
UNK. HALOGENATED ALIPHATIC (13.64)					
UNK. IMADAZOLIDINDIONE (16.78)					
UNK. IMADAZOLIDINDIONE (17.01)					
UNK. METHBENZENESULFONIC ACID (22.81)					
UNK. MIX BENZENESULFONYL (21.05)					
UNK. MIX TRIMETH PHENOL/AROMA (20.85)					
UNK N-PHENYLSULFONYL/BENSULF (30.18)					
UNK. NITROANILINE (23.16)					
UNK. NITROANILINE (23.30)					
UNK. NITROAROMATIC (20.18)			5 J		
UNK. NITROAROMATIC (20.23)		7 J			
UNK. NITROAROMATIC (22.06)					
UNK. NITROAROMATIC (22.15)					
UNK. NITROAROMATIC (22.21)					
UNK. NITROAROMATIC (22.30)					
UNK. NITROAROMATIC (22.56)					
UNK. NITROAROMATIC (22.44)					
UNK. NITROBENZENE (22.11)					
UNK. NITROBENZENE (22.40)					
UNK. NITROBENZENEAMINE (22.21)					
UNK. NITROFLUOROBENZENE (12.85)					
UNK. NITROGEN CONTAINING (12.23)					
UNK. NITROGEN HETEROCYCLIC (12.30)					
UNK. NITROGEN HETEROCYCLE (15.78)					
UNK. METHYLNITROBENZENE AMINE (23.32)					
UNK. PHENYLSULFONYLBENXSULFON (30.20)					
UNK POLYHALOGENATED ALIPHATIC (13.93)					
UNK. SUBST MORPHOLINE (26.75)					
UNK. SUBST BENZENEMETHANOL (16.22)					
UNK. SUBST BENZENESULFONAMIDE (21.89)		29 J			
UNK. SUBST BENZYL ALCOHOL (17.26)					
UNK. SUBST BIPHENYL (26.86)					
UNK. SUBST BROMOBENZENE (29.52)					
UNK. SUBST BROMOBENZOIC ACID (19.04)					

ERM-Midwest S. Number	RNS-GW-S6DL	RNS-GW-D6	RNS-GW-D6	RNS-GW-D6DL	RNS-GW-S6-111
Laboratory Sample Number	S295DL	S296	S296RE	S296DL	S297
Remarks	Dilution		Reanalysis	Dilution	Field Blank
Units	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS					
UNK SUBST CHLORINATED BENZENE (36.02)					
UNK SUBST BIPHENYL (26 95)					
UNK. SUBST BIPHENYL (26 50)					
UNK SUBST BIPHENYL (26 73)		6 J			
UNK. SUBST PHENYLBUTENONE (17 96)					
UNK SULFONATED AROMATIC (25 89)					
UNK. SULFONATED BENZENE (30.09)					
UNK. SULFONYL BENZENE (18 51)		5 J			
UNK SULFONYLBENZENE (25 66)					
UNK TRICHLOROALIPHATIC (10.23)					
UNK TRICHLOROALIPHATIC (20 66)					
UNK TRIFLUOROMET ANILINE (12.79)					
UNK TRIFLUOROMET BENZEAMINE (12 83)					
UNK. TRIFLUOROMET BENZENAMINE (12.82)					
UNK TRIFLUOROMETBENZEAMINE (11 48)					
UNK. TRIFLUOROMETBENZENAMINE (12 79)					
UNK. TRIFLUOROMETHBENZENAMINE (12 78)					
UNK TRIFLUOROMETHYL ANLINE (12 84)					
UNK TRIFLUOROMETHYLBENZENAM (11 49)					

EXTRACTABL RGANIC ANALYSIS

ERM-Midw ble Number Laboratory Number	RNS-GW-GUB S301	RNS-GW-GUBD S301DL	GW-RW1 S304	RNS-GW-RW1DL S304DL	RNS-GW-S22 S305	RNS-GW-S22DL S305DL	R -RW1-112 S306
Remarks		Dilution		Dilution	Duplicate of RNS-GW-RW1	Duplicate of RNS-GW-RW1	Field Blank
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS						Dilution	
1,2-CYCLOHEXANDIOL (13.00)							11 R
1,2-CYCLOHEXANDIOL (13.06)	45 R						
1,2-ETHANEDIOL, 1-PHENYL (17.15)			19 J				
2-CYCLOHEXEN-1-ONE (10.46)	14 J						
2•TRIFLUORORMET BENZAMINE+UNK (11.49)			24 J				
BENZENAMINE, 2- (TRIFLUOROMET) (11.48)	9 J						
BENZENAMINE, 3- (TRIFLUOROMET) (12.80)	110 J	100 J					
BENZENESULFONAMIDE (20.64)			27 J		21 J		
BENZENESULFONAMIDE (20.77)		2400 J					
BENZENESULFONAMIDE+UNK AROMA (21.75)	2800 J						
BENZENESULFONAMIDE, 4-CHLORO (23.24)	11 J						
BENZENESULFONAMIDE, N-PHENYL (30.14)	55 J						
BENZOIC ACID (14.90)					23 J		
BENZOPHENONE (21.87)	3 J						
CHLOROETHENYLBENZENE+UNK (14.18)					110 J		
ETHANONE, 1-PHENYL- (13.21)					16 J		
METHANONE, DIPHENYL- (21.83)			48 J		48 J		
MIX PENTACHLOROETHANE+UNK (11.44)					340 J		
MIX SULFONATED PHENYL NAPHTH (26.59)	8 J						
MIX UNK AROMATIC (20.81)			760 J				
MIX UNK AROMATIC (26.48)	4 J						
MIX UNK AROMATIC AMINE (20.80)					660 J		
PHENOL,2,4-DICHLORO-, BENSUL (27.62)			36 J		40 J		
S-PHEN ESTER BENZSULFONOTHIO (26.82)	3 J						
UNK. 4-TRIFLUOROMET BENZENAMINE (12.89)			2300 J				
UNK. ALIPHATIC AMINE (8.79)	12 R		33 R				4 R
UNK. ALKOXYBENZENE (15.96)				1100 J			
UNK. ALKOXYBENZENE (16.02)	110 J	140 J					
UNK. ALKOXYBENZENE (16.06)					450 J		
UNK. ALKOXYBENZENE (17.97)			21 J		20 J		
UNK. ALKOXYBIPHENYL (16.07)			500 J				
UNK. AMINOPHENYLETHANONE (19.94)			74 J		71 J		
UNK. AROMATIC (16.46)	3 J						
UNK. AROMATIC AMINE (24.90)	5 J						
UNK. AROMATIC AMINE (20.98)			48 J				
UNK. AROMATIC AMINE (24.96)			20 J		34 J		

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-GW-GUB	RNS-GW-GUBDL	S-GW-RW1	RNS-GW-RW1DL	RNS-GW-S22	RNS-GW-S22DL	RNS V-RW1-112
Laboratory Sample Number	S301	S301DL	S304	S304DL	S305	S305DL	S306
Remarks		Dilution		Dilution	Duplicate of RNS-GW-RW1	Duplicate of RNS-GW-RW1	Field Blank
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE TICS						Dilution	
UNK. AROMATIC AMINE+ UNK (20 97)					19 J		
UNK. BENZYL ALCOHOL (16 60)			190 J				
UNK BENZYL ALCOHOL (17.15)					21 J		
UNK. BIPHENYLOL (20.32)			110 J		100 J		
UNK. BIPHENYLOL (26.38)	11 J						
UNK CHLOROBENOYL (27 00)					14 J		
UNK CHLOROBIPHENYL (26 42)			510 J		490 J		
UNK CHLOROBIPHENYL (28 48)			41 J				
UNK. CHLOROETHENYLBENZENE (14 18)			15 J				
UNK CYCLOHEXANOL (12 45)	16 J						6 J
UNK CYCLOHEXANOL (9 46)	8 J						
UNK. DICHLOROBIPHENYL (24 48)					45 J		
UNK IMADAZOLIDINDIONE (16 82)	4 J						
UNK NITROAROMATIC (20.14)			280 J				
UNK NITROAROMATIC (22 44)			420 J				
UNK NITROBENZENE (22 14)					270 J		
UNK. NITROBENZENE (22.45)					410 J		
UNK. POLYCHLORINATED ALIPHATIC (32 22)			23 J		31 J		
UNK. SUBS. CYCLOHEXANE (14.63)	2 J						
UNK. SUBST BIPHENYL (26 74)			91 J		79 J		
UNK. SUBST BIPHENYL (29.50)			19 J				
UNK. SULFONATED BENZENE (18.51)	3 J						
UNK. SULFONATED BENZENE (25.65)	2 J						
UNK. THIOAROMATIC (11.21)	3 J						
UNK. TRIFLUOROMET BENZEAMINE (12.86)					2100 J		
UNKNOWN (MWT. 116) (9.39)	7 J						
UNKNOWN (MWT. 116) (9.62)	8 J						

Chemical Company, Inc.

RUETGERS-NEASE ~~CO~~ SALEM, OHIO
ROUND 2 GROUNDWATER RESULTS

Pesticide/PCBs

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S1	RNS-GW-S2	RNS-GW-S3	RNS-GW-S4	RNS-GW-S6	RNS-GW-S6DL
Laboratory Sample Number		P260	P277	P265	P258	P295	P295DL10
Remarks							Dilution
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES	Quantitation Limit (Aq)						
alpha-BHC	0.05	0.0035 J	0.0079 J		0.0022 R	0.042 J	
beta-BHC	0.05			0.0045 R			
delta-BHC	0.05						0.14 R
gamma-BHC (Lindane)	0.05	0.0079 R			0.0042 R	0.023 J	
Heptachlor	0.05	0.0030 R		0.0043 R			
Aldrin	0.05						0.076 J
Heptachlor Epoxide	0.05		0.0051 R				
Endosulfan I	0.05						
Dieldrin	0.1						
4,4'-DDE	0.1						
Endrin	0.1						
Endosulfan II	0.1						
4,4'-DDD	0.1						
Endosulfan Sulfate	0.1						
4,4'-DDT	0.1						
Methoxychlor	0.5	0.019 J					
Endrin Ketone	0.1						
Endrin Aldehyde	0.1						
alpha-Chlordane	0.05						
gamma-Chlordane	0.05						
Toxaphene	5						
Aroclor-1016	1						
Aroclor-1221	2						
Aroclor-1232	1						
Aroclor-1242	1						
Aroclor-1248	1						
Aroclor-1254	1						
Aroclor-1260	1						
Quantitation Limit Multiplier		1	1	1	1	1	10
Date of Sample Collection		02/16/93	02/22/93	02/16/93	02/16/93	02/23/93	02/23/93
Date Sample Received by Laboratory		02/17/93	02/23/93	02/18/93	02/17/93	02/25/93	02/25/93
Date Sample Extracted		02/22/93	02/24/93	02/22/93	02/22/93	03/01/93	03/01/93
Date of Sample Analysis		04/02/93	04/04/93	04/02/93	04/02/93	04/05/93	04/06/93

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S6-111	RNS-GW-S6-111D	RNS-GW-S7	RNS-GW-S8	RNS-GW-S9	RNS-GW-S10
Laboratory Sample Number		P297	P297DL10	P283	P291RE	P250	P253
Remarks			Dilution				
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES	Quantitation Limit (Aq)	Field Blank	Field Blank				
alpha-BHC	0.05				0.0094 R		
beta-BHC	0.05						
delta-BHC	0.05						
gamma-BHC (Lindane)	0.05			0.0027 R			
Heptachlor	0.05			0.013 J	0.017 J		
Aldrin	0.05			0.0095 R	0.0057 R		
Heptachlor Epoxide	0.05						
Endosulfan I	0.05						
Dieldrin	0.1						
4,4'-DDE	0.1			0.0077 R			
Endrin	0.1			0.0067 J			
Endosulfan II	0.1						
4,4'-DDD	0.1			0.0033 R			
Endosulfan Sulfate	0.1			0.024 J			
4,4'-DDT	0.1			0.0045 R			
Methoxychlor	0.5						
Endrin Ketone	0.1						
Endrin Aldehyde	0.1						
alpha-Chlordane	0.05						
gamma-Chlordane	0.05						
Toxaphene	5						
Aroclor-1016	1						
Aroclor-1221	2						
Aroclor-1232	1						
Aroclor-1242	1						
Aroclor-1248	1						
Aroclor-1254	1						
Aroclor-1260	1						
Quantitation Limit Multiplier		1	10	1	1	1	1
Date of Sample Collection		02/24/93	02/24/93	02/23/93	02/23/93	02/16/93	02/16/93
Date Sample Received by Laboratory		02/25/93	02/25/93	02/24/93	02/24/93	02/17/93	02/17/93
Date Sample Extracted		03/01/93	03/01/93	02/24/93	03/01/93	02/17/93	02/17/93
Date of Sample Analysis		04/05/93	04/05/93	04/04/93	04/04/93	03/29/93	03/29/93

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S11	RNS-GW-S12	RNS-GW-S12DL	RNS-GW-S21	RNS-GW-S21-DL	RNS-GW-S13
Laboratory Sample Number		P254	P288	P288DL10	P289RE	P289DL10	P278
Remarks				Dilution	Reanalysis	Dilution	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES	Quantitation Limit (Aq)				Duplicate of RNS-GW-S12	Duplicate of RNS-GW-S12	
alpha-BHC	0.05		1.6 R		2.8 R		UJ
beta-BHC	0.05	0.0067 R	UJ		UJ		UJ
delta-BHC	0.05		0.074 R		0.15 R	0.099 R	UJ
gamma-BHC (Lindane)	0.05	0.0050 R	0.49 R	0.42 R	0.72 R	0.20 R	UJ
Heptachlor	0.05		0.23 R		UJ		UJ
Aldrin	0.05		UJ		UJ		UJ
Heptachlor Epoxide	0.05		0.082 R		0.12 R		UJ
Endosulfan I	0.05	0.028 R	UJ		UJ		UJ
Dieldrin	0.1		UJ		0.014 R		UJ
4,4'-DDE	0.1		UJ		0.024 R		UJ
Endrin	0.1		UJ		UJ		UJ
Endosulfan II	0.1		UJ	0.055 R	UJ		UJ
4,4'-DDD	0.1		UJ		UJ		UJ
Endosulfan Sulfate	0.1		UJ		UJ		UJ
4,4'-DDT	0.1		UJ		0.053 R		UJ
Methoxychlor	0.5		UJ		0.067 J		UJ
Endrin Ketone	0.1		UJ		UJ		UJ
Endrin Aldehyde	0.1		UJ		UJ		UJ
alpha-Chlordane	0.05		0.064 J	0.073 J	UJ		UJ
gamma-Chlordane	0.05		UJ		UJ		UJ
Toxaphene	5		UJ		UJ		UJ
Aroclor-1016	1		UJ		UJ		UJ
Aroclor-1221	2		UJ		UJ		UJ
Aroclor-1232	1		UJ		UJ		UJ
Aroclor-1242	1		UJ		UJ		UJ
Aroclor-1248	1		UJ		UJ		UJ
Aroclor-1254	1		UJ		UJ		UJ
Aroclor-1260	1		UJ		UJ		UJ
Quantitation Limit Multiplier		1	1	10	1	10	1
Date of Sample Collection		02/16/93	02/23/93	02/23/93	02/23/93	02/23/93	02/22/93
Date Sample Received by Laboratory		02/17/93	02/24/93	02/24/93	02/24/93	02/24/93	02/23/93
Date Sample Extracted		02/17/93	02/24/93	02/24/93	02/24/93	02/24/93	02/24/93
Date of Sample Analysis		03/29/93	04/04/93	04/06/93	04/04/93	04/06/93	04/04/93

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S14	RNS-GW-S15	RNS-GW-S16	RNS-GW-S17	RNS-GW-S20	RNS-GW-S18
Laboratory Sample Number		P269	P279	P263	P272	P273	P294DL100
Remarks						Duplicate of RNS-	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES	Quantitation Limit (Aq)						
alpha-BHC	0.05	0.0037 R		0.0052 R		0.011 R	
beta-BHC	0.05			0.010 R			
delta-BHC	0.05				0.0035 R	0.0032 R	1.2 R
gamma-BHC (Lindane)	0.05			0.0082 R	0.0093 R	0.0081 R	
Heptachlor	0.05				0.024 R	0.021 R	
Aldrin	0.05	0.0071 R			0.0077 R		
Heptachlor Epoxide	0.05			0.0025 R			
Endosulfan I	0.05			0.019 R	0.022 R	0.022 R	
Dieldrin	0.1						
4,4'-DDE	0.1						
Endrin	0.1						
Endosulfan II	0.1						
4,4'-DDD	0.1						
Endosulfan Sulfate	0.1						
4,4'-DDT	0.1	0.0074 R					3.2 J
Methoxychlor	0.5						
Endrin Ketone	0.1						
Endrin Aldehyde	0.1		0.039 J		0.020 R		
alpha-Chlordane	0.05			0.0053 R			
gamma-Chlordane	0.05						
Toxaphene	5						
Aroclor-1016	1						
Aroclor-1221	2						
Aroclor-1232	1						
Aroclor-1242	1						
Aroclor-1248	1						
Aroclor-1254	1						
Aroclor-1260	1						
Quantitation Limit Multiplier		1	1	1	1	1	100
Date of Sample Collection		02/17/93	02/22/93	02/17/93	02/22/93	02/22/93	02/24/93
Date Sample Received by Laboratory		02/18/93	02/23/93	02/18/93	02/23/93	02/23/93	02/25/93
Date Sample Extracted		02/22/93	02/24/93	02/22/93	02/24/93	02/24/93	03/01/93
Date of Sample Analysis		04/02/93	04/04/93	04/02/93	04/02/93	04/02/93	04/06/93

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S18DL	RNS-GW-D1	RNS-GW-D1-110	RNS-GW-D2	RNS-GW-D3	RNS-GW-D4
Laboratory Sample Number		P294DL1000	P251	P252	P290	P261	P259
Remarks		Dilution		Field Blank			
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES	Quantitation Limit (Aq)						
alpha-BHC	0.05				UJ		0.0030 R
beta-BHC	0.05				UJ		
delta-BHC	0.05		0.0023 R		UJ		
gamma-BHC (Lindane)	0.05				UJ	0.0014 R	0.0026 R
Heptachlor	0.05				UJ	0.0070 R	0.0098 J
Aldrin	0.05				UJ		0.0056 R
Heptachlor Epoxide	0.05				UJ		
Endosulfan I	0.05		0.0097 R		UJ		
Dieldrin	0.1				UJ	0.0042 R	0.018 J
4,4'-DDE	0.1				UJ		
Endrin	0.1				UJ	0.0038 R	0.017 J
Endosulfan II	0.1				UJ		
4,4'-DDD	0.1				UJ		
Endosulfan Sulfate	0.1				UJ		
4,4'-DDT	0.1				UJ	0.0021 R	0.015 J
Methoxychlor	0.5				UJ		
Endrin Ketone	0.1				UJ		
Endrin Aldehyde	0.1				UJ		
alpha-Chlordane	0.05				UJ		
gamma-Chlordane	0.05				UJ		
Toxaphene	5				UJ		
Aroclor-1016	1				UJ		
Aroclor-1221	2				UJ		
Aroclor-1232	1				UJ		
Aroclor-1242	1				UJ		
Aroclor-1248	1				UJ		
Aroclor-1254	1				UJ		
Aroclor-1260	1				UJ		
Quantitation Limit Multiplier		100	1	1	1	1	1
Date of Sample Collection		02/24/93	02/16/93	02/16/93	02/23/93	02/16/93	02/16/93
Date Sample Received by Laboratory		02/25/93	02/17/93	02/17/93	02/24/93	02/17/93	02/17/93
Date Sample Extracted		03/01/93	02/17/93	02/17/93	02/24/93	02/22/93	02/22/93
Date of Sample Analysis		04/06/93	03/29/93	03/29/93	04/04/93	04/02/93	04/02/93

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-D5	RNS-GW-D18	RNS-GW-D6	RNS-GW-D7	RNS-GW-D8	RNS-GW-D9
Laboratory Sample Number		P256	P257	P296	P266	P274	P264
Remarks			Duplicate of RNS-				
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES	Quantitation Limit (Aq)						
alpha-BHC	0.05			0.021 R	0.0019 R	0.0055 J	0.0029 R
beta-BHC	0.05						
delta-BHC	0.05					0.0055 R	
gamma-BHC (Lindane)	0.05		0.0082 R	0.016 R	0.0025 R	0.013 R	
Heptachlor	0.05		0.0031 R		0.0048 R	0.024 J	
Aldrin	0.05	0.0021 R			0.0027 R	0.0083 R	
Heptachlor Epoxide	0.05						
Endosulfan I	0.05				0.043 R	0.021 R	
Dieldrin	0.1	0.0034 J	0.0017 J				
4,4'-DDE	0.1						
Endrin	0.1	0.0030 J					
Endosulfan II	0.1						
4,4'-DDD	0.1						
Endosulfan Sulfate	0.1						
4,4'-DDT	0.1	0.0026 J					
Methoxychlor	0.5						
Endrin Ketone	0.1						
Endrin Aldehyde	0.1						
alpha-Chlordane	0.05						
gamma-Chlordane	0.05						
Toxaphene	5						
Aroclor-1016	1						
Aroclor-1221	2						
Aroclor-1232	1						
Aroclor-1242	1						
Aroclor-1248	1						
Aroclor-1254	1						
Aroclor-1260	1						
Quantitation Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		02/16/93	02/16/93	02/23/93	02/17/93	02/22/93	02/17/93
Date Sample Received by Laboratory		02/17/93	02/17/93	02/25/93	02/18/93	02/23/93	02/18/93
Date Sample Extracted		02/22/93	02/22/93	03/01/93	02/22/93	02/24/93	02/22/93
Date of Sample Analysis		04/01/93	04/01/93	04/05/93	04/02/93	04/02/93	04/02/93

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-D10R	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D12	RNS-GW-D12DL	RNS-GW-D13
Laboratory Sample Number		P315	P284	P284DL10	P287	P287DL10	P285
Remarks				Dilution		Dilution	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES	Quantitation Limit (Aq)						
alpha-BHC	0.05		1.3 R				
beta-BHC	0.05						
delta-BHC	0.05	.0069 R					
gamma-BHC (Lindane)	0.05				0.36 R	0.53 R	
Heptachlor	0.05		0.44 R	0.43 R			
Aldrin	0.05						
Heptachlor Epoxide	0.05						
Endosulfan I	0.05						
Dieldrin	0.1						0.0039 J
4,4'-DDE	0.1				0.13 R		
Endrin	0.1						
Endosulfan II	0.1					0.62 R	
4,4'-DDD	0.1						
Endosulfan Sulfate	0.1						
4,4'-DDT	0.1						
Methoxychlor	0.5				19 J	20 J	
Endrin Ketone	0.1				0.16 R		
Endrin Aldehyde	0.1		0.11 J				
alpha-Chlordane	0.05						
gamma-Chlordane	0.05				0.15 J	0.42 J	
Toxaphene	5						
Aroclor-1016	1						
Aroclor-1221	2						
Aroclor-1232	1						
Aroclor-1242	1						
Aroclor-1248	1						
Aroclor-1254	1						
Aroclor-1260	1						
Quantitation Limit Multiplier		1	1	10	1	10	1
Date of Sample Collection		03/17/93	02/23/93	02/23/93	02/23/93	02/23/93	02/23/93
Date Sample Received by Laboratory		03/18/93	02/24/93	02/24/93	02/24/93	02/24/93	02/24/93
Date Sample Extracted		03/18/93	02/24/93	02/24/93	02/24/93	02/24/93	02/24/93
Date of Sample Analysis		03/29/93	04/04/93	04/05/93	04/04/93	04/05/93	04/04/93

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-D14	RNS-GW-D19	RNS-GW-D15	RNS-GW-D16R	RNS-GW-D17	RNS-GW-T1	RNS-GW-T2
Laboratory Sample Number		P280	P281	P276	P309	P275	P292	P293
Remarks			Duplicate of R					
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES	Quantitation Limit (Aq)							
alpha-BHC	0.05					0.0054R	0.069 R	4.7 R
beta-BHC	0.05							
delta-BHC	0.05						0.0057 R	
gamma-BHC (Lindane)	0.05			0.012 R				
Heptachlor	0.05			0.043 J		0.0083J	0.088 R	
Aldrin	0.05					0.0060R	0.012 R	
Heptachlor Epoxide	0.05							1.6 R
Endosulfan I	0.05							
Dieldrin	0.1	0.0023 J						
4,4'-DDE	0.1					0.0029R		
Endrin	0.1			0.14 R		0.0021J		
Endosulfan II	0.1							
4,4'-DDD	0.1			0.0054 R			0.012 J	2.6 R
Endosulfan Sulfate	0.1							
4,4'-DDT	0.1	0.0066 J	0.0067 R	0.024 R		0.0096R		
Methoxychlor	0.5						0.037 J	11
Endrin Ketone	0.1							
Endrin Aldehyde	0.1						0.026 J	
alpha-Chlordane	0.05			0.0064 J				
gamma-Chlordane	0.05							0.068 J
Toxaphene	5							
Aroclor-1016	1							
Aroclor-1221	2							
Aroclor-1232	1							
Aroclor-1242	1							
Aroclor-1248	1							
Aroclor-1254	1							
Aroclor-1260	1							
Quantitation Limit Multiplier		1	1	1	1	1	1	1
Date of Sample Collection		02/22/93	02/22/93	02/22/93	03/15/93	2/22/93	02/24/93	02/24/93
Date Sample Received by Laboratory		02/23/93	02/23/93	02/23/93	03/17/93	2/23/93	02/25/93	02/25/93
Date Sample Extracted		02/24/93	02/24/93	02/24/93	03/18/93	2/24/93	03/01/93	03/01/93
Date of Sample Analysis		04/04/93	04/04/93	04/04/93	03/30/93	4/4/93	04/05/93	04/05/93

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-T2DL	RNS-GW-RW1	RNS-GW-RW1DL	RNS-GW-S22	RNS-GW-S22DL	RNS-GW-RW1-11
Laboratory Sample Number		P293DL100	M304	P304DIL	305	P305DL10	306
Remarks		Dilution		Dilution	Duplicate of RNS-	Duplicate of RNS-	Field Blank
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES	Quantitation Limit (Aq)					Dilution	
alpha-BHC	0.05		4.5 R		4.5 R		
beta-BHC	0.05						
delta-BHC	0.05						
gamma-BHC (Lindane)	0.05		0.36 R	0.51 R	0.38 R		
Heptachlor	0.05						0.014 J
Aldrin	0.05			0.073 R			
Heptachlor Epoxide	0.05				1.2 R		
Endosulfan I	0.05						
Dieldrin	0.1						
4,4'-DDE	0.1						
Endrin	0.1						
Endosulfan II	0.1		0.28 R	0.18 R	0.22 R	0.19 R	
4,4'-DDD	0.1						
Endosulfan Sulfate	0.1		1.0 R		1.3 R		
4,4'-DDT	0.1					0.15 R	0.026 R
Methoxychlor	0.5	9.5 J	15 J	15	3.2 J	7.3	0.024 J
Endrin Ketone	0.1						
Endrin Aldehyde	0.1				1.5 R	1.7 R	
alpha-Chlordane	0.05						
gamma-Chlordane	0.05		0.10 J		0.14 J		
Toxaphene	5						
Aroclor-1016	1						
Aroclor-1221	2						
Aroclor-1232	1						
Aroclor-1242	1						
Aroclor-1248	1						
Aroclor-1254	1						
Aroclor-1260	1						
Quantitation Limit Multiplier		100	1	10	1	10	1
Date of Sample Collection		02/24/93	02/24/93	02/24/93	02/24/93	02/24/93	02/24/93
Date Sample Received by Laboratory		02/25/93	02/25/93	02/25/93	02/25/93	02/25/93	02/25/93
Date Sample Extracted		03/01/93	03/01/93	03/01/93	03/01/93	03/01/93	03/01/93
Date of Sample Analysis		04/06/93	04/09/93	04/08/93	04/09/93	04/09/93	04/09/93

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-AS	RNS-GW-AUB	RNS-GW-AVF1	RNS-GW-B-S	RNS-GW-CS	RNS-GW-CUB
Laboratory Sample Number		P235	P236	P237	P247	P200	P201
Remarks				Duplicate of RNS-			
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES	Quantitation Limit (Aq)						
alpha-BHC	0.05						
beta-BHC	0.05						
delta-BHC	0.05						
gamma-BHC (Lindane)	0.05				0.0087 R		
Heptachlor	0.05		.011 R	.0062 R	0.021 R	.0078 J	.0051 J
Aldrin	0.05				0.0085 J		
Heptachlor Epoxide	0.05						
Endosulfan I	0.05						
Dieldrin	0.1						
4,4'-DDE	0.1						
Endrin	0.1						
Endosulfan II	0.1						
4,4'-DDD	0.1						
Endosulfan Sulfate	0 1						
4,4'-DDT	0.1						
Methoxychlor	0.5						
Endrin Ketone	0.1						
Endrin Aldehyde	0.1						
alpha-Chlordane	0.05						
gamma-Chlordane	0.05						
Toxaphene	5						
Aroclor-1016	1						
Aroclor-1221	2						
Aroclor-1232	1						
Aroclor-1242	1						
Aroclor-1248	1						
Aroclor-1254	1						
Aroclor-1260	1						
Quantitation Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		02/15/93	02/15/93	02/15/93	02/15/93	02/08/93	02/08/93
Date Sample Received by Laboratory		02/16/93	02/16/93	02/16/93	02/16/93	02/10/93	02/10/93
Date Sample Extracted		02/17/93	02/17/93	02/17/93	02/17/93	02/11/93	02/11/93
Date of Sample Analysis		03/29/93	03/29/93	03/29/93	03/29/93	03/18/93	03/18/93

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-C-LBR	RNS-GW-DVF2	RNS-GW-DVF3	RNS-GW-D-LBR	RNS-GW-EVF1	RNS-GW-EVF2
Laboratory Sample Number		P314	P202	P203	P321	P211	P212
Remarks							
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES	Quantitation Limit (Aq)						
alpha-BHC	0.05						
beta-BHC	0.05						
delta-BHC	0.05						
gamma-BHC (Lindane)	0.05						
Heptachlor	0.05				.0059 J		
Aldrin	0.05						
Heptachlor Epoxide	0.05						
Endosulfan I	0.05						
Dieldrin	0.1		.0015 J	.0013 J			
4,4'-DDE	0.1				.0036 R		
Endrin	0.1						
Endosulfan II	0.1						
4,4'-DDD	0.1						
Endosulfan Sulfate	0.1						
4,4'-DDT	0.1						
Methoxychlor	0.5				.034 J		
Endrin Ketone	0.1						
Endrin Aldehyde	0.1						
alpha-Chlordane	0.05						
gamma-Chlordane	0.05						
Toxaphene	5						
Aroclor-1016	1						
Aroclor-1221	2						
Aroclor-1232	1						
Aroclor-1242	1						
Aroclor-1248	1						
Aroclor-1254	1						
Aroclor-1260	1						
Quantitation Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		03/16/93	02/09/93	02/09/93	03/17/93	02/09/93	02/09/93
Date Sample Received by Laboratory		03/18/93	02/10/93	02/10/93	03/18/93	02/10/93	02/10/93
Date Sample Extracted		03/18/93	02/11/93	02/11/93	03/18/93	02/11/93	02/11/93
Date of Sample Analysis		03/24/93	03/18/93	03/18/93	03/30/93	03/18/93	03/17/93

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-EVF3	RNS-GW-EVF5	RNS-GW-EVF4	RNS-GW-E-LBR	RNS-GW-F-VF3R	RNS-GW-FVF3-10
Laboratory Sample Number		P213	P217	P214	P310	P316	P320
Remarks			Duplicate of RNS-				Field Blank
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES	Quantitation Limit (Aq)						
alpha-BHC	0.05				U		
beta-BHC	0.05		.0048 J		U		
delta-BHC	0.05				U		
gamma-BHC (Lindane)	0.05				U	.0038 R	
Heptachlor	0.05			.0044 J	U	.0051 R	
Aldrin	0.05				U		
Heptachlor Epoxide	0.05				U		
Endosulfan I	0.05				U		
Dieldrin	0.1		.0053 J		.0015 J	.0021 J	
4,4'-DDE	0.1				U		
Endrin	0.1				U		
Endosulfan II	0.1				U		
4,4'-DDD	0.1				U		
Endosulfan Sulfate	0.1				U		
4,4'-DDT	0.1				U		
Methoxychlor	0.5				U		
Endrin Ketone	0.1				U		
Endrin Aldehyde	0.1				U		
alpha-Chlordane	0.05		.0022 J		U		
gamma-Chlordane	0.05				U		
Toxaphene	5				U		
Aroclor-1016	1				U		
Aroclor-1221	2				U		
Aroclor-1232	1				U		
Aroclor-1242	1				U		
Aroclor-1248	1				U		
Aroclor-1254	1				U		
Aroclor-1260	1				U		
Quantitation Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		02/09/93	02/09/93	02/09/93	03/16/93	03/17/93	03/17/93
Date Sample Received by Laboratory		02/10/93	02/10/93	02/10/93	03/17/93	03/18/93	03/18/93
Date Sample Extracted		02/11/93	02/11/93	02/11/93	03/18/93	03/18/93	03/18/93
Date of Sample Analysis		03/17/93	03/18/93	03/17/93	03/23/93	03/30/93	03/30/93

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-F-VF4R	RNS-GW-F-VF6R	RNS-GW-F-LBR	RNS-GW-GUB	RNS-GW-H-SR	RNS-GW-H-VF1R
Laboratory Sample Number		P317	P318	P319	M301	P313	P311
Remarks							
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES	Quantitation Limit (Aq)						
alpha-BHC	0.05		UJ				
beta-BHC	0.05		UJ	.0030 J			
delta-BHC	0.05		UJ				
gamma-BHC (Lindane)	0.05	0.010 R	.0026 R		0.0067 R		
Heptachlor	0.05	.0030 R	UJ	0.0082 J	0.043 R	.0043 J	
Aldrin	0.05		UJ				
Heptachlor Epoxide	0.05		UJ				
Endosulfan I	0.05		UJ				
Dieldrin	0.1	.0017 J	UJ			.0018 J	
4,4'-DDE	0.1		UJ		.0022 J		
Endrin	0.1		UJ				
Endosulfan II	0.1		UJ				
4,4'-DDD	0.1		UJ	.0023 R			
Endosulfan Sulfate	0.1		.011 R				
4,4'-DDT	0.1		UJ	.015 J			
Methoxychlor	0.5		.094 R		0.50 U		
Endrin Ketone	0.1		UJ				
Endrin Aldehyde	0.1		UJ				
alpha-Chlordane	0.05		UJ				
gamma-Chlordane	0.05		UJ				
Toxaphene	5		UJ				
Aroclor-1016	1		UJ				
Aroclor-1221	2		UJ				
Aroclor-1232	1		UJ				
Aroclor-1242	1		UJ				
Aroclor-1248	1		UJ				
Aroclor-1254	1		UJ				
Aroclor-1260	1		UJ				
Quantitation Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		03/17/93	03/17/93	03/17/93	02/24/93	03/16/93	03/15/93
Date Sample Received by Laboratory		03/18/93	03/18/93	03/18/93	02/25/93	03/17/93	03/17/93
Date Sample Extracted		03/18/93	03/18/93	03/18/93	03/01/93	03/18/93	03/18/93
Date of Sample Analysis		03/30/93	03/30/93	03/30/93	04/09/93	03/29/93	03/30/93

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-H-UB	RNS-GW-IS	RNS-GW-II	RNS-GW-IUB	RNS-GW-IUB-1	RNS-GW-ILBR	RNS-GW-JVF2
Laboratory Sample Number		P312	P209	P210	P207	P208	P307	P241
Remarks						Field Blank		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES	Quantitation Limit (Aq)							
alpha-BHC	0.05						U	
beta-BHC	0.05						U	
delta-BHC	0.05						U	
gamma-BHC (Lindane)	0.05						U	
Heptachlor	0.05						U	
Aldrin	0.05						U	
Heptachlor Epoxide	0.05						U	
Endosulfan I	0.05						U	
Dieldrin	0.1						U	
4,4'-DDE	0.1						U	
Endrin	0.1						U	
Endosulfan II	0.1						U	
4,4'-DDD	0.1						U	
Endosulfan Sulfate	0.1						U	
4,4'-DDT	0.1						U	
Methoxychlor	0.5	.015 J					U	
Endrin Ketone	0.1						U	
Endrin Aldehyde	0.1						U	
alpha-Chlordane	0.05						U	
gamma-Chlordane	0.05						U	
Toxaphene	5						U	
Aroclor-1016	1						U	
Aroclor-1221	2						U	
Aroclor-1232	1						U	
Aroclor-1242	1						U	
Aroclor-1248	1						U	
Aroclor-1254	1						U	
Aroclor-1260	1						U	
Quantitation Limit Multiplier		1	1	1	1	1	1	1
Date of Sample Collection		03/15/93	02/08/93	02/08/93	02/08/93	02/08/93	3/15/93	02/15/93
Date Sample Received by Laboratory		03/17/93	02/10/93	02/10/93	02/10/93	02/10/93	3/17/93	02/16/93
Date Sample Extracted		03/18/93	02/11/93	02/11/93	02/11/93	02/11/93	3/18/93	02/17/93
Date of Sample Analysis		03/30/93	03/18/93	03/18/93	03/18/93	03/18/93	3/23/93	03/28/93

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-JVF3	RNS-GW-JVF4	RNS-GW-JLB	RNS-GW-KVF2	RNS-GW-KVF4	RNS-GW-KLB
Laboratory Sample Number		P242	P243	P244	P204	P205	P206
Remarks							
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES	Quantitation Limit (Aq)						
alpha-BHC	0.05						
beta-BHC	0.05						
delta-BHC	0.05						
gamma-BHC (Lindane)	0.05						
Heptachlor	0.05	.0028 R			.0049 J	.0061 J	.0041 J
Aldrin	0.05						
Heptachlor Epoxide	0.05						
Endosulfan I	0.05						
Dieldrin	0.1				.0069 J	.0032 J	
4,4'-DDE	0.1						
Endrin	0.1			UJ			
Endosulfan II	0.1						
4,4'-DDD	0.1						
Endosulfan Sulfate	0.1						
4,4'-DDT	0.1						
Methoxychlor	0.5						
Endrin Ketone	0.1						
Endrin Aldehyde	0.1						
alpha-Chlordane	0.05						
gamma-Chlordane	0.05				.0019 J	.0015 J	
Toxaphene	5						
Aroclor-1016	1						
Aroclor-1221	2						
Aroclor-1232	1						
Aroclor-1242	1						
Aroclor-1248	1						
Aroclor-1254	1						
Aroclor-1260	1						
Quantitation Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		02/15/93	02/15/93	02/15/93	02/09/93	02/09/93	02/09/93
Date Sample Received by Laboratory		02/16/93	02/16/93	02/16/93	02/10/93	02/10/93	02/10/93
Date Sample Extracted		02/17/93	02/17/93	02/17/93	02/11/93	02/11/93	02/11/93
Date of Sample Analysis		03/28/93	03/28/93	03/28/93	03/18/93	03/18/93	03/18/93

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-KVF5	RNS-GW-LVF1	RNS-GW-LVF2	RNS-GW-LVF3	RNS-GW-LLB
Laboratory Sample Number		P215	P249	P238	P239	P240
Remarks		Duplicate of RNS-			Duplicate of RNS-	
Units		ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES	Quantitation Limit (Aq)					
alpha-BHC	0.05		.0015 J	R		
beta-BHC	0.05		U	R		
delta-BHC	0.05		U	R		
gamma-BHC (Lindane)	0.05		U	R		
Heptachlor	0.05	.0081 J	U	.0028 R	.0039 R	
Aldrin	0.05		U	R		
Heptachlor Epoxide	0.05		U	R		
Endosulfan I	0.05		U	R		
Dieldrin	0.1	.011 J	.0013 J	R		
4,4'-DDE	0.1		U	R		
Endrin	0.1		U	R		
Endosulfan II	0.1		U	R		
4,4'-DDD	0.1		U	R		
Endosulfan Sulfate	0.1		U	R		
4,4'-DDT	0.1		U	R		
Methoxychlor	0.5		U	R		
Endrin Ketone	0.1		U	R		
Endrin Aldehyde	0.1		U	R		
alpha-Chlordane	0.05		U	R		
gamma-Chlordane	0.05		U	R		
Toxaphene	5		U	R		
Aroclor-1016	1		U	R		
Aroclor-1221	2		U	R		
Aroclor-1232	1		U	R		
Aroclor-1242	1		U	R		
Aroclor-1248	1		U	R		
Aroclor-1254	1		U	R		
Aroclor-1260	1		U	R		
Quantitation Limit Multiplier		1	1	1	1	1
Date of Sample Collection		02/09/93	02/15/93	02/15/93	02/15/93	02/15/93
Date Sample Received by Laboratory		02/10/93	02/17/93	02/16/93	02/16/93	02/16/93
Date Sample Extracted		02/11/93	02/17/93	02/17/93	02/17/93	02/17/93
Date of Sample Analysis		03/18/93	03/29/93	03/29/93	03/26/93	03/26/93

RUETGERS-NEASE CHEMICAL COMPANY, INC.
SALEM, OHIO
ROUND 2 GROUNDWATER RESULTS

Mirex, Photomirex and Kepone

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S1	RNS-GW-S2	RNS-GW-S2	RNS-GW-S3	RNS-GW-S4	RNS-GW-S6
Laboratory Sample Number		M260	M277	M277R	M265	M258	M295
Remarks				10 ml			
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)						
Kepone	0.132						
Photomirex	0.0474						
Mirex	0.00544				0.00260 J		0.256 J
Reporting Limit Multiplier		1	5	5	1	1	5
Date of Sample Collection		02/16/93	02/22/93	02/22/93	02/17/93	02/16/93	02/23/93
Date Sample Received by Laboratory		02/17/93	02/23/93	02/23/93	02/18/93	02/17/93	02/25/93
Date Sample Extracted		02/17/93	02/24/93	02/24/93	02/22/93	02/17/93	02/26/93
Date of Sample Analysis		03/02/93	03/09/93	03/08/93	03/03/93	03/02/93	03/11/93
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S6-111	RNS-GW-S7	RNS-GW-S8	RNS-GW-S9	RNS-GW-S10	RNS-GW-S11
Laboratory Sample Number		M297	M283	M291	M250	M253	M254
Remarks		Field Blank					
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)						
Kepone	0.132						
Photomirex	0.0474		0.0326 JN	0.0416 JN			
Mirex	0.00544	0.00334 J	0.0631	1.57	0.00494 J	0.00357 J	0.00816
Reporting Limit Multiplier		1	1	5	1	1	1
Date of Sample Collection		02/23/93	02/23/93	02/23/93	02/16/93	02/16/93	02/16/93
Date Sample Received by Laboratory		02/25/93	02/24/93	02/24/93	02/17/93	02/17/93	02/17/93
Date Sample Extracted		02/26/93	02/24/93	02/24/93	02/17/93	02/17/93	02/17/93
Date of Sample Analysis		03/11/93	03/10/93	03/10/93	03/01/93	03/01/93	03/01/93
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S12	RNS-GW-S21	RNS-GW-S13	RNS-GW-S14	RNS-GW-S15	RNS-GW-S16
Laboratory Sample Number		M288	M289	M278	M269	M279	M263
Remarks			Duplicate of RNS-				
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)						
Kepone	0.132						
Photomirex	0.0474						
Mirex	0.00544	0.524 J	0.0106 J	0.00544 U	0.00329 J	0.0104 U	
Reporting Limit Multiplier		125	125	1	1	1	1
Date of Sample Collection		02/23/93	02/23/93	02/22/93	02/17/93	02/22/93	02/17/93
Date Sample Received by Laboratory		02/24/93	02/24/93	02/23/93	02/18/93	02/23/93	02/18/93
Date Sample Extracted		02/24/93	02/24/93	02/24/93	02/22/93	02/24/93	02/22/93
Date of Sample Analysis		03/26/93	03/10/93	03/09/93	03/03/93	03/09/93	03/02/93
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-S17	RNS-GW-S20	RNS-GW-S18	RNS-GW-D1	RNS-GW-D1-110	RNS-GW-D2
Laboratory Sample Number		M272	M273	M294	M251	M252	M290
Remarks			Duplicate of RNS-			Field Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)						
Kepone	0.132			13.1 J			
Photomirex	0.0474			4.83 JN			0.00586 JN
Mirex	0.00544			54.2 J	0.00259 J		0.09
Reporting Limit Multiplier		5	5	200	1	1	1
Date of Sample Collection		02/22/93	02/22/93	02/24/93	02/16/93	02/16/93	02/23/93
Date Sample Received by Laboratory		02/23/93	02/23/93	02/25/93	02/17/93	02/17/93	02/24/93
Date Sample Extracted		02/24/93	02/24/93	02/26/93	02/17/93	02/17/93	02/24/93
Date of Sample Analysis		03/08/93	03/08/93	04/08/93	03/01/93	03/01/93	03/10/93
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-D3	RNS-GW-D4	RNS-GW-D5	RNS-GW-D18	RNS-GW-D6	RNS-GW-D7
Laboratory Sample Number		M261	M259	M256	M257	M296	M266
Remarks					Duplicate of RNS-		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)						
Kepone	0.132						
Photomirex	0.0474						
Mirex	0.00544	0.00409 J	0.0056	0.0150 J	0.00870 J		0.00286 J
Reporting Limit Multiplier		1	1	1	1	5	1
Date of Sample Collection		02/16/93	02/16/93	02/16/93	02/16/93	02/23/93	02/17/93
Date Sample Received by Laboratory		02/17/93	02/17/93	02/17/93	02/17/93	02/25/93	02/18/93
Date Sample Extracted		02/17/93	02/17/93	02/17/93	02/17/93	02/26/93	02/22/93
Date of Sample Analysis		03/02/93	03/02/93	03/01/93	03/02/93	03/10/93	03/03/93
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-D8	RNS-GW-D9	RNS-GW-D9RE	RNS-GW-D10	RNS-GW-D11	RNS-GW-D12
Laboratory Sample Number		M274	M264	M264RE	M232	M284	M287
Remarks							
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)						
Kepone	0.132						4.17 J
Photomirex	0.0474					0.0385 JN	2.55 N
Mirex	0.00544	0.00405 J	0.00409 J	0.00263 J		0.241	24.9
Reporting Limit Multiplier		1	1	1	1	1	1.00/50.0/100
Date of Sample Collection		02/22/93	02/17/93	02/17/93	02/10/93	02/23/93	02/23/93
Date Sample Received by Laboratory		02/23/93	02/18/93	02/18/93	02/11/93	02/24/93	02/24/93
Date Sample Extracted		02/24/93	02/22/93	02/22/93	02/16/93	02/24/93	02/24/93
Date of Sample Analysis		03/08/93	03/03/93	03/03/93	02/24/93	03/10/93	3/10, 3/25 &3/25
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-D13	RNS-GW-D14	RNS-GW-D19	RNS-GW-D15	RNS-GW-D16	RNS-GW-D17
Laboratory Sample Number		M285	M280	M281	M276	M227	M275
Remarks				Duplicate of RNS-			
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)						
Kepone	0.132						
Photomirex	0.0474	0.00504 JN					
Mirex	0.00544	0.0344	0.0176	0.0223		.0072 U	
Reporting Limit Multiplier		1	1	1	1	1	5
Date of Sample Collection		02/23/93	02/22/93	02/22/93	02/22/93	02/10/93	02/22/93
Date Sample Received by Laboratory		02/24/93	02/23/93	02/23/93	02/23/93	02/11/93	02/23/93
Date Sample Extracted		02/24/93	02/24/93	02/24/93	02/24/93	02/16/93	02/24/93
Date of Sample Analysis		03/10/93	03/09/93	03/10/93	03/09/93	02/24/93	03/09/93
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-T1	RNS-GW-T2	RNS-GW-RW1	RNS-GW-S22	RNS-GW-RW1-11	RNS-GW-AS
Laboratory Sample Number		M292	M293	M304	M305	M306	M235
Remarks					Duplicate of RNS-	Field Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)						
Kepone	0.132			0.514 J	0.695 J		
Photomirex	0.0474		3.60 N	4.39 J	1.45 J		
Mirex	0.00544	0.00552 J	14.9	180 J	46.7 J		
Reporting Limit Multiplier		5	1.00/10.0/100	1.00/200	1.00/2000	1	1
Date of Sample Collection		02/24/93	02/24/93	02/24/93	02/24/93	02/24/93	02/15/93
Date Sample Received by Laboratory		02/25/93	02/25/93	02/25/93	02/25/93	02/25/93	02/16/93
Date Sample Extracted		02/26/93	02/26/93	02/26/93	02/26/93	02/26/93	02/17/93
Date of Sample Analysis		03/11/93	3/11, 4/6 & 4/8	4/6 & 4/8	4/6 & 4/8	04/08/93	02/25/93
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-AUB	RNS-GW-AVF1	RNS-GW-B-S	RNS-GW-CS	RNS-GW-CUB	RNS-GW-C-LB
Laboratory Sample Number		M236	M237	M247	M200	M201	M223
Remarks			Duplicate of RNS-				
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)						
Kepone	0.132						
Photomirex	0.0474						
Mirex	0.00544	0.00544 U	0.00544 U	0.001511 J	0.205	0.445	0.0211
Reporting Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		02/15/93	02/15/93	02/15/93	02/07/89	02/07/89	02/09/89
Date Sample Received by Laboratory		02/16/93	02/16/93	02/16/93	02/09/89	02/09/89	02/10/89
Date Sample Extracted		02/17/93	02/17/93	02/17/93	02/10/89	02/10/89	02/11/89
Date of Sample Analysis		02/26/93	02/26/93	03/01/93	02/18/89	02/18/89	02/22/89
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-DVF2	RNS-GW-DVF3	RNS-GW-DLBA	RNS-GW-EVF1	RNS-GW-EVF2	RNS-GW-EVF3
Laboratory Sample Number		M202	M203	M221	M211	M212	M213
Remarks							
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)						
Kepone	0.132	UJ					
Photomirex	0.0474	UJ		.0177 R			
Mirex	0.00544	UJ		0.25			
Reporting Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		02/08/89	02/08/89	02/09/93	02/08/89	02/08/89	02/08/89
Date Sample Received by Laboratory		02/09/89	02/09/89	02/10/93	02/09/89	02/09/89	02/09/89
Date Sample Extracted		02/18/89	02/10/89	02/12/93	02/11/89	02/10/89	02/10/89
Date of Sample Analysis		02/22/89	02/18/89	02/24/93	02/18/89	02/22/89	02/22/89
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-EVF5	RNS-GW-EVF4	RNS-GW-ELB	RNS-GW-FVF3	RNS-GW-FVF3-10	RNS-GW-FVF4
Laboratory Sample Number		M215	M214	M218	M228	M233	M229
Remarks		Duplicate of RNS-				Field Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)						
Kepone	0.132						
Photomirex	0.0474						
Mirex	0.00544			0.0332		0.00413 J	
Reporting Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		02/08/89	02/08/89	02/08/89	02/10/93	02/10/93	02/10/93
Date Sample Received by Laboratory		02/09/89	02/09/89	02/09/89	02/11/93	02/11/93	02/11/93
Date Sample Extracted		02/10/89	02/10/89	02/10/89	02/16/93	02/16/93	02/16/93
Date of Sample Analysis		02/22/89	02/22/89	02/22/89	02/24/93	02/25/93	02/24/93
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-FVF6	RNS-GW-FLBA	RNS-GW-GUB	RNS-GW-H-S	RNS-GW-H-VF1	RNS-GW-H-UB
Laboratory Sample Number		M230	M231	M301	M224	M225	M226
Remarks							
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)						
Kepone	0.132						
Photomirex	0.0474				.0441 J		
Mirex	0.00544	0.00544 U	0.00544 U		0.0699		
Reporting Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		02/10/93	02/10/93	02/24/93	02/10/93	02/10/93	02/10/93
Date Sample Received by Laboratory		02/11/93	02/11/93	02/25/93	02/11/93	02/11/93	02/11/93
Date Sample Extracted		02/16/93	02/16/93	02/26/93	02/16/93	02/16/93	02/16/93
Date of Sample Analysis		02/24/93	02/24/93	04/08/93	02/24/93	02/24/93	02/24/93
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-IS	RNS-GW-GW-Ii	RNS-GW-IUB	RNS-GW-IUB-108	RNS-GW-I-LB	RNS-GW-JVF2
Laboratory Sample Number		M209	M210	M207	M208	M222	M241
Remarks					Field Blank		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)						
Kepone	0.132				UJ		
Photomirex	0.0474				UJ		
Mirex	0.00544		0.00393 J	0.0158	UJ	0.0157	
Reporting Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		02/07/89	02/07/89	02/07/89	02/07/89	02/09/89	02/15/93
Date Sample Received by Laboratory		02/09/89	02/09/89	02/09/89	02/09/89	02/10/89	02/16/93
Date Sample Extracted		02/10/89	02/10/89	02/10/89	02/18/89	02/11/89	02/17/93
Date of Sample Analysis		02/18/89	02/18/89	02/18/89	02/22/89	02/22/89	02/25/93
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-JVF3	RNS-GW-JVF4	RNS-GW-JLB	RNS-GW-KVF2	RNS-GW-KVF4	RNS-GW-KLB
Laboratory Sample Number		M242	M243	M244	M204	M205	M206
Remarks							
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)						
Kepone	0.132						UJ
Photomirex	0.0474						UJ
Mirex	0.00544				0.0154	0.00417 J	0.0212 J
Reporting Limit Multiplier		1	1	1	1	1	1
Date of Sample Collection		02/15/93	02/15/93	02/15/93	02/08/89	02/08/89	02/08/89
Date Sample Received by Laboratory		02/16/93	02/16/93	02/16/93	02/09/89	02/09/89	02/09/89
Date Sample Extracted		02/17/93	02/17/93	02/17/93	02/11/89	02/10/89	02/13/89
Date of Sample Analysis		02/25/93	02/25/93	02/25/93	02/18/89	02/16/89	02/22/89
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-GW-LVF1	RNS-GW-LVF2	RNS-GW-LVF3	RNS-GW-LLB
Laboratory Sample Number		M249	M238	M239	M240
Remarks				Duplicate of RNS-	
Units		ug/L	ug/L	ug/L	ug/L
	Reporting Limit(Aq)				
Kepone	0.132				
Photomirex	0.0474				
Mirex	0.00544				0.00544 U
Reporting Limit Multiplier		1	1	1	1
Date of Sample Collection		02/15/93	02/15/93	02/15/93	02/15/93
Date Sample Received by Laboratory		02/17/93	02/16/93	02/16/93	02/16/93
Date Sample Extracted		02/18/93	02/17/93	02/17/93	02/17/93
Date of Sample Analysis		02/25/93	02/26/93	02/25/93	02/25/93
Instrument Used for Analysis		MS-4000	MS-4000	MS-4000	MS-4000

RUETGERS-NEASE CHEMICAL COMPANY, INC.
SALEM, OHIO
ROUND 2 GROUNDWATER RESULTS

Dioxins/Furans

DIOXIN AND FURAN ANALYTICAL RESULTS

ERM-Midwest Sample Number	RNS-GW-S6	RNS-GW-S6-111	RNS-GW-S12	RNS-GW-S21	RNS-GW-S18	RNS-GW-T2
Laboratory Sample Number	32192	32194	32190	32191	32195	32193
Remarks		Field Blank		Dup GW-S12		
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
DIOXINS AND FURANS						
Total TCDD	ND(10.7 cdl) UJ	ND(10.9 cdl) UJ	ND(10.5 cdl) UJ	ND(10.6 cdl) UJ	106 J	16 J
2,3,7,8-TCDD	ND(10.7 cdl) UJ	ND(10.9 cdl) UJ	ND(10.5 cdl) UJ	ND(10.6 cdl) UJ	14.7 J	ND(10.9 cdl) UJ
Total PeCDDS	ND(53.4 cdl) UJ	ND(54.7 cdl) UJ	ND(52.5 cdl) UJ	ND(53.2 cdl) UJ	170 J	ND(54.6 cdl) UJ
1,2,3,7,8-PeCDD	ND(53.4 cdl) UJ	ND(54.7 cdl) UJ	ND(52.5 cdl) UJ	ND(53.2 cdl) UJ	ND(53.7 cdl) UJ	ND(54.6 cdl) UJ
Total HxCDDs	ND(53.4 cdl) UJ	ND(54.7 cdl) UJ	ND(52.5 cdl) UJ	ND(53.2 cdl) UJ	ND(53.7 cdl) UJ	ND(54.6 cdl) UJ
1,2,3,4,7,8-HxCDD	ND(53.4 cdl) UJ	ND(54.7 cdl) UJ	ND(52.5 cdl) UJ	ND(53.2 cdl) UJ	ND(53.7 cdl) UJ	ND(54.6 cdl) UJ
1,2,3,6,7,8-HxCDD	ND(53.4 cdl) UJ	ND(54.7 cdl) UJ	ND(52.5 cdl) UJ	ND(53.2 cdl) UJ	ND(53.7 cdl) UJ	ND(54.6 cdl) UJ
1,2,3,7,8,9-HxCDD	ND(53.4 cdl) UJ	ND(54.7 cdl) UJ	ND(52.5 cdl) UJ	ND(53.2 cdl) UJ	ND(53.7 cdl) UJ	ND(54.6 cdl) UJ
Total HpCDDs	ND(53.4 cdl) UJ	ND(54.7 cdl) UJ	ND(52.5 cdl) UJ	ND(53.2 cdl) UJ	228 J	ND(54.6 cdl) UJ
1,2,3,4,6,7,8-HpCDD	ND(53.4 cdl) UJ	ND(54.7 cdl) UJ	ND(52.5 cdl) UJ	ND(53.2 cdl) UJ	113 J	ND(54.6 cdl) UJ
OCDD	ND(10.7 cdl) UJ	ND(110 cdl) UJ	120 J	ND(107 cdl) UJ	469 J	186 J
Total TCDFs	ND(10.7 cdl) UJ	ND(10.9 cdl) UJ	154 J	139 J	2580 J	3374 J
2,3,7,8-TCDF	ND(10.7 cdl) UJ	ND(10.9 cdl) UJ	ND(10.5 cdl) UJ	ND(10.6 cdl) UJ	146 J	231 J
Total PeCDFs	ND(53.4 cdl) UJ	ND(54.7 cdl) UJ	ND(52.5 cdl) UJ	ND(53.2 cdl) UJ	1600 J	1420 J
1,2,3,7,8-PeCDF	ND(53.4 cdl) UJ	ND(54.7 cdl) UJ	ND(52.5 cdl) UJ	ND(53.2 cdl) UJ	ND(53.7 cdl) UJ	ND(54.6 cdl) UJ
2,3,4,7,8-PeCDF	ND(53.4 cdl) UJ	ND(54.7 cdl) UJ	ND(52.5 cdl) UJ	ND(53.2 cdl) UJ	128 J	229 J
Total HxCDFs	ND(53.4 cdl) UJ	ND(54.7 cdl) UJ	ND(52.5 cdl) UJ	ND(53.2 cdl) UJ	239 J	216 J
1,2,3,4,7,8-HxCDF	ND(53.4 cdl) UJ	ND(54.7 cdl) UJ	ND(52.5 cdl) UJ	ND(53.2 cdl) UJ	94.4 J	118 J
1,2,3,6,7,8-HxDCF	ND(53.4 cdl) UJ	ND(54.7 cdl) UJ	ND(52.5 cdl) UJ	ND(53.2 cdl) UJ	ND(53.7 cdl) UJ	ND(54.6 cdl) UJ
2,3,4,6,7,8-HxCDF	ND(53.4 cdl) UJ	ND(54.7 cdl) UJ	ND(52.5 cdl) UJ	ND(53.2 cdl) UJ	ND(53.7 cdl) UJ	ND(54.6 cdl) UJ
1,2,3,7,8,9-HxCDF	ND(53.4 cdl) UJ	ND(54.7 cdl) UJ	ND(52.5 cdl) UJ	ND(53.2 cdl) UJ	ND(53.7 cdl) UJ	ND(54.6 cdl) UJ
Total HpCDFs	ND(53.4 cdl) UJ	ND(54.7 cdl) UJ	48.5 J	ND(53.2 cdl) UJ	402 J	337 J
1,2,3,4,6,7,8-HpCDF	ND(53.4 cdl) UJ	ND(54.7 cdl) UJ	47.9 J	ND(53.2 cdl) UJ	73.8 J	87.4 J
1,2,3,4,7,8,9-HpCDF	ND(53.4 cdl) UJ	ND(54.7 cdl) UJ	ND(52.5 cdl) UJ	ND(53.2 cdl) UJ	ND(53.7 cdl) UJ	ND(54.6 cdl) UJ
OCDF	ND(107 cdl) UJ UJ	ND(110 cdl) UJ	ND(106 cdl) UJ	ND(107 cdl) UJ	262 J	305 J
Date Sample Collected	Feb-24-1993	Feb-24-1993	Feb-23-1993	Feb-23-1993	Feb-24-1993	Feb-24-1993
Date Sample Received by Laboratory	Feb-25-1993	Feb-25-1993	Feb-24-1993	Feb-24-1993	Feb-25-1993	Feb-25-1993
Date Sample Extracted	Mar-08-1993	Mar-08-1993	Mar-08-1993	Mar-08-1993	Mar-08-1993	Mar-08-1993
Date Sample Analyzed	Mar-17-1993	Mar-17-1993	Mar-17-1993	Mar-17-1993	Mar-17-1993	Mar-17-1993

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RUETGERS-NEASE CHEMICAL COMPANY, INC.
SALEM, OHIO
ROUND 2 GROUNDWATER RESULTS

Inorganics

INORGANIC - ANALYTICAL RESULTS								
ERM-MW Sample Number			RNS-GW-S6	RNS-GW-S6-111	RNS-GW-S12	RNS-GW-S21	RNS-GW-S18	RNS-GW-T2
Laboratory Sample Number			C295	C297	C288	C289	C294	C293
Remarks				Field Blank		Dup GW-S12		
Units			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
INORGANIC ELEMENTS		Detection Limit						
Aluminum	P	44.2	587.43		409450	418830	236450	
Antimony	F	3.3	UJ	4.1 J	UJ	6.4 U	UJ	
Arsenic	F	1.0	60.6		70.4	84.4 J	18.8	5.6 J
Barium	P	0.4	66.13		227.16	239.83	32.89 J	103.02
Beryllium	P	0.2	0.69 J		40.60	39.80	15.15 J	1.02 J
Cadmium	P	1.8	R	R	32.63 J	45.46 J	7.43 J	4.33 J
Calcium	P	10.7	182270 J	80.26 J	376620 J	349210 J	628630 J	266000 J
Chromium	P	3.0	70.56 J	UJ	90.93 J	105.82 J	41.84 J	5.22 J
Cobalt	P	2.4	4.40 J	UJ	548.96 J	548.31 J	325.50 J	4.22 J
Copper	P	1.6	244.21 J	1.86 J	491.64 J	491.49 J	1257.0 J	11.15 U
Iron	P	4.8	175990	35.60	471660	475480	282230	14999
Lead	F	0.9	17.6	1.8	345 J	439 J	17.5	3.5 U
Magnesium	P	43.7	30996		170160	161590	135760	83714
Manganese	P	0.4	7855.9	1.58	62310	58596	57909	426.06
Mercury	CV	0.20	UJ	UJ	0.26 J	0.63 J	1.77	UJ
Nickel	P	4.6	139.50 J	UJ	1155.10 J	1224.9 J	519.17 J	29.87 J
Potassium	P	460.1	2552.7 J		14414	15230	13220	4314.0 J
Selenium	F	1.9			(2x)	(5x)	(2x)	
Silver	P	2.4	11.49 J	UJ	23.85 J	24.69 J	24.08 J	23.23 J
Sodium	P	138.1	110780	316.48	919080	874780	266740	120240
Thallium	F	1.2			1.6 J	5.4 J	1.9 J	
Vanadium	P	2.0	4.85 U	UJ	86.24 J	93.02 J	315.58 J	6.69 U
Zinc	P	3.7	1390.6 J	5.27 J	6648.4 J	7949.9 J	1678.5 J	162.02 J
Cyanide	A	10					25.3	

ANALYTICAL METHOD:

P - Inductively Coupled Plasma
F - Graphite Furnace Atomic Absorption
CV - Cold Vapor Atomic Absorption
A - Auto Analyzer

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APPENDIX K

SITE SURFACE DRAINAGEWAYS
Laboratory Analytical Results

APPENDIX K

SITE SURFACE DRAINAGEWAYS
SURFACE WATER
Laboratory Analytical Results

APPENDIX K
SITE SURFACE DRAINAGEWAYS
Surface Water

- Volatile Compounds
- Semivolatile Compounds
- Semivolatile Tentatively Identified Compounds
- Pesticides
- PCBs
- Mirex, Photomirex and Kepone

LEGEND:

-	Compound was not detected.
J	Quantitation is approximate due to limitations identified during the quality control review (data validation).
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."
R	Unreliable result - analyte may or may not be present in this sample.
UL	This analyte was not detected, but the quantitation limit is higher due to a low bias identified during the quality assurance review.
U	This compound should be considered "not detected" since it was detected in a blank at a similar level.
S	Matrix spike compound.
NA	Not analyzed.
B	This result is qualitatively suspect since this compound was detected in field and/or laboratory blanks at similar levels.
NR	Not received in time to be included in this submittal.
blank	The compound/constituent was analyzed for, but was not detected at a concentration at/or above the quantitation limit/detection limit.
*	The presence of this compound is indicated; however, the exact concentration cannot be calculated.
**	This result for this compound is being reported from a dilution analysis.

RUETGERS-NEASE CHEMICAL COMPANY, INC.
SALEM, OHIO

SITE SURFACE DRAINAGEWAYS
SURFACE WATER

Volatile Compounds

VOLATILE ORGANIC ANALYSES -			ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT				
ERM-Midwest Sample Number		RNS-	SW-55	SW-55DL	SW-57	SW-57-105	SW-57-202
ratory File Number			6062-07	6062-07D	6062-08	6062-09	6062-11
ks						Field Blank	Trip Blank
			ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quant. Limit (Aq)	Quant. Limit (Sol)					
Chloromethane	10	10					
Bromomethane	10	10					
Vinyl Chloride	10	10					
Chloroethane	10	10					
Methylene Chloride	5.0	5.0	5.0 U			6.0	5.0 J
Acetone	10	10	86 U				
Carbon Disulfide	5.0	5.0					
1,1-Dichloroethene	5.0	5.0					
1,1-Dichloroethane	5.0	5.0					
1,2-Dichloroethene (total)	5.0	5.0	21 J	8.0 J			
Chloroform	5.0	5.0	3.0 J				
1,2-Dichloroethane	5.0	5.0	100 J	63 J			
2-Butanone	10	10					
1,1,1-Trichloroethane	5.0	5.0					
Carbon Tetrachloride	5.0	5.0	2.0 J				
Vinyl Acetate	10	10			6.0 J		
Bromodichloromethane	5.0	5.0					
1,1,2,2-Tetrachloroethane	5.0	5.0	470 J	310 J			
1,2-Dichloropropane	5.0	5.0					
trans-1,3-Dichloropropene	5.0	5.0					
Trichloroethene	5.0	5.0	94 J	61 J			
Dibromochloromethane	5.0	5.0	2.0 J				
Trichloroethane	5.0	5.0	4.0 J				
e	5.0	5.0	140 J	90 J			
ichloropropene	5.0	5.0					
Bromoform	5.0	5.0	6.0				
2-Hexanone	10	10					
4-Methyl-2-Pentanone	10	10					
Tetrachloroethene	5.0	5.0	340 J	220 J			
Toluene	5.0	5.0	25	18 J			
Chlorobenzene	5.0	5.0	13	9.0 J			
Ethylbenzene	5.0	5.0	2.0 J				
Styrene	5.0	5.0					
Xylene (total)	5.0	5.0	6.0				
Quantitation Limit Multiplier			1.0	5.0	1.0	1.0	1.0
Date Sample Received by Laboratory			04/24/90	04/24/90	04/24/90	04/24/90	04/24/90
Date of Sample Analysis			05/04/90	05/06/90	05/04/90	05/04/90	05/04/90
Instrument Used for Analysis			MS-V1	MS-V4	MS-V4	MS-V4	MS-V1

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VOLATILE ORGANIC ANALYSES -		BASIS					
ERM-Midwest Sample Number		RNS-	SW-58	SW-58DL	SW-59	SW-72	SW-72-206
Laboratory File Number			6062-06	6062-06DL	6062-05	7684-05	7684-03
Remarks							Trip Blank
Units			ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quant. Limit (Aq)	Quant. Limit (Sol)					
Chloromethane	10	10		NA			3 J
Bromomethane	10	10		NA			
Vinyl Chloride	10	10		NA			
Chloroethane	10	10		NA			
Methylene Chloride	5.0	5.0		NA	6.0 U	5 U	13
Acetone	10	10	170	NA			6 J
Carbon Disulfide	5.0	5.0		NA			
1,1-Dichloroethene	5.0	5.0		NA			
1,1-Dichloroethane	5.0	5.0		NA			
1,2-Dichloroethane (total)	5.0	5.0	14	NA			
Chloroform	5.0	5.0	1.0 J	NA			
1,2-Dichloroethane	5.0	5.0	69	NA			
2-Butanone	10	10		NA			
1,1,1-Trichloroethane	5.0	5.0		NA			
Carbon Tetrachloride	5.0	5.0		NA			
Vinyl Acetate	10	10		NA			
Bromodichloromethane	5.0	5.0		NA			
1,1,2,2-Tetrachloroethane	5.0	5.0	140	NA	62		
1,2-Dichloropropane	5.0	5.0		NA			
trans-1,3-Dichloropropene	5.0	5.0		NA			
Trichloroethene	5.0	5.0	82	NA	5.0		
Dibromochloromethane	5.0	5.0		NA			
1,1,2-Trichloroethane	5.0	5.0	5.0	NA			
Benzene	5.0	5.0	38	NA	2.0 J		
cis-1,3-Dichloropropene	5.0	5.0		NA			
Bromoform	5.0	5.0		NA			
2-Hexanone	10	10		NA			
4-Methyl-2-Pentanone	10	10		NA			
Tetrachloroethene	5.0	5.0	54	NA	10		
Toluene	5.0	5.0		NA			
Chlorobenzene	5.0	5.0	1.0 J	NA			
Ethylbenzene	5.0	5.0		NA			
Styrene	5.0	5.0		NA			
Xylene (total)	5.0	5.0		NA			
Quantitation Limit Multiplier			1.0	NA	1.0	1.00	1.00
Date Sample Received by Laboratory			04/24/90	NA	04/24/90	11/30/90	11/30/90
Date of Sample Analysis			05/04/90	NA	05/04/90	12/07/90	12/07/90
Instrument Used for Analysis			MS-V1	NA	MS-V1	MS-V2	MS-V2

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VOLATILE ORGANIC ANALYSES -						
ERM-Midwest Sample Number		RNS-	SW-72-113	SW-73	SW-73-207	SW-74
ratory File Number			7684-04	7765-01	7765-05	7765-02
arks			Field Blank		Trip Blank	
Units			ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quant. Limit (Aq)	Quant. Limit (Sol)				
Chloromethane	10	10				
Bromomethane	10	10				
Vinyl Chloride	10	10				
Chloroethane	10	10				
Methylene Chloride	5.0	5.0	4 J	5 U	14	5 U
Acetone	10	10				
Carbon Disulfide	5.0	5.0				
1,1-Dichloroethene	5.0	5.0				
1,1-Dichloroethane	5.0	5.0				
1,2-Dichloroethene (total)	5.0	5.0				
Chloroform	5.0	5.0				
1,2-Dichloroethane	5.0	5.0				
2-Butanone	10	10				
1,1,1-Trichloroethane	5.0	5.0				
Carbon Tetrachloride	5.0	5.0				
Vinyl Acetate	10	10				
Bromodichloromethane	5.0	5.0				
1,1,2,2-Tetrachloroethane	5.0	5.0				
1,2-Dichloropropane	5.0	5.0				
trans-1,3-Dichloropropene	5.0	5.0				
Trichloroethene	5.0	5.0				
Dibromochloromethane	5.0	5.0				
-Trichloroethane	5.0	5.0				
ne	5.0	5.0				
-Dichloropropene	5.0	5.0				
Bromoform	5.0	5.0				
2-Hexanone	10	10				
4-Methyl-2-Pentanone	10	10				
Tetrachloroethene	5.0	5.0				
Toluene	5.0	5.0				
Chlorobenzene	5.0	5.0				
Ethylbenzene	5.0	5.0				
Styrene	5.0	5.0				
Xylene (total)	5.0	5.0				
Quantitation Limit Multiplier			1.00	1.00	1.00	1.00
Date Sample Received by Laboratory			11/30/90	12/01/90	12/01/90	12/01/90
Date of Sample Analysis			12/07/90	12/11/90	12/11/90	12/11/90
Instrument Used for Analysis			MS-V2	MS-V3	MS-V2	MS-V3

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RUETGERS-NEASE CHEMICAL COMPANY, INC.
SALEM, OHIO

SITE SURFACE DRAINAGEWAYS
SURFACE WATER

Semivolatile Compounds

EXTRACTABLE ORGANIC ANALYSIS							
ERM-Midwest Sample Number		SW-55	SW-55DL	SW-57	SW-57-105	SW-57-202	SW-58
Laboratory File Number		6062-07	6062-07D	6062-08	6062-09	6062-11	6062-06
Remarks					Field Blank	Trip Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
Phenol	10					NA	
bis(2-Chloroethyl)Ether	10					NA	
2-Chlorophenol	10					NA	
1,3-Dichlorobenzene	10					NA	
1,4-Dichlorobenzene	10					NA	
Benzyl Alcohol	10	11				NA	7.0 J
1,2-Dichlorobenzene	10	160 J	180			NA	28
2-Methylphenol	10					NA	
bis(2-Chloroisopropyl)Ether	10					NA	
4-Methylphenol	10					NA	
N-Nitroso-Di-n-Propylamine	10					NA	
Hexachloroethane	10	4.0 J	5.0 J			NA	
Nitrobenzene	10					NA	
Isophorone	10					NA	
2-Nitrophenol	10	1.0 J				NA	
2,4-Dimethylphenol	10					NA	
Benzoic Acid	50					NA	360 J
bis(2-Chloroethoxy)Methane	10					NA	
2,4-Dichlorophenol	10	4.0 J				NA	
1,2,4-Trichlorobenzene	10					NA	
Naphthalene	10					NA	
4-Chloroaniline	10					NA	
Hexachlorobutadiene	10					NA	
4-Chloro-3-Methylphenol	10					NA	
2-Methylnaphthalene	10					NA	
Hexachlorocyclopentadiene	10					NA	
2,4,6-Trichlorophenol	10					NA	
2,4,5-Trichlorophenol	50					NA	
2-Chloronaphthalene	10					NA	
2-Nitroaniline	50					NA	
Dimethyl Phthalate	10					NA	
Acenaphthylene	10					NA	
3-Nitroaniline	50					NA	
Acenaphthene	10					NA	
2,4-Dinitrophenol	50					NA	
4-Nitrophenol	50					NA	
Dibenzofuran	10					NA	
2,4-Dinitrotoluene	10					NA	
2,6-Dinitrotoluene	10					NA	
Diethylphthalate	10					NA	
4-Chlorophenyl-phenylether	10					NA	
Fluorene	10					NA	
4-Nitroaniline	50					NA	
4,6-Dinitro-2-Methylphenol	50					NA	
N-Nitrosodiphenylamine (1)	10					NA	
4-Bromophenyl-phenylether	10					NA	
Hexachlorobenzene	10					NA	
Pentachlorophenol	10					NA	
Phenanthrene	10					NA	
Anthracene	10					NA	
Di-n-Butylphthalate	10					NA	
Fluoranthene	10					NA	
Pyrene	10					NA	
Butylbenzylphthalate	10					NA	
3,3'-Dichlorobenzidine	20					NA	
Benzo(a)Anthracene	10					NA	
Chrysene	10					NA	

EXTRACTABLE ORGANIC ANALYSIS							
ERM-Midwest Sample Number		SW-55	SW-55DL	SW-57	SW-57-105	SW-57-202	SW-58
Laboratory File Number		6062-07	6062-07D	6062-08	6062-09	6062-11	6062-06
Remarks					Field Blank	Trip Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
bis(2-Ethylhexyl)Phthalate	10					NA	
Di-n-Octyl Phthalate	10					NA	
Benzo(b)Fluoranthene	10					NA	
Benzo(k)Fluoranthene	10					NA	
Benzo(a)Pyrene	10					NA	
Indeno(1,2,3-cd)Pyrene	10					NA	
Dibenz(a,h)Anthracene	10					NA	
Benzo(g,h,i)Perylene	10					NA	
Diphenyl Sulfone	10	390 J	450			NA	180 J
Quantitation Limit Multiple		1.0	3.0	1.0	1.0	NA	1.0
Date Sample Received by Laboratory		04/24/90	04/24/90	04/24/90	04/24/90	NA	04/24/90
Date Sample Extracted		04/24/90	04/24/90	04/24/90	04/24/90	NA	04/24/90
Date of Analysis		05/10/90	05/14/90	05/10/90	05/10/90	NA	05/10/90
Instrument Used for Analysis		GCMSS6	GCMSS6	GCMSS6	GCMSS6	NA	GCMSS6

EXTRACTABLE ORGANIC ANALYSIS							
ERM-Midwest Sample Number		SW-58DL	SW-59	SW-72	SW-72-113	SW-73	SW-74
Laboratory File Number		6062-06DL	6062-05	7684-05	7684-04	7765-01	7765-02
Remarks					Field Blank		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
Phenol	10						
bis(2-Chloroethyl)Ether	10					1 J	
2-Chlorophenol	10						
1,3-Dichlorobenzene	10						
1,4-Dichlorobenzene	10						
Benzyl Alcohol	10	5.0 J					
1,2-Dichlorobenzene	10	31	13				
2-Methylphenol	10						
bis(2-Chloroisopropyl)Ether	10						
4-Methylphenol	10						
N-Nitroso-Di-n-Propylamine	10						
Hexachloroethane	10						
Nitrobenzene	10						
Isophorone	10						
2-Nitrophenol	10						
2,4-Dimethylphenol	10						
Benzoic Acid	50	310					
bis(2-Chloroethoxy)Methane	10						
2,4-Dichlorophenol	10						
1,2,4-Trichlorobenzene	10						
Naphthalene	10						
4-Chloroaniline	10						
Hexachlorobutadiene	10						
4-Chloro-3-Methylphenol	10						
2-Methylnaphthalene	10						
Hexachlorocyclopentadiene	10						
2,4,6-Trichlorophenol	10						
2,4,5-Trichlorophenol	50						
2-Chloronaphthalene	10						
2-Nitroaniline	50						
Dimethyl Phthalate	10						
Acenaphthylene	10						
3-Nitroaniline	50						
Acenaphthene	10						
2,4-Dinitrophenol	50						
4-Nitrophenol	50						
Dibenzofuran	10						
2,4-Dinitrotoluene	10						
2,6-Dinitrotoluene	10						
Diethylphthalate	10						
4-Chlorophenyl-phenylether	10						
Fluorene	10						
4-Nitroaniline	50						
4,6-Dinitro-2-Methylphenol	50						
N-Nitrosodiphenylamine (1)	10						
4-Bromophenyl-phenylether	10						
Hexachlorobenzene	10						
Pentachlorophenol	10						
Phenanthrene	10						
Anthracene	10						
Di-n-Butylphthalate	10						
Fluoranthene	10						
Pyrene	10						
Butylbenzylphthalate	10						
3,3'-Dichlorobenzidine	20						
Benzo(a)Anthracene	10						
Chrysene	10						

EXTRACTABLE ORGANIC ANALYSIS							
ERM-Midwest Sample Number		SW-58DL	SW-59	SW-72	SW-72-113	SW-73	SW-74
Laboratory File Number		6062-06DL	6062-05	7684-05	7684-04	7765-01	7765-02
Remarks					Field Blank		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)						
bis(2-Ethylhexyl)Phthalate	10						
Di-n-Octyl Phthalate	10						
Benzo(b)Fluoranthene	10						
Benzo(k)Fluoranthene	10						
Benzo(a)Pyrene	10						
Indeno(1,2,3-cd)Pyrene	10						
Dibenz(a,h)Anthracene	10						
Benzo(g,h,i)Perylene	10						
Diphenyl Sulfone	10	210	110				
Quantitation Limit Multiple		2.0	1.00	1.00	1.00	1.00	1.00
Date Sample Received by Laboratory		04/24/90	04/24/90	11/30/90	11/30/90	12/01/90	12/01/90
Date Sample Extracted		04/24/90	04/24/90	12/05/90	12/05/90	12/05/90	12/05/90
Date of Analysis		05/14/90	05/10/90	12/22/90	12/22/90	12/21/90	12/21/90
Instrument Used for Analysis		GCMSS6	GCMSS6	GCMSS1	GCMSS1	GCMSS1	GCMSS1

RUETGERS-NEASE CHEMICAL COMPANY, INC.
SALEM, OHIO

SITE SURFACE DRAINAGEWAYS
SURFACE WATER

Pesticides/PCBs

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS												
ERM-Midwest Sample Number		SW-55	SW-55DL	SW-57	SW-57-10	SW-57-20	SW-58	SW-58DL	SW-59	SW-72	SW-73	SW-74
Laboratory File Number		6062-07	6062-07D	6062-08	6062-09	6062-11	6062-06	6062-06D	6062-05	55922-11	55922-12	55922-13
Remarks					Field Blank	Trip Blank						
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES/PCBs	Quantitation Limit (Aq)											
alpha-BHC	0.05		NA			NA		NA				
beta-BHC	0.05		NA			NA		NA				
delta-BHC	0.05		NA			NA		NA				
gamma-BHC (Lindane)	0.05		NA			NA		NA				
Heptachlor	0.05		NA			NA		NA				
Aldrin	0.05		NA			NA		NA				
Heptachlor epoxide	0.05		NA			NA		NA				
Endosulfan I	0.05		NA			NA		NA				
Dieldrin	0.10		NA			NA		NA				
4,4'-DDE	0.10		NA			NA		NA				
Endrin	0.10		NA			NA		NA				
Endosulfan II	0.10		NA			NA		NA				
4,4'-DDD	0.10		NA			NA		NA				
Endosulfan sulfate	0.10		NA			NA		NA				
4,4'-DDT	0.10		NA			NA		NA				
Methoxychlor	0.50	0.67	NA			NA		NA				
Endrin ketone	0.10		NA			NA		NA				
alpha-Chlordane	0.10		NA			NA		NA				
gamma-Chlordane	0.10		NA			NA		NA				
Toxaphene	1.0		NA			NA		NA				
Aroclor-1016	0.5		NA			NA		NA				
Aroclor-1221	0.5		NA			NA		NA				
Aroclor-1232	0.5		NA			NA		NA				
Aroclor-1242	0.5		NA			NA		NA				
Aroclor-1248	0.5		NA			NA		NA				
Aroclor-1254	1.0		NA			NA		NA				
Aroclor-1260	1.0		NA			NA		NA				
Quantitation Limit Multiplie		1.0	NA	1.0	1.0	NA	1.0	NA	1.0	1.00	1.00	1.00
Date Sample Received by Laboratory		04/24/90	NA	04/24/90	04/24/90	NA	04/24/90	NA	04/24/90	11/30/90	12/01/90	12/01/90
Date Sample Extracted		04/25/90	NA	04/25/90	04/25/90	NA	04/25/90	NA	04/25/90	12/04/90	12/04/90	12/04/90
Date Sample of Analysis		05/15/90	NA	05/15/90	05/15/90	NA	05/15/90	NA	05/15/90	12/18/90	12/18/90	12/18/90
Instrument Used for Analysis		MS-24	NA	MS-24	MS-24	NA	MS-24	NA	MS-24			

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RUETGERS-NEASE CHEMICAL COMPANY, INC.
SALEM, OHIO

SITE SURFACE DRAINAGEWAYS
SURFACE WATER

Mirex, Photomirex and Kepone

EXTRACTABLE ORGANIC ANALYSIS									
ERM-Midwest Sample Number		SW-55	SW-55DL	SW-57	SW-57-105	SW-57-202	SW-58	SW-58DL	SW-59
Laboratory File Number		6062-07	6062-07D	6062-08	6062-09	6062-11	6062-06	6062-06DL	6062-05
Remarks					Field Blank	Trip Blank			
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUNDS	Quantitation Limit (Aq)								
Kepone	0.132	0.292 J							
Photomirex	0.0474	0.0151 J							
Mirex	0.00544	0.362						0.0304		0.0636
Date Sample Received by Laboratory		04/24/90	04/24/90	04/24/90	04/24/90	04/24/90	04/24/90	04/24/90	04/24/90
Date Sample Extracted		04/26/90	04/26/90	04/26/90	04/26/90	04/26/90	04/26/90	04/26/90	04/26/90
Date of Sample Analysis		05/23/90	05/23/90	05/23/90	05/23/90	05/23/90	05/23/90	05/23/90	05/23/90
Instrument Used for Analysis		GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3

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APPENDIX K

SITE SURFACE DRAINAGEWAYS
SEDIMENT
Laboratory Analytical Results

APPENDIX K
SITE SURFACE DRAINAGEWAYS
Sediment

- Volatile Compounds
- Semivolatile Compounds
- Semivolatile Tentatively Identified Compounds
- Pesticides
- PCBs
- Mirex, Photomirex and Kepone

LEGEND:

-	Compound was not detected.
J	Quantitation is approximate due to limitations identified during the quality control review (data validation).
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."
R	Unreliable result - analyte may or may not be present in this sample.
UL	This analyte was not detected, but the quantitation limit is higher due to a low bias identified during the quality assurance review.
U	This compound should be considered "not detected" since it was detected in a blank at a similar level.
S	Matrix spike compound.
NA	Not analyzed.
B	This result is qualitatively suspect since this compound was detected in field and/or laboratory blanks at similar levels.
NR	Not received in time to be included in this submittal.
blank	The compound/constituent was analyzed for, but was not detected at a concentration at/or above the quantitation limit/detection limit.
*	The presence of this compound is indicated; however, the exact concentration cannot be calculated.
**	This result for this compound is being reported from a dilution analysis.

RUETGERS-NEASE CHEMICAL COMPANY, INC.
SALEM, OHIO

SITE SURFACE DRAINAGEWAYS
SEDIMENT

Volatile Compounds

VOLATILE ORGANIC ANALYSIS								
ERM-Midwest Sample Number		RNS-SD-53	RNS-SD-54	RNS-SD-54-DL	RNS-SD-54-218	RNS-SD-55	RNS-SD-75	RNS-SD-56
Laboratory Sample Number		V023	V024	V024D	V025	V014	V015	V018
Remarks				Dilution	Trip Blank		Duplicate of SD-55	
Units		ug/Kg	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg
VOLATILE COMPOUNDS	Quantitation Limit							
Chloromethane	10				17 N			
Bromomethane	10							
Vinyl Chloride	10		14 J					
Chloroethane	10							
Methylene Chloride	10	2 B	2 B		7 J	2 B	2 B	
Acetone	10	14 U	UJ	41 U	2 J		29 U	
Carbon Disulfide	10							
1,1-Dichloroethene	10							
1,1-Dichloroethane	10							
Total 1,2-Dichloroethene	10		380 J	210		260	280	
Chloroform	10		16 J	16 J		2 J	2 J	
1,2-Dichloroethane	10		320 J	640		60	53	
2-Butanone	10	UJ	UJ		UJ		4 J	
1,1,1-Trichloroethane	10						3 J	
Carbon Tetrachloride	10							
Bromodichloromethane	10							
1,1,2,2-Tetrachloroethane	10		350 J	370		190	160	
1,2-Dichloropropane	10		3 J					
trans-1,3-Dichloropropene	10							
Trichloroethene	10	2 J	340 J	420		76	95	
Dibromochloromethane	10							
1,1,2-Trichloroethane	10		10 J				5 J	
Benzene	10		45 J	59 J		55	45	
cis-1,3-Dichloropropene	10							
Bromoform	10							
2-Hexanone	10	UJ	UJ		UJ			
4-Methyl-2-Pentanone	10							
Tetrachloroethene	10	14 U	1800 J	1900	1 J	77 J	120 J	24 U
Toluene	10		8 J				2 J	
Chlorobenzene	10		16 J	20 J		12 J	12 J	
Ethylbenzene	10							
Styrene	10	UJ	UJ		UJ	UJ	UJ	UJ
Total Xylenes	10						4 J	
Quantitation Limit Multiplier		1.4	2.0	10.0	1.0	1.8	1.5	2.4
Date of Sample Collection		11/17/92	11/17/92	11/17/92	11/17/92	11/16/92	11/16/92	11/16/92
Date Sample Received by Laboratory		11/18/92	11/18/92	11/18/92	11/18/92	11/17/92	11/17/92	11/17/92
Date of Sample Analysis		11/24/92	11/24/92	11/24/92	11/24/92	11/23/92	11/23/92	11/23/92
Instrument Used for Analysis		MS-1050	MS-1050	MS-1050	MS-1050	MS-1050	MS-1050	MS-1050

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VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number		RNS-SD-56-217	RNS-SD-57	RNS-SD-57-113	RNS-SD-58	RNS-SD-59	SD-72	SD-72-114	SD-73	SD-74
Laboratory Sample Number		V019	V016	V017	V013	V020	7664-02	7664-01	7765-03	7765-04
Remarks		Trip Blank		Field Blank				Field Blank		DUP-SD-73
Units		ug/L	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg
VOLATILE COMPOUNDS	Quantitation Limit									
Chloromethane	10	33 N								
Bromomethane	10									
Vinyl Chloride	10									
Chloroethane	10									
Methylene Chloride	10					4 B	85 U	6	67 U	59 U
Acetone	10	2 J			17 U	21 U	69 U	8 J	150	450
Carbon Disulfide	10					4 J				
1,1 Dichloroethene	10									
1,1 Dichloroethane	10									
Total 1,2-Dichloroethene	10				22	14 J				
Chloroform	10									
1,2-Dichloroethane	10				12 J	5 J				
2-Butanone	10	W				W	69 U		86 U	190 U
1,1,1-Trichloroethane	10				5 J					
Carbon Tetrachloride	10									
Bromodichloromethane	10									
1,1,2,2-Tetrachloroethane	10		8 J		3 J					
1,2 Dichloropropane	10									
trans-1,3-Dichloropropene	10									
Trichloroethene	10				19	3 J				
Dibromochloromethane	10									
1,1,2-Trichloroethane	10									
Benzene	10				2 J					
cis-1,3-Dichloropropene	10									
Bromoform	10									
2-Hexanone	10	W				W				
4-Methyl-2-Pentanone	10									
Tetrachloroethene	10	1 J	38 U	1 J	12 J	21 U				
Toluene	10								27 J	
Chlorobenzene	10									
Ethylbenzene	10									
Styrene	10	W	W	W	W	W				
Total Xylenes	10									
Quantitation Limit Multiplier		1.0	3.8	1.0	1.4	2.1	6.9	1.0	8.6	8.5
Date of Sample Collection		11/16/92	11/16/92	11/16/92	11/16/92	11/16/92				
Date Sample Received by Laboratory		11/17/92	11/17/92	11/17/93	11/17/92	11/18/92	11/30/90	11/30/90	12/01/90	12/01/90
Date of Sample Analysis		11/24/92	11/23/92	11/23/93	11/23/92	11/24/92	12/10/90	12/07/90	12/11/90	12/11/90
Instrument Used for Analysis		MS-1050	MS-1050	MS-1050	MS-1050	MS-1050	MS-V2	MS-V2	MS-V2	MS-V2

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RUETGERS-NEASE CHEMICAL COMPANY, INC.
SALEM, OHIO

SITE SURFACE DRAINAGEWAYS
SEDIMENT

Semivolatile Compounds

EXTRACTABLE ORGANIC ANALYSIS						
ERM-Midwest Sample Number			RNS-SD-53	RNS-SD-54	RNS-SD-55	RNS-SD-75
·horatory Sample Number			S023	S024	S014	S015
·uks						Dup SD-55
			ug/Kg	ug/Kg	ug/Kg	ug/Kg
SEMIVOLATILE COMPOUNDS	Quantitation	Quantitation				
	Limit (Aq)	Limit (Sol)				
Phenol	10	330			43 J	32 J
bis(2-Chloroethyl)ether	10	330				
2-Chlorophenol	10	330				
1,3-Dichlorobenzene	10	330				
1,4-Dichlorobenzene	10	330		260 J	96 J	66 J
1,2-Dichlorobenzene	10	330	540	6800	4300 J	3000 J
2-Methylphenol	10	330				
2,2-Oxybis(1-Chloropropane)	10	330				
4-Methylphenol	10	330				
N-Nitroso-di-n-Propylamine	10	330				
Hexachloroethane	10	330		98 J	220 J	180 J
Nitrobenzene	10	330				
Isophorone	10	330				
2-Nitrophenol	10	330				
2,4-Dimethylphenol	10	330				
bis(2-Chloroethoxy)methane	10	330				
2,4-Dichlorophenol	10	330		51 J	420 J	350 J
1,2,4-Trichlorobenzene	10	330				
Naphthalene	10	330		260 J	85 J	66 J
4-Chloroaniline	10	330				
Hexachlorobutadiene	10	330		230 J	160 J	130 J
4-Chloro-3-Methylphenol	10	330				
2-Methylnaphthalene	10	330		460 J	110 J	88 J
·exachlorocyclopentadiene	10	330	UJ	UJ	UJ	UJ
2,4,6-Trichlorophenol	10	330			95 J	86 J
2,4,5-Trichlorophenol	25	800				
2-Chloronaphthalene	10	330				
2-Nitroaniline	25	800				
Dimethylphthalate	10	330				
Acenaphthylene	10	330			48 J	37 J
3-Nitroaniline	25	800	UJ	UJ	UJ	UJ
Acenaphthene	10	330			33 J	27 J
2,4-Dinitrophenol	25	800				
4-Nitrophenol	25	800	UJ	UJ	UJ	UJ
Dibenzofuran	10	330		110 J	72 J	60 J
2,4-Dinitrotoluene	10	330				
2,6-Dinitrotoluene	10	330				
Diethylphthalate	10	330	450 U		600 U	500 U
4-Chlorophenylphenylether	10	330				
Fluorene	10	330			45 J	34 J
4-Nitroaniline	25	800	UJ	UJ	UJ	UJ
4,6-Dinitro-2-Methylphenol	25	800				
N-Nitrosodiphenylamine	10	330				
4-Bromophenylphenylether	10	330				
Hexachlorobenzene	10	330		2300	3000	2400
Pentachlorophenol	25	800				
Phenanthrene	10	330	26 J	530 J	250 J	200 J

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EXTRACTABLE ORGANIC ANALYSIS						
ERM-Midwest Sample Number			RNS-SD-53	RNS-SD-54	RNS-SD-55	RNS-SD-75
Laboratory Sample Number			S023	S024	S014	S015
Remarks						Dup SD-55
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg
SEMIVOLATILE COMPOUNDS	Quantitation	Quantitation				
	Limit (Aq)	Limit (Sol)				
Anthracene	10	330		38 J	110 J	52 J
Carbazole	10	330				
Di-n-Butylphthalate	10	330				
Fluoranthene	10	330			730	450 J
Pyrene	10	330			920 J	570 J
Butylbenzylphthalate	10	330				
3,3'-Dichlorobenzidine	10	330	UJ	UJ	UJ	UJ
Benzo(a)anthracene	10	330		110 J	410 J	270 J
bis(2-Ethylhexyl)phthalate	10	330	450 U	890 U	600 U	500 U
Chrysene	10	330		230 J	510 J	380 J
Di-n-Octylphthalate	10	330	UJ	UJ	UJ	UJ
Benzo(b)fluoranthene	10	330		160 J	470 J	310 J
Benzo(k)fluoranthene	10	330		170 J	370 J	300 J
Benzo(a)pyrene	10	330		110 J	310 J	200 J
Indeno(1,2,3-cd)pyrene	10	330				
Dibenz(a,h)anthracene	10	330				
Benzo(g,h,i)perylene	10	330				
3,4-Dichloronitrobenzene	10	1022				
Diphenylsulfone	25	1680		10,000	9800	8200
Quantitation Limit Multiplier			1.37	2	1.78	1.5
Date of Sample Collection			11/17/92	11/17/92	11/16/92	11/16/92
Date Sample Received by Labora			11/18/92	11/18/92	11/17/92	11/17/92
Date Sample Extracted			11/25/92	11/25/92	11/25/92	11/25/92
Date of Sample Analysis			12/25/92	12/25/92	12/24/92	12/24/92
Instrument Used for Analysis			TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

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EXTRACTABLE ORGANIC ANALYSIS						
ERM-Midwest Sample Number			RNS-SD-56	RNS-SD-57	RNS-SD-57-113	RNS-SD-58
ratory Sample Number			S018	S016	S017	S013
rks					Field Blank	
ts			ug/Kg	ug/Kg	ug/L	ug/Kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)				
Phenol	10	330			R	60 J
bis(2-Chloroethyl)ether	10	330			R	
2-Chlorophenol	10	330			R	
1,3-Dichlorobenzene	10	330			R	
1,4-Dichlorobenzene	10	330			R	
1,2-Dichlorobenzene	10	330	410 J	540 J	R	210 J
2-Methylphenol	10	330			R	
2,2-Oxybis(1-Chloropropane)	10	330			R	
4-Methylphenol	10	330			R	
N-Nitroso-di-n-Propylamine	10	330			R	
Hexachloroethane	10	330			R	
Nitrobenzene	10	330			R	
Isophorone	10	330			R	
2-Nitrophenol	10	330			R	
2,4-Dimethylphenol	10	330			R	
bis(2-Chloroethoxy)methane	10	330			R	
2,4-Dichlorophenol	10	330			R	
1,2,4-Trichlorobenzene	10	330			R	
Naphthalene	10	330	67 J		R	
4-Chloroaniline	10	330			R	
Hexachlorobutadiene	10	330			R	
4-Chloro-3-Methylphenol	10	330			R	
2-Methylnaphthalene	10	330	110 J		R	
exachlorocyclopentadiene	10	330	UJ	UJ	R	UJ
2,4,6-Trichlorophenol	10	330			R	
2,4,5-Trichlorophenol	25	800			R	
2-Chloronaphthalene	10	330			R	
2-Nitroaniline	25	800			R	
Dimethylphthalate	10	330			R	
Acenaphthylene	10	330			R	
3-Nitroaniline	25	800	UJ	UJ	R	UJ
Acenaphthene	10	330			R	
2,4-Dinitrophenol	25	800			R	
4-Nitrophenol	25	800	UJ	UJ	R	UJ
Dibenzofuran	10	330	46 J		R	
2,4-Dinitrotoluene	10	330			R	
2,6-Dinitrotoluene	10	330			R	
Diethylphthalate	10	330	800 U	1300	R	
4-Chlorophenylphenylether	10	330			R	
Fluorene	10	330			R	
4-Nitroaniline	25	800	UJ	UJ	R	UJ
4,6-Dinitro-2-Methylphenol	25	800			R	
N-Nitrosodiphenylamine	10	330			R	
4-Bromophenylphenylether	10	330			R	
Hexachlorobenzene	10	330			R	47 J
Pentachlorophenol	25	800			R	
Phenanthrene	10	330	170 J	75 J	R	

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EXTRACTABLE ORGANIC ANALYSIS						
ERM-Midwest Sample Number			RNS-SD-56	RNS-SD-57	RNS-SD-57-113	RNS-SD-58
Laboratory Sample Number			S018	S016	S017	S013
Remarks					Field Blank	
Units			ug/Kg	ug/Kg	ug/L	ug/Kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)				
Anthracene	10	330			R	
Carbazole	10	330			R	
Di-n-Butylphthalate	10	330		1300 U	R	
Fluoranthene	10	330	140 J		R	81 J
Pyrene	10	330	160 J		R	71 J
Butylbenzylphthalate	10	330	160 J		R	
3,3'-Dichlorobenzidine	10	330	UJ	UJ	R	UJ
Benzo(a)anthracene	10	330	80 J	66 J	R	47 J
bis(2-Ethylhexyl)phthalate	10	330	900 U	1300 U	25 J	460 U
Chrysene	10	330	91 J	88 J	R	56 J
Di-n-Octylphthalate	10	330	UJ	UJ	R	UJ
Benzo(b)fluoranthene	10	330	78 J		R	40 J
Benzo(k)fluoranthene	10	330	68 J		R	44 J
Benzo(a)pyrene	10	330			R	38 J
Indeno(1,2,3-cd)pyrene	10	330			R	24 J
Dibenz(a,h)anthracene	10	330			R	
Benzo(g,h,i)perylene	10	330			R	
3,4-Dichloronitrobenzene	10	1022			R	
Diphenylsulfone	25	1680			R	1100 J
Quantitation Limit Multiplier			2.4	3.9	1	1.38
Date of Sample Collection			11/16/92	11/16/92	11/16/92	11/16/92
Date Sample Received by Labora			11/17/92	11/17/92	11/17/92	11/17/92
Date Sample Extracted			11/25/92	11/25/92	12/22/92	11/25/92
Date of Sample Analysis			12/24/92	12/24/92	01/14/93	12/24/92
Instrument Used for Analysis			TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

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EXTRACTABLE ORGANIC ANALYSIS							
ERM-Midwest Sample Number			RNS-SD-59	RNS-SD-72-114	RNS-SD-72	RNS-SD-73	RNS-SD-74
Laboratory Sample Number			S020	7684-01	7684-02	7765-03	7765-04
Remarks				Field Blank			DUP SD-73
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)					
Phenol	10	330					
bis(2-Chloroethyl)ether	10	330					
2-Chlorophenol	10	330					
1,3-Dichlorobenzene	10	330					
1,4-Dichlorobenzene	10	330					
1,2-Dichlorobenzene	10	330	710 U				
2-Methylphenol	10	330					
2,2-Oxybis(1-Chloropropane)	10	330					
4-Methylphenol	10	330					
N-Nitroso-di-n-Propylamine	10	330					
Hexachloroethane	10	330					
Nitrobenzene	10	330					
Isophorone	10	330					
2-Nitrophenol	10	330					
2,4-Dimethylphenol	10	330					
bis(2-Chloroethoxy)methane	10	330					
2,4-Dichlorophenol	10	330					
1,2,4-Trichlorobenzene	10	330					
Naphthalene	10	330					
4-Chloroaniline	10	330					
Hexachlorobutadiene	10	330					
4-Chloro-3-Methylphenol	10	330					
2-Methylnaphthalene	10	330					
Hexachlorocyclopentadiene	10	330	UJ				
2,4,6-Trichlorophenol	10	330					
2,4,5-Trichlorophenol	25	800					
2-Chloronaphthalene	10	330					
2-Nitroaniline	25	800					
Dimethylphthalate	10	330					
Acenaphthylene	10	330					
3-Nitroaniline	25	800	UJ				
Acenaphthene	10	330					
2,4-Dinitrophenol	25	800					
4-Nitrophenol	25	800	UJ				
Dibenzofuran	10	330					
2,4-Dinitrotoluene	10	330					
2,6-Dinitrotoluene	10	330					
Diethylphthalate	10	330					
4-Chlorophenylphenylether	10	330					
Fluorene	10	330					
4-Nitroaniline	25	800	UJ				
4,6-Dinitro-2-Methylphenol	25	800					
N-Nitrosodiphenylamine	10	330					
4-Bromophenylphenylether	10	330					
Hexachlorobenzene	10	330					
Pentachlorophenol	25	800					
Phenanthrene	10	330					

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EXTRACTABLE ORGANIC ANALYSIS							
ERM-Midwest Sample Number			RNS-SD-59	RNS-SD-72-114	RNS-SD-72	RNS-SD-73	RNS-SD
Laboratory Sample Number			S020	7684-01	7684-02	7785-03	7785-0
Remarks				Field Blank			DUP SD-73
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
SEMIVOLATILE COMPOUNDS	Quantitation	Quantitation					
	Limit (Aq)	Limit (Sol)					
Anthracene	10	330					
Carbazole	10	330					
Di-n-Butylphthalate	10	330					
Fluoranthene	10	330					
Pyrene	10	330					
Butylbenzylphthalate	10	330					
3,3'-Dichlorobenzidine	10	330	UJ				
Benzo(a)anthracene	10	330					
bis(2-Ethylhexyl)phthalate	10	330	1500 U				
Chrysene	10	330					
Di-n-Octylphthalate	10	330	UJ				
Benzo(b)fluoranthene	10	330					
Benzo(k)fluoranthene	10	330					
Benzo(a)pyrene	10	330					
Indeno(1,2,3-cd)pyrene	10	330					
Dibenz(a,h)anthracene	10	330					
Benzo(g,h,i)perylene	10	330					
3,4-Dichloronitrobenzene	10	1022					
Diphenylsulfone	25	1680					
Quantitation Limit Multiplier			2.14	1	28.5	36.4	39.4
Date of Sample Collection			11/16/92				
Date Sample Received by Labora			11/18/92	11/30/90	11/30/90	12/1/90	12/1/
Date Sample Extracted			11/25/92	12/5/90	12/5/90	12/5/90	12/5/
Date of Sample Analysis			12/24/92	12/22/90	12/22/90	12/21/90	12/21/
Instrument Used for Analysis			TRIO-1A	GSMSS1	GSMSS1	GSMSS1	GSMSS1

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RUETGERS-NEASE CHEMICAL COMPANY, INC.
SALEM, OHIO

SITE SURFACE DRAINAGEWAYS
SEDIMENT

Pesticides/PCBs

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number			RNS-SD-53	RNS-SD-53DL	RNS-SD-54	RNS-SD-54DL	RNS-SD-55	RNS-SD-55DL	RNS-SD-75	RNS-SD-75DL
Laboratory Sample Number			P023	P023DL10	P024	P024DL10	PO14DL10	P014DL100	P015DL10	P015DL100
Remarks				Dilution		Dilution		Dilution	Duplicate of SD-55	Dilution
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
PESTICIDES/AROCLORS	Quantitation Limit (Aq)	Quantitation Limit (Sol)								
alpha-BHC	0.05	1.7								
beta-BHC	0.05	1.7								
delta-BHC	0.05	1.7								
gamma-BHC (Lindane)	0.05	1.7								
Heptachlor	0.05	1.7								
Aldrin	0.05	1.7								
Heptachlor Epoxide	0.05	1.7								
Endosulfan I	0.05	1.7								
Dieldrin	0.1	3.3			4.7 J		12 J		13 J	
4,4'-DDE	0.1	3.3								
Endrin	0.1	3.3								
Endosulfan II	0.1	3.3								
4,4'-DDD	0.1	3.3			11J					
Endosulfan Sulfate	0.1	3.3								
4,4'-DDT	0.1	3.3								
Methoxychlor	0.5	17	30 J	26 J	330 J	330 J	1000 J	850 J	1600 J	1400 J
Endrin Ketone	0.1	3.3								
Endrin Aldehyde	0.1	3.3								
alpha-Chlordane	0.05	1.7								
gamma-Chlordane	0.05	1.7								
Toxaphene	5	170								
Aroclor-1016	1	33								
Aroclor-1221	2	67								
Aroclor-1232	1	33								
Aroclor-1242	1	33								
Aroclor-1248	1	33								
Aroclor-1254	1	33								
Aroclor-1260	1	33								
Quantitation Limit Multiplier			1.36	13.6	2	20	18.2	182	15.2	152
Date of Sample Collection			11/17/92	11/17/92	11/17/92	11/17/92	11/16/92	11/16/92	11/16/92	11/16/92
Date Sample Received by Laboratory			11/18/92	11/18/92	11/18/92	11/18/92	11/17/92	11/17/92	11/17/92	11/17/92
Date Sample Extracted			11/24/92	11/24/92	11/24/92	11/24/92	11/24/92	11/24/92	11/24/92	11/24/92
Date of Sample Analysis			12/25/92	12/25/92	12/25/92	12/25/92	12/24/92	12/24/92	12/24/92	12/24/92

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EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number			RNS-SD-56	RNS-SD-57	RNS-SD-57-113	RNS-SD-58	RNS-SD-59	RNS-SD-59DL	SD-72	SD-72
Laboratory Sample Number			P018	P016	P017	P013	P020	P020DL10	55922-08	55922-10
Remarks					Field Blank			Dilution		
Units			ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/Kg
PESTICIDES/AROCLORS	Quantitation Limit (Aq)	Quantitation Limit (Sol)								
alpha-BHC	0.05	1.7			R					
beta-BHC	0.05	1.7			R					
delta-BHC	0.05	1.7			R					
gamma-BHC (Lindane)	0.05	1.7			R		UJ			
Heptachlor	0.05	1.7			R		UJ			
Aldrin	0.05	1.7			R		UJ			
Heptachlor Epoxide	0.05	1.7			R					
Endosulfan I	0.05	1.7			R					
Dieldrin	0.1	3.3			R					
4,4'-DDE	0.1	3.3			R					
Endrin	0.1	3.3			R					
Endosulfan II	0.1	3.3			R					
4,4'-DDD	0.1	3.3			R					
Endosulfan Sulfate	0.1	3.3			R					
4,4'-DDT	0.1	3.3			R					
Methoxychlor	0.5	17			R					
Endrin Ketone	0.1	3.3			R					
Endrin Aldehyde	0.1	3.3			R					
alpha-Chlordane	0.05	1.7			R					
gamma-Chlordane	0.05	1.7			R					
Toxaphene	5	170			R					
Aroclor-1016	1	33			R					
Aroclor-1221	2	67			R					
Aroclor-1232	1	33			R					
Aroclor-1242	1	33			R					
Aroclor-1248	1	33			R					
Aroclor-1254	1	33			R					
Aroclor-1260	1	33			R					
Quantitation Limit Multiplier			2.42	3.82	1	1.4	2.12	21.2	1.00	7.12
Date of Sample Collection			11/16/92	11/16/92	11/16/92	11/16/92	11/16/92	11/16/92		
Date Sample Received by Laboratory			11/17/92	11/17/92	11/17/92	11/17/92	11/18/92	11/18/92	11/30/90	11/30/90
Date Sample Extracted			11/24/92	11/24/92	12/22/92	11/24/92	11/24/92	11/24/92	12/04/90	12/03/90
Date of Sample Analysis			12/24/92	12/24/92	01/06/93	12/24/92	12/24/92	12/24/92	12/18/90	01/05/91

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EXTRACTABLE ORGANIC ANALYSIS						
ERM-Midwest Sample Number			SD-72-113	SD-72-114	SD-73	SD-74
Laboratory Sample Number			55922-07	55922-09	55922-14	55922-15
Remarks			Field Blank	Field Blank		DUP SD-73
Units			ug/L	ug/L	ug/Kg	ug/Kg
PESTICIDES/AROCLORS	Quantitation Limit (Aq)	Quantitation Limit (Sol)				
alpha-BHC	0.05	1.7				
beta-BHC	0.05	1.7				
delta-BHC	0.05	1.7				
gamma-BHC (Lindane)	0.05	1.7				
Heptachlor	0.05	1.7				
Aldrin	0.05	1.7				
Heptachlor Epoxide	0.05	1.7				
Endosulfan I	0.05	1.7				
Dieldrin	0.1	3.3				
4,4'-DDE	0.1	3.3				
Endrin	0.1	3.3				
Endosulfan II	0.1	3.3				
4,4'-DDD	0.1	3.3				
Endosulfan Sulfate	0.1	3.3				
4,4'-DDT	0.1	3.3				
Methoxychlor	0.5	17				
Endrin Ketone	0.1	3.3				
Endrin Aldehyde	0.1	3.3				
alpha-Chlordane	0.05	1.7				
gamma-Chlordane	0.05	1.7				
Toxaphene	5	170				
Aroclor-1016	1	33				
Aroclor-1221	2	67				
Aroclor-1232	1	33				
Aroclor-1242	1	33				
Aroclor-1248	1	33				
Aroclor-1254	1	33				
Aroclor-1260	1	33				
Quantitation Limit Multiplier			1.00	1.00	7.75	8.38
Date of Sample Collection						
Date Sample Received by Laboratory			11/30/90	11/30/90	12/01/90	12/01/90
Date Sample Extracted			12/04/90	12/04/90	12/03/90	12/03/90
Date of Sample Analysis			12/17/90	12/18/90	01/05/91	01/05/91

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RUETGERS-NEASE CHEMICAL COMPANY, INC.
SALEM, OHIO

SITE SURFACE DRAINAGEWAYS
SEDIMENT

Mirex, Photomirex and Kepone

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number			RNS-SD-53	RNS-SD-54	RNS-SD-55	RNS-SD-75	RNS-SD-56	RNS-SD-57	RNS-SD-57RE
Laboratory Sample Number			M023	M024	M014	M015	M018	M016	M016RE
Remarks						Dup SD-55			
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
	Reporting Limit (Aq)	Reporting Limit (Sol)							
Kepone	0.132	68.0	R	R	R	R	R	R	R
Photomirex	0.0474	20.4	57.3	299 J	401 J	530 J			R
Mirex	0.00544	18.5	380 J	46,400 J	129,000 J	106,000 J	267 J	136.0	874 J
Detection Limit Multiplier			4.36/13.6	2.04/204/408	1.81/362/724	1.5/300/601	2.4	3.8	3.8
Date of Sample Collection			11/16/92	11/16/92	11/16/92	11/16/92	11/16/92	11/16/92	11/16/92
Date Sample Received by Laboratory			11/18/92	11/18/92	11/17/92	11/17/92	11/17/92	11/17/92	11/17/92
Date Sample Extracted			11/23/92	11/23/92	11/23/92	11/23/92	11/23/92	11/20/92	12/20/92
Date of Sample Analysis			12/31 & 1/12	12/30 & 12/31 & 1	12/30 & 12/31 & 1	12/30 & 12/31 & 1	12/31/92	12/31/92	01/15/93
Instrument Used for Analysis			MS-4000	MS-4000	MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

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EXTRACTABLE ORGANIC ANALYSIS									
ERM-Midwest Sample Number			RNS-SD-57-113	RNS-SD-58	RNS-SD-59	RNS-SD-72-114	RNS-SD-72	RNS-SD-73	RNS-SD-74
Laboratory Sample Number			M017	M013	M020	7684-01	7684-02	7765-03	7765-04
Remarks			Field Blank			Field Blank			DUP SD-73
Units			ug/L	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
	Reporting Limit (Aq)	Reporting Limit (Sol)							
Kepone	0.132	68.0	R	R	R		R		
Photomirex	0.0474	20.4	R	46.3	36.6 J				
Mirex	0.00644	18.5	0.00632 J	1100 J	11,400	.003 J	513 J	513 J	438.0
Detection Limit Multiplier			1.0	1.41/35.2	2.17/543	1.0	6.9	6.9	6.8
Date of Sample Collection			11/16/92	11/16/92	11/16/92				
Date Sample Received by Laboratory			11/17/92	11/17/92	11/17/92	11/30/90	11/30/90	12/1/90	12/1/90
Date Sample Extracted			12/22/92	11/22/92	11/23/92	12/4/90	12/5/90	12/5/90	12/5/90
Date of Sample Analysis			01/12/93	12/31 & 1/12	01/15/93	12/13/90	12/14/90	12/14/90	12/14/90
Instrument Used for Analysis			MS-4000	MS-4000	MS-4000	GSMSS3	GSMSS3	GSMSS3	GSMSS3

G:\LAB\CDSED\SEDMPK.WQ1

APPENDIX K - AIR

METEOROLOGICAL DATA AND AMBIENT AIR MONITORING RESULTS

NEASE CHEMICAL COMPANY SITE
SALEM, OHIO

KEY TO AVIATION WEATHER OBSERVATIONS

LOCATION IDENTIFIER TYPE AND TIME OF REPORT *	SKY AND CEILING	VISIBILITY WEATHER AND OBSTRUCTION TO VISION	SEA-LEVEL PRESSURE	TEMPERATURE AND DEW POINT	WIND	ALTIMETER SETTING	REMARKS AND CODED DATA
MCI SA 0758	15 SCT M25 OVC	1R-F	132	/58/56	/1807	/993/	R01VR20V40

SKY AND CEILING

Sky cover contractions are for each layer in ascending order. Figures preceding contractions are base heights in hundreds of feet above station elevation. Sky cover contractions used are:

CLR = Clear: Less than 0.1 sky cover.
SCT = Scattered: 0.1 to 0.5 sky cover.
BKN = Broken: 0.6 to 0.9 sky cover.
OVC = Overcast: More than 0.9 sky cover.

— = Thin (When prefixed to SCT, BKN, OVC).
—X = Partly obscured: 0.9 or less of sky hidden by precipitation or obstruction to vision (bases at surface).
X = Obscured: 1.0 sky hidden by precipitation or obstruction to vision (bases at surface).

A letter preceding the height of a base identifies a ceiling layer and indicates how ceiling height was determined. Thus:

E = Estimated
M = Measured
W = Vertical visibility into obscured sky

V = Immediately following the height of a base indicates a variable ceiling.

VISIBILITY

Reported in statute miles and fractions (V = Variable)

WEATHER AND OBSTRUCTION TO VISION SYMBOLS

A	Hail	IC	Ice crystals	S	Snow
BD	Blowing dust	IF	Ice-fog	SG	Snow grains
BN	Blowing sand	IP	Ice pellets	SP	Snow pellets
BS	Blowing snow	IPW	Ice pellet showers	SW	Snow showers
D	Dust	K	Smoke	T	Thunderstorms
F	Fog	L	Drizzle	T+	Severe thunderstorm
GF	Ground fog	R	Rain	ZL	Freezing drizzle
H	Haze	RW	Rain showers	ZR	Freezing rain

Precipitation intensities are indicated thus: - Light; (no sign) Moderate; + Heavy

WIND Direction in tens of degrees from true north, speed in knots. 0000 indicates calm. G indicates gusty. Q indicates Squalls. Peak wind speed in the past 10 minutes follows G or Q when gusts or squalls are reported. The contraction WSHFT, followed by GMT time group in remarks, indicates windshift and its time of occurrence. (Knots x 1.15 = statute mi/hr).

EXAMPLES: 3627 = wind from 360 Degrees at 27 knots;
3627G40 = wind from 360 Degrees at 27 knots, peak speed in gusts 40 knots

ALTIMETER SETTING

The first figure of the actual altimeter setting is always omitted from the report.

RUNWAY VISUAL RANGE (RVR)

RVR is reported from some stations. For planning purposes, the value range during 10 minutes prior to observations and based on runway light setting 5 are reported in hundreds of feet. Runway identification precedes RVR report.

PILOT REPORTS (PIREPs)

When available, PIREPs in fixed-format may be appended to weather observations. PIREPs are designated by UA or UUA for urgent PIREPs.

DECODED REPORT

Kansas City International: Record observation completed at 0758 UTC 1500 feet scattered clouds, measured ceiling 2500 feet overcast, visibility 1 mile, light rain, fog, sea-level pressure 1013.2 millibars, temperature 58°F, dewpoint 56°F, wind from 180°, at 7 knots, altimeter setting 29.93 inches. Runway 01, visual range 2000 feet lowest 4000 feet highest in the past 10 minutes.

*** TYPE OF REPORT**

SA = a scheduled record observation
SP = an unscheduled special observation indicating a significant change in one or more elements
RS = a scheduled record observation that also qualifies as a special observation

The designator for all three types of observations (SA, SP, RS) is followed by a 24-hour-clock-time-group in Coordinated Universal Time (UTC or Z).

KEY TO AVIATION WEATHER FORECASTS

TERMINAL FORECASTS contain information for specific airports on expected ceiling, cloud heights, cloud amounts, visibility, weather and obstructions to vision, and surface wind. They are issued 3 times/day, amended as needed, and are valid for up to 24 hours. The last six hours of each forecast period are covered by a categorical statement indicating whether VFR, MVFR, IFR or LIFR conditions are expected (L in LIFR and M in MVFR indicate "low" and "marginal"). Terminal forecasts are written in the following form:

CEILING: Identified by the letter "C" (for lowest layer with cumulative sky cover greater than 5/10)
CLOUD HEIGHTS: In hundreds of feet above the station (ground)
SKY COVER AMOUNT (including any obscuration)
CLOUD LAYERS: Stated in ascending order of height
VISIBILITY: In statute miles (omitted if over 6 miles)
WEATHER AND OBSTRUCTION TO VISION: Standard weather and obstruction to vision symbols are used
SURFACE WIND: *In tens of degrees and knots (omitted when less than 6 knots)*

EXAMPLE OF TERMINAL FORECAST

DCA 221010: DCA Forecast 22nd day of month - valid time 10Z-10Z
10SCT C18 BKN 5SW—3415G25 OCNL C8 X 1/2SW: Scattered clouds at 1000 feet, ceiling 1800 feet broken, visibility 5 miles, light snow showers, surface wind from 340 degrees at 15 knots, Gusts to 25 knots, occasional ceiling 8 hundred feet sky totally obscured, visibility 1/2 mile in moderate snow showers.
12Z C50 BKN 3312G22: By 12Z becoming ceiling 5000 feet broken, surface wind 330 degrees at 12 knots, Gusts to 22.
04Z MVFR CIG: Last 6 hours of FT after 04Z marginal VFR due to ceiling.

AREA FORECASTS are 12-hour aviation forecasts plus a 6-hour categorical outlook prepared 3 times/day, with each section amended as needed, giving general descriptions of potential hazards, airmass and frontal conditions, icing and freezing level, turbulence and low-level windshear and significant clouds and weather for an area the size of several states. Heights of cloud bases and tops, *turbulence and icing are referenced* ABOVE MEAN SEA LEVEL (MSL): unless indicated by Ceiling (CIG) or ABOVE GROUND LEVEL (AGL). Each SIGMET OR AIRMET affecting an FA area will also serve to amend the Area Forecast.

SIGMET, AIRMET and CWA messages (In-flight advisories) broadcast by FAA on NAVAID voice channels warn pilots of potentially hazardous weather. SIGMET's concern severe and extreme conditions of importance to all aircraft (i.e., icing, turbulence and dust storms/sandstorms or volcanic ash). Convective SIGMET's are issued for thunderstorms if they are sufficiently strong, wide spread or embedded. AIRMET's concern less severe conditions which may be hazardous to aircraft particularly smaller aircraft and less experienced or VFR only pilots. CWA's (Center Weather Advisories) concern both SIGMET and AIRMET type conditions described in greater detail and relating to a specific ARTCC area.

WINDS AND TEMPERATURES ALOFT (FD) FORECASTS are 6, 12, and 24-hour forecasts of wind direction (nearest 10° true N) and speed (knots) for selected flight levels. Forecast Temperatures Aloft (°C) are included for all but the 3000-foot level.

EXAMPLES OF WINDS AND TEMPERATURES ALOFT (FD) FORECASTS.
FD WBC 121645
BASED ON 121200Z DATA
VALID 130000Z FOR USE 2100-0600Z. TEMPS NEG ABV 24000 FT

	3000	6000	9000	12000	18000	24000	30000	34000	39000
BOS	3127	3425-07	3428-11	3421-16	3515-27	3512-38	311649	292451	283451
JFK	3326	3327-08	3324-12	3322-16	3128-27	2923-38	284248	285158	285749

At 6000 feet MSL over JFK wind from 330° at 27 knots and temperature minus 8°C

TWEB (CONTINUOUS TRANSCRIBED WEATHER BROADCAST)-Individual route forecasts covering a 25-nautical-mile zone either side of the route. By requesting a specific route number, detailed en route weather for a 15-hour period plus a synopsis can be obtained

PILOTS. . . . report in-flight weather to nearest FSS. The latest surface weather reports are available by phone at the nearest pilot weather briefing office by calling at H+10.

MF1-10A

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 10, 1990 To convert LST to UTC: 5

Type Time Sky&Ceiling Vsby&Wx&Obsas Slp/Temp/Dp/Wnd/Asi/ Remarks&SupplementalCodedData

SA 0050 250 -SCT 10 180/59/58/2204/007/ 000 1001 74 (GES 05:53Z)

72524 32966 22004 10150 20144 39090 40130 50000 00001 333 10233 20150 70272 555 91006= (GES05:54Z)

SA 0150 250 -SCT 10 184/59/58/2104/000 (GES 06:50Z)
SA 0250 250 -SCT 10 183/59/58/2204/000/ 98323 (GES 07:51Z)
SA 0350 250 -SCT 10 185/59/59/2205/000/ 105 1001 (GES 08:53Z)
SA 0450 250 -SCT 10 189/60/59/2204/009 (GES 09:50Z)
SA 0551 250 -BKN 7 192/59/58/2204/011 (GES 10:52Z)
SA 0650 250 -OVC 10 200/60/58/2305/012/ 214 1007 57 20004 (GES 11:51Z)

72524 32966 02305 10156 20144 39909 40200 52014 00007 333 10233 20139 70010 555 91012= (GES11:53Z)

SA 0750 250 -OVC 10 198/63/59/2206/012 (EES 12:51Z)
SA 0850 250 -BKN 10 201/68/62/2206/013 (EES 13:51Z)
SA 0951 250 -OVC 15 200/73/63/2306/013/ 302 1007 (EES 15:00Z)
SA 1050 250 -OVC 15 202/76/62/2407/013 (EES 15:51Z)
SA 1150 250 -OVC 15 202/77/64/2407/014 (EES 16:51Z)
SA 1251 33 SCT 250 -OVC 15 200/78/63/2407/013/ 000 1107 57 (EES 17:53Z)

72524 32674 02407 10256 20172 39910 40200 50000 02107 333 10256 20139 555 44023 91010= (EES17:54Z)

SA 1350 37 SCT 250 -BKN 15 198/79/64/2307/013 (EES 18:51Z)
SA 1450 40 SCT 250 -BKN 15 193/80/63/2407/011 (EES 19:50Z)
SA 1551 42 SCT 250 -BKN 15 188/80/63/2308/009/ 712 1108 (EES 20:51Z)
SA 1650 250 -OVC 15 187/80/62/2306/010/FEW CU (EES 21:52Z)
SA 1750 250 -OVC 15 192/77/64/2406/010 (EES 22:51Z)
SA 1851 E250 OVC 15 201/74/64/2405/013/ 312 1007 81 (EES 23:53Z)

72524 32974 02405 10233 20178 39910 40201 53012 00007 333 10272 20139 555 91100= (EES23:54Z)

SA 1953 E250 OVC 15 202/70/65/2104/014 (HJW 00:54Z)
SA 2052 E250 OVC 15 205/68/64/2203/015 (HJW 01:53Z)
SA 2153 E250 OVC 15 205/67/63/2104/015/ 105 1007 (HJW 02:54Z)
SA 2250 120 SCT E250 BKN 15 208/66/63/2106/016 (HJW 03:50Z)
SA 2350 50 SCT 250 -OVC 15 211/66/63/2206/017 (GES 04:52Z)

F1-10B

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Station: WSFO, CLEVELAND, OH
Surface Weather Observations Date: SEP 10, 1990 To convert LST to UTC: 5

Time -16-	Station Pressure -17-	Dry Bulb -18-	Wet Bulb -19-	[pressure] tend-ency -37-	net chg -38-	Preci-pitation -40-
0050	29.205			0	000	
0150	29.215					
0250	29.215					
0350	29.220			1	005	
0450	29.230					
0551	29.240					
0650	29.260			2	014	
0750	29.255					
0850	29.265					
0951	29.265			3	002	
1050	29.270					
1150	29.270					
1251	29.265			0	000	
350	29.260					
450	29.245					
1551	29.230			7	012	
1650	29.230					
1750	29.240					
1851	29.265			3	012	
1953	29.270					
2052	29.280					
2153	29.280			1	005	
2250	29.290					
2350	29.300					

[CLOUD LAYERS AND OBSCURING PHENOMENA]

Time -16-	Tot. Sky -21-	[FIRST] Amt -22-	Type -23-	Hgt -24-	[SECOND] Amt -25-	Type -26-	Hgt -27-	1st. Sum -28-	[THIRD] Amt -29-	Type -30-	Hgt -31-	2nd. Sum -32-	[FOURTH] Amt -33-	Type -34-	Hgt -35-	3rd. Sum	[FIFTH] Amt	Type	Hgt	4th Sum	[SIXTH] Amt	Type	Hgt	Tot. Dpq. -36-
0050	3	3	CI	250																				0
0150	3	3	CI	250																				0
0250	2	2	CI	250																				0
0350	2	2	CI	250																				0
0450	3	3	CI	250																				0
0551	7	7	CI	250																				2
0650	10	10	CS	250																				3
750	10	10	CS	250																				3
0850	8	8	CS	250																				2
0951	10	10	CS	250																				3
1050	10	10	CS	250																				3
1150	10	10	CS	250																				4
1251	10	2	CU	33	10	CS	250	10																4
1350	8	2	CU	37	8	CS	250	8																3

1551	8	2	CU	42	8	CS	250	8	3
1650	10	8	CU	42	10	CS	250	10	3
1750	10	10	CS	250					5
1851	10	10	CS	E250					7
1953	10	10	CS	E250					10
2052	10	10	CS	E250					8
2153	10	10	CS	E250					6
2250	9	1	AC	120	9	CS	E250	9	6
2350	10	4	SC	50	6	CS	250	10	5

Synoptic Observations

Time (LST) -42-	No. -43-	Precip. (ins.) - 44 -	Snow Fall (ins.) - 45 -	Snow Depth (ins.) - 46 -	Max. Temp (F) - 47 -	Min. Temp (F) - 48 -	State of Grnd. - 50 -	Soil Temp (F) - 56 -	[Station Pressure] [Computations] Barograph - 64 -	Corr. -65 -
Mid to										
0349		0.00	0.0		68	59				
0449	1	0.00	0.0	0	67	59			29.200	+0.005
0549	2	0.00	0.0	0	68	57			29.250	+0.010
1249	3	0.00	0.0	0	78	60			29.260	+0.005
1249	4	0.00	0.0	0	81	74			29.255	+0.010
Mid.		0.00	0.0	0	75	65				

Summary of Day (Midnight to midnight)

[TEMPS] Max (F) -66-	Min (F) -67-	24-hr Precip (ins.) -69-	24-hr Snow Unoltd (ins.) -69-	Snow Depth (ins.) -70-	[Peak Wind] Spd (kts.) -71	Dir. 72	Time (LST) 73-	[Sky Cover] SR-SS -78-	Mid-Mid -79-	Water Equiv. (ins.) -80-	Sun-Rise	Sun-Set	Total Sun	% Psbl	[Fastest Wind] Spd (mph)	Dir.	Time (LST)
81	57	0.00	0.0	0	15	54	1401	9	8		0602	1846	672	88	9	23	1551

Weather & Obstruction to Vision

Type -82-	Began -83-	End -84-

<<<< None Logged >>>>

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90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLEAR Character of Sunset: CLOUDY

Time Check: 0340/0625/1824/

LAKE TEMP 74 DEGREES//HYGROTHERMOMETER CHECK 1020E H083 D.B. 74.3 D.P. 62.4

SHELTER D.B. 74.7 W.B. 66.0 D.P. 62.6//

MF1-10A

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 11, 1990 To convert LST to UTC: 5

Type Time Sky&Ceiling Vsby&Wx&Obsns Slp/Temp/Dp/Wnd/Asi/ Remarks&SupplementalCodedData

SA 0051 250 -OVC 15 213/66/63/2304/017/ 108 1007 81 (GES 05:54Z)

72524 32974 82304 10189 20172 39924 40213 51008 80007 333 10272 20139 70000 555 91106= (GES05:57Z)

SA 0151 41 SCT 55 SCT E250 OVC 15 213/65/62/0000/017 (GES 06:53Z)
SA 0251 36 SCT M44 BKN 70 OVC 10 213/65/63/0000/017/ 98672 (GES 07:53Z)
RS 0350 8 SCT M30 OVC 7 218/65/63/2204/019/ 305 15// (GES 08:52Z)
SP 0416 M6 OVC 3F 3604/019 (GES 09:17Z)
SA 0450 M6 BKN 11 OVC 3F 221/69/68/0106/020 (GES 09:51Z)
RS 0550 6 SCT M17 BKN 250 OVC 3F 227/69/68/0104/021 (GES 10:52Z)
SP 0607 M8 BKN 13 OVC 2F 0505/022 (GES 11:09Z)
SP 0632 -X 8 SCT M17 BKN 250 OVC 2F 0304/023/F2 (GES 11:34Z)
SP 0643 -X 10 SCT M18 BKN 250 OVC 2F 0505/023/F2 (GES 11:45Z)
SA 0651 -X 10 SCT M23 BKN 250 OVC 2F 234/69/67/0304/023/F1/ 215 1507 64 (GES 11:54Z)

72524 31432 80304 10206 20194 39944 40234 52015 74222 85507 333 10272 20178 555 91112= (GES12:01Z)

SP 0741 -X E25 BKN 250 OVC 3F 0505/023/F1 (EES 12:43Z)
RS 0750 -X M9 BKN 250 OVC 3F 233/71/68/0204/023/F1 (EES 12:51Z)
SA 0850 -X M9 OVC 3F 236/73/68/0206/024/F1 BINOVC (EES 13:50Z)
SP 0929 M12 BKN 20 OVC 3F 0606/024/ BINOVC (EES 14:31Z)
RS 0951 M18 OVC 3F 238/74/68/0405/025/BINOVC/ 203 15// (EES 14:52Z)
SA 1050 M16 OVC 3H 238/75/68/0107/024/BINOVC (EES 15:51Z)
SP 1138 16 SCT 250 -OVC 5H 0105/024 (EES 16:39Z)
SA 1150 16 SCT 250 -OVC 5H 236/77/68/0104/024 (EES 16:51Z)
SA 1251 20 SCT 250 -OVC 5H 234/78/68/3506/023/ 803 1707 64 (EES 17:54Z)

72524 31558 83506 10256 20200 39944 40234 58003 70522 82707 333 10261 20178 555 44024 91118= (EES17:55Z)

SA 1350 250 -BKN 350 -OVC 5H 227/77/67/3508/021/FEW CU (EES 18:51Z)
SA COR 1350 250 -BKN 350 -OVC 5H 227/77/67/3506/021/FEW CU CC OVHD (EES 18:54Z)
SA 1450 150 SCT 250 -OVC 5H 226/76/67/0108/021 (EES 19:51Z)
SA 1550 250 -OVC 6H 226/74/66/0209/021/ 808 1001 (LH 20:50Z)
SA COR 1550 250 -OVC 6H 226/74/66/0209/021/ 608 1001 (LH 20:51Z)
SA 1650 250 -OVC 6H 226/72/65/0407/021 (LH 21:50Z)
SA 1750 250 -OVC 7 226/70/64/0407/021 (LH 22:50Z)
SA 1850 250 -OVC 7 226/68/64/0405/021/ 400 1007 79 (LH 23:50Z)

72524 32961 80405 10200 20178 39936 40226 54000 80007 333 10261 20178 555 91200= (LH23:50Z)

SA 1950 250 -OVC 7 228/68/64/0304/021 (LH 00:50Z)
SA 2050 E250 OVC 10 229/67/63/0403/022/THN SPTS IOVC (LH 01:50Z)
SA 2150 E250 OVC 10 228/66/62/0606/021/THN SPTS IOVC/ 002 1007 (LH 02:50Z)
SA 2250 250 -OVC 10 229/65/62/1306/022 (LH 03:50Z)
SA 2350 250 -OVC 10 227/65/62/0000/021 (GES 04:50Z)

F1-10B

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Station: WSFO, CLEVELAND, OH
Surface Weather Observations Date: SEP 11, 1990 To convert LST to UTC: 5

Time -16-	Station Pressure -17-	Dry Bulb -19-	Wet Bulb -19-	[pressure] tend-ency -37-	net chg -38-	Preci-pitation -40-
0851	29.385			1	008	
0951	29.385					
1051	29.385					
1150	29.320			3	005	
1250	29.330					
1350	29.345					
1451	29.365			2	015	
1550	29.360					
1650	29.370					
1751	29.375			2	003	
1850	29.375					
1950	29.370					
2051	29.365			0	003	
2150	29.345					
2250	29.340					
2350	29.340			6	008	
0050	29.340					
0150	29.340					
0250	29.340			4	020	
0350	29.345					
0450	29.350					
0550	29.345			0	002	
0650	29.350					
0750	29.345					

[CLOUD LAYERS AND OBSCURING PHENOMENA]

Time -16-	[FIRST] Tot. Sky -21-	Amt -22-	Type -23-	Hgt -24-	[SECOND] Amt -25-	Type -26-	Hgt -27-	1st. Sum -28-	[THIRD] Amt -29-	Type -30-	Hgt -31-	2nd. Sum -32-	[FOURTH] Amt -33-	Type -34-	Hgt -35-	3rd. Sum	[FIFTH] Amt	Type	Hgt	4th Sum	[SIXTH] Amt	Type	Hgt	Tot. Opq. -36-
0851	10	10	CS	250																				4
0151	10	4	SC	41	1	SC	55	5	5	CS	E250	10												7
0251	10	2	SC	36	5	SC	M44	7	3	AC	70	10												10
0350	10	4	SC	8	6	SC	M30	10																10
0450	10	7	ST	M6	3	ST	11	10																10
0550	10	3	ST	6	5	SC	M17	8	2	CS	250	10												10
0651	10	1	F	0	2	ST	10	3	3	SC	M23	6	4	CS	250	10								7
0750	10	1	F	0	7	STFRA	M9	8	2	CS	250	10												9
0850	10	1	F	0	9	STFRA	M9	10																10
0951	10	10	SC	M10																				10
1050	10	10	CUFRA	M16																				10
1150	10	3	CUFRA	16	10	CS	250	10																3
1251	10	2	CUFRA	20	10	CS	250	10																3

1450	10	2	AC	150	10	CS	250	10		3
1550	10	10	CI	250						4
1650	10	10	CC	250						5
50	10	10	CI	250						5
50	10	10	CS	250						5
950	10	10	CS	250						5
2050	10	10	CS	E250						8
2150	10	10	CS	E250						8
2250	10	10	CS	250						5
2350	10	10	CS	250						4

Synoptic Observations

Time (LST) -42-	No. -43-	Precip. (ins.) - 44 -	Snow Fall (ins.) - 45 -	Snow Depth (ins.) - 46 -	Max. Temp (F) - 47 -	Min. Temp (F) - 48 -	State of Grnd. - 50 -	Soil Temp (F) - 56 -	[Station Pressure] [Computations] Barograph - 64 -	Corr. -65 -
Mid to										
0049		0.00	0.0		66	65				
0049	1	0.00	0.0	0	75	65			29.295	+0.010
0549	2	0.00	0.0	0	69	64			29.355	+0.010
1249	3	0.00	0.0	0	79	69			29.360	+0.005
1846	4	0.00	0.0	0	79	68			29.335	+0.005
Mid.		0.00	0.0	0	68	64				

Summary of Day (Midnight to midnight)

[TEMPS] Max (F) -66-	Min (F) -67-	24-hr Precip (ins.) -68-	24-hr Snow Unmltd (ins.) -69-	Snow Depth (ins.) -70-	[Peak Wind] Spd (kts.) -71	Dir. 72	Time (LST) 73-	[Sky Cover] SR-SS -78-	Mid-Mid -79-	Water Equiv. (ins.) -80-	Sun-Rise	Sun-Set	Total Sun	% Psbl	[Fastest Wind] Spd (mph)	Dir.	Time (LST)
79	64	0.00	0.0	0	12	N	1500	10	10		0603	1844	468	61	10	2	1550

Weather & Obstruction to Vision

Type -82-	began -83-	end -84-
F	0415	1030
H	1030	1740

90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLOUDY Character of Sunset: CLOUDY

Time Check: 0112/1240/1522/2330

LAKE TEMP 75 DEGREES//ACFT MISHAP 111915Z NTFYD 112015Z//

MF1-10A

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 12, 1990 To convert LST to UTC: 5

Type Time Sky&Ceiling Vsby&Wx&Obsns Slp/Temp/Dp/Wind/Asi/ Remarks&SupplementalCodedData

SA 0050 250 -OVC 10 222/63/61/2034/020/ 805 1007 79 (GES 05:51Z)

72524 32966 82004 10172 20161 39932 40222 58005 80007 333 10261 20172 70000 555 91206= (GES05:53Z)

SA 0150 250 -OVC 10 221/63/61/0000/019 (GES 06:50Z)
SA 0250 250 -OVC 10 219/62/61/0000/019/ 98468 (GES 07:51Z)
SA 0350 250 -OVC 10 216/63/61/1703/018/ 707 1007 (GES 08:52Z)
SA 0450 250 -OVC 10 214/63/61/0000/017 (GES 09:51Z)
SA 0550 250 -OVC 7 220/61/60/0000/019 (GES 10:51Z)
SA 0650 250 -OVC 5F 222/63/61/0000/019/ 305 1007 60 (GES 11:51Z)

72524 31958 60000 10172 20161 39931 40222 53005 71022 80007 333 10261 20156 555 91212= (GES11:52Z)

SA 0750 130 SCT 250 -OVC 5F 221/67/63/1303/019 (EES 12:52Z)
SA 0850 130 SCT E250 OVC 5F 224/71/65/1404/020 (EES 13:51Z)
SA 0951 E130 BKN 250 OVC 5F 226/75/67/1605/021/ 305 1058 (EES 14:53Z)
SA 1050 E130 BKN 250 OVC 5F 224/75/67/1607/020 (EES 15:51Z)
SA 1150 130 SCT E250 OVC 5F 220/78/68/1905/019 (EES 16:51Z)
SA 1251 N30 BKN 130 OVC 5F 215/79/68/1305/018/MDT CB ALQDS/ 710 127/ 60 (EES 17:53Z)

72524 31559 81305 10261 20200 39926 40215 57010 70522 8627/ 333 10272 20156 555 44024 91210= (EES17:54Z)

SA 1350 40 SCT 85 SCT E130 OVC 5F 212/78/66/2006/017/TCU N (EES 18:51Z)
SA 1450 37 SCT E250 OVC 4F 212/76/69/0306/016 (EES 19:51Z)
SA 1550 37 SCT E150 BKN 4H 212/70/68/3604/017/ 703 1170 (LH 20:51Z)
SA 1650 -X 30 SCT E150 BKN 250 BKN 4H 210/76/69/2403/016/H2 (LH 21:50Z)
SA 1750 -X N110 BKN 250 OVC 4H 212/75/68/2104/016/H2 (LH 22:50Z)
SA 1850 -X E250 OVC 4H 211/73/68/1804/016/H2/ 602 1007 81 (LH 23:50Z)

72524 31956 81504 10228 20200 39920 40211 56002 70522 80007 333 10272 20156 555 91300= (LH23:51Z)

SA 1950 -X E250 OVC 4FH 216/71/67/0000/018/H2 (LH 00:51Z)
SA 2050 -X E250 OVC 4FH 215/70/67/1804/018/FH2 (LH 01:50Z)
SA 2150 -X E250 OVC 4F 219/67/66/2005/019/F2/ 208 1007 (LH 02:50Z)
SA 2250 -X E250 OVC 4F 220/67/66/1603/019/F2 (LH 03:50Z)
SA 2350 -X E250 OVC 4F 224/65/64/0000/020/F2 (GES 04:51Z)

!F1-10B

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 12, 1990 To convert LST to UTC: 5

Time -16-	Station Pressure -17-	Dry Bulb -18-	Wet Bulb -19-	[pressure] tend-ency -37-	net chg -38-	Preci-pitation -40-
0050	29.330			8	005	
0150	29.325					
0250	29.320					
0350	29.310			7	007	
0450	29.305					
0550	29.320					
0650	29.325			3	005	
0750	29.325					
0850	29.335					
0951	29.340			3	005	
1050	29.335					
1150	29.325					
1251	29.310			7	010	
1350	29.300					
1450	29.300					
1550	29.300			7	003	
1650	29.295					
1750	29.300					
1850	29.295			6	002	
1950	29.310					
2050	29.310					
2150	29.320			2	008	
2250	29.325					
2350	29.335					

[CLOUD LAYERS AND OBSCURING PHENOMENA]

Time -16-	Tot. Sky -21-	[FIRST] Amt -22-	Type -23-	Hgt -24-	[SECOND] Amt -25-	Type -26-	Hgt -27-	1st. Sum -28-	[THIRD] Amt -29-	Type -30-	Hgt -31-	2nd. Sum -32-	[FOURTH] Amt -33-	Type -34-	Hgt -35-	3rd. Sum	[FIFTH] Amt	Type	Hgt	4th Sum	[SIXTH] Amt	Type	Hgt	Tot. Opq. -36-
0050	10	10	CS	250																				5
0150	10	10	CS	250																				4
0250	10	10	CS	250																				3
0350	10	10	CS	250																				5
0450	10	10	CS	250																				3
0550	10	10	CS	250																				4
0650	10	10	CS	250																				5
0750	10	2	AC	130	10	CS	250	10																4
0850	10	3	AC	130	10	CS	E250	10																7
0951	10	7	AC	E130	3	CS	250	10																9
1050	10	8	AC	E130	2	CS	250	10																10
1150	10	2	AC	130	8	CS	E250	10																9
1251	10	8	CU	M30	2	AC	130	10																10
1350	10	2	CU	40	2	AC	85	4	[illegible]	AC	E170	10												10

1450	10	4	CU	37	6	CS	E250	10												9
1550	7	2	CU	37	5	AC	E150	7												6
1650	9	2	H	0	1	CU	30	3	5	AC	E150	0	1	CS	250	9				8
1750	10	2	H	0	5	AC	H110	7	3	CS	250	10								8
1850	10	2	H	0	8	CS	E250	10												6
1950	10	2	H	0	10	CS	E250	10												7
2050	10	2	F	0	10	CS	E250	10												8
2150	10	2	F	0	10	CS	E250	10												8
2250	10	2	F	0	10	CS	E250	10												8
2350	10	2	F	0	8	CS	E250	10												8

Synoptic Observations

Time (LST)	No.	Precip. (ins.)	Snow Fall (ins.)	Snow Depth (ins.)	Max. Temp (F)	Min. Temp (F)	State of Grnd.	Soil Temp (F)	[Station Pressure] [Computations] Barograph	Corr.
-42-	-43-	- 44 -	- 45 -	- 46 -	- 47 -	- 48 -	- 50 -	- 56 -	- 64 -	-65 -
Mid to										
0549		0.00	0.0		65	63				
0849	1	0.00	0.0	0	68	63			29.325	+0.005
0649	2	0.00	0.0	0	64	60			29.320	+0.005
1249	3	0.00	0.0	0	81	63			29.310	0.000
1847	4	0.00	0.0	0	79	73			29.295	0.000
Mid.		0.00	0.0	0	73	65				

Summary of Day (Midnight to midnight)

[TEMPS] Max (F) -66-	Min (F) -67-	24-hr Precip (ins.) -68-	24-hr Snow Unaltd (ins.) -69-	Snow Depth (ins.) -70-	[Peak Wind] Spd (kts.) -71	Dir. 72	Time (LST) 73-	[Sky Cover] SR-SS -78-	Mid-Mid -79-	Water Equiv. (ins.) -80-	Sun-Rise	Sun-Set	Total Sun	% Psbl	[Fastest Wind] Spd (mph)	Dir.	Time (LST)
81	60	0.00	0.0	0	12	S	1335	10	10		0605	1842	338	45	9	16	1950

Weather & Obstruction to Vision

Type -82-	began -83-	end -84-
F	0635	1540
H	1540	2145
F	1945	CONT

98. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLOUDY Character of Sunset: CLOUDY

Time Check: 0830/0630/1142/1530

LAKE TEMP 75 DEGREES//PK WND - LAST OCCURRENCE//

MF1-10A

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 13, 1990 To convert LST to UTC: 5

Type Time Sky&Ceiling Vsby&Wx&Obsns Slp/Temp/Dp/Wnd/Asi/ Remarks&SupplementalCodedData

SA 0050 -X 250 -OVC 4F 222/63/63/1904/020/F1/ 003 1007 81 (GES 05:54Z)

72524 31956 01904 10172 20172 39932 40222 50003 71022 80007 333 10272 20156 70000 555 91306= (GES05:56Z)

SA 0151 -X 250 -SCT 3F 219/64/64/0000/019/F2 (GES 06:52Z)
SP 0243 -X 250 SCT 2F 0000/019/F3 (GES 07:45Z)
SA 0251 -X 250 SCT 2F 219/64/64/2103/019/F3/ 98338 (GES 07:53Z)
SP 0306 -X M2 BKN 11/4F 1904/019/F4 (GES 08:08Z)
SP 0314 W1 X 1/4F 1906/019 (GES 08:16Z)
SA 0350 W1 X 1/9F 218/65/65/2005/019/ 603 (GES 08:50Z)
SA 0450 W1 X 1/16F 219/65/65/2004/019 (GES 09:51Z)
SA 0550 W1 X 1/16F 221/65/65/0000/019 (GES 10:51Z)
SA 0650 W1 X 1/16F 223/65/65/1804/020/ 303 63 (GES 11:51Z)

72524 31/01 91804 10183 20183 39932 40223 53003 74541 333 10272 20172 555 91312= (GES11:53Z)

SP 0737 W1 X 1/8F 2004/020/TWR VSBY 1/4 (HJW 12:38Z)
SP 0741 -X 3/16F 2204/020/F9 TWR VSBY 1/4 (HJW 12:42Z)
SP 0747 -X 1/4F 1904/020/F9 (HJW 12:47Z)
SA 0752 -X 1/4F 223/66/66/2105/020/F9 (HJW 12:53Z)
SP 0822 -X 1/2F 1904/020/F9 (HJW 13:23Z)
SP 0833 -X M2 BKN 3/4F 1904/020/F3 (HJW 13:34Z)
SP 0842 M2 BKN 1F 2204/021 (HJW 13:42Z)
RS 0850 -X M2 BKN 11/2F 226/68/68/2203/021/F2 (HJW 13:50Z)
SP 0931 5 SCT 3F 0000/020 (HJW 14:34Z)
SA 0952 10 SCT 5F 222/74/68/2903/020/ 000 1600 (HJW 14:53Z)
SA 1050 25 SCT 5H 216/78/68/1404/018 (HJW 15:50Z)
SA 1150 30 SCT 4H 211/79/68/1909/017 (HJW 16:50Z)
SA 1252 30 SCT 4H 209/79/68/1508/016/ 814 1100 63 (HJW 17:54Z)

72524 31556 31500 10261 20200 39919 40208 58014 70541 83100 333 10267 20172 555 44024 91318= (HJW18:03Z)

SA 1352 33 SCT 4H 201/79/67/1907/014 (HJW 18:52Z)
SA 1450 40 SCT 4H 194/78/67/2107/012 (HJW 19:50Z)
SA 1550 -X 33 SCT 4H 189/77/67/2008/010/H1/ 719 1200 (LH 20:50Z)
SA 1653 -X 37 SCT 4H 184/78/67/1707/009/H1 (LH 21:50Z)
SA 1750 -X 37 SCT 4H 180/76/67/2106/008/H1 (LH 22:50Z)
SA 1850 -X 250 SCT 4H 179/73/67/2004/007/H1/ 710 1001 00 (LH 23:50Z)

72524 31956 12004 10228 20194 39890 40179 57010 70500 80001 333 10267 20172 555 91400= (LH23:51Z)

SA 1950 -X 3FH 179/71/66/1904/007/FH2 (LH 00:50Z)
SA 2050 -X 3FH 179/70/67/1705/007/FH2 (LH 01:51Z)
SA 2150 -X 3F 176/70/66/1807/007/F2/ 002 (LH 02:51Z)
SA 2250 -X 3F 172/69/66/1906/005/F2 (LH 03:50Z)
SA 2350 -X 3F 167/68/66/1906/004/F2 (EES 04:50Z)

MF1-10B

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 13, 1990 To convert LST to UTC:

Time -16-	Station Pressure -17-	Dry Bulb -18-	Wet Bulb -19-	[pressure] tend-ency -37-	net chg -38-	Preci-pitation -40-
0050	29.320			0	003	
0151	29.320					
0251	29.320					
0350	29.320			6	003	
0450	29.320					
0550	29.325					
0650	29.330			3	003	
0752	29.330					
0850	29.340					
0952	29.330			0	000	
1050	29.315					
1150	29.300					
1252	29.290			0	014	
1352	29.270					
1450	29.250					
1550	29.235			7	019	
1650	29.220					
1750	29.210					
1850	29.205			7	010	
1950	29.205					
2050	29.205					
2150	29.200			0	002	
2250	29.190					
2350	29.175					

[CLOUD LAYERS AND OBSCURING PHENOMENA]

Time -16-	Tot. Sky -21-	[FIRST] Amt -22-	Type -23-	Hgt -24-	[SECOND] Amt -25-	Type -26-	Hgt -27-	1st. Sum -29-	[THIRD] Amt -29-	Type -30-	Hgt -31-	2nd. Sum -32-	[FOURTH] Amt -33-	Type -34-	Hgt -35-	3rd. Sum	[FIFTH] Amt	Type	Hgt	4th Sum	[SIXTH] Amt	Type	Hgt	Tot. Opq. -36-
0050	10	1	F	0	9	CS	250	10																4
0151	5	2	F	0	3	CS	250	5																2
0251	5	3	F	0	2	CS	250	5																3
0350	10	10	F	X1																				10
0450	10	10	F	X1																				10
0550	10	10	F	X1																				10
0650	10	10	F	X1																				10
0752	9	9	F	0																				9
0850	8	2	F	0	6	ST	X2	8																8
0952	4	4	ST	10																				4
1050	3	3	CU	25																				3
1150	3	3	CU	30																				3
1252	4	4	CU	30																				4
1352	5	5	CU	33																				5
1450	5	5	CU	40																				5
1550	5	1	H	0	4	CU	33	5																5
1650	3	1	H	0	2	CU	37	3																3

1950	2	2	F	0	2
2050	2	2	F	0	2
2150	2	2	F	0	2
2250	2	2	F	0	2
2350	2	2	F	0	2

Synoptic Observations

Time (LST) -42-	No. -43-	Precip. (ins.) - 44 -	Snow Fall (ins.) - 45 -	Snow Depth (ins.) - 46 -	Max. Temp (F) - 47 -	Min. Temp (F) - 48 -	State of Grnd. - 50 -	Soil Temp (F) - 56 -	[Station Pressure] [Computations] Barograph - 64 -	Corr. -65 -
Mid to										
0049		0.00	0.0		66	63				
0049	1	0.00	0.0	0	66	63			29.325	+0.005
0649	2	0.00	0.0	0	65	63			29.325	+0.005
1250	3	0.00	0.0	0	80	63			29.295	+0.005
1847	4	0.00	0.0	0	80	73			29.200	+0.005
Mid.		0.00	0.0	0	73	67				

Summary of Day (Midnight to midnight)

[TEMPS] Max (F) -66-	Min (F) -67-	24-hr Precip (ins.) -68-	24-hr Snow Unaltd (ins.) -69-	Snow Depth (ins.) -70-	[Peak Wind] Spd (kts.) -71	Dir. 72	Time (LST) 73-	[Sky Cover] SR-SS -78-	Mid-Mid -79-	Water Equiv. (ins.) -80-	Sun-Rise	Sun-Set	Total Sun	% Psbl	[Fastest Wind] Spd (mph)	Dir.	Time (LST)
80	63	0.00	0.0	0	14	S	1623	5	5		0626	1840	443	59	18	19	1150

Weather & Obstruction to Vision

Type -82-	began -83-	end -84-
F+	CONT	B[1945] 1005
H	1005	2054
F	1940	CONT

90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: FOGGY Character of Sunset: HAZY

Time Check: 0030/0640/1554/

LAKE TEMP 75 DEGREES//PK WND - LAST OCCURRENCE//

MF1-10A

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Station: WSFO, CLEVELAND, OH

Surface Weather Observations Date: SEP 14, 1990 To convert LST to UTC: 5

Type Time Sky&Ceiling Vsby&Wx&Obsas Slp/Temp/Dp/Wnd/Rsi/ Remarks&SupplementalCodedData

SA 0851 -I 3F 158/69/67/1900/001/F2/ 717 00 (EES 05:54Z)

72524 31940 01908 10206 20194 39871 40159 57017 71000 333 10267 20172 70000 555 91406= (EES05:55Z)

SA 0150 -I 3F 155/68/67/2007/000/F2 (EES 06:50Z)
SA 0250 -I 3F 156/68/67/2007/999/F2/ 98443 (EES 07:51Z)
SA 0351 -I 3F 143/67/66/1906/997/F2/ 715 (EES 08:52Z)
SA 0450 -I 3F 140/67/66/2100/996/F3 (EES 09:50Z)
SA 0550 -I 05 SCT M100 OVC 3F 136/68/67/2010/995/F3 (EES 10:51Z)
SP 0620 -I M6 BKN 95 OVC 2F 2010/994/F2 (EES 11:10Z)
SA 0651 -I M6 OVC 2RMF 131/69/68/2011/993/F4 RB39/ 71200 17// 67 (EES 11:53Z)

72524 11332 02011 10206 20200 39844 40131 57012 69901 78111 887// 333 10267 20194 90910 555 91412= (EES11:54Z)

SP 0723 -I M7 OVC 2F 2009/991/F4 (HJW 12:24Z)
SP 0739 -I M9 BKN 42 OVC 2F 1913/991/F2 (HJW 12:40Z)
SA 0751 -I M9 BKN 42 OVC 2F 123/70/69/2011/991/F2 RE01 (HJW 12:52Z)
RS 0850 -I M12 OVC 2F 118/71/69/2013/989/F2 (HJW 13:51Z)
SP 0923 12 SCT M30 BKN 100 BKN 2F 2013/987 (HJW 14:25Z)
SA 0950 12 SCT 30 SCT E130 OVC 2F 100/73/69/2013620/984/THN SPTS IOVC/ 83013 157/ (HJW 14:53Z)
SP 1012 20 SCT E130 BKN 3H 2015623/983 (HJW 15:13Z)
SA 1053 20 SCT E150 BKN 24 086/75/69/2020627/980 (HJW 15:55Z)
SP 1110 M20 BKN 130 OVC 3H 2019625/979 (HJW 16:11Z)
SA 1154 M20 OVC 3H 060/77/69/2019/975/B1NOVC (HJW 16:56Z)
RS 1251 26 SCT M46 BKN 250 BKN 3H 063/77/69/2017629/973/ 83613 1000 67 (HJW 17:52Z)

72524 11548 72017 10250 20206 39778 40063 58036 60051 70582 86000 333 10250 20194 70033 90960 555 44024 91410= (HJW17:56Z)

SA 1350 25 SCT 46 SCT 250 -BKN 4H 051/77/69/2117625/970 (HJW 18:51Z)
SA 1451 M30 BKN 42 OVC 3H 033/77/69/2013/965/RB30E43 (HJW 19:52Z)
SA 1550 31 SCT M40 BKN 75 OVC 4H 022/75/68/1916/961/DRX W-W/ 74102 157/ (LH 20:50Z)
SP 1614 17 SCT M30 OVC 1/2TRW-H 2425632/970/TB12 OVHD MOVG E OCNL LTGICCCCG PK WND 2436/10 (LH 21:15Z)
SP 1624 E17 OVC 1/2TRW+FH 2312/965/T OVHD MOVG E FQT LTGICCCCG (LH 21:25Z)
SP 1630 17 SCT E30 OVC 11/2TRWF 2216/966/T E MOVG E OCNL LTGICCCCG (LH 21:31Z)
SA 1651 17 SCT 23 SCT E75 OVC 3TRW-F 030/63/61/2212/963/RB00 TB12 E MOVG E OCNL LTGICCCCG PK WND 2436/10 PCPN 57 (LH 21:51Z)
RS COR 1651 17 SCT 23 SCT E75 OVC 3TRW-F 030/63/61/2212/963/RB00 TB12 E MOVG E OCNL LTGICCCCG PK WND 2436/10 PCPN 57 (LH 21:56Z)
SP 1726 10 SCT 30 SCT E50 BKN 90 OVC 10 2100/962/TE24 MOVD E CBMAM OVHD MOVD NE (LH 22:20Z)
SA 1750 M30 OVC 10 020/63/62/2009/963/FEW CUFRA TE24 MOVD E RE10 (LH 22:50Z)
SP 1756 M25 OVC 10 2100/963 (LH 22:56Z)
SA 1850 10 SCT M25 BKN 40 OVC 10 032/64/62/2406/964/B1NOVC/ 00063 15// 77 (LH 23:51Z)

72524 11466 72406 10170 20167 39746 40032 50000 60161 70290 87500 333 10250 20167 70193 90921 555 91500= (LH23:52Z)

SP 1926 30 SCT M60 BKN 10 2000/965 (LH 00:27Z)
SA 1950 30 SCT 80 SCT 10 030/65/63/2707/966/RB14E20 (LH 00:50Z)
SA 2050 25 SCT M55 BKN 20 045/65/62/2808/967 (LH 01:50Z)
SA 2150 29 SCT M45 BKN 70 OVC 15RW- 052/65/61/2807/969/B1NOVC RB40/ 22000 157/ (LH 02:50Z)
SA 2250 20 SCT M40 BKN 80 OVC 20 057/63/61/2307/971/B1NOVC RE0251 (LH 03:50Z)
SP 2312 M5 OVC 11/2RWF 2608/972 (EES 04:13Z)
SP 2329 5 SCT M23 OVC 20 2606/972 (EES 04:31Z)
SA 2350 5 SCT M24 OVC 20 060/63/61/2606/972/B1NOVC RE0356E22 (EES 04:51Z)

MF1-10B

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Station: WSFO, CLEVELAND, OH
Surface Weather Observations Date: SEP 14, 1990 To convert LST to UTC: 5

Time -16-	Station Pressure -17-	Dry Bulb -18-	Wet Bulb -19-	[pressure] tend-ency -37-	net chg -38-	Preci-pitation -40-
0051	29.150			7	017	
0150	29.140					
0250	29.125					
0351	29.105			7	015	
0450	29.095					
0550	29.085					
0651	29.070			7	012	0.13
0751	29.045					T
0850	29.030					
0950	28.980			8	030	
1053	28.940					
1154	28.890					
1251	28.875			8	036	
1350	28.840					
1451	28.790					0.02
1550	28.755	75.0	70.4	7	041	
1651	28.775	63.0	62.0			0.59
1750	28.770					0.02
1850	28.780			0	008	
1950	28.800					T
2050	28.820					
2150	28.840			2	020	T
2250	28.855					T
2350	28.865					0.10

[CLOUD LAYERS AND OBSCURING PHENOMENA]

Time -16-	[FIRST] Tot. Sky -21-	Amt -22-	Type -23-	Hgt -24-	[SECOND] Amt -25-	Type -26-	Hgt -27-	1st. Sum -28-	[THIRD] Amt -29-	Type -30-	Hgt -31-	2nd. Sum -32-	[FOURTH] Amt -33-	Type -34-	Hgt -35-	3rd. Sum	[FIFTH] Amt	Type	Hgt	4th Sum	[SIXTH] Amt	Type	Hgt	Tot. Opq. -36-
0051	2	2	F	0																				2
0150	2	2	F	0																				2
0250	2	2	F	0																				2
0351	2	2	F	0																				2
0450	3	3	F	0																				3
0550	10	3	F	0	2	AC	85	5	5	AC	M100	10												10
0651	10	4	F	0	6	CUFRA	M6	10																10
0751	10	2	F	0	5	ST	M9	7	3	SC	42	10												10
0850	10	2	F	0	10	ST	M12	10																10
0950	10	1	ST	12	3	SC	30	4	10	AC	E130	10												10
1053	8	5	SC	20	3	AC	E130	8																8
1154	10	10	SC	M20																				10
1251	9	3	CU	26	5	SC	M46	8	2	CS	250	9												8
1350	8	1	CU	25	3	SC	46	4	4	CS	250	8												3
1451	10	6	CU	M30	4	SC	42	10																10

1850	10	4	SC	10	4	SC	M25	8	2	SC	40	10			10
1950	3	1	SC	30	2	AC	80	3							3
2050	9	5	SC	25	4	SC	M55	9							9
2150	10	5	SC	29	4	SC	M45	9	1	AC	70	10			10
2250	10	5	SC	20	4	SC	M40	9	1	AC	80	10			10
2350	10	1	CUFRA	5	9	SC	M24	10							10

Synoptic Observations

Time (LST) -42-	No. -43-	Precip. (ins.) - 44 -	Snow Fall (ins.) - 45 -	Snow Depth (ins.) - 46 -	Max. Temp (F) - 47 -	Min. Temp (F) - 48 -	State of Grnd. - 50 -	Soil Temp (F) - 56 -	[Station Pressure] [Computations] Barograph - 64 -	Corr. -65 -
Mid to										
0850		0.00	0.0		69	68				
0850	1	0.00	0.0	0	73	67			29.145	+0.005
0650	2	T	0.0	0	69	67			29.060	+0.010
1240	3	0.13	0.0	0	77	68			28.880	-0.005
1840	4	0.63	0.0	0	77	62			28.765	+0.015
Mid.		0.10	0.0	0	66	62				

Summary of Day (Midnight to midnight)

[TEMPS] Max (F) -66-	Min (F) -67-	24-hr Precip (ins.) -68-	24-hr Snow Unoltd (ins.) -69-	Snow Depth (ins.) -70-	[Peak Wind] Spd (kts.) -71-	Dir. 72	Time (LST) 73-	[Sky Cover] SR-SS -78-	Mid-Mid -79-	Water Equiv. (ins.) -80-	Sun-Rise	Sun-Set	Total Sun	% Psbl	[Fastest Wind] Spd (mph)	Dir.	Time (LST)
77	62	0.94	0.0	0	36	SW	1610	10	8		0607	1839	217	29	29	24	1614

Weather & Obstruction to Vision

Type -82-	began -83-	end -84-
F	CONT B[1940]	
		1806
RW-	0639	0647
RW	0647	0657
RW-	0657	0701
H	1005	1630
RW-	1430	1443
SW-	1600	1615
T	1612	1724
SW+	1615	1627
F	1616	1723
RW	1627	1648
RW-	1648	1710
SW-	1914	1920
RW-	2140	2151
RW-	2256	2302
RW	2302	2313
F	2307	2326
RW-	2313	2322

90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: FOGGY Character of Sunset: CLOUDY

Time Check: 0159/1555/1933/

LAKE TEMP 75 DEGREES//H083 DTS 1457-1745//

MF1-10A

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 15, 1990 To convert LST to UTC: 5

Type Time Sky&Ceiling Vsby&Wx&Obsns Slp/Temp/Dp/Wnd/Asi/ Remarks&SupplementalCodedData

SP 0040 20 SCT M34 OVC 20 3312/973/BINOVC (EES 05:43Z)
SA 0051 17 SCT M36 OVC 20 064/63/58/3211/973/BINOVC/ 21218 15// 77 (EES 05:55Z)

72524 11480 83211 10172 20144 39778 40064 52012 60051 70288 885// 333 10250 20167 70239 90925 555 91506= (EES05:56Z)

SA COR 0051 17 SCT M36 OVC 20 064/63/58/3211/973/ 21218 15// 77 (EES)

72524 11480 83211 10172 20144 39778 40064 52012 60051 70288 885// 333 10250 20167 70239 90925 555 91506= (COR) (EES)

SA 0150 17 SCT M32 OVC 20 069/62/58/3209/974 (EES 06:51Z)
SP 0233 M14 OVC 20 3211/976 (EES 07:34Z)
SA 0250 M14 OVC 20 073/61/56/3109/976/ 98217 (EES 07:51Z)
SP 0339 14 SCT M28 BKN 20 3111/978 (EES 08:41Z)
SA 0351 14 SCT M26 BKN 20 084/59/53/3109/979/ 219 1500 (EES 08:52Z)
SA 0450 M27 BKN 20 089/59/51/3109/980 (EES 09:51Z)
SA 0550 M24 BKN 20 094/59/51/3209/981 (EES 10:51Z)
SA 0651 M29 OVC 20 098/58/51/3010/982/ 212 15// 58 20094 (EES 11:52Z)

72524 32580 83010 10144 20106 39809 40098 52012 885// 333 10250 20144 70239 555 91512= (EES11:57Z)

SA 0753 M29 OVC 20 103/57/49/2808/984 (HJW 12:53Z)
SA 0850 M22 OVC 20 106/57/50/1207/985 (HJW 13:51Z)
SA COR 0850 M22 OVC 20 106/57/50/3107/985 (HJW 14:20Z)
SA 0952 M20 OVC 20 112/57/50/3007/987/ 214 15// (HJW 14:53Z)
SA 1050 M20 OVC 20 110/57/50/3006/986 (HJW 15:51Z)
SP 1102 M26 OVC 20 3107/986 (HJW 16:03Z)
SA 1150 M25 OVC 20 100/59/49/2907G15/985 (HJW 16:51Z)
SA 1251 M24 OVC 20 110/58/50/2706/986/ 502 15// 56 (HJW 17:53Z)

72524 32580 82706 10144 20100 39821 40110 55002 885// 333 10172 20133 70206 555 44024 91510= (HJW17:54Z)

SA 1350 M24 OVC 20 110/58/49/2506/986/WND 23V31 (HJW 18:53Z)
SA 1450 M24 OVC 20 108/59/50/2506/986 (HJW 19:51Z)
SP 1514 26 SCT M35 OVC 20 2506/986 (LH 20:15Z)
SA 1550 M34 OVC 20 109/59/50/2406/986/ 602 15// (LH 20:50Z)
SA 1650 M33 OVC 20 109/60/51/2506/985/BINOVC SW-W (LH 21:50Z)
SA 1750 26 SCT M35 OVC 20 109/60/52/2804/985/BINOVC (LH 22:50Z)
SP 1820 M26 BKN 35 OVC 20 2603/985 (LH 23:21Z)
SA 1850 M28 BKN 50 OVC 20 107/60/53/2803/985/ 602 15// 60 (LH 23:50Z)

72524 32580 82803 10156 20117 39817 40107 56002 885// 333 10156 20133 70046 555 91600= (LH23:50Z)

SP 1944 20 SCT M50 OVC 20 3604/985 (LH 00:44Z)
SA 1950 20 SCT M50 OVC 20 105/60/52/0104/985 (LH 00:50Z)
SA 2050 M55 OVC 20 104/58/53/0000/984/BINOVC (LH 01:50Z)
SA 2150 M60 BKN 20 101/56/53/2104/983/ 707 1500 (LH 02:50Z)
SA 2250 60 SCT 20 097/55/53/1704/982 (LH 03:51Z)
SA 2350 60 SCT 20 094/53/52/2004/981 (EES 04:51Z)

MF1-10B

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Station: WSFO, CLEVELAND, OH
Surface Weather Observations Date: SEP 15, 1990 To convert LST to UTC: 5

Time -16-	Station Pressure -17-	Dry Bulb -18-	Wet Bulb -19-	(pressure) tend-ency -37-	net chg -38-	Preci-pitation -40-
0051	28.875			2	012	
0150	28.890					
0250	28.900					
0351	28.930			2	019	
0450	28.940					
0550	28.955					
0651	28.965			2	012	
0753	28.980					
0850	28.990					
0952	29.005			2	014	
1050	29.000					
1150	28.995					
1251	29.000			5	002	
1350	29.000					
1450	28.995					
1550	28.995			6	002	
1650	28.995					
1750	28.995					
1850	28.990			6	002	
1950	28.985					
2050	28.980				-	
2150	28.970			7	007	
2250	28.960					
2350	28.950					

[CLOUD LAYERS AND OBSCURING PHENOMENA]

Time -16-	Tot. Sky -21-	[FIRST] Amt -22-	Type -23-	Hgt -24-	[SECOND] Amt -25-	Type -26-	Hgt -27-	1st. Sum -28-	[THIRD] Amt -29-	Type -30-	Hgt -31-	2nd. Sum -32-	[FOURTH] Amt -33-	Type -34-	Hgt -35-	3rd. Sum	[FIFTH] Amt	Type	Hgt	4th Sum	[SIXTH] Amt	Type	Hgt	Tot. Opq. -36-
0051	10	1	SC	17	9	SC	M36	10																10
0150	10	3	SC	17	7	SC	M32	10																10
0250	10	10	SC	M14																				10
0351	8	2	SC	14	6	SC	M26	8																8
0450	9	9	SC	M27																				9
0550	9	9	SC	M24																				9
0651	10	10	SC	M29																				10
0753	10	10	SC	M29																				10
0850	10	10	SC	M22																				10
0952	10	10	SC	M20																				10
1050	10	10	SC	M20																				10
1150	10	10	SC	M25																				10
1251	10	10	SC	M24																				10
1350	10	10	SC	M24																				10
1450	10	10	SC	M24																				10
1550	10	10	SC	M34																				10

1750	10	5	SC	26	5	SC	M55	10	10
1850	10	9	SC	M28	1	SC	50	10	10
1950	10	3	SC	28	7	SC	M50	10	10
2050	10	10	SC	M55					10
2150	7	7	SC	M60					7
2250	3	3	SC	60					3
2350	3	3	SC	60					3

Synoptic Observations

Time (LST) -42-	No. -43-	Precip. (ins.) - 44 -	Snow Fall (ins.) - 45 -	Snow Depth (ins.) - 46 -	Max. Temp (F) - 47 -	Min. Temp (F) - 48 -	State of Grnd. - 50 -	Soil Temp (F) - 56 -	[Station Pressure] [Computations] Barograph - 64 -	Corr. -65 -
Mid to 0050		0.00	0.0		64	63				
0050	1	0.18	0.0	0	66	62			28.865	+0.010
0650	2	0.00	0.0	0	63	58			28.955	+0.010
1249	3	0.00	0.0	0	59	56			28.995	+0.005
1846	4	0.00	0.0	0	60	58			28.985	+0.005
Mid.		0.00	0.0	0	60	52				

Summary of Day (Midnight to midnight)

[TEMPS] Max (F) -66-	Min (F) -67-	24-hr Precip (ins.) -68-	24-hr Snow Unmltd (ins.) -69-	Snow Depth (ins.) -70-	[Peak Wind] Spd (kts.) -71	Dir. 72	Time (LST) 73-	[Sky Cover] SR-SS -78-	Mid-Mid -79-	Water Equiv. (ins.) -80-	Sun-Rise	Sun-Set	Total Sun	% Psbl	[Fastest Wind] Spd (mph)	Dir.	Time (LST)
64	52	0.00	0.0	0	22	NW	0024	10	9		0608	1837	1	0	14	33	0040

Weather & Obstruction to Vision

Type -82-	began -83-	end -84-

<<<< None Logged >>>>

90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLOUDY Character of Sunset: CLOUDY

Time Check: 0207/0939/1545/

LAKE TEMP 75 DEGREES//

MF1-10A

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Station: WSFO, CLEVELAND, OH
Surface Weather Observations Date: SEP 16, 1990 To convert LST to UTC:

Type Time Sky&Ceiling Vsby&Wx&Obsas Slp/Temp/Dp/Wind/Asi/ Remarks&SupplementalCodedData

SA 0051 42 SCT E130 OVC 20 084/54/53/1707/978/ 717 155/ 63 (EES 05:53Z)

72524 32620 01707 10122 20117 39793 40084 57017 8255/ 333 10172 20111 70000 555 91686= (EES05:55Z)

SA 0150 40 SCT M75 OVC 20 082/55/53/1504/977 (EES 06:50Z)
SA 0250 60 SCT M75 BKN 20 073/55/52/1006/975/ 98001 (EES 07:52Z)
SA 0351 M75 OVC 15 069/55/53/1906/973/ 814 107/ (EES 08:52Z)
SA 0450 M80 BKN 95 OVC 15 066/55/53/2006/973 (EES 09:50Z)
SA 0550 M40 OVC 70W- 069/56/54/2406/974/RB33 (EES 10:50Z)
SP 0612 M10 OVC 50W-F 2905/975/C16 RGD (EES 11:14Z)
SP 0635 M10 BKN 60 OVC 21/20W-F 2305/975/C16 RGD (EES 11:36Z)
SA 0651 M13 BKN 70 OVC 21/30W-F 076/56/55/2406/975/C16 RGD/ 20704 177/ 52 20004 (EES 11:55Z)

72524 11440 02406 10133 20120 39787 40076 52007 60011 70002 8677/ 333 10170 20111 70010 90921 555 91612= (EES11:55Z)

SP 0700 13 SCT M70 OVC 40W-F 2207/975 (HJW 12:01Z)
SA 0750 20 SCT M70 BKN 250 BKN 10 073/55/54/2305/975/RE20 (HJW 12:52Z)
SA 0850 30 SCT M95 BKN 250 BKN 20 072/58/53/2405/975/TCU W-W (HJW 13:51Z)
SP 0944 M14 BKN 26 OVC 1TRW 2000616/977/TB43 OVHD MOVG SE OCNL LTGIC (HJW 14:45Z)
RS 0953 M14 BKN 33 OVC 3TRW 082/56/54/3410616/977/TB43 OVHD MOVG SE OCNL LTGIC WSHFT 50/ 30524 13// (HJW 14:56Z)
SP 1011 M13 BKN 40 OVC 10 0311617/978/TE10 MOVD SE (HJW 15:12Z)
SA 1053 M13 BKN 40 OVC 100W- 091/56/53/3315/980/TE10 MOVD SE RE06B30 (HJW 15:54Z)
SP 1139 M20 BKN 46 OVC 100W- 0110620/981 (HJW 16:41Z)
SA 1152 M20 BKN 46 OVC 70W- 096/57/53/0311610/982 (HJW 16:53Z)
SP 1237 M22 BKN 46 OVC 20W-F 0509/983 (HJW 17:38Z)
SP 1240 M22 BKN 46 OVC 30W-F 0209615/983 (HJW 17:42Z)
SA 1251 M23 BKN 46 OVC 30W-F 105/56/53/0207/984/ 22235 15// 52 (HJW 17:53Z)

72524 11540 00207 10133 20117 39814 40105 52022 60091 70098 885// 333 10161 20111 70099 90976 555 44024 91610= (HJW17:56Z)

SP 1344 M30 BKN 43 OVC 70W- 0110610/986/PCPN VRY LGT (HJW 18:45Z)
SA 1350 M30 BKN 43 OVC 100W- 110/56/52/3610/986 (HJW 18:51Z)
SP 1411 M22 BKN 30 OVC 100W- 3509/987 (HJW 19:12Z)
SP 1430 22 SCT M33 BKN 46 OVC 20 0111/987/B1NOVC (HJW 19:39Z)
SA 1452 22 SCT M30 BKN 46 OVC 20 110/57/48/0312619/988/B1NOVC RE30 (HJW 19:53Z)
SA 1550 M30 BKN 40 OVC 20 129/57/46/3511/991/ 22417 15// (GES 20:54Z)
SA 1650 30 SCT M49 BKN 20 141/58/42/0313/995 (GES 21:52Z)
SA 1750 44 SCT M60 BKN 20 146/58/43/0300/996 (GES 22:54Z)
SA 1850 45 SCT M60 BKN 20 155/56/44/3409/999/ 22517 1500 61 (GES 23:52Z)

72524 11600 53409 10133 20067 39863 40155 52025 60041 70102 85500 333 10161 20122 70142 90941 555 91700= (GES23:57Z)

SA 1952 30 SCT 20 167/56/43/3512619/002 (GES 00:53Z)
SA 2050 37 SCT 40 SCT 20 176/55/42/3510/005 (GES 01:51Z)
SA 2152 M42 BKN 20 185/54/41/3611/007/ 229 1500 (GES 02:53Z)
SA 2250 37 SCT 20 193/54/40/3609/009 (GES 03:51Z)
SA 2350 M37 BKN 20 194/53/41/3508/010 (EES 04:51Z)

MF1-10B

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Station: WSFO, CLEVELAND, OH
Surface Weather Observations Date: SEP 16, 1990 To convert LST to UTC: 5

Time -16-	Station Pressure -17-	Dry Bulb -18-	Wet Bulb -19-	[pressure] tend-ency -37-	net chg -38-	Preci-pitation -40-
0051	28.920			7	017	
0150	28.915					
0250	28.890					
0351	28.880			8	014	
0450	28.870					
0550	28.880					T
0651	28.900			2	007	0.04
0750	28.890					0.02
0850	28.890					
0953	28.915			3	005	0.22
1053	28.940					0.02
1152	28.955					0.02
1251	28.980			2	022	0.07
1350	28.995					0.17
1452	29.020					T
1550	29.050			2	024	
1650	29.085					
1750	29.100					
1850	29.125			2	025	
1952	29.160					
2050	29.185					
2152	29.210			2	029	
2250	29.225					
2350	29.235					

[CLOUD LAYERS AND OBSCURING PHENOMENA]

	[FIRST]				[SECOND]				[THIRD]				[FOURTH]				[FIFTH]				[SIXTH]			
Time -16-	Tot. Sky -21-	Amt -22-	Type -23-	Hgt -24-	Amt -25-	Type -26-	Hgt -27-	1st. Sum -28-	Amt -29-	Type -30-	Hgt -31-	2nd. Sum -32-	Amt -33-	Type -34-	Hgt -35-	3rd. Sum	Amt	Type	Hgt	4th Sum	Amt	Type	Hgt	Tot. Opq. -36-
0051	10	2	SC	42	10	AC	E130	10																10
0150	10	3	SC	48	7	AC	M75	10																10
0250	6	1	SC	60	5	AC	M75	6																6
0351	10	10	AC	M75																				10
0450	10	8	AC	M86	2	AC	95	10																10
0550	10	10	SC	M40																				10
0651	10	7	CUFRA	M13	3	AC	70	10																10
0750	9	4	SC	20	4	AC	M70	8	1	CS	250	9												8
0850	8	3	CU	30	4	AC	M95	7	1	CS	250	8												7
0953	10	6	SC	M14	4	CB	33	10																10
1053	10	7	SC	M13	3	SC	40	10																10
1152	10	7	SC	M20	3	SC	46	10																10
1251	10	7	SC	M23	3	SC	46	10																10
1350	10	6	SC	M30	4	SC	43	10																10
1452	10	2	SC	22	4	SC	M30	6	4	SC	46	10												10
1550	10	6	SC	M30	4	SC	48	10																10
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	M10	7																7

1850	6	2	SC	45	4	SC	M60	6		6
1952	5	5	SC	38						5
2050	4	2	SC	37	2	SC	48	4		4
2152	6	6	SC	M42						6
2250	4	4	SC	37						4
2350	6	6	SC	M37						6

Synoptic Observations

Time (LST) -42-	No. -43-	Precip. (ins.) - 44 -	Snow Fall (ins.) - 45 -	Snow Depth (ins.) - 46 -	Max. Temp (F) - 47 -	Min. Temp (F) - 48 -	State of Grnd. - 50 -	Soil Temp (F) - 56 -	[Station Pressure] [Computations] Barograph - 64 -	Corr. -65 -
Mid to										
0848		0.00	0.0		54	53				
0849	1	0.00	0.0	0	60	52			28.920	0.000
0548	2	0.04	0.0	0	56	54			28.890	+0.010
1248	3	0.35	0.0	0	61	55			28.970	+0.010
1849	4	0.17	0.0	0	59	55			29.120	+0.005
Mid.		0.00	0.0	0	56	53				

Summary of Day (Midnight to midnight)

[TEMPS] Max (F) -66-	Min (F) -67-	24-hr Precip (ins.) -68-	24-hr Snow Unmltd (ins.) -69-	Snow Depth (ins.) -70-	[Peak Wind] Spd (kts.) -71	Dir. 72	Time (LST) 73-	[Sky Cover] SR-SS -78-	Mid-Mid -79-	Water Equiv. (ins.) -80-	Sun-Rise	Sun-Set	Total Sun	% Psbl	[Fastest Wind] Spd (mph)	Dir.	Time (LST)
61	53	0.56	0.0	0	24	N	1115	9	8		0609	1835	106	14	17	3	1953

Weather & Obstructions to Vision

Type -82-	Began -83-	end -84-
RW-	0533	0720
F	0608	0740
SN	0932	1000
T	0943	1018
RW-	1000	1006
RW-	1030	1214
RW	1214	1216
RW-	1216	1300
F	1237	1320
RW	1300	1320
RW-	1320	1430

90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLOUDY Character of Sunset: CLOUDY

Time Check: 0406/1210/1840/

LAKE TEMP 75 DEGREES//

MF1-10A

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 17, 1990 To convert LST to UTC: 5

Type Time Sky&Ceiling Vsby&Wx&Obsns Slp/Temp/Dp/Wnd/Asi/ Remarks&SupplementalCodedData

SA 0051 M37 BKN 20 197/53/40/3609/011/ 212 1500 61 (EES 05:53Z)

72524 32680 53609 10117 20044 39903 40197 52012 85500 333 10161 20117 70142 555 91706= (EES05:54Z)

SA 0150 M40 BKN 20 201/53/40/3607/012 (EES 06:51Z)
SA 0250 M37 BKN 20 204/53/40/3507/013/ 98106 (EES 07:50Z)
SA 0351 M38 BKN 20 209/53/40/3504/015/ 212 1500 (EES 08:51Z)
SA 0450 M40 BKN 20 218/51/39/3505/017 (EES 09:50Z)
SA 0550 M41 BKN 20 227/52/39/3405/020 (EES 10:50Z)
SA 0651 M38 BKN 20 235/54/40/3406/022/ 225 1500 51 20052 (EES 11:54Z)

72524 32680 63406 10122 20044 39941 40235 52025 86500 333 10161 20106 70132 555 91712= (EES11:59Z)

SA 0750 40 SCT M55 BKN 20 244/55/40/3206/025 (GES 12:52Z)
SA 0852 37 SCT 20 253/56/41/3508/028 (GES 13:53Z)
SA 0951 40 SCT 20 258/58/40/0312/029/ 222 1500 (GES 14:52Z)
SA 1051 41 SCT 20 267/58/39/3511618/031 (GES 15:52Z)
SA 1150 43 SCT 20 268/58/38/3412/032 (GES 16:50Z)
SA 1250 44 SCT 20 272/57/36/3411/033/ 214 1500 51 (GES 17:52Z)

72524 32680 33411 10139 20022 39976 40272 52014 83500 333 10156 20106 70043 555 44023 91718= (GES17:53Z)

SA 1352 44 SCT 20 268/59/38/3509/032 (GES 18:53Z)
SA 1452 45 SCT 20 269/57/38/3309/032 (GES 19:54Z)
SA 1550 45 SCT 20 270/59/35/3610/033/ 502 1500 (HJW 20:50Z)
SA 1651 45 SCT 20 272/58/36/3309/033 (HJW 21:52Z)
SA 1752 45 SCT 20 274/56/38/3106/034 (HJW 22:53Z)
SA 1850 45 SCT 20 273/53/38/3505/033/ 002 1500 60 (HJW 23:50Z)

72524 32680 23505 10117 20033 39976 40273 50002 82500 333 10156 20106 555 91800= (HJW23:54Z)

SA 1953 45 SCT 20 280/50/41/2903/035 (HJW 00:54Z)
SA 2050 CLR 20 284/47/42/2203/036/FEW SC N-E (HJW 01:50Z)
SA 2153 40 SCT 20 280/46/43/2303/035/ 007 1500 (HJW 02:53Z)
SA 2250 M40 BKN 20 285/45/43/2105/037 (HJW 03:50Z)
SA 2350 M40 BKN 20 285/45/43/2103/037 (EES 04:51Z)

MF1-10B

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 17, 1990 To convert LST to UTC: 5

Time -16-	Station Pressure -17-	Dry Bulb -18-	Wet Bulb -19-	[pressure] tend-ency -37-	net chg -38-	Preci-pitation -40-
0051	29.245			2	012	
0150	29.255					
0250	29.265					
0351	29.280			2	012	
0450	29.305					
0550	29.330					
0651	29.355			2	025	
0750	29.380					
0852	29.405					
0951	29.420			2	022	
1051	29.445					
1150	29.450					
1250	29.460			2	014	
1352	29.450					
1452	29.450					
1550	29.455			5	002	
1651	29.460					
1752	29.465					
1950	29.460			0	002	
1953	29.480					
2050	29.490					
2153	29.488			0	007	
2250	29.495					
2350	29.495					

[CLOUD LAYERS AND OBSCURING PHENOMENA]

Time -16-	Tot. Sky -21-	[FIRST] Amt -22-	Type -23-	Hgt -24-	[SECOND] Amt -25-	Type -26-	Hgt -27-	1st. Sum -28-	[THIRD] Amt -29-	Type -30-	Hgt -31-	2nd. Sum -32-	[FOURTH] Amt -33-	Type -34-	Hgt -35-	3rd. Sum	[FIFTH] Amt	Type	Hgt	4th Sum	[SIXTH] Amt	Type	Hgt	Tot. Opq. -36-
0051	6	6	SC	M37																				6
0150	6	6	SC	M40																				6
0250	6	6	SC	M37																				6
0351	7	7	SC	M38																				7
0450	7	7	SC	M40																				7
0550	6	6	SC	M41																				6
0651	7	7	SC	M38																				7
0750	6	3	SC	40	3	SC	M55	6																6
0852	5	5	SC	37																				5
0951	4	4	SC	40																				4
1051	5	5	SC	41																				5
1150	4	4	SC	43																				4
1250	4	4	SC	44																				4
1352	4	4	SC	44																				4
1452	3	3	SC	45																				3
1550	3	3	SC	45																				3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]																				3

1850	3	3	SC	45	3
1953	1	1	SC	45	1
2050	0	0	SC	45	0
2153	1	1	SC	40	1
2250	0	0	SC	M40	0
2350	6	6	SC	M40	6

Synoptic Observations

Time (LST) -42-	No. -43-	Precip. (ins.) - 44 -	Snow Fall (ins.) - 45 -	Snow Depth (ins.) - 46 -	Max. Temp (F) - 47 -	Min. Temp (F) - 48 -	State of Grnd. - 50 -	Soil Temp (F) - 56 -	[Station Pressure] [Computations] Barograph - 64 -	Corr. -65 -
Mid to										
0050		0.00	0.0		53	53				
0050	1	0.00	0.0	0	56	53			29.240	+0.005
0650	2	0.00	0.0	0	54	51			29.350	+0.005
1249	3	0.00	0.0	0	60	54			29.450	+0.010
1847	4	0.00	0.0	0	60	53			29.460	0.000
Mid.		0.00	0.0	0	54	45				

Summary of Day (Midnight to midnight)

[TEMPS] Max (F) -66-	Min (F) -67-	24-hr Precip (ins.) -68-	24-hr Snow Unaltd (ins.) -69-	Snow Depth (ins.) -70-	[Peak Wind] Spd (kts.) -71	Dir. 72	Time (LST) 73-	[Sky Cover] SR-SS -78-	Mid-Mid -79-	Water Equiv. (ins.) -80-	Sun-Rise	Sun-Set	Total Sun	% Psbl	[Fastest Wind] Spd (mph)	Dir.	Time (LST)
60	45	0.00	0.0	0	18	N	1047	4	5		0610	1834	522	70	14	34	1150

Weather & Obstruction to Vision

Type -82-	began -83-	end -84-

<<<< None Logged >>>>

90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLOUDY Character of Sunset: CLOUDY

Time Check: 0207/0830/1203/1842

LAKE TEMP 73 DEGREES//HYGROTHERMOMETER CHECK 1145EST H083 D.B. 57.6 D.P. 38.3 SHELTER D.B. 58.0 W.B. 49.0 D.P. 40.0//FASTEST 1-MIN WIND LAST OF SEVERAL OCCURRENCES//

MF1-10A

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 18, 1990 To convert LST to UTC:

Type Time Sky&Ceiling Vsby&Wx&Obsns Slp/Temp/Dp/Wnd/Asi/ Remarks&SupplementalCodedData

SA 0851 40 SCT 20 286/45/42/2203/037/ 305 1500 60 (EES 05:54Z)

72524 32680 32203 10072 20056 39988 40296 53005 83500 333 10156 20067 70000 555 91006= (EES05:56Z)

SA 0150 40 SCT 20 296/43/41/2203/036 (EES 06:51Z)
SA 0250 M36 BKN 20 296/42/41/2204/037/ 98522 (EES 07:52Z)
SA 0351 33 SCT 20 286/42/40/2104/037/ 500 1500 (EES 08:52Z)
SA 0450 CLR 20 286/42/40/0000/037/FEW SC K LYR NE-SE (EES 09:51Z)
SA 0552 220 -OVC 20 290/40/39/1703/037/FEW SC AC (EES 10:52Z)
SA 0651 220 -OVC 20 289/42/40/1704/037/FEW SC/ 102 1507 40 (EES 11:53Z)

72524 32580 01704 10056 20044 39990 40289 51002 61507 333 10156 20044 555 91012= (EES12:21Z)

SA 0751 250 -OVC 20 290/40/43/2105/038/FEW SC (GES 12:53Z)
SA 0850 E250 OVC 20 280/53/45/2205/037/FEW SC (GES 13:52Z)
SA 0951 E250 OVC 15 287/55/45/2205/037/FEW SC/ 000 1507 (GES 14:53Z)
SA 1052 E250 OVC 15 282/59/44/2304/035/FEW SC (GES 15:53Z)
SA 1150 E250 OVC 15 270/59/43/1606/032/FEW SC (GES 16:51Z)
SA 1251 250 -OVC 20 262/61/43/2105/030/ 724 1007 40 (GES 17:54Z)

72524 32980 02106 10161 20061 39966 40262 57024 60007 333 10167 20044 555 44023 91018= (GES17:54Z)

SA 1351 E250 OVC 20 256/61/43/2005/029 (GES 18:52Z)
SA 1450 E250 OVC 20 252/62/44/2208/027 (GES 19:51Z)
SA 1550 E250 OVC 20 245/60/45/2106/025/THW SPTS 10VC/ 717 1007 (LH 20:50Z)
SA 1650 E250 OVC 20 238/60/44/1907/023 (LH 21:50Z)
SA 1750 140 SCT E250 OVC 20 232/58/44/1506/021 (LH 22:50Z)
SA 1850 140 SCT E250 OVC 20 232/56/45/1704/021/ 714 1077 62 (LH 23:50Z)

72524 32900 01704 10133 20072 39936 40232 57014 82077 333 10167 20044 555 91900= (LH23:51Z)

SA 1950 E140 BKN 250 OVC 20 220/55/49/2005/020 (LH 00:50Z)
SA 2050 E130 BKN 250 OVC 20 223/56/48/1906/018 (LH 01:50Z)
SA 2150 M110 OVC 20 216/56/48/1905/017/ 714 107/ (LH 02:50Z)
SA 2250 65 SCT M110 OVC 20 204/55/48/1707/013 (LH 03:50Z)
SA 2350 20 SCT M95 OVC 20 198/55/49/2006/012 (EES 04:51Z)

MF1-10B

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 18, 1990 To convert LST to UTC: 5

Time -16-	Station Pressure -17-	Dry Bulb -18-	Wet Bulb -19-	[pressure] tend-ency -37-	net chg -38-	Preci-pitation -40-
0051	29.495			3	005	
0150	29.490					
0250	29.495					
0351	29.495			5	000	
0450	29.495					
0550	29.500					
0651	29.500			1	002	
0751	29.505					
0850	29.500					
0951	29.500			0	000	
1052	29.485					
1150	29.450					
1251	29.430			7	024	
1351	29.410					
1450	29.400					
1550	29.380			7	017	
1650	29.360					
1750	29.340					
1850	29.340			7	014	
1950	29.330					
2050	29.320					
2150	29.300			7	014	
2250	29.265					
2350	29.250					

[CLOUD LAYERS AND OBSCURING PHENOMENA]

	[FIRST]				[SECOND]				[THIRD]				[FOURTH]				[FIFTH]				[SIXTH]			
Time -16-	Tot. Sky -21-	Amt -22-	Type -23-	Hgt -24-	Amt -25-	Type -26-	Hgt -27-	1st. Sum -28-	Amt -29-	Type -30-	Hgt -31-	2nd. Sum -32-	Amt -33-	Type -34-	Hgt -35-	3rd. Sum	Amt	Type	Hgt	4th Sum	Amt	Type	Hgt	Tot. Dpq. -36-
0051	4	4	SC	40																				4
0150	2	2	SC	40																				2
0250	6	6	SC	M36																				6
0351	3	3	SC	33																				3
0450	0	0	SC	33																				0
0550	10	0	SC	33	0	AC	110	0	10	CS	220	10												2
0651	10	0	SC	30	10	CS	220	10																2
0751	10	0	SC	30	10	CS	250	10																3
0850	10	0	SC	30	10	CS	E250	10																7
0951	10	0	SC	35	10	CS	E250	10																9
1052	10	0	SC	40	10	CS	E250	10																8
1150	10	0	SC	40	10	CS	E250	10																6
1251	10	10	CS	250																				4
1351	10	10	CS	E250																				7
1450	10	10	CS	E250																				7
1550	10	10	CS	E250																				7
1650	10	10	CS	E250																				9

1850	10	3	AC	140	10	CS	E250	10	7
1950	10	7	AC	E140	3	CS	250	10	10
2050	10	9	AC	E130	1	CS	250	10	10
2150	10	10	AC	N110					10
2250	10	2	SC	65	8	AC	N110	10	10
2350	10	3	AC	80	7	AC	N95	10	10

Synoptic Observations

Time (LST) -42-	No. -43-	Precip. (ins.) - 44 -	Snow Fall (ins.) - 45 -	Snow Depth (ins.) - 46 -	Max. Temp (F) - 47 -	Min. Temp (F) - 48 -	State of Grnd. - 50 -	Soil Temp (F) - 56 -	[Station Pressure] [Computations] Barograph - 64 -	Corr. -65 -
Mid to										
0049		0.00	0.0		45	44				
0049	1	0.00	0.0	0	54	44			29.490	+0.005
0549	2	0.00	0.0	0	45	40			29.495	+0.005
1249	3	0.00	0.0	0	62	48			29.430	0.000
1947	4	0.00	0.0	0	62	56			29.335	+0.005
Mid.		0.00	0.0	0	56	55				

Summary of Day (Midnight to midnight)

[TEMPS] Max (F) -66-	Min (F) -67-	24-hr Precip (ins.) -69-	24-hr Snow Unaltd (ins.) -69-	Snow Depth (ins.) -70-	[Peak Wind] Spd (kts.) -71	Dir. 72	Time (LST) 73-	[Sky Cover] SR-SS -78-	Mid-Mid -79-	Water Equiv. (ins.) -80-	Sun-Rise	Sun-Set	Total Sun	% Psbl	[Fastest Wind] Spd (mph)	Dir.	Time (LST)
62	48	0.00	0.0	0	11	S	1407	10	9		0611	1832	539	73	9	22	1450

Weather & Obstruction to Vision

Type -82-	began -83-	end -84-

<<<< None Logged >>>>

90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLEAR Character of Sunset:

Time Check: 0202///

LAKE TEMP 73 0000EEE3//

MF1-10A

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 19, 1990 To convert LST to UTC: 5

Type Time Sky&Ceiling Vsby&Wx&Obsns Slp/Temp/Dp/Wnd/Asi/ Remarks&SupplementalCodedData

SA 0051 55 SCT M65 OVC 20RW- 189/55/50/1506/009/RB33 PCPN VRY LGT/ 72500 157/ 62 (EES 05:54Z)

72524 11780 81506 10128 20100 39897 40189 57025 69901 78022 8257/ 333 10167 20044 79999 90910 555 91906= (EES05:56Z)

SA 0150 M55 OVC 20 186/54/50/1505/008/RE23 (EES 06:51Z)
SA 0250 M55 OVC 7RW- 179/53/50/1404/006/ 98539 (EES 07:51Z)
SA COR 0250 M55 OVC 7RW- 179/53/50/1404/006/RB17/ 98539 (EES 07:54Z)
SA 0351 M41 OVC 8RW- 172/53/50/1909/004/PCPN VRY LGT/ 71705 15// (EES 08:52Z)
RS 0450 M26 OVC 7RW- 162/52/50/1708/001 (EES 09:50Z)
SA 0550 20 SCT M26 OVC 6RW-F 148/52/51/1607/997/PCPN VRY LGT (EES 10:51Z)
RS 0651 12 SCT M34 OVC 8 138/53/51/1611/994/RELB02LE15/ 73409 15// 52 20009 (EES 11:53Z)

72524 11462 81611 10117 20106 39846 40138 57034 60021 72088 885// 333 10167 20111 70023 90956 555 91912= (EES11:56Z)

SP 0740 M9 BKN 28 OVC 7 1613/991 (MAT 12:40Z)
SP 0752 M8 BKN 22 OVC 7 131/54/53/1814/992 (MAT 12:52Z)
SP 0815 8 SCT M24 OVC 21/2RW-F 1511/991 (MAT 13:15Z)
SP 0845 M9 BKN 28 OVC 21/2RW-F 1811/989 (MAT 13:45Z)
SA 0850 M9 OVC 21/2RW-F 124/54/53/1909/989/RB05 (MAT 13:50Z)
SA 0953 M9 BKN 16 OVC 21/2RW-F 122/56/55/2007/989/ 61503 15// (MAT 14:54Z)
SA 1050 M6 BKN 16 OVC 11/2RW-F 117/57/56/2207/987 (MAT 15:49Z)
RS COR 1051 M6 BKN 16 OVC 11/2RW-F 117/57/56/2207/987 (MAT 15:52Z)
SP 1110 M4 BKN 15 OVC 11/2RW-F 2707/987 (MAT 16:12Z)
SP COR 1110 M4 BKN 15 OVC 11/2RW-F 2407/987 (MAT 16:14Z)
SP 1122 4 SCT M13 OVC 11/2RW-F 2308/987 (MAT 16:23Z)
RS 1150 M9 OVC 11/2L-F 113/58/57/2408/987/RELB40 (MAT 16:51Z)
SP 1155 M7 OVC 21/2L-F 2409/987 (MAT 16:55Z)
SA 1250 M7 OVC 21/2F 114/60/58/2709/987/LE35 WND 24V31/ 60707 15// 52 (MAT 17:51Z)

72524 11340 82709 10156 20144 39824 40114 56007 60021 72085 885// 333 10156 20111 70041 90952 555 44023 91918= (MAT17:54Z)

SA 1351 M10 OVC 21/2F 116/60/58/2708/988 (MAT 18:52Z)
SP 1408 M18 OVC 5F 2407/988 (MAT 19:09Z)
SA 1450 M18 OVC 7 122/61/58/2909/989 (MAT 19:52Z)
SA 1550 M15 BKN 24 OVC 9 127/61/57/3007/991/ 212 15// (LH 20:50Z)
SA 1650 M18 BKN 24 OVC 10 134/61/57/3105/993 (LH 21:50Z)
SP 1735 20 SCT M32 OVC 7 3106/994 (LH 22:36Z)
SA 1750 20 SCT M32 BKN 44 OVC 7 137/62/57/3105/994 (LH 22:50Z)
SA 1850 26 SCT M32 OVC 3L-F 143/60/57/3107/995/LB30/ 21500 15// 62 (LH 23:50Z)

72524 11548 83107 10156 20139 39851 40143 52015 69901 75122 885// 333 10167 20111 70041 90910 555 92000= (LH23:51Z)

SA 1950 M34 BKN 48 OVC 10 151/61/57/2904/998/LE04 (LH 00:50Z)
SP 2046 M17 BKN 34 OVC 10L- 3004/999 (LH 01:47Z)
SA 2050 M17 BKN 34 OVC 10L- 156/60/58/3104/999/LB40 (LH 01:50Z)
SA 2150 M20 BKN 55 OVC 9 163/60/57/3605/001/LE03/ 22000 15// (LH 02:50Z)
SA 2250 M17 BKN 31 OVC 10 168/60/56/2705/003 (LH 03:50Z)
SP 2335 17 SCT M55 OVC 10 2905/004 (HJW 04:36Z)
SA 2351 17 SCT M55 OVC 10 172/59/55/2904/004/BINOVC W (HJW 04:52Z)

MF1-10B

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 19, 1990 To convert LST to UTC: 5

Time -16-	Station Pressure -17-	Dry Bulb -18-	Wet Bulb -19-	[pressure] tend-ency -37-	net chg -38-	Preci-pitation -40-
0051	29.225			7	025	T
0150	29.215					T
0250	29.195					0.03
0351	29.175			7	017	0.02
0450	29.145					0.01
0550	29.105					0.02
0651	29.075			7	034	0.01
0752	29.055					
0850	29.035					0.03
0953	29.030			6	015	T
1051	29.015					0.03
1150	29.005					0.01
1250	29.010			6	007	T
1351	29.015					
1450	29.030					
1550	29.045			2	012	
1650	29.065					
1750	29.075					
1850	29.090			2	015	T
1950	29.115					T
2050	29.130					T
2150	29.150			2	020	T
2250	29.165					
2351	29.175					

[CLOUD LAYERS AND OBSCURING PHENOMENA]

Time -16-	Tot. Sky -21-	[FIRST] Amt -22-	Type -23-	Hgt -24-	[SECOND] Amt -25-	Type -26-	Hgt -27-	1st. Sum -28-	[THIRD] Amt -29-	Type -30-	Hgt -31-	2nd. Sum -32-	[FOURTH] Amt -33-	Type -34-	Hgt -35-	3rd. Sum	[FIFTH] Amt	Type	Hgt	4th Sum	[SIXTH] Amt	Type	Hgt	Tot. Opq. -36-
0051	10	3	SC	55	7	AC	M65	10																10
0150	10	10	SC	M55																				10
0250	10	10	SC	M55																				10
0351	10	10	SC	M41																				10
0450	10	10	SC	M26																				10
0550	10	1	SC	20	9	SC	M26	10																10
0651	10	2	STFRA	12	8	SC	M34	10																10
0752	10	8	SC	M8	2	SC	22	10																10
0850	10	10	SC	M9																				10
0953	10	6	SC	M9	4	SC	16	10																10
1051	10	9	SC	M6	1	SC	15	10																10
1150	10	10	SC	M9																				10

1550	10	9	SC	M15	1	SC	24	10									10
1650	10	8	SC	M18	2	SC	24	10									10
1750	10	2	SC	20	5	SC	M32	7	3	SC	44	10					10
1850	10	3	SC	26	7	SC	M32	10									10
950	10	8	SC	M34	2	SC	48	10									10
2050	10	7	SC	M17	3	SC	34	10									10
2150	10	8	SC	M20	2	SC	55	10									10
2250	10	9	SC	M17	1	SC	31	10									10
2351	10	2	SC	17	8	SC	M55	10									10

Synoptic Observations

Time (LST) -42-	No. -43-	Precip. (ins.) - 44 -	Snow Fall (ins.) - 45 -	Snow Depth (ins.) - 46 -	Max. Temp (F) - 47 -	Min. Temp (F) - 48 -	State of Grnd. - 50 -	Soil Temp (F) - 56 -	[Station Pressure] [Computations] Barograph - 64 -	Corr. -65 -
Mid to										
0050		T	0.0		55	54				
0050	1	T	0.0	0	56	54			29.220	+0.005
0650	2	0.09	0.0	0	55	52			29.075	0.000
1249	3	0.07	0.0	0	60	53			29.000	+0.010
1846	4	T	0.0	0	62	60			29.080	+0.010
Mid.		T	0.0	0	61	59				

Summary of Day (Midnight to midnight)

[TEMPS] Max (F) -66-	Min (F) -67-	24-hr Precip (ins.) -68-	24-hr Snow Unmltd (ins.) -69-	Snow Depth (ins.) -70-	[Peak Wind] Spd (kts.) -71	Dir. 72	Time (LST) 73-	[Sky Cover] SR-SS -78-	Mid-Mid -79-	Water Equiv. (ins.) -80-	Sun-Rise	Sun-Set	Total Sun	% Psbl	[Fastest Wind] Spd (mph)	Dir.	Time (LST)
62	52	0.16	0.0	0	17	S	0707	10	10		0612	1830	0	0	16	18	0752

Weather & Obstruction to Vision

Type -82-	began -83-	end -84-
RW-	0033	0123
RW-	0217	0232
RW	0232	0240
RW-	0240	0602
F	0528	0602
L-	0602	0615
RW-	0805	1140
F	0810	1445
L-	1140	1235
L-	1830	1904
F	1835	1940
L-	2040	2103

90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLOUDY Character of Sunset: CLOUDY

Time Check: 0241/1740//

LAKE TEMP 73 DEGREES//

MF1-10A

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 20, 1990 To convert LST to UTC: 5

Type Time Sky&Ceiling Vsby&Wx&Obsns Slp/Temp/Dp/Wnd/Asi/ Remarks&SupplementalCodedData

SA 0053 17 SCT M55 OVC 10 175/59/55/2604/005/ 21200 15// 62 (HJW 05:54Z)

72524 11466 82024 10150 20128 39683 40175 52012 69901 70252 885// 333 10167 20111 70041 90944 555 92006= (HJW05:56Z)

SA 0153 M33 BKN 55 BKN 10 175/59/54/3206/005 (HJW 06:53Z)
SA 0252 30 SCT 10 171/58/52/3405/004/ 90000 (HJW 07:52Z)
SA 0350 M34 BKN 10 172/52/52/2703/004/ 603 1500 (HJW 08:51Z)
SA 0453 M42 BKN 10 179/57/53/2804/006 (HJW 09:54Z)
SA 0551 50 SCT E250 BKN 10 186/51/50/2305/008 (HJW 10:52Z)
SA 0651 50 SCT 100 SCT E250 BKN SF 192/50/50/2205/010/ 219 1571 50 20007 (HJW 11:53Z)

72524 31759 72205 10100 20100 39898 40192 52019 71022 82571 333 10167 20100 70018 555 92012= (HJW11:54Z)

SA 0753 55 SCT E250 BKN SF 190/56/54/2303/012 (MAT 12:54Z)
SA 0853 55 SCT 250 SCT 10 202/63/47/3407/013 (MAT 13:55Z)
SA 0953 38 SCT 250 SCT 10 209/64/47/3609/015/ 219 1501 (MAT 14:54Z)
SA 1050 41 SCT 20 209/65/49/3609/015 (MAT 15:50Z)
SA 1150 44 SCT 20 209/65/46/3107/015/WND 31V14 (MAT 16:52Z)
SA 1250 44 SCT 20 203/67/45/0407/014/ 805 1500 50 (MAT 17:51Z)

72524 32683 20407 10194 20072 39912 40203 50005 82500 333 10194 20100 555 44022 92010= (MAT17:51Z)

SA CDR 1250 44 SCT 20 203/67/45/0407/014/ 805 1500 50 (MAT)
SA 1350 44 SCT 20 202/67/45/0309/013 (MAT 18:51Z)
SA 1450 44 SCT 20 204/67/46/3608/014 (MAT 19:50Z)
SA 1550 44 SCT 20 206/67/45/0206/014/ 202 1500 (LH 20:50Z)
SA 1650 CLR 20 211/65/44/0305/016/FEW SC CI (LH 21:50Z)
SA 1750 CLR 20 214/64/44/3604/016/FEW SC CI (LH 22:50Z)
SA 1850 CLR 20 213/59/45/0404/016/FEW CI/ 105 1001 68 (LH 23:50Z)

72524 32900 10404 10150 20072 39919 40213 51005 60001 333 10200 20100 555 92100= (LH23:51Z)

SA 1950 CLR 20 214/57/47/0000/016 (LH 00:50Z)
SA 2050 250 -SCT 20 212/54/48/1003/016/FEW SC (LH 01:50Z)
SA 2150 250 -SCT 20 212/51/47/2004/016/ 400 1001 (LH 02:50Z)
SA 2250 CLR 20 212/50/47/0200/016 (LH 03:50Z)
SA 2351 CLR 20 216/49/46/2203/017 (HJW 04:52Z)

F1-10B

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Station: WSFO, CLEVELAND, OH
Surface Weather Observations Date: SEP 20, 1990 To convert LST to UTC: 5

Time -16-	Station Pressure -17-	Dry Bulb -18-	Wet Bulb -19-	[pressure] tend-ency -37-	net chg -38-	Preci-pitation -40-
0053	29.185			2	012	
0153	29.185					
0252	29.175					
0350	29.175			6	003	
0453	29.195					
0551	29.215					
0651	29.230			2	019	
0753	29.250					
0853	29.265					
0953	29.285			2	019	
1050	29.285					
1150	29.285					
1250	29.270			8	005	
1350	29.265					
1450	29.270					
1550	29.275			2	002	
1650	29.290					
1750	29.295					
1850	29.290			1	005	
1950	29.295					
2050	29.290					
2150	29.290			4	000	
2250	29.290					
2351	29.300					

[CLOUD LAYERS AND OBSCURING PHENOMENA]

Time -16-	Tot. Sky -21-	[FIRST] Amt -22-	Type -23-	Hgt -24-	[SECOND] Amt -25-	Type -26-	Hgt -27-	1st. Sum -28-	[THIRD] Amt -29-	Type -30-	Hgt -31-	2nd. Sum -32-	[FOURTH] Amt -33-	Type -34-	Hgt -35-	3rd. Sum	[FIFTH] Amt	Type	Hgt	4th Sum	[SIXTH] Amt	Type	Hgt	Tot. Opq. -36-
0053	10	4	SC	17	6	SC	M55	10																10
0153	9	6	SC	M33	3	SC	55	9																9
0252	5	5	SC	30																				5
0350	6	6	SC	M34																				6
0453	6	6	SC	M42																				6
0551	8	4	SC	50	4	CS	E250	8																6
0651	9	3	SC	50	2	AC	100	5	4	CI	E250	9												7
0753	8	1	SC	55	7	CS	E250	8																6
0853	5	1	SC	55	4	CS	250	5																4
0953	4	3	SC	38	1	CI	250	4																4
1050	5	5	SC	41																				5
1150	3	3	SC	44																				3
1250	2	2	SC	44																				2

1650	0	0	SC	45	0	CI	250	0							0
1750	0	0	SC	45	0	CI	250	0							0
1850	0	0	CI	250											0
1950	0														0
2050	2	0	SC	45	2	CI	250	2							0
2150	2	2	CI	250											0
2250	0														0
2351	0														0

Synoptic Observations

Time (LST) -42-	No. -43-	Precip. (ins.) - 44 -	Snow Fall (ins.) - 45 -	Snow Depth (ins.) - 46 -	Max. Temp (F) - 47 -	Min. Temp (F) - 48 -	State of Grnd. - 50 -	Soil Temp (F) - 56 -	[Station Pressure] [Computations] Barograph - 64 -	Corr. -65 -
Mid to										
0849		0.00	0.0		59	50				
0849	1	T	0.0	0	61	50			29.175	+0.010
0548	2	0.00	0.0	0	59	50			29.230	0.000
1249	3	0.00	0.0	0	67	50			29.270	0.000
1547	4	0.00	0.0	0	68	59			29.290	0.000
Mid.		0.00	0.0	0	59	49				

Summary of Day (Midnight to midnight)

[TEMPS] Max (F) -66-	Min (F) -67-	24-hr Precip (ins.) -68-	24-hr Snow Unwltd (ins.) -69-	Snow Depth (ins.) -70-	[Peak Wind] Spd (kts.) -71	Dir. 72	Time (LST) 73-	[Sky Cover] SR-SS -78-	Mid-Mid -79-	Water Equiv. (ins.) -80-	Sun-Rise	Sun-Set	Total Sun	% Psbl	[Fastest Wind] Spd (mph)	Dir.	Time (LST)
68	49	0.00	0.0	0	11	NE	1227	3	4		0613	1828	662	90	10	3	1350

Weather & Obstruction to Vision

Type -82-	began -83-	end -84-
F	0645	2030

90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLOUDY Character of Sunset: CLEAR

Time Check: 0035/0550/1230/1557

LAKE TEMP 72 DEGREES//FASTEST 1 MIN WIND SPEED LAST OF SEVERAL OCCURRENCES//

MF1-10A

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 25, 1990 To convert LST to UTC: 5

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ype Time Sky&Ceiling Vsby&Wx&Obsns Slp/Temp/Dp/Wnd/Asi/ Remarks&SupplementalCodedData

A 0053 CLR 20 147/47/42/2106/996/ 602 62 (HJW 05:54Z)

2524 32900 02106 10003 20056 39054 40147 56002 333 10167 20033 70000 555 92506= (HJW05:55Z)

A 0152 150 SCT 20 147/40/42/2106/996 (HJW 06:53Z)
A 0253 150 SCT 20 143/49/43/2109/995/ 90360 (HJW 07:54Z)
A 0352 150 SCT 20 141/49/43/2107/995/ 605 1030 (HJW 08:53Z)
A 0452 150 SCT 20 140/49/43/2107/994 (HJW 09:52Z)
A 0551 150 SCT 250 -DKN 20 130/49/43/2105/994 (HJW 10:52Z)
A 0650 E250 DKN 20 137/49/43/2109/993/FEW AC/ 705 1071 47 (HJW 11:51Z)

2524 32900 62109 10094 20061 39044 40137 57005 01071 333 10167 20003 555 92512= (HJW11:52Z)

A 0751 250 SCT 10 120/52/44/2114/991 (LH 12:51Z)
A 0850 250 SCT 10 120/57/45/2113/990 (LH 13:50Z)
A 0950 250 -DKN 10 120/61/47/2013/988/ 715 1002 (LH 14:50Z)
A 1050 250 -DKN 10 112/61/47/2210/986 (LH 15:50Z)
A 1150 250 -DKN 15 104/63/40/2121/984 (LH 16:50Z)
A 1250 250 -DKN 15 089/65/49/2122/979/ 730 1002 47 (LH 17:50Z)

2524 32974 72122 10103 20094 39799 40009 57030 00002 333 10103 20003 555 44021 92510= (LH17:51Z)

A 1350 250 -OVC 15 083/67/50/2220/978/AC NW-N (LH 18:50Z)
A 1450 250 -OVC 20 076/60/50/2221/976/AC W-N (LH 19:50Z)
A 1551 100 SCT 250 -DKN 20 069/60/51/1921/974/ 719 1051 (EES 20:53Z)
A 1650 00 SCT 250 -DKN 20 071/67/50/2210/974/ACCAS E-S (EES 21:52Z)
A 1750 50 SCT 100 SCT 250 -OVC 20 073/65/50/2113/975 (EES 22:51Z)
A 1851 55 SCT 100 SCT E250 DKN 20 075/63/50/2111/975/ 305 1570 69 (EES 23:54Z)

2524 32700 72111 10172 20100 39705 40075 53005 02570 333 10206 20003 555 92600= (EES23:55Z)

A 1950 100 SCT E250 OVC 20 076/62/50/2011/976 (EES 00:50Z)
A 2050 M55 DKN 250 OVC 20 077/61/51/2010/976 (EES 01:52Z)
A 2151 M50 DKN 250 OVC 20 075/60/51/2010/976/ 202 1501 (EES 02:52Z)
A 2250 50 SCT 250 -SCT 20 072/59/51/2100/975 (EES 03:51Z)
A 2351 55 SCT 10 066/59/51/2000/973 (MAT 04:52Z)
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MF1-10B

U.S. DEPARTMENT OF COMMERCE, NOA
NATIONAL WEATHER SERVIC

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 25, 1990 To convert LST to UTC:

Time -16-	Station Pressure -17-	Dry Bulb -18-	Wet Bulb -19-	[pressure] tend-ency -37-	net chg -38-	Preci-pitation -40-
0053	29.100			6	002	
0152	29.100					
0253	29.090					
0352	29.005			6	005	
0452	29.000					
0551	29.075					
0650	29.070			7	005	
0751	29.045					
0850	29.045					
0950	29.025			7	015	
1050	29.000					
1150	28.980					
1250	28.935			7	030	
1350	28.920					
1450	28.900					
1551	28.880			7	019	
1650	28.885					
1750	28.890					
1851	28.895			3	005	
1950	28.900					
2050	28.905					
2151	28.900			2	002	
2250	28.890					
2351	28.875					

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U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 25, 1990 To convert LST to UTC: 5

(CLOUD LAYERS AND OBSCURING PHENOMENA)

Tot. Sky -21-	(FIRST) Act -22-	Type -23-	Hgt -24-	(SECOND) Act -25-	Type -26-	Hgt -27-	1st. Sue -28-	(THIRD) Act -29-	Type -30-	Hgt -31-	2nd. Sue -32-	(FOURTH) Act -33-	Type -34-	Hgt -35-	3rd. Sue	(FIFTH) Act	Type	Hgt	4th Sue	(SIXTH) Act	Type	Hgt	Tot. Opq. -36-
0																							0
1	1	AC	150																				1
4	4	AC	150																				4
4	4	AC	150																				4
3	3	AC	150																				3
6	3	AC	150	3	CI	250	6																3
7	0	AC	150	7	CI	E250	7																4
2	2	CI	250																				2
4	4	CI	250																				3
8	0	CI	250																				4
7	7	CI	250																				3
8	0	CI	250																				4
9	9	CI	250																				4
10	0	AC	100	10	CI	250	10																4
10	0	AC	100	10	CI	250	10																5
9	2	AC	100	7	CI	250	9																3
9	1	AC	80	0	CI	250	9																3
10	2	SC	50	1	AC	100	3	10	CB	250	10												5
9	2	SC	55	1	AC	100	3	6	CB	E250	9												7
10	2	AC	100	10	CB	E250	10																8
10	7	SC	N55	3	CB	250	10																9
10	7	SC	N50	3	CI	250	10																9
4	1	SC	50	3	CI	250	4																2
5	5	SC	55																				5

Synoptic Observations

Time (LST) -42-	No. -43-	Precip. (Ins.) -44-	Snow Fall (Ins.) -45-	Snow Depth (Ins.) -46-	Max. Temp (F) -47-	Min. Temp (F) -48-	State of Grnd. -50-	Soil Temp (F) -56-	(Station Pressure) (Computations) Barograph -64-	Corr. -65-
Mid to										
0750		0.00	0.0		69	47				
0850	1	0.00	0.0	0	53	47			29.890	+0.010
0640	2	0.00	0.0	0	50	47			29.865	+0.005
1246	3	0.00	0.0	0	65	49			28.925	+0.010
1840	4	0.00	0.0	0	69	63			28.890	+0.005
Mid.		0.00	0.0	0	63	59				

Summary of Day (Midnight to Midnight)

(TEMPS) Max (F) -66-	Min (F) -67-	24-hr Precip (Ins.) -68-	24-hr Snow Unoltd (Ins.) -69-	Snow Depth (Ins.) -70-	(Peak Wind) Spd (kts.) -71-	Dir.	Time (LST) 72 73-	(Sky Cover) SR-SS -70-	Mid-Mid -79-	Water Equiv. (Ins.) -80-	Sun-Rise	Sun-Set	Total Sun	% Psbl	(Fastest Wind) Spd (mph)	Dir.	Time (LST)
69	47	0.00	0.0	0	31	SW	1534	0	7		0610	1820	521	72	25	21	1250

Weather & Obstruction to Vision

Type -82-	began -83-	end -84-

<<<< None Logged >>>>

90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLOUDY Character of Sunset: CLOUDY

Time Checks: 0830/0753/1922/2348
LAKE TEMP 69 DEGREES//

1-10A

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 26, 1990 To convert LST to UTC: 5

Time Sky&Ceiling Vsby&Wx&Obsns Slp/Temp/Dp/Wnd/Asl/ Remarks&SupplementalCodedData

0050 55 SCT 75 SCT 10 064/59/51/2109/973/ 610 1570 69 (MAT 05:51Z)

24 32766 32109 10150 20106 39777 40064 56010 01570 333 10206 20083 70000 555 92606= (MAT05:52Z)

0150 M55 BKN 80 BKN 10 066/59/52/2209/973 (MAT 06:51Z)
0250 M55 BKN 10 064/58/52/2207/973/ 90521 (MAT 07:50Z)
0350 55 SCT 10 066/56/52/2207/973/ 102 1500 (MAT 08:51Z)
0450 M48 BKN 10 073/57/53/2207/975 (MAT 09:50Z)
0550 60 SCT E110 BKN 250 BKN 8 082/56/53/2507/978 (MAT 10:51Z)
0650 110 SCT 5F 089/56/54/2607/980/ 222 1030 55 (MAT 11:50Z)

24 31950 22607 10133 20122 39800 40089 52022 71011 02030 333 10206 20120 555 92612= (MAT11:51Z)

0750 20 SCT 5F 093/58/55/2406/981 (LH 12:50Z)
0806 M12 BKN 5F 2505/982 (LH 13:07Z)
0850 M12 OVC 5F 101/61/57/2404/983 (LH 13:50Z)
0950 M12 BKN 16 OVC 5F 110/64/58/3207/986/BINOVC/ 220 15// (LH 14:50Z)
1011 M16 BKN 6F 3308/987 (LH 15:11Z)
1053 16 SCT 7 115/67/58/3107/987 (LH 15:53Z)
1150 CLR 10 120/69/55/3209/989/FEW SC (LH 16:50Z)
1250 CLR 10 123/69/56/3109/990/FEW CU/ 214 1100 55 (LH 17:50Z)

24 32566 13109 10206 20133 39834 40123 52014 01100 333 10211 20120 555 44021 92610= (LH18:41Z)

1353 CLR 12 120/70/56/3310/992/FEW CU (LH 18:52Z)
1450 CLR 15 133/70/55/3107/993/FEW CU (LH 19:50Z)
1550 CLR 15 139/70/55/3307/994/FEW CU/ 215 1100 (LH 20:50Z)
1650 CLR 20 144/69/55/3605/996 (EES 21:51Z)
1750 CLR 20 152/66/55/0105/998 (EES 22:50Z)
1851 CLR 15 157/64/56/0000/000/ 217 71 (EES 23:53Z)

24 32974 00000 10170 20133 39866 40157 52017 333 10217 20120 555 92700= (EES23:54Z)

1950 CLR 15 161/58/55/0000/001 (EES 00:50Z)
2050 CLR 15 164/59/56/0000/002 (EES 01:51Z)
2151 CLR 15 172/54/53/2104/004/ 214 (EES 02:51Z)
2250 CLR 10 171/53/53/2105/004 (EES 03:50Z)
2350 CLR 5F 171/53/52/2305/004 (MAT 04:50Z)

MF1-10B

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 26, 1990 To convert LST to UTC: 5

Time -16-	Station Pressure -17-	Dry Bulb -18-	Wet Bulb -19-	(pressure) tend-ency -37-	net chg -38-	Preci-pitation -40-
0050	28.070			6	010	
0150	28.075					
0250	28.070					
0350	28.075			1	002	
0450	28.095					
0550	28.920					
0650	28.940			2	022	
0750	28.950					
0850	28.975					
0950	29.000			2	020	
1053	29.015					
1150	29.030					
1250	29.040			2	014	
1353	29.055					
1450	29.070					
1550	29.085			2	015	
1650	29.100					
1750	29.120					
1851	29.135			2	017	
1950	29.145					
2050	29.155					
2151	29.175			2	014	
2250	29.175					
2350	29.175					

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U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Station: WBFO, CLEVELAND, OH

urface Weather Observations Date: SEP 26, 1990 To convert LST to UTC: 5

(CLOUD LAYERS AND OBSCURING PHENOMENA)

(FIRST)			(SECOND)					(THIRD)					(FOURTH)					(FIFTH)					(SIXTH)			Tot.
						1st.					2nd.				3rd.					4th						
Amt	Type	Hgt	Amt	Type	Hgt	Sun	Amt	Type	Hgt	Sun	Amt	Type	Hgt	Sun	Amt	Type	Hgt	Sun	Amt	Type	Hgt	Dpg.
-22-	-23-	-24-	-25-	-26-	-27-	-28-	-29-	-30-	-31-	-32-	-33-	-34-	-35-									-36-
1	BC	55	3	AC.	75	4																4
7	BC	M55	1	AC	80	8																8
8	BC	M55																				8
2	BC	55																				2
9	BC	M40																				9
3	BC	60	4	AC	E110	7	1	CS	250	8												8
2	AC	110																				2
4	BC	70																				3
10	BC	M12																				10
8	BC	M12	2	BC	16	10																10
4	SC	16																				4
8	BC	20																				8
8	CU	25																				8
8	CU	25																				8
8	CU	30																				8
8	CU	40																				8
																						8
																						8
																						8
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																						8
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																						8
																						8
																						8

Synoptic Observations

Time (LST)	No.	Precip. (Ins.)	Snow Fall (Ins.)	Snow Depth (Ins.)	Max. Temp (F)	Min. Temp (F)	State of Grnd.	Soil Temp (F)	(Station Pressure) (Computations) Barograph	Corr.
-42-	-43-	-44-	-45-	-46-	-47-	-48-	-50-	-56-	-64-	-65-
Mid to										
0849		0.00	0.0		59	50				
0849	1	0.00	0.0	0	63	50			29.860	+0.010
0847	2	0.00	0.0	0	59	55			29.930	+0.010
1244	3	0.00	0.0	0	70	55			29.835	+0.005
1850	4	0.00	0.0	0	71	63			29.120	+0.015
Mid.		0.00	0.0	0	64	53				

Summary of Day (Midnight to midnight)

(TEMPS) Max (F)	Min (F)	24-hr Precip (Ins.)	24-hr Snow Unstld (Ins.)	Snow Depth (Ins.)	(Peak Wind) Spd (Mts.)	Dir.	Time (LST)	(Sky Cover) SK-BS	Mid-Mid	Water Equiv. (Ins.)	Sun-Rise	Sun-Set	Total Sun	% Psbl	(Fastest Wind) Spd (mph)	Dir.	Time (LST)
-66-	-67-	-68-	-69-	-70-	-71-	72	73-	-78-	-79-	-80-							
71	53	0.00	0.0	0	13	NW	1240	3	3		0619	1810	596	83	12	33	1353

Weather & Obstruction to Vision

Type	began	end
-82-	-83-	-84-
F	0630	1040
F	2330	CONT

90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLOUDY Character of Sunset: CLEAR

Time Checks 0040/0640/1922/2330

LAKE TEMP 69//

MF1-10A

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 27, 1990 To convert LST to UTC: 5

Type Time Sky&Ceiling Vsby&Wx&Obsns Slp/Temp/Dp/Wnd/Asl/ Remarks&SupplementalCodedData

SA 0050 CLR 4F 175/52/51/2204/005/ 203 71 (MAT 05:50Z)

72524 31956 02204 10111 20106 39003 40175 52003 71000 333 10217 20111 70000 555 92706= (MAT05:51Z)

SA 0153 CLR 3F 175/51/50/2103/005 (MAT 06:53Z)
SA 0250 CLR 3F 177/49/49/2103/005/SHLW GF ON FLD/ 90596 (MAT 07:51Z)
SA 0350 -X 3F 182/50/49/1903/007/F1/ 207 (MAT 08:50Z)
RS 0450 -X 2F 185/49/48/1803/000/F3 (MAT 09:50Z)
SP 0501 -X 11/2F 1803/000/F3 (MAT 10:01Z)
SP 0503 W5 X 1/4F 1503/000 (MAT 10:03Z)
SP 0500 W5 X 1/16F 1504/000 (MAT 10:00Z)
RS 0550 W0 X 1/16F 109/51/51/1403/009 (MAT 10:50Z)
SP 0640 W1 X 1/16F 1807/011 (MAT 11:40Z)
SA 0650 W1 X 1/16F 198/53/53/1706/012/ 215 40 (MAT 11:53Z)

72524 31/01 91706 10117 20117 39905 40198 52015 74443 333 10217 20009 555 92712= (MAT11:54Z)

SP 0734 W1 X 1/0F 1906/013 (LH 12:35Z)
SA 0750 W1 X 1/0F 204/55/55/1906/013 (LH 12:50Z)
SP 0753 W1 X 1/4F 1806/013 (LH 12:53Z)
SP 0819 -X M3 OVC 3/0F 1806/014/SFC VSBY 3/4 SUN VSBL (LH 13:19Z)
SP 0830 -X M4 BKN 1F 2007/014/F2 (LH 13:31Z)
SP 0843 -X 4 SCT 250 -SCT 1F 2106/014/F1 (LH 13:43Z)
SA 0850 -X 4 SCT 250 -SCT 1F 207/58/58/1906/014/F1 (LH 13:50Z)
SP 0929 250 -SCT 4F 1907/015 (LH 14:29Z)
SA 0950 250 -BKN 6H 200/65/57/2108/015/ 210 1001 (LH 14:50Z)
SA 1050 250 -BKN 7 211/60/56/2107/015 (LH 15:50Z)
SA 1150 250 -SCT 10 206/71/55/2104/014 (LH 16:50Z)
SA 1250 250 -SCT 10 197/73/54/3105/012/ 010 1001 40 (LH 17:50Z)

72524 32966 43105 10220 20122 39905 40197 50010 00001 333 10239 20009 555 44020 92710= (LH17:51Z)

SA 1350 250 -SCT 10 191/75/55/2308/010/FEW CU (LH 18:52Z)
SA 1450 250 -BKN 12 188/76/56/2706/009/FEW CU (LH 19:50Z)
SA 1552 250 -BKN 12 184/76/55/2308/008/FEW CU/ 612 1100 (HJW 20:54Z)
SA 1652 250 -BKN 10 185/75/56/2205/008/FEW CU (HJW 21:53Z)
SA 1752 250 -BKN 10 192/70/59/0305/010/FEW CU (HJW 22:53Z)
SA 1850 250 -BKN 10 192/66/59/0404/010/ 107 1000 76 (HJW 23:50Z)

72524 32966 60404 10109 20150 39900 40192 51007 00000 333 10244 20009 555 92000= (HJW23:50Z)

SA 1954 250 -BKN 10 196/64/58/1704/011 (HJW 00:55Z)
SA 2052 250 -SCT 10 197/62/58/2003/012 (HJW 01:53Z)
SA 2151 250 SCT 10 190/62/57/2005/012/ 107 1002 (HJW 02:52Z)
SA 2250 250 -SCT 10 190/61/56/2105/012 (HJW 03:50Z)
SA 2350 250 -SCT 8 190/58/54/2005/012 (MAT 04:51Z)

MF1-10B

U.S. DEPARTMENT OF COMMERCE,
NATIONAL WEATHER SER

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 27, 1990 To convert LST to UT

Time -16-	Station Pressure -17-	Dry Bulb -18-	Wet Bulb -19-	[pressure] tend-ency -37-	net chg -38-	Preci-pitation -40-
0050	29.185			2	003	
0153	29.185					
0250	29.190					
0350	29.205			2	007	
0450	29.215					
0550	29.225					
0650	29.250			2	015	
0750	29.265					
0850	29.275					
0950	29.280			2	010	
1050	29.290					
1150	29.275					
1250	29.250			0	010	
1350	29.235					
1450	29.225					
1552	29.215			6	012	
1652	29.215					
1752	29.235					
1850	29.235			1	007	
1954	29.245					
2052	29.250					
2151	29.255			1	007	
2250	29.255					
2350	29.255					

MF3-10B

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Stations WBFO, CLEVELAND, OH
Surface Weather Observations Date: SEP 27, 1990 To convert LST to UTC: 5

(CLOUD LAYERS AND OBSCURING PHENOMENA)

	(FIRST)				(SECOND)				(THIRD)				(FOURTH)				(FIFTH)				(SIXTH)				
	Tot.								1st.				2nd.				3rd.				4th				Tot.
Time	Sky	Act	Type	Hgt	Act	Type	Hgt	Sup	Act	Type	Hgt	Sup	Act	Type	Hgt	Sup	Act	Type	Hgt	Sup	Act	Type	Hgt		Opq.
-16-	-21-	-22-	-23-	-24-	-25-	-26-	-27-	-28-	-29-	-30-	-31-	-32-	-33-	-34-	-35-										-36-
0050	0																								0
0153	0																								0
0250	0																								0
0350	1	1	F	8																					1
0450	3	3	F	8																					3
0550	10	10	F	08																					10
0650	10	10	F	01																					10
0750	10	10	F	01																					10
0850	5	1	F	8	8	81	4	1	4	CI	250	5													1
0950	7	7	CI	250																					0
1050	7	7	CI	250																					0
1150	5	5	CI	250																					0
1250	5	5	CI	250																					0
1350	5	0	CU	45	5	CI	250	5																	0
1450	6	0	CU	45	6	CI	250	6																	0
1552	6	0	CU	45	6	CS	250	6																	2
1652	7	0	CU	50	7	CS	250	7																	2
1752	0	0	CU	50	0	CS	250	0																	3
1850	0	0	CS	250																					3
1954	6	6	CS	250																					2
2052	5	5	CS	250																					2
2151	5	5	CS	250																					3
2250	4	4	CS	250																					1
2350	2	2	CI	250																					1

Synoptic Observations

Time (LST) -42-	No. -43-	Precip. (Ins.) -44-	Snow Fall (Ins.) -45-	Snow Depth (Ins.) -46-	Max. Temp (F) -47-	Min. Temp (F) -48-	State of Wind. -50-	Soil Temp (F) -56-	(Station Pressure) (Computations) Barograph -64-	Corr. -65-
Mid to										
0049		0.00	0.0		54	52				
0049	1	0.00	0.0	0	64	52			29.170	+0.015
0149	2	0.00	0.0	0	53	48			29.240	+0.010
1246	3	0.00	0.0	0	75	53			29.255	-0.005
1849	4	0.00	0.0	0	76	66			29.230	+0.005
Mid.		0.00	0.0	0	66	50				

Summary of Day (Midnight to midnight)

(TEMPS) Max (F) -66-	Min (F) -67-	24-hr Precip (Ins.) -68-	24-hr Snow Unofficial (Ins.) -69-	Snow Depth (Ins.) -70-	(Peak Wind) Spd (kts.) -71-	Dir. 72	Time (LST) 73-	(Sky Cover) 8A-8P -78-	Mid-Mid -79-	Water Equiv. (Ins.) -80-	Sun-Rise	Sun-Set	Total Sun	% Poss	(Fastest Wind) Spd (mph)	Dir.	Time (LST)
76	48	0.00	0.0	0	11	S	0936	7	5		0620	1816	593	83	9	23	1552

Weather & Obstructions to Vision

Type -82-	began -83-	end -84-
F+	CONT DI2330)	
		0940
H	0940	1020

90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: FOGGY Character of Sunset: CLEAR

Time Check: 0930/0630/0740/1045

LAKE TEMP 60 DEGREES//FASTEST 1-MIN WIND LAST OF SEVERAL OCCURRENCES//

MF1-10A

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 28, 1990 To convert LST to UTC: 5

Type Time Sky&Ceiling Vsby&Wx&Obsns Slp/Temp/Dp/Wnd/Asl/ Remarks&SupplementalCodedData

SA 0050 250 -SCT 9 197/59/54/2005/012/ 400 1001 76 (MAT 05:50Z)

72524 32964 22025 10150 20122 39907 40197 54000 00001 333 10244 20089 70000 555 92006= (MAT05:51Z)

SA 0150 CLR 9 195/58/54/2005/012 (MAT 06:53Z)
SA 0250 CLR 9 194/57/54/2005/011/ 90593 (MAT 07:50Z)
SA 0350 CLR 9 196/56/53/2006/012/ 502 (MAT 08:52Z)
SA 0450 CLR 9 203/57/53/2104/014 (MAT 09:50Z)
SA 0550 CLR 8 207/56/53/2105/015 (MAT 10:50Z)
SA 0650 60 SCT 250 -SCT 8 211/56/53/1906/016/ 214 1501 54 (MAT 11:50Z)

72524 32762 31906 10133 20117 39919 40211 52014 01501 333 10244 20122 555 92012= (MAT11:50Z)

SA 0750 60 SCT 250 -BKN 7 212/62/56/2104/016 (LH 12:50Z)
SA 0850 70 SCT 250 -BKN 9 215/66/58/2100/017 (LH 13:50Z)
SA 0950 70 SCT 250 -BKN 10 213/71/59/2107/017/ 003 1071 (LH 14:50Z)
SA 1050 80 SCT 250 -BKN 10 207/74/60/2300/015 (LH 15:50Z)
SA 1151 M70 BKN 10 204/76/61/2200/014 (LH 16:50Z)
SA 1250 60 SCT M80 OVC 10 198/77/61/2207/012/THN SPTS IOVC/ 714 157/ 54 (LH 17:50Z)

72524 32766 02207 10250 20161 39909 40190 57014 02257/ 333 10250 20122 555 44020 92010= (LH17:51Z)

SA 1350 M80 OVC 10 194/76/61/2207/011 (LH 18:51Z)
SA 1450 M80 OVC 10 192/75/60/2207/011 (LH 19:50Z)
SA 1553 M85 OVC 10 193/73/60/1010/011/ 607 107/ (HJW 20:54Z)
SA 1652 80 SCT E250 BKN 7 196/73/61/2104/012 (HJW 21:53Z)
SA 1753 M100 BKN 250 OVC 7 193/71/61/1007/011/THN SPTS IOVC (HJW 22:54Z)
SA 1850 E130 BKN 250 OVC 10 193/68/62/2005/011/ 000 1070 77 (HJW 23:55Z)

72524 32966 02005 10200 20167 39902 40193 50000 05070 333 10250 20122 555 92900= (HJW23:55Z)

SA 1952 80 SCT E130 BKN 250 BKN 8 193/66/61/1705/011 (HJW 00:53Z)
SA 2050 80 SCT E130 OVC 8 195/67/61/1905/012 (HJW 01:50Z)
SA 2150 80 SCT E130 OVC 8 195/67/61/2006/012/RB22E45/ 10300 107/ (HJW 02:51Z)
SA 2251 M85 OVC 7RW- 189/66/61/2003/010/RB35 (HJW 03:51Z)
SA 2350 90 SCT M110 OVC 7RW- 189/65/62/2304/010 (MAT 04:50Z)

MF1-10B

U.S. DEPARTMENT OF COMMERCE,
NATIONAL WEATHER SE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 28, 1990 To convert LST to U

Time -16-	Station Pressure -17-	Dry Bulb -18-	Wet Bulb -19-	(pressure) tend-ency -37-	net chg -38-	Preci-pitation -40-
0050	29.255			4	000	
0150	29.250					
0250	29.245					
0350	29.250			5	002	
0450	29.270					
0550	29.280					
0650	29.290			2	014	
0750	29.295					
0850	29.305					
0950	29.300			0	003	
1050	29.285					
1151	29.275					
1250	29.260			7	014	
1350	29.245					
1450	29.240					
1553	29.240			6	007	
1652	29.250					
1753	29.240					
1850	29.240			0	000	
1952	29.240					
2050	29.250					
2150	29.250			1	003	T
2251	29.235					T
2350	29.235					0.01

1200

MF3-1BB

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WBFO, CLEVELAND, OH
Date: SEP 28, 1990 To convert LST to UTC: 5

(CLOUD LAYERS AND OBSCURING PHENOMENA)

	(FIRST)				(SECOND)					(THIRD)					(FOURTH)					(FIFTH)					(SIXTH)					
Time	Tot. Sky	Act	Type	Hgt	Act	Type	Hgt	1st Sus	Act	Type	Hgt	2nd Sus	Act	Type	Hgt	3rd Sus	Act	Type	Hgt	4th Sus	Act	Type	Hgt	Tot. Opq.
-16-	-21-	-22-	-23-	-24-	-25-	-26-	-27-	-28-	-29-	-30-	-31-	-32-	-33-	-34-	-35-									-34-
0020	2	2	CI	250																				1
0150	0																							0
0250	0																							0
0350	0																							0
0450	0																							0
0550	0																							0
0650	4	1	SC	60	3	CI	250	4																1
0750	6	2	SC	60	4	CI	250	6																2
0850	7	3	AC	70	4	CI	250	7																3
0950	7	2	AC	70	7	CI	250	7																2
1050	8	5	AC	80	3	CI	250	8																5
1151	8	8	AC	070																				6
1250	10	2	SC	60	8	AC	M80	10																8
1350	10	10	AC	M80																				10
1450	10	10	AC	M80																				10
1553	10	10	AC	M85																				10
1652	9	5	AC	80	4	CS	E250	9																7
1753	10	6	AC	M100	4	CS	250	10																7
1850	10	6	AC	E130	4	CS	250	10																8
1952	9	4	AC	80	2	AC	E130	6	3	CS	250	9												7
2050	10	3	AC	80	7	AC	E130	10																10
2150	10	4	AC	80	6	AC	E130	10																10
2251	10	10	AC	M85																				10
2350	10	4	AC	90	6	AS	M110	10																10

Synoptic Observations

Time (LST)	No.	Precip. (ins.)	Snow Fall (ins.)	Snow Depth (ins.)	Max. Temp (°F)	Min. Temp (°F)	State of Grnd.	Soil Temp (°F)	(Station Pressure) (Computations) Barograph	Corr.
-42-	-43-	-44-	-45-	-46-	-47-	-48-	-50-	-56-	-64-	-65-
Mid to										
0049		0.00	0.0		59	50				
0049	1	0.00	0.0	0	66	50			29.250	+0.005
0649	2	0.00	0.0	0	59	51			29.290	0.000
1247	3	0.00	0.0	0	77	56			29.260	0.000
1849	4	0.00	0.0	0	77	60			29.240	0.000
Mid.		0.01	0.0	0	60	64				

Summary of Day (Midnight to midnight)

(TEMPS) Max (°F) -66-	Min (°F) -67-	24-hr Precip (ins.) -68-	24-hr Snow Unmltd (ins.) -69-	Snow Depth (ins.) -70-	(Peak Wind) Spd (kts.) -71-	Dir. -72-	Time (LST) -73-	(Sky Cover) 6A-6P -78-	Mid-Mid -79-	Water Equiv. (ins.) -80-	Sun-Rise	Sun-Set	Total Sun	% Posbl	(Fastest Wind) Spd (mph)	Dir.	Time (LST)
77	54	0.01	0.0	0	13	8	1541	6	7		0621	1815	301	83	12	10	1553

Weather & Obstruction to Vision

Type -82-	began -83-	end -84-
RW-	2122	2145
RW-	2235	CONT

90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLOUDY Character of Sunset: CLOUDY

Time Check: 0030/0630/0751/1039
LAKE TEMP 60 DEGREES//PK WIND LAST OF TWO OCCURRENCES//

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 29, 1990 To convert LST to UTC: 5

```
Time StykCeiling VsbykWxkObsns Slp/Temp/Dp/Wnd/Asl/ Remarks&SupplementalCodedData

0250 08 SCT E130 OVC 8 189/63/61/2285/010/RE30/ 60501 107/ 77 (HAT 05:52Z)

14 11962 02285 10172 20161 39508 48189 56005 69931 72502 88077 333 10250 20122 70003 90935 555 92906= (HAT05:54Z)

0150 08 SCT E130 OVC 7 189/63/61/2384/010 (HAT 06:50Z)
0250 H110 OVC 5F 186/62/61/2285/009/ 90301 (HAT 07:50Z)
0350 H110 OVC 6F 192/63/60/2584/011/ 302 102/ (HAT 08:51Z)
0450 6E SCT E250 OVC 4F 195/61/60/2305/012 (HAT 09:51Z)
0520 H5 OVC 4F 2305/012 (HAT 10:20Z)
0550 H5 OVC 4F 195/62/60/2204/012 (HAT 10:51Z)
0623 -X H4 OVC 11/2F 2104/012/F2 (HAT 11:23Z)
0650 -X H3 OVC 1F 201/62/61/0000/013/F3/ 300 16// 61 20001 (HAT 11:50Z)

24 31216 00000 10167 20161 39910 40201 53000 71022 80// 333 10250 20161 70203 555 92912= (HAT11:51Z)

0750 -X H3 OVC 1F 203/64/63/0303/013/F3 (EE6 12:53Z)
0836 H6 OVC 21/2F 0203/014 (EE5 13:37Z)
0850 H6 OVC 21/2F 204/65/63/0404/014 (EE5 13:51Z)
0951 H6 OVC 21/2RW-F 206/64/63/3004/015/RD135B PCPN VRY LGT WND LGT VRBL/ 20500 17// (EE5 14:53Z)
1050 H5 OVC 2RW-F 205/64/63/3604/014/WND LGT VRBL (EE5 15:52Z)
1150 H5 OVC 2RW-F 201/63/63/0000/013/PCPN VRY LGT (EE5 16:52Z)
1224 H5 OVC 11/2RW-F 0205/011 (EE5 17:25Z)
1237 5 SCT H85 BKN 95 OVC 11/2RW-F 3605/011/PCPN VRY LGT (EE5 17:39Z)
1251 5 SCT 85 SCT H100 OVC 11/2RW-F 195/63/63/0704/011/ 01207 177/ 61 (EE5 17:53Z)

524 11224 00704 10172 20172 39903 48195 50012 60021 70000 02777 333 10103 20161 70020 90942 555 44020 92910= (EE5017:55Z)

1314 H4 BKN 40 OVC 11/2RWF 1306/010 (EE5 18:15Z)
1333 4 SCT H40 BKN 65 OVC 11/2RW-F 1604/010 (EE5 18:35Z)
1350 H4 BKN 30 OVC 11/2RW-F 109/65/64/1503/010 (EE5 18:52Z)
1423 H5 BKN 30 OVC 2F 1705/010 (EE5 19:25Z)
1450 5 SCT H31 OVC 2F 104/67/64/1504/008/RE00 (EE5 19:52Z)
1530 5 SCT H13 OVC 2F 3605/000 (HJW 20:39Z)
1551 H4 OVC 11/2F 104/66/65/3506/000/ 61025 16// (HJW 20:52Z)
1611 -X H2 OVC 1F 3404/008/F3 (HJW 21:11Z)
1633 6 SCT H10 OVC 11/2F 3604/000 (HJW 21:33Z)
1653 6 SCT H10 BKN 150 OVC 11/2F 104/65/64/3605/000 (HJW 21:54Z)
1730 H6 BKN 10 BKN 150 OVC 1RW-F 0204/007 (HJW 22:40Z)
1752 -X H6 BKN 10 BKN 150 OVC 1F 177/64/64/0305/006/F2 RB27E42 (HJW 22:53Z)
1853 6 SCT H22 BKN 150 OVC 11/4F 177/64/64/0305/006/ 60725 152/ 67 (HJW 23:54Z)

2524 11320 00305 10170 20170 39007 48177 56007 60063 71002 00452/ 333 10194 20161 70004 90925 555 93000= (HJW23:56Z)

1941 H8 BKN 22 OVC 11/4F 3604/005 (HJW 00:42Z)
1953 H8 OVC 11/4F 174/64/64/3505/005 (HJW 00:54Z)
2030 H8 BKN 28 OVC 2F 3505/005 (HJW 01:32Z)
2053 H9 BKN 28 OVC 2F 173/64/64/3503/005 (HJW 01:53Z)
2117 -X H2 OVC 1F 3405/005/F4 (HJW 02:10Z)
2150 -X H2 OVC 1F 170/64/63/3306/004/F2/ 007 16// (HJW 02:52Z)
2250 -X H2 OVC 1F 160/63/62/3507/003/F2 (HJW 03:51Z)
2330 -X H3 OVC 1L-F 3110/004/F5 (HAT 04:31Z)
2350 -X H3 OVC 1RW-F 167/61/62/3309/003/F5 LB15E32R032 (HAT 04:50Z)
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U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 29, 1990 To convert LST to UTC: 5

Time -16-	Station Pressure -17-	Dry Bulb -18-	Wet Bulb -19-	(pressure) tend-ency -37-	net chg -38-	Preci-pitation -40-
0050	29.235			6	005	T
0150	29.235					
0250	29.225					
0350	29.240			3	002	
0450	29.250					
0550	29.250					
0650	29.265			3	020	
0750	29.270					
0850	29.275					T
0951	29.280			2	005	T
1050	29.275					0.01
1150	29.265					0.01
1251	29.245			8	012	0.06
1350	29.230					0.24
1450	29.215					T
1551	29.215			6	010	
1653	29.215					
1752	29.195					T
1853	29.195			6	007	
1953	29.185					
2053	29.185					
2150	29.175			8	007	
2250	29.170					
2350	29.165					0.01

MF1-10B

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Station: WSFO, CLEVELAND, OH

Surface Weather Observations Date: SEP 29, 1990 To convert LST to UTC: 5

(CLOUD LAYERS AND OBSCURING PHENOMENA)

Time -16-	Tot. Sky -21-	(FIRST) Amt -22-	Type -23-	Hgt -24-	(SECOND) Amt -25-	Type -26-	Hgt -27-	1st. Sum -28-	(THIRD) Amt -29-	Type -30-	Hgt -31-	2nd. Sum -32-	(FOURTH) Amt -33-	Type -34-	Hgt -35-	3rd. Sum	(FIFTH) Amt	Type	Hgt	4th Sum	(SIXTH) Amt	Type	Hgt	Tot. Obsc. -36-
0050	10	3	AC	80	7	AS	E130	10																10
0150	10	2	AC	80	8	AS	E130	10																10
0250	10	10	AS	M110																				10
0350	10	10	AS	M110																				10
0450	10	3	SC	60	7	CS	E250	10																10
0550	10	10	SC	M5																				10
0650	10	3	F	0	7	ST	M3	10																10
0750	10	3	F	0	7	ST	M3	10																10
0850	10	10	ST	M6																				10
0951	10	10	CUFRA	M6																				10
1050	10	10	CUFRA	M5																				10
1150	10	10	CUFRA	M5																				10
1251	10	2	CUFRA	5	3	AC	85	5	5	AC	M100	10												10
1350	10	6	CUFRA	M4	4	SC	30	10																10
1450	10	4	CUFRA	5	6	SC	M33	10																10
1551	10	10	ST	M4																				10
1653	10	2	ST	6	5	SC	M10	7	3	AC	150	10												10
1752	10	2	F	0	4	ST	M6	6	3	SC	18	9	1	AC	150	10								10
1853	10	3	ST	6	5	SC	M22	8	2	AS	150	10												10
1953	10	10	ST	M8																				10
2053	10	6	ST	M8	4	SC	20	10																10
2150	10	2	F	0	10	ST	M2	10																10
2250	10	2	F	0	10	ST	M2	10																10
2350	10	5	F	0	5	SC	M3	10																10

Synoptic Observations

Time (LST) -42-	No. -43-	Precip. (ins.) -44-	Snow Fall (ins.) -45-	Snow Depth (ins.) -46-	Max. Temp (F) -47-	Min. Temp (F) -48-	State of Grnd. -50-	Soil Temp (F) -56-	(Station Pressure) (Computations) Barograph -64-	Corr. -65-
Mid to 0049		T	0.0		65	63				
0049	1	0.01	0.0	0	68	63			29.235	0.000
0649	2	0.00	0.0	0	63	61			29.255	+0.010
1249	3	0.07	0.0	0	65	62			29.240	+0.005
1850	4	0.25	0.0	0	67	63			29.105	+0.010
Mid.		0.01	0.0	0	64	61				

Summary of Day (Midnight to midnight)

(TEMPS) Max (F) -66-	Min (F) -67-	24-hr Precip (ins.) -68-	24-hr Snow Unmltd (ins.) -69-	Snow Depth (ins.) -70-	(Peak Wind) Spd (kts.) -71	Dir. 72	Time (LST) 73-	(Sky Cover) SR-SS -78-	Mid-Mid -79-	Water Equiv. (ins.) -80-	Sun-Rise	Sun-Set	Total Sun	% Psbl	(Fastest Wind) Spd (mph)	Dir.	Time (LST)
67	61	0.33	0.0	0	12	WNW	2340	10	10		0622	1813	0	0	12	31	2330

Weather & Obstruction to Vision

Type -82-	Began -83-	End -84-
RW-	CONT	B(2235) 0030
F	0230	CONT
RW-	0850	1306
RW	1306	1329
RW-	1329	1400
RW-	1727	1742
L-	2315	2332
RW-	2332	CONT

90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLOUDY Character of Sunset: CLOUDY .

Time Check: 0040/0630/1409/1845

LAKE TEMP 60//

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 30, 1990 To convert LST to UTC: 5

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e Time ElvtCeiling VsbyWxObsns Slp/Temp/Dp/Wind/Asi/ RemarksSupplementalCodedData

0850 -X M3 OVC 1RW-F 164/60/60/3200/002/F3/ 70702 15// 67 (MAT 05:51Z) ---

524 31216 03209 10156 20156 39073 40164 57007 69951 75200 005// 333 10194 20156 70006 98921 555 93006= (MAT05:53Z)

0150 -X M3 OVC 1RW-F 164/60/59/3300/002/F3 (MAT 06:52Z)
0237 M4 OVC 2RW-F 3010/001 (MAT 07:37Z)
0250 M4 BKN 16 OVC 2RW-F 160/59/58/3109/001/ 96000 (MAT 07:50Z)
0353 M6 BKN 22 OVC 5RW-F 164/58/57/3007/002/ 50206 15// (MAT 08:53Z)
0450 M6 BKN 24 OVC 5RW-F 162/58/57/2907/001 (MAT 09:50Z)
0530 M7 BKN 16 BKN 30 OVC 6F 3011/003 (MAT 10:30Z)
0550 7 SCT M13 BKN 29 OVC 5RW-F 171/57/56/2910/024/RE25042 (MAT 10:51Z)
0616 7 SCT M16 BKN 60 OVC 9RW- 2907/005 (MAT 11:19Z)
0633 7 SCT M25 BKN 55 OVC 8RW- 3007/005 (MAT 11:35Z)
0651 20 BCT M55 OVC 8RW- 175/57/55/2907/005/ 21000 15// 37 20042 (MAT 11:54Z)

524 31562 02907 10139 20128 39003 40175 52010 60021 70200 005// 333 10194 20139 70107 90966 555 93012= (MAT11:54Z)

0750 20 SCT M70 OVC 7RW- 182/55/54/2606/007 (EES 12:51Z)
0807 M16 BKN 70 OVC 7RW- 2806/007 (EES 13:00Z)
0852 M16 BKN 95 OVC 0 189/56/53/3309/009/RE20 (EES 13:53Z)
0917 16 SCT M37 BKN 100 BKN 10 2906/009/WXD LGT VRBL (EES 14:16Z)
0951 M16 BKN 100 OVC 15 189/57/52/2809/009/DINOVC/ 11403 157/ (EES 14:53Z)
1050 M24 BKN 15 192/57/51/3010/010/MDT CU N E (EES 15:51Z)
1131 24 SCT M40 OVC 15 3209/011/DINOVC MDT CU ALRDS (EES 16:32Z)
1150 M40 BKN 15 194/61/50/3209/011/MDT CU ALRDS (EES 16:51Z)
1251 M36 BKN 20 196/60/50/2909/011/MDT CU ALRDS/ 10703 1200 55 (EES 17:53Z)

524 31600 62909 10156 20100 39903 40196 51007 69901 70200 06200 333 10161 20120 70097 90952 555 40019 93010= (EES17:55Z)

1350 M30 BKN 20 192/61/49/3011/010/MDT CU ALRDS (EES 18:51Z)
1450 36 SCT 75 SCT 20 192/62/46/3109/010/MDT CU N-NE (EES 19:51Z)
1553 35 BCT 75 SCT 20 197/62/46/3209/012/ 302 1130 (MJW 20:54Z)
1650 40 SCT 80 SCT 20 199/62/45/3007/012 (MJW 21:51Z)
1752 40 SCT 80 SCT 20 201/59/47/2404/013 (MJW 22:53Z)
1851 55 SCT 20 202/57/47/2703/013/ 103 1400 63 (MJW 23:52Z)

524 32700 22703 10139 20003 39909 40202 51003 62400 333 10172 20120 70033 555 98100= (MJW23:53Z)

1952 55 SCT 20 204/53/48/2404/013 (MJW 00:53Z)
2053 M55 BKN 20 210/51/48/2204/015 (MJW 01:53Z)
2151 M55 BKN 20 213/52/48/2405/016/ 310 1500 (MJW 02:52Z)
2252 44 SCT 20 213/51/47/2204/016 (MJW 03:52Z)
2350 36 SCT 12 211/48/46/2205/015 (MAT 04:51Z)
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U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: SEP 30, 1990 To convert LST to UTC: 5

Time -16-	Station Pressure -17-	Dry Bulb -18-	Wet Bulb -19-	(pressure) tend-ency -37-	net chg -38-	Preci-pitation -40-
0850	29.155			7	007	0.01
0150	29.155					0.03
0250	29.145					0.03
0353	29.155			5	002	0.01
0450	29.150					0.01
0550	29.175					T
0651	29.185			2	010	T
0750	29.205					0.01
0852	29.225					0.02
0951	29.225			1	014	
1050	29.235					
1150	29.240					
1251	29.245			1	007	
1350	29.235					
1450	29.235					
1553	29.250			3	002	
1650	29.255					
1752	29.260					
1851	29.260			1	003	
1952	29.265					
2053	29.280					
2151	29.290			3	010	
2252	29.290					
2350	29.285					

MF1-10D

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WBFO, CLEVELAND, OH
Date: SEP 30, 1990 To convert LST to UTC: 5

(CLOUD LAYERS AND OBSCURING PHENOMENA)

Time	Tot. Sky	(FIRST) Amt	Type	Hgt	(SECOND) Amt	Type	Hgt	1st. Sum	(THIRD) Amt	Type	Hgt	2nd. Sum	(FOURTH) Amt	Type	Hgt	3rd. Sum	(FIFTH) Amt	Type	Hgt	4th Sum	(SIXTH) Amt	Type	Hgt	Tot. Opq.
-16-	-21-	-22-	-23-	-24-	-25-	-26-	-27-	-28-	-29-	-30-	-31-	-32-	-33-	-34-	-35-									-36-
0050	10	3	F	0	7	SC	M3	10																10
0150	10	3	F	0	7	SC	M3	10																10
0250	10	7	SC	M6	3	SC	16	10																10
0353	10	7	SC	M6	3	SC	22	10																10
0450	10	7	SC	M6	3	SC	24	10																10
0550	10	3	SC	7	6	SC	M13	9	1	SC	29	10												10
0651	10	3	SC	20	7	SC	M55	10																10
0750	10	3	CUFRA	20	7	AC	M70	10																10
0852	10	8	CU	M16	2	AC	95	10																10
0951	10	9	SC	M16	1	AC	100	10																10
1050	9	9	CU	M24																				9
1150	8	8	CU	M40																				8
1251	8	8	CU	M30																				8
1350	7	7	CU	M38																				7
1450	4	2	CU	36	2	AC	75	4																4
1553	3	1	CU	35	2	AC	75	3																3
1650	1	1	CU	40	0	AC	80	1																1
1732	2	2	CU	40	0	AC	80	2																2
1851	3	3	SC	55																				3
1952	3	3	SC	55																				3
2053	7	7	SC	M55																				7
2151	6	6	SC	M55																				6
2252	5	5	SC	44																				5
2350	5	5	SC	36																				5

Synoptic Observations

Time (LST)	No.	Precip. (ins.)	Snow Fall (ins.)	Snow Depth (ins.)	Max. Temp (F)	Min. Temp (F)	State of Grnd.	Soil Temp (F)	(Station Pressure) (Computations) Barograph	Corr.
-42-	-43-	-44-	-45-	-46-	-47-	-48-	-50-	-56-	-60-	-63-
Mid to 0049		0.01	0.0		61	60				
0049	1	0.02	0.0	0	64	60			29.150	+0.005
0650	2	0.00	0.0	0	60	57			29.100	+0.005
1250	3	0.03	0.0	0	61	55			29.240	+0.005
1840	4	0.00	0.0	0	63	55			29.250	+0.010
Mid.		0.06	0.0	0	57	48				

Summary of Day (Midnight to midnight)

(TEMPS) Max (F)	Min (F)	24-hr Precip (ins.)	24-hr Snow Unmltd (ins.)	Snow Depth (ins.)	(Peak Wind) Spd (kts.)	Dir.	Time (LST)	(Sky Cover) SR-SS	Mid-Mid	Water Equiv. (ins.)	Sun-Rise	Sun-Set	Total Sun	% Psbl	(Fastest Wind) Spd (mph)	Dir.	Time (LST)
-66-	-67-	-68-	-69-	-70-	-71	72	73-	-78-	-79-	-80-							
63	48	0.12	0.0	0	17	NW	1409	7	7		0623	1811	330	40	13	30	1350

Weather & Obstruction to Vision

Type -82-	began -83-	end -84-
F	CONT B(2230)	0610
RW-	CONT B(2332)	0525
RW-	0542	0828

98. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLOUDY   Character of Sunset: CLEAR

Time Check: 0040/0630/1257/1845

LAKE TEMP 67//FASTEST 1-MIN WIND LAST OF SEVERAL OCCURRENCES//

MF1-10A

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Station: WSFO, CLEVELAND, OH
Surface Weather Observations Date: OCT 26, 1990 To convert LST to UTC: 5

Type Time Sky/Ceiling Vsb,Wx/Obstn Slp/Temp/Dp/Wind/Alt/ Remarks/Supplemental Code/Data

SA 0050 33 SCT M4 OVC 15 202/42/37/0000/010/E1N3OVC/ 50500 15// 5F (LH 05:502)

72524 11674 70211 10250 20020 35505 40203 55005 65001 70200 87500 333 10100 20050 35999 90420 555 92610= (LH01:512)

SA 0100 M36 OVC 20 207/41/33/2210/010/E1N3OVC (LH 06:502)
SA 0150 26 SCT M35 OVC 20 202/41/33/3405/010/E1N3OVC/ 50273 (LH 07:502)
SA 0200 M35 BKN 50 BKN 20 203/41/32/3402/010/ 500 1500 (LH 08:512)
SA 0250 M35 BKN 20 207/40/32/3507/013 (LH 09:512)
SA 0300 20 SCT M40 BKN 20 207/41/33/3505/013 (LH 10:502)
SA 0350 20 SCT M40 OVC 20 212/41/32/0105/014/E1N0OVC/ 200 15// 4F (LH 11:502)

72524 32500 70100 10050 20000 39914 40217 52000 87500 333 10100 20044 555 92612= (LH11:512)

SA 0750 26 SCT M50 BKN 20 217/41/32/3307/015/RWJ E (BF 12:502)
SA 0850 25 SCT M46 BKN 20 217/42/33/3010/015/RWJ E (BF 13:502)
SA 0950 24 SCT M34 BKN 20 215/42/34/3200/016/ 207 1500 (BF 14:502)
SF 1040 20 SCT M43 OVC 20IFW- 3405/017/IF030 (BF 15:412)
RS 1050 26 SCT M44 BKN 60 BKN 20 221/43/33/0210/017/IP030E47 (BF 15:512)
SA 1150 33 SCT M40 BKN 20 220/45/38/3413/017/RWJ NE-E-SE (BF 16:502)
SA 1250 30 SCT M42 BKN 20 215/44/31/0103/012/RWJ SE/ 40000 1500 4F (BF 17:512)

72524 11500 70105 10067 21004 35920 40219 54000 65001 71602 87500 333 10070 20044 90930 555 92610= (BF17:532)

SA 1350 27 SCT M46 OVC 20 221/44/32/0105/017 (BF 18:502)
SA 1450 30 SCT M44 BKN 20 221/45/31/3507/017 (BF 19:502)
SA 1551 M40 BKN 20 221/44/31/3507/017/ 102 1500 (EES 20:502)
SA 1650 M40 BKN 20 221/44/31/3407/017 (EES 21:512)
SA 1750 M39 BKN 20 225/42/30/3604/018 (EES 22:512)
SA 1851 M35 BKN 20 230/43/31/2604/019/ 305 1500 46 (EES 23:532)

72524 30600 67004 10051 21004 35931 40230 53000 86500 333 10070 20044 555 92700= (EES23:532)

SA 1950 M35 BKN 20 230/41/31/2504/019 (EES 00:502)
SA 2050 CLR 20 225/36/31/2004/019/FEW SC (EES 01:502)
SA 2151 CLR 20 221/35/33/2004/019/ 402 (EES 02:512)
SA 2250 CLR 20 225/34/31/2005/019 (EES 03:512)
SA 2350 CLR 20 221/33/30/2002/018 (LH 04:502)

MF1-10B

U.S. DEPARTMENT OF COMMERCE, NO
NATIONAL WEATHER SERVI

Station: WSFO, CLEVELAND, OH
Surface Weather Observations Date: OCT 26, 1990 To convert LST to UTC:

Time -16-	Station Pressure -17-	Dry Bulb -18-	Wet Bulb -19-	(pressure) Tend-ency -20-	Amt chg -36-	Preci-pitation -40-
0250	29.250			5	005	
0300	29.250					
0350	29.250					
0400	29.250			5	002	
0450	29.260					
0500	29.260					
0550	29.275			2	000	
0700	29.290					
0650	29.290					
0750	29.295			2	007	
0850	29.300					T
0950	29.300					
1050	29.295			4	000	
1150	29.300					
1250	29.300					
1350	29.300					
1450	29.300					
1550	29.300			1	002	
1650	29.300					
1750	29.310					
1850	29.325			3	000	
1950	29.325					
2050	29.320					
2150	29.325			4	000	
2250	29.320					
2350	29.310					

1-10H

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WBFO, CLEVELAND, OH
Date: OCT 26, 1990 To convert LST to UTC: 5

(CLOUD LAYERS AND OBSCURING PHENOMENA)

(FIRST)				(SECOND)				(THIRD)				(FOURTH)				(FIFTH)				(SIXTH)				Tot.
Tot. Sky	Amt	Type	Hgt	Amt	Type	Hgt	2nd. Sum	Amt	Type	Hgt	3rd. Sum	Amt	Type	Hgt	4th Sum	Amt	Type	Hgt	5th Sum	Amt	Type	Hgt	Tot. Obs.
-21-	-22-	-23-	-24-	-25-	-26-	-27-	-28-	-29-	-30-	-31-	-32-	-33-	-34-	-35-									-36-
10	4	SC	33	6	SC	M46	10																10
10	10	SC	M35																				10
10	5	SC	26	5	SC	M50	10																10
9	8	SC	M38	1	SC	50	9																9
7	7	SC	M38																				7
9	4	SC	20	5	SC	M40	9																9
10	3	SC	20	7	SC	M40	10																10
9	4	SC	26	5	SC	M50	9																9
9	4	SC	25	5	SC	M40	9																9
9	4	SC	24	5	SC	M36	9																9
9	5	SC	26	3	SC	M44	8	1	SC	40	9												9
7	2	SC	33	5	SC	M40	7																7
9	4	SC	30	5	SC	M42	9																9
10	4	SC	27	6	SC	M46	10																10
8	3	SC	30	5	SC	M44	8																5
8	8	SC	M40																				8
9	9	SC	M40																				9
8	8	SC	M39																				8
8	8	SC	M39																				8
6	6	SC	M39																				6
8	8	SC	30																				8
8																							8
8																							8
8																							8

Synoptic Observations

Time (LST)	No.	Precip. (Inc.)	Snow Fall (Inc.)	Snow Depth (Inc.)	Max. Temp (F)	Min. Temp (F)	State of Grnd.	Soil Temp (F)	(Station Pressure) (Computations) Barograph	Corr.
-02-	-03-	-04-	-05-	-06-	-07-	-08-	-09-	-10-	-11-	-45-
Mid to										
0847		0.00	0.0		43	41				
0847	1	T	0.0	0	44	41			29.260	-0.010
0944	2	0.00	0.0	0	42	40			29.285	-0.010
1245	3	T	T	0	44	41			29.215	-0.010
1530	4	0.00	0.0	0	44	42			29.340	-0.015
Prev.		0.00	0.0	0	42	33				

Summary of Day (Midnight to Midnight)

(Temp) Max (F)	Min (F)	24-hr Precip (Inc.)	24-hr Snow Fall (Inc.)	Snow Depth (Inc.)	(Peak Wind) Spd	Dir.	Time (LST)	(Sky Cover) SU-RS	Mid-Mid	Water Equiv. (Inc.)	Sun-Rise	Sun-Set	Total Sun	S Fall	(Fastest Mile) Spd	Dir.	Time (LST)
-66-	-67-	-68-	-69-	-70-	-71-	72	73-	-78-	-79-	-80-							
46	33	T	T	0	19	N	0105	9	7		0652	1731	54	0	15	34	1150

Weather & Obstruction to Vision

Type	Began	End
-82-	-83-	-84-
FOG-	1030	1047

90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLOUDY Character of Sunset: CLOUDY

Time Checks: 0534/1245/1917/

LAKE TEMP IN DEGREES/F/- MELTED AS IT FELL//

MF1-10A

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: OCT 27, 1990 To convert LST to UTC: 5

Type Time Sky&Ceiling Vsby&Wx&Obsns Slp/Temp/Dp/Wnd/Asi/ Remarks&SupplementalCodedData

SA 0050 CLR 20 229/33/30/2104/019/ 502 41 (LH 05:50Z)

72524 32980 02104 10026 21011 29929 40229 55002 333 10078 20020 79999 555 92710= (LH05:51Z)

SA 0150 CLR 20 229/31/29/2204/019 (LH 06:50Z)
SA 0250 CLR 20 233/31/29/2204/020/ 98054 (LH 07:50Z)
SA 0350 CLR 20 235/30/28/2104/020/ 205 (LH 08:50Z)
SA 0450 CLR 20 240/31/28/2205/022 (LH 09:50Z)
SA 0550 CLR 20 240/33/29/2105/022 (LH 10:50Z)
SA 0650 250 SCT 15 236/34/29/2107/021/FEW AC/ 002 1072 29 (LH 11:50Z)

72524 32974 12107 10011 21017 39936 40236 50002 81072 333 10078 21017 555 92712= (LH11:51Z)

SA 0750 120 SCT 250 SCT 15 238/36/30/2109/021 (BF 12:50Z)
SA 0850 120 SCT 250 -SCT 15 229/41/32/2212/019 (BF 13:52Z)
SA 0950 250 -SCT 15 229/45/33/2112/019/ 007 1009 (BF 14:50Z)
SA 1050 250 -SCT 15 216/49/32/2012/015 (BF 15:51Z)
SA 1150 250 -SCT 15 203/52/33/2117/012 (BF 16:50Z)
SA 1250 120 SCT 250 -BKN 15 184/54/32/2016/006/ 742 1036 29 (BF 17:49Z)

72524 32974 72016 10122 20008 39007 40184 57042 81036 333 10128 21017 555 44016 92710= (BF17:51Z)

SA 1350 120 SCT 250 SCT 15 172/56/31/2010/003 (BF 18:50Z)
SA 1450 E250 BKN 15 165/56/30/2117/000/FEW AC (BF 19:50Z)
SA 1551 130 SCT 250 -BKN 20 147/56/28/1919625/995/ 736 1050 (EES 20:52Z)
SA 1650 90 SCT E130 BKN 20 140/56/28/2015/993 (EES 21:51Z)
SA 1750 M65 BKN 85 OVC 20 130/55/28/2111/993 (EES 22:52Z)
SA 1851 M55 OVC 20 143/56/27/2113/994/ 503 15// 57 (EES 23:53Z)

72524 32780 02113 10133 21028 39848 40143 55003 865// 333 10139 21017 555 92800= (EES00:40Z)

SA 1950 40 SCT M100 OVC 20 139/55/29/2111/993/BINOVC (EES 00:50Z)
SA 2050 55 SCT M70 OVC 20 132/54/31/2110/991/BINOVC (EES 01:52Z)
SA 2151 M55 BKN 75 OVC 20 125/55/33/2510/990/ 715 157/ (EES 02:52Z)
SA 2250 M39 OVC 10 132/54/37/2614522/992 (EES 03:51Z)
SA 2350 41 SCT M60 OVC 10 139/52/37/3112/994 (LH 04:50Z)

MF1-10B

U.S. DEPARTMENT OF COMMERCE, NO
NATIONAL WEATHER SERVI

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: OCT 27, 1990 To convert LST to UTC:

Time -16-	Station Pressure -17-	Dry Bulb -18-	Wet Bulb -19-	(pressure) Tend-ency -37-	Tend-ency chg -38-	Precipitation -40-
0050	29.320			5	002	
0150	29.320					
0250	29.330					
0350	29.335			2	005	
0450	29.350					
0550	29.350					
0650	29.340			0	002	
0750	29.345					
0850	29.320					
0950	29.320			0	007	
1050	29.285					
1150	29.250					
1250	29.195			7	042	
1350	29.160					
1450	29.140					
1551	29.090			7	036	
1650	29.070					
1750	29.065					
1851	29.080			5	003	
1950	29.070					
2050	29.050					
2151	29.035			7	015	
2250	29.055					
2350	29.075					

1-10B

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

STATION WCLD, CLEVELAND, OH
Data: OCT 27, 1990 To convert LST to UTC: 5

(CLOUD LAYERS AND OBSCURING PHENOMENA)

	(FIRST)				(SECOND)				(THIRD)				(FOURTH)				(FIFTH)				(SIXTH)				Tot.
Day	Amt	Type	Hgt	Amt	Type	Hgt	Amt	Type	Hgt	Amt	Type	Hgt	Amt	Type	Hgt	Amt	Type	Hgt	Amt	Type	Hgt	Amt	Type	Hgt	Obs.
-21-	-22-	-23-	-24-	-25-	-26-	-27-	-28-	-29-	-30-	-31-	-32-	-33-	-34-	-35-											-36-
0	0																								0
0	0																								0
0	0																								0
0	0																								0
0	0																								0
0	0																								0
0	1	0	AC	250	1	CI	250	1																	1
0	1	1	AC	120	0	CI	250	1																	1
0	2	1	AC	120	1	CI	250	2																	1
0	2	2	CC	250																					0
0	2	2	CI	250																					1
0	5	5	CI	250																					2
0	9	1	AC	120	0	CI	250	9																	3
0	3	1	AC	120	2	CI	250	3																	2
0	9	0	AC	120	9	CS	E250	9																	5
0	9	2	AC	130	9	CS	250	9																	4
0	0	3	AC	90	5	AC	E130	0																	7
0	10	7	AC	M65	3	AC	85	10																	10
0	10	10	SC	M55																					10
0	10	4	SC	40	6	AC	M100	10																	10
0	10	2	SC	55	0	AC	M70	10																	10
0	10	6	SC	M55	4	AC	75	10																	10
0	10	10	SC	M39																					10
0	10	1	SC	41	9	SC	M40	10																	10

Synoptic Observations

Time (LST)	No.	Precip. (Ins.)	Snow Fall (Ins.)	Snow Depth (Ins.)	Max. Temp (F)	Min. Temp (F)	State of Grnd.	Soil Temp (F)	(Station Pressure) (Computations) Barograph	Corr.
-42-	-43-	- 44 -	- 45 -	- 46 -	- 47 -	- 48 -	- 50 -	- 56 -	- 49 -	-65 -
Pd/ Lo										
0943		0.00	0.0		33	32				
0943	1	0.00	0.0	0	43	32			29.335	-0.015
0945	2	0.00	0.0	0	34	29			29.360	-0.020
1144	3	0.00	0.0	0	55	24			29.215	-0.020
1950	4	0.00	0.0	0	57	54			29.100	-0.020
P.M.		0.00	0.0	0	56	52				

Summary of Day (Midnight to Midnight)

(Temp) Max (F)	Min (F)	24-Hr Precip (Ins.)	Snow Weather (Ins.)	Snow Depth (Ins.)	Resultant Dir. (Tens.)	Max. Dir. (Tens.)	Speed (LST)	Sky Cover 10-10	Pres-Tend	Water Equiv. (Ins.)	Sun-rise	Sun-set	Total Sun	% Poss	(Fastest Mind) Spd (mph)	Dir.	Time (LST)
-66-	-67-	-68-	-69-	-70-	-71	72	73-	-78-		-75-	-80-						
57	24	0.00	0.0	0	30	S 1624	5	5			0653	1729	469	74	22	19	1551

Weather & Obstruction to Vision
Type Began end
-82- -83- -84-

<<<< None Logged >>>>

90. Remarks, Notes & Miscellaneous Phenomena
Character of Sunrise: CLEAR Character of Sunset: CLOUDY

Time Checks: 0944/1023/1946/
LAKE TEMP 60 DEGREES//

F1-10A

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: OCT 28, 1990 To convert LST to UTC: 5

Time Sky&Ceiling Vsby&Wx&Obsns Stp/Temp/Dp/Wnd/Alt// Remarks&Supplemental&CodedWxs

0850 M42 OVC 18 144/49/37/2611/995/ 215 15// 57 (LN 85:5023)

24 33668 02011 10214 20038 39951 49144 52814 685// 333 10139 21017 70700 555 92828+ (LN85:5123)

0950 M38 BKN 45 OVC 15 145/48/36/2713528/997 (LN 86:5023)
0950 [illegible] SCT M33 BKN 55 OVC 18 164/44/32/2618/021/E0270440/ 98485 (LN 87:5023)
0750 38 SCT M48 OVC 15 165/45/34/2611/022/ 22488 15// (LN 85:5023)
0450 48 SCT M55 BKN 28 176/45/34/2611/085 (LN 89:5023)
0550 M38 BKN 28 187/44/32/3012022/027 (LN 10:5023)
0650 34 SCT M55 BKN 28 192/44/31/3009/009/ 222 1500 44 (LN 11:5123)

24 31602 73009 10067 21026 39097 48197 52022 70202 67500 333 10139 20067 59950 555 92012+ (LN11:5023)

CDW 0650 34 SCT M55 BKN 28 192/44/31/3009/009/ 22208 1500 44 (LN 11:5323)
0750 M38 OVC 28 197/44/32/3010/010/VIRGA SE-S-SW DINOVC (LN 12:5023)
0850 M43 BKN 28 211/43/29/3108/015/RWU SE (BF 13:5023)
0950 M44 BKN 28 218/43/25/3009/013/ 225 1500 (BF 14:5023)
1050 M48 OVC 28 225/44/26/3206/019/DINOVC DVND (BF 15:5023)
1150 M55 OVC 28 229/44/26/3112/020 (BF 16:5023)
1250 33 SCT M58 OVC 28 233/44/27/3110/021/ 214 15// 42 (BF 17:5023)

24 32608 03110 10067 21028 39936 48233 52014 685// 333 10094 20056 555 44015 92010+ (BF17:5123)

1350 M46 OVC 28 237/43/26/3108/022 (BF 18:5023)
1450 M42 OVC 28 243/44/27/3010/023 (BF 19:5023)
1550 M46 OVC 28 246/43/25/3006/024/ 212 15// (BF 20:5023)
1650 M43 OVC 28 248/43/27/2907/025 (EES 21:5123)
1750 M43 OVC 28 254/43/27/2908/026 (EES 22:5123)
1850 M45 OVC 28 257/43/26/3207/026/DINOVC/ 210 15// 44 (EES 23:5323)

24 32602 03207 10061 21037 39958 48257 52010 685// 333 10067 20056 555 52500+ (EES23:5423)

1950 M43 OVC 28 259/43/31/3508/026 (EES 00:5123)
2050 M42 OVC 28 261/43/32/3509/030 (EES 01:5023)
2150 33 SCT M43 OVC 28 272/41/30/3505/032/ 214 15// (EES 02:5323)
2250 M37 OVC 28 275/43/30/3505/033 (EES 03:5123)
2350 M38 OVC 28 275/40/28/3204/032 (EES 04:5023)

MF1-10A

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: OCT 28, 1990 To convert LST to UTC: 5

Time -1&-	Station Pressure -13-	Sea Level Pressure -15-	Alt Setting -16-	(Pressure) Tendency -37-	Char -38-	Precip Pressure -40-
0050	29.092			2	019	
0150	29.105					
0250	29.145					1
0350	29.168			2	024	
0450	29.165					
0550	29.218					
0650	29.225			2	022	
0750	29.248					
0850	29.288					
0950	29.308			2	025	
1050	29.328					
1150	29.338					
1250	29.348			2	014	
1350	29.358					
1450	29.365					
1550	29.375			2	012	
1650	29.388					
1750	29.395					
1850	29.405			2	010	
1950	29.410					
2050	29.430					
2150	29.445			2	014	
2250	29.455					
2350	29.455					

MF 1-10C

U.S. DEPARTMENT OF COMMERCE, NOAA
NATIONAL WEATHER SERVICE

Station: WSFO, CLEVELAND, OH
Surface Weather Observations Date: OCT 28, 1990 To convert LST to UTC: 5

(CLOUD COVERS AND CEILINGS AMOUNTS)

Time (LST)	Sky Cov.	Ceil.	Type	Hgt	1st Amt	Type	Hgt	2nd Sup	Amt	Type	Hgt	3rd Sup	Amt	Type	Hgt	4th Sup	Amt	Type	Hgt	Tot. Obs.
-16-	-23-	-22-	-23-	-24-	-25-	-26-	-27-	-28-	-29-	-30-	-31-	-32-	-33-	-34-	-35-					-36-
0250	10	10	SC	M42																10
0350	10	7	SC	M38	3	SC	45	10												10
0450	10	3	SC	22	3	SC	M33	6	4	SC	55	10								10
0550	10	3	SC	30	7	SC	M38	10												10
0650	9	3	SC	40	6	SC	M55	9												9
0750	9	9	SC	M50																9
0850	9	3	SC	34	6	SC	M55	9												9
0950	10	10	SC	M56																10
1050	9	9	SC	M43																9
1150	8	8	SC	M44																8
1250	10	10	SC	M40																10
1350	10	10	SC	M55																10
1450	10	3	SC	33	7	SC	M50	10												10
1550	10	10	SC	M46																10
1650	10	10	SC	M42																10
1750	10	10	SC	M41																10
1850	10	10	SC	M43																10
1950	10	10	SC	M45																10
2050	10	10	SC	M42																10
2150	10	10	SC	M40																10
2250	10	2	SC	32	8	SC	M42	10												10
2350	10	10	SC	M37																10
2350	10	10	SC	M38																10

Synoptic Observations

Time (LST)	No.	Precip. (Ins.)	Snow Fall (Ins.)	Snow Depth (Ins.)	Max. Temp (°F)	Min. Temp (°F)	State of Grnd.	Soil Temp (°F)	(Station Pressure) (Computations) Barograph	Corr.
-42-	-43-	-44-	-45-	-46-	-47-	-48-	-49-	-50-	-51-	-45-
Rid to										
0247		0.00	0.0		52	45				
0247	1	0.00	0.0	0	50	49			29.102	-0.010
0346	2	T	0.0	0	45	44			29.240	-0.015
1349	3	0.00	0.0	0	44	43			29.355	-0.015
1352	4	0.00	0.0	0	44	43			29.420	-0.015
Mid.		0.00	0.0	0	44	40				

Summary of Day (Midnight to Midnight)

(°F) Max. -66-	Min. -67-	24-hr Precip (Ins.) -68-	Snow Fall (Ins.) -69-	Snow Depth (Ins.) -70-	Fast Wind Spd (Mph) -71-	Dir. 72	Time (LST) 73-	Sky Cover 10-15 -78-	Pkc-Pt.# -79-	Water Equiv. (Ins.) -80-	Sun-Rise	Sun-Set	Total Sun	% Poss.	(Fastest Wind) Spd (m/h)	Dir.	Time (LST)
52	40	T	0.0	0	20	W	0834	10	10		0654	1720	26	4	15	27	0150

Weather & Obstruction to Vision

Type -82-	Began -83-	End -84-
RW-	0227	0246

RE, Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLOUDY Character of Sunset: CLOUDY

Time Check: 0612/1240//
LAKE TEMP 59 DEGREES//

APPENDIX K - AIR

RESULTS OF TENAX VOLATILE ORGANIC COMPOUND SAMPLING

NEASE CHEMICAL COMPANY SITE SALEM, OHIO

TABLE A2
RESULTS OF TENAX VOLATILE ORGANIC COMPOUND SAMPLING[2]
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-01-1-004	RNS-A0-01-1-031	RNS-A0-01-1-034	RNS-A0-01-1-028
Sample Location		St. 1 Outside Sample	St. 1 Rep. Outside Sample	Field Blank	Trip Blank
Volume Air Sampled (m^3)		0.39	0.00	0.00	0.00
Date of Sample Collection		9/13/90	9/13/90	9/13/90	9/13/90
Volatile Compound	OSHA 8-hr TWA				
Chloroform	9.78	ND	ND	ND	ND
Carbon Tetrachloride	12.6	9.7	ND	ND	ND
Trichloroethene	270	ND	ND	ND	ND
1,2-Dichloropropane	350	ND	ND	ND	ND
Bromodichloroethane	--	ND	ND	ND	ND
cis-1,2-Dichloropropene	--	ND	ND	ND	ND
trans-1,2-Dichloropropene	--	ND	ND	ND	ND
1,1,2-Trichloroethane	45	ND	ND	ND	ND
Dibromochloromethane	--	ND	ND	ND	ND
Chlorobenzene	350	ND	ND	ND	ND
Ethylbenzene	435	ND	ND	ND	ND
Total Xylenes	435	ND	ND	ND	ND
Styrene	215	ND	ND	ND	ND
Bromoform	5	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ng 7	ND	ND	ND	ND

1 Results are presented in ~~ng~~/m^3 except for the OSHA time weighted average which are in mg/m^3.
2 This table presents only those compounds identified by the analysis.
3 Results presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not Detected.
-- OSHA limit not available.

TABLE A2 (CONT'D)
RESULTS OF TENAX VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-02-3406	RNS-A0-02-3416	RNS-A0-02-3404	RNS-A0-03-1-018
Sample Location		St. 2 Outside Sample	St. 2 Inside Sample of 3406	St. 2 Rep. Outside Sample	St. 2 Rep. Inside Sample of 3404
Volume Air Sampled (m^3)		0.77	0.77	0.39	0.39
Date of Sample Collection		9/28/90	9/28/90	9/28/90	9/28/90
Volatile Compound	OSHA 8-hr TWA				
Chloroform	9.78	UL	UL	UL	UL
Carbon Tetrachloride	12.6	15.6J	UL	16.7J	UL
Trichloroethene	270	UL	UL	UL	UL
1,2-Dichloropropane	350	UL	UL	UL	UL
Bromodichloroethane	--	UL	UL	UL	UL
cis-1,2-Dichloropropene	--	UL	UL	UL	UL
trans-1,2-Dichloropropene	--	UL	UL	UL	UL
1,1,2-Trichloroethane	45	UL	UL	UL	UL
Dibromochloromethane	--	UL	UL	UL	UL
Chlorobenzene	350	UL	UL	UL	UL
Ethylbenzene	435	UL	UL	UL	UL
Total Xylenes	435	7.5J	UL	UL	UL
Styrene	215	UL	UL	UL	UL
Bromoform	5	UL	UL	UL	UL
1,1,2,2-Tetrachloroethane	7	UL	UL	UL	UL

[1] Results are presented in ng/m^3 except for the OSHA time weighted averages which are in mg/m^3.
[2] This table presents only those compounds detected by the analysis.
[3] Results presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
-- OSHA limit not available.

TABLE A2 (CONT'D)
RESULTS OF TENAX VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-02-3413	RNS-A0-02-3408	RNS-A0-02-3442	RNS-A0-02-3441
Sample Location		Field Blank	Trip Blank	St. 2 Outside Sample	St. 2 Inside Sample of 3442
Volume Air Sampled (m^3)		0.00	0.00	0.77	0.77
Date of Sample Collection		9/28/90	9/28/90	10/27/90	10/27/90
Volatile Compound	**OSHA 8-hr TWA**				
Chloroform	9.78	UL	UL	ND	ND
Carbon Tetrachloride	12.6	UL	UL	14.3	ND
Trichloroethene	270	UL	UL	ND	ND
1,2-Dichloropropane	350	UL	UL	ND	ND
Bromodichloroethane	--	UL	UL	ND	ND
cis-1,2-Dichloropropene	--	UL	UL	ND	ND
trans-1,2-Dichloropropene	--	UL	UL	ND	ND
1,1,2-Trichloroethane	45	UL	UL	ND	ND
Dibromochloromethane	--	UL	UL	ND	ND
Chlorobenzene	350	UL	UL	15.6	ND
Ethylbenzene	435	UL	UL	ND	ND
Total Xylenes	435	UL	UL	15.6	ND
Styrene	215	UL	UL	ND	ND
Bromoform	5	UL	UL	ND	ND
1,1,2,2-Tetrachloroethane	7	UL	UL	ND	ND

1 Results are presented in ng/m^3 except for the OSHA time weighted averages which are in mg/m^3.
2 This table presents only those compounds detected by the analysis.
3 Results presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
-- OSHA limit not available.

TABLE A2 (CONT'D)
RESULTS OF TENAX VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-02-3433	RNS-A0-02-3440	RNS-A0-02-3432	RNS-A0-02-3436
Sample Location		St. 2 Dup. Outside Sample	St. 2 Inside Sample of 3433	Field Blank	Trip Blank
Volume Air Sampled (m^3)		0.77	0.77	0.00	0.00
Date of Sample Collection		10/27/90	10/27/90	10/27/90	10/27/90
Volatile Compound	OSHA 8-hr TWA				
Chloroform	9.78	ND	ND	ND	ND
Carbon Tetrachloride	12.6	12.2	ND	ND	ND
Trichloroethene	270	ND	ND	ND	ND
1,2-Dichloropropane	350	ND	ND	ND	ND
Bromodichloroethane	--	ND	ND	ND	ND
cis-1,2-Dichloropropene	--	ND	ND	ND	ND
trans-1,2-Dichloropropene	--	ND	ND	ND	ND
1,1,2-Trichloroethane	45	ND	ND	ND	ND
Dibromochloromethane	--	ND	ND	ND	ND
Chlorobenzene	350	12.6	ND	ND	ND
Ethylbenzene	435	ND	ND	ND	ND
Total Xylenes	435	10.5	ND	ND	ND
Styrene	215	ND	ND	ND	ND
Bromoform	5	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	7	ND	ND	ND	ND

1 Results are presented in ng/m^3 except for the OSHA time weighted averages which are in mg/m^3.
2 This table presents only those compounds detected by the analysis.
3 Results presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
-- OSHA limit not available.

TABLE A2 (CONT'D)
RESULTS OF TENAX VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-03-1-024	RNS-A0-03-1-023	RNS-A0-03-1-026	RNS-A0-03-1-025
Sample Location		St. 3 Outside Sample	St. 3 Inside Sample	St. 3 Dup. Outside Sample	St. 3 Inside Sample of 026
Volume Air Sampled (m^3)		0.78	0.78	0.77	0.77
Date of Sample Collection		9/10/90	9/10/90	9/10/90	9/10/90
Volatile Compound	**OSHA 8-hr TWA**				
Chloroform	9.78	ND	ND	ND	ND
Carbon Tetrachloride	12.6	ND	ND	14.1J	ND
Trichloroethene	270	ND	ND	ND	ND
1,2-Dichloropropane	350	ND	ND	ND	ND
Bromodichloroethane	--	ND	ND	ND	ND
cis-1,2-Dichloropropene	--	ND	ND	ND	ND
trans-1,2-Dichloropropene	--	ND	ND	ND	ND
1,1,2-Trichloroethane	45	ND	ND	ND	ND
Dibromochloromethane	--	ND	ND	ND	ND
Chlorobenzene	350	ND	ND	ND	ND
Ethylbenzene	435	ND	ND	ND	ND
Total Xylenes	435	ND	ND	ND	ND
Styrene	215	ND	ND	ND	ND
Bromoform	5	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	7	ND	ND	ND	ND

1 Results are presented in ng/m^3 except for the OSHA time weighted averages which are in mg/m^3.
2 This table presents only those compounds detected by the analysis.
3 Results presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
-- OSHA limit not available.

TABLE A2 (CONT'D)
RESULTS OF TENAX VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-03-1-007	RNS-A0-03-1-011	RNS-A0-04-3412	RNS-A0-04-3407
Sample Location		Field Blank	Trip Blank	St. 4 Outside Sample	Trip Blank
Volume Air Sampled (m^3)		0.00	0.00	0.77	0.00
Date of Sample Collection		9/10/90	9/10/90	9/29/90	9/29/90
Volatile Compound	OSHA 8-hr. TWA				
Chloroform	9.78	ND	ND	ND	ND
Carbon Tetrachloride	12.6	ND	ND	15.6	ND
Trichloroethene	270	ND	ND	12.3	ND
1,2-Dichloropropane	350	ND	ND	ND	ND
Bromodichloroethane	--	ND	ND	ND	ND
cis-1,2-Dichloropropene	--	ND	ND	ND	ND
trans-1,2-Dichloropropene	--	ND	ND	ND	ND
1,1,2-Trichloroethane	45	ND	ND	ND	ND
Dibromochloromethane	--	ND	ND	ND	ND
Chlorobenzene	350	ND	ND	ND	ND
Ethylbenzene	435	ND	ND	7.1	ND
Total Xylenes	435	ND	ND	24.7	ND
Styrene	215	ND	ND	ND	ND
Bromoform	5	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	7	ND	ND	ND	ND

[1] Results are presented in ng/m^3 except for the OSHA time weighted averages which are in mg/m^3.
[2] This table presents only those compounds detected by the analysis.
[3] Results presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
-- OSHA limit not available.

TABLE A2 (CONT'D)
RESULTS OF TENAX VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-04-3410	RNS-A0-05-3411	RNS-A0-05-3409	RNS-A0-05-3901
Sample Location		Field Blank	St. 5 Outside Sample	St. 5 Rep. Outside Sample	Field Blank
Volume Air Sampled (m^3)		0.77	0.77	0.39	0.00
Date of Sample Collection		*9/29/90*	*9/27/90*	*9/27/90*	*9/27/90*
Volatile Compound	**OSHA 8-hr TWA**				
Chloroform	9.78	ND	ND	ND	ND
Carbon Tetrachloride	12.6	ND	15.6J	14.4J	ND
Trichloroethene	270	ND	ND	ND	ND
1,2-Dichloropropane	350	ND	ND	ND	ND
Bromodichloroethane	--	ND	ND	ND	ND
cis-1,2-Dichloropropene	--	ND	ND	ND	ND
trans-1,2-Dichloropropene	--	ND	ND	ND	ND
1,1,2-Trichloroethane	45	ND	ND	ND	ND
Dibromochloromethane	--	ND	ND	ND	ND
Chlorobenzene	350	ND	ND	ND	ND
Ethylbenzene	435	ND	ND	ND	ND
Total Xylenes	435	ND	11.4J	ND	ND
Styrene	215	ND	ND	ND	ND
Bromoform	5	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	7	ND	ND	ND	ND

1 Results are presented in ng/m^3 except for the OSHA time weighted averages which are in mg/m^3.
2 This table presents only those compounds detected by the analysis.
3 Results presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
-- OSHA limit not available.

TABLE A2 (CONT'D)
RESULTS OF TENAX VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-05-3405	RNS-A0-06-3415	RNS-A0-06-3419	RNS-A0-06-3403
Sample Location		Trip Blank	St. 6 Outside Sample	St. 6 Dup. Outside Sample	Trip Blank
Volume Air Sampled (m^3)		0.0	0.79	0.79	0.00
Date of Sample Collection		9/27/90	9/29/90	9/29/90	9/29/90
Volatile Compound	OSHA 8-hr. TWA				
Chloroform	9.78	ND	UL	UL	UL
Carbon Tetrachloride	12.6	ND	15.2J	15.2J	UL
Trichloroethene	270	ND	14.3J	15.2J	UL
1,2-Dichloropropane	350	ND	UL	UL	UL
Bromodichloroethane	--	ND	UL	UL	UL
cis-1,2-Dichloropropene	--	ND	UL	UL	UL
trans-1,2-Dichloropropene	--	ND	UL	UL	UL
1,1,2-Trichloroethane	45	ND	UL	UL	UL
Dibromochloromethane	--	ND	UL	UL	UL
Chlorobenzene	350	ND	UL	8.6J	UL
Ethylbenzene	435	ND	14.3J	14.3J	UL
Total Xylenes	435	ND	57.1J	57.1J	UL
Styrene	215	ND	8.8J	UL	UL
Bromoform	5	ND	UL	UL	UL
1,1,2,2-Tetrachloroethane	7	ND	UL	UL	UL

1 Results are presented in ng/m^3 except for the OSHA weighted averages which are in mg/m^3.
2 This table presents only those compounds detected by the analysis.
3 Results presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
-- OSHA limit not available.

TABLE A2 (CONT'D)
RESULTS OF TENAX VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-06-3443	RNS-A0-06-3438	RNS-A0-06-3431
Sample Location		St. 6 Outside Sample	St. 6 Inside Sample of 3443	St.6 Dup. Outside Sample
Volume Air Sampled (m^3)		0.77	0.77	0.77
Sample of Sample Collection (m^3)		10/27/90	10/27/90	10/27/90
Volatile Compound	**OSHA 8-hr. TWA**			
Chloroform	9.78	ND	ND	ND
Carbon Tetrachloride	12.6	15.6	ND	15.6
Trichloroethene	270	ND	ND	ND
1,2 -Dichloropropane	350	ND	ND	ND
Bromodichloroethane	--	ND	ND	ND
cis-1,2-Dichloropropene	--	ND	ND	ND
trans-1,2-Dichloropropene	--	ND	ND	ND
1,1,2-Trichloroethane	45	ND	ND	ND
Dibromochloromethane	--	ND	ND	ND
Chlorobenzene	350	ND	ND	ND
Ethylbenzene	435	ND	ND	ND
Total Xylenes	435	19.5	ND	19.5
Styrene	215	ND	ND	ND
Bromoform	5	ND	ND	ND
1,1,2,2-Tetrachloroethane	7	ND	ND	ND

1 Results are presented in ng/m^3 except for the OSHA time weighted averages which are in mg/m^3.
2 This table presents only those compounds detected by the analysis.
3 Results presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
-- OSHA limit not available.

TABLE A2 (CONT'D)
RESULTS OF TENAX VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-06-3439	RNS-A0-06-3430
Sample Location		St. 6 Inside Sample of 3931	Field Blank
Volume Air Sampled (m^3)		0.77	0.77
Sample of Sample Collection		10/27/90	10/27/90
Volatile Compound	OSHA 8-hr. TWA		
Chloroform	9.78	ND	ND
Carbon Tetrachloride	12.6	ND	15.6
Trichloroethene	270	ND	ND
1,2 -Dichloropropane	350	ND	ND
Bromodichloroethane	--	ND	ND
cis-1,2-Dichloropropene	--	ND	ND
trans-1,2-Dichloropropene	--	ND	ND
1,1,2-Trichloroethane	45	ND	ND
Dibromochloromethane	--	ND	ND
Chlorobenzene	350	ND	ND
Ethylbenzene	435	ND	ND
Total Xylenes	435	ND	19.5
Styrene	215	ND	ND
Bromoform	5	ND	ND
1,1,2,2-Tetrachloroethane	7	ND	ND

1 Results are presented in ng/m^3 except for the OSHA time weighted averages which are in mg/m^3.
2 This table presents only those compounds detected by the analysis.
3 Results presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
-- OSHA limit not available.

APPENDIX K - AIR

RESULTS OF TENTATIVELY IDENTIFIED TENAX VOLATILE ORGANIC COMPOUND SAMPLING

NEASE CHEMICAL COMPANY SITE
SALEM, OHIO

TABLE A3
RESULTS OF TENAX VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
(TENTATIVELY IDENTIFIED COMPOUNDS)
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-01-1-004	RNS-A0-01-1-031	RNS-A0-01-1-034	RNS-A0-01-1-028
Sample Location		St. 1 Outside Sample	St. 1 Rep. Outside Sample	Field Blank	Trip Blank
Volume Air Sampled (m^3)		0.77	0.39	0.00	0.00
Date of Sample Collection		9/13/90	9/13/9	9/13/90	9/13/90
Volatile Compound	**OSHA 8 hr. TWA**				
Acetone	1800	64.9J	102.6J	ND	ND
1,1,1-Trichloroethane	1900	13.0R	ND	ND	ND
Benzene	33	39.0R	51.3J	ND	ND
Trichlorofluoromethane	–	ND	ND	ND	ND
Toluene	375	ND	ND	ND	ND
Benzaldehyde	–	ND	ND	ND	ND
Phenylethanone	–	ND	ND	ND	ND
Methylene Chloride	1765	ND	ND	ND	ND
C4-Alkane	–	ND	ND	ND	ND
C5-Alkane	–	ND	25.6J	ND	ND
C4-Oxygenated Alkane	–	ND	ND	ND	ND
C5-Oxygenated Alkane	–	ND	ND	ND	ND
C9-Hydrocarbon	–	ND	ND	ND	ND
C2-Substituted Benzene	–	ND	ND	ND	ND
Alkylnitrogen Substituted Benzene	–	ND	ND	ND	ND
C9-Oxygenated Alkenes	–	ND	ND	ND	ND
C10-Cyclic Hydrocarbon	–	ND	ND	ND	ND
C7-Oxygenated Alkane	–	ND	ND	ND	ND

1 Results are presented in ng/m^3 except for the OSHA time weighted average which is in mg/m^3.
2 This table presents only those compounds identified by the analysis.
3 Results are presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
R Unreliable Results - Analyte may or may not be present in this sample.
ND Not Detected
– No OSHA limit available.

TABLE A3 (CONT'D)
RESULTS OF TENAX VOLATILE ORGANIC COMPOUND SAMPLING[1,3]
(TENTATIVELY IDENTIFIED COMPOUNDS)
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-02-3406	RNS-A0-02-3416	RNS-A0-02-3404	RNS-A0-02-3418
Sample Location		St. 2 Outside Sample	St. 2 In.Sample of 3406	St. 2 Rep. Out. Sample	St. 2 In.Sample of 3404
Volume Air Sampled (m^3)		0.77	0.77	0.39	0.39
Date of Sample Collection		9/28/90	9/28/90	9/28/90	9/13/90
Volatile Compound	OSHA 8 hr. TWA				
Acetone	1800	129.9J	51.9J	102.6J	39.0J
1,1,1-Trichloroethane	1900	ND	ND	ND	ND
Benzene	33	116.9R	26.0R	76.9R	26.0R
Trichlorofluoromethane	–	ND	13.0R	ND	ND
Toluene	375	26.0R	ND	ND	ND
Benzaldehyde	–	649.4R	259.7R	1,026R	519.5R
Phenylethanone	–	779.2R	127.9R	769.2R	519.5R
Methylene Chloride	1765	26.0R	ND	ND	ND
C4-Alkane	–	ND	ND	ND	13.0J
C5-Alkane	–	ND	ND	ND	ND
C4-Oxygenated Alkane	–	ND	ND	ND	ND
C5-Oxygenated Alkane	–	ND	ND	ND	ND
C9-Hydrocarbon	–	ND	ND	ND	ND
C2-Substituted Benzene	–	ND	ND	ND	ND
Alkylnitrogen Substituted Benzene	–	ND	ND	ND	13.0J
C9-Oxygenated Alkenes	–	779.2J	ND	769.2R	ND
C10-Cyclic Hydrocarbon	–	13.0J	ND	ND	ND
C7-Oxygenated Alkane	–	64.9J	ND	ND	ND

1 Results are presented in ng/m^3 except for the OSHA time weighted average which is in mg/m^3.
2 This table presents only those compounds identified by the analysis.
3 Results are presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
R Unreliable Results - Analyte may or may not be present in this sample.
ND Not Detected
– No OSHA limit available.

TABLE A3 (CONT'D)
RESULTS OF TENAX VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
(TENTATIVELY IDENTIFIED COMPOUNDS)
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-02-3413	RNS-A0-02-3408	RNS-A0-02-3442	RNS-A0-02-3441
Sample Location		Field Blank	Trip Blank	St. 2 Outside Sample	St. 2 In.Sample of 3442
Volume Air Sampled (m^3)		0.00	0.00	0.77	0.77
Date of Sample Collection		9/28/90	9/28/90	10/27/90	10/27/90
Volatile Compound	**OSHA 8 hr. TWA**				
Acetone	1800	20[3]J	ND	90.9J	129.9J
1,1,1-Trichloroethane	1900	ND	ND	39.0R	ND
Benzene	33	30[3]J	ND	26.0R	ND
Trichlorofluoromethane	–	ND	ND	389.6R	129.8R
Toluene	375	ND	ND	51.9R	ND
Benzaldenyde	–	400[3]J	200[3]J	ND	51.9R
Phenylethanone	–	500[3]J	300[3]J	ND	ND
Methylene Chloride	1765	ND	ND	26.0R	26.0R
C4-Alkane	–	ND	ND	51.9J	129.9J
C5-Alkane	–	ND	ND	389.6R	519.5R
C4-Oxygenated Alkane	–	ND	ND	ND	ND
C5-Oxygenated Alkane	–	ND	ND	13.0J	ND
C9-Hydrocarbon	–	ND	ND	ND	ND
C2-Substituted Benzene	–	20[3]J	10[3]J	ND	ND
Alkylnitrogen Substituted Benzene	–	ND	ND	ND	ND
C9-Oxygenated Alkenes	–	ND	ND	ND	ND
C10-Cyclic Hydrocarbon	–	ND	ND	ND	ND
C7-Oxygenated Alkane	–	ND	ND	ND	ND

1 Results are presented in ng/m^3 except for the OSHA time weighted average which is in mg/m^3.
2 This table presents only those compounds identified by the analysis.
3 Results are presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
R Unreliable Results - Analyte may or may not be present in this sample.
ND Not Detected
– No OSHA limit available.

TABLE A3 (CONT'D)
RESULTS OF TENAX VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
(TENTATIVELY IDENTIFIED COMPOUNDS)
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-02-3433	RNS-A0-02-3440	RNS-A0-02-3432	RNS-A0-02-3436
Sample Location		St. 2 Dup. Out. Sample	St. 2 In. Sample of 3433	Field Blank	Trip Blank
Volume Air Sampled (m^3)		0.77	0.77	0.00	0.00
Date of Sample Collection		10/27/90	10/27/90	10/27/90	10/27/90
Volatile Compound	OSHA 8 hr. TWA				
Acetone	1800	39.0J	ND	ND	ND
1,1,1-Trichloroethane	1900	26.0R	ND	ND	ND
Benzene	33	26.0R	ND	ND	ND
Trichlorofluoromethane	–	129.9R	259.7R	20[3]J	200[3]J
Toluene	375	26.0R	ND	ND	ND
Benzaldenyde	–	90.9R	39.0R	ND	ND
Phenylethanone	–	64.9R	ND	ND	ND
Methylene Chloride	1765	26.0R	39.0R	ND	30[3]R
C4-Alkane	–	ND	39.0R	ND	ND
C5-Alkane	–	39.0R	26.0R	10[3]J	ND
C4-Oxygenated Alkane	–	ND	ND	ND	20[3]J
C5-Oxygenated Alkane	–	ND	ND	ND	ND
C9-Hydrocarbon	–	13.0J	ND	ND	ND
C2-Substituted Benzene	–	ND	ND	ND	ND
Alkylnitrogen Substituted Benzene	–	ND	ND	ND	ND
C9-Oxygenated Alkenes	–	ND	ND	ND	ND
C10-Cyclic Hydrocarbon	–	ND	ND	ND	ND
C7-Oxygenated Alkane	–	ND	ND	ND	ND

1 Results are presented in ng/m^3 except for the OSHA time weighted average which is in mg/m^3.
2 This table presents only those compounds identified by the analysis.
3 Results are presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
R Unreliable Results - Analyte may or may not be present in this sample.
ND Not Detected
– No OSHA limit available.

TABLE A3 (DONT'D)
RESULTS OF TENAX VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
(TENTATIVELY IDENTIFIED COMPOUNDS)
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-03-1-024	RNS-A0-03-1-023	RNS-A0-03-1-026	RNS-A0-03-1-025
Sample Location		St. 3 Outside Sample	St. 3 In. Sample of 024	St. 3 Dup. Out. Sample	St. 3 In. Sample of 026
Volume Air Sampled (m^3)		0.78	0.77	0.77	0.77
Date of Sample Collection		9/10/90	9/10/90	9/10/90	9/10/90
Volatile Compound	**OSHA 8 hr. TWA**				
Acetone	1800	38.5J	38.5J	51.3J	38.5J
1,1,1-Trichloroethane	1900	ND	ND	25.6R	ND
Benzene	33	ND	25.6R	38.5R	25.6J
Trichlorofluoromethane	–	12.8R	12.8R	12.8R	12.8R
Toluene	375	ND	ND	ND	ND
Benzaldenyde	–	ND	51.3J	38.5J	ND
Phenylethanone	–	ND	ND	ND	ND
Methylene Chloride	1765	ND	ND	ND	ND
C4-Alkane	–	ND	ND	ND	ND
C5-Alkane	–	ND	ND	12.8J	ND
C4-Oxygenated Alkane	–	ND	ND	ND	ND
C5-Oxygenated Alkane	–	ND	ND	ND	ND
C9-Hydrocarbon	–	ND	ND	ND	ND
C2-Substituted Benzene	–	ND	ND	ND	ND
Alkylnitrogen Substituted Benzene	–	ND	ND	ND	ND
C9-Oxygenated Alkenes	–	ND	ND	ND	ND
C10-Cyclic Hydrocarbon	–	ND	ND	ND	ND
C7-Oxygenated Alkane	–	ND	ND	ND	ND

1 Results are presented in ng/m^3 except for the OSHA time weighted average which is in mg/m^3.
2 This table presents only those compounds identified by the analysis.
3 Results are presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
R Unreliable Results - Analyte may or may not be present in this sample.
ND Not Detected
– No OSHA limit available.

TABLE A3 (CONT'D)
RESULTS OF TENAX VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
(TENTATIVELY IDENTIFIED COMPOUNDS)
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-03-1-007	RNS-A0-03-1-011	RNS-A0-04-3412	RNS-A0-04-3407
Sample Location		Field Blank	Trip Blank	St. 4 Outside Sample	Trip Blank
Volume Air Sampled (m^3)		0.00	0.00	0.77	0.00
Date of Sample Collection		9/10/90	9/10/90	9/29/90	9/29/90
Volatile Compound	**OSHA 8 hr. TWA**				
Acetone	1800	ND	ND	77.9R	ND
Hexane	180	ND	ND	129.9J	ND
Benzene	33	ND	ND	39.0R	ND
Toluene	375	ND	ND	26.0R	ND
Tetrachloroethene	–	ND	ND	51.9R	ND
C8-Oxygenated Compound	–	ND	ND	26.0J	ND
Benzaldehyde	–	ND	ND	129.9R	90[3]J
Phenylethanone	–	ND	ND	129.9R	100[3]J
C6-Oxygenated Hydrocarbon	–	ND	ND	116.9J	ND
C9-Oxygenated Alkane	–	ND	ND	389.6J	ND
C9-Alkene	–	ND	ND	26.0J	ND

1 Results are presented in ng/m^3 except for the OSHA time weighted average which is in mg/m^3.
2 This table presents only those compounds identified by the analysis.
3 Results are presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
R Unreliable Results - Analyte may or may not be present in this sample.
ND Not Detected
– No OSHA limit available.

TABLE A3 (CONT'D)
RESULTS OF TENAX VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
(TENTATIVELY IDENTIFIED COMPOUNDS)
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-04-3410	RNS-A0-05-3411	RNS-A0-05-3409	RNS-A0-05-3401
Sample Location		Field Blank	St. 5 Outside Sample	St. 5 Rep. Out. Sample	Field Blank
Volume Air Sampled (m^3)		0.00	0.77	0.39	0.00
Date of Sample Collection		9/10/90	9/27/90	9/27/90	9/27/90
Volatile Compound	**OSHA 8 hr. TWA**				
Acetone	1800	10[3]J	51.9R	102.6R	20[3]J
Toluene	375	ND	26.9R	ND	ND
Benzaldehyde	–	90[3]J	779.2R	1,538R	400[3]J
Nitrogenated Compounds	–	ND	51.9J	ND	ND
Phenylethanone	–	70[3]J	649.3R	1,538R	400[3]J
C8-Alkane	–	ND	77.9J	ND	ND
C9-Oxygenated Alkane	–	ND	389.6J	769.2J	20[3]J
Benzene	33	ND	ND	51.3R	ND
C2-Alkybenzene	–	ND	ND	25.6J	ND
C4-Oxygenated Alkane	–	ND	ND	25.6R	10[3]J
C7-Alkene	–	ND	ND	153.8J	ND
C9-Alkene	–	ND	ND	25.6J	ND
Chlorodifluoroethane	–	ND	ND	ND	30[3]J
C5-Alkane	–	ND	ND	ND	80[3]J
C5-Hydrocarbon	–	ND	ND	ND	50[3]J
Substituted Benzene	–	ND	ND	ND	10[3]J
Mythlene Chloride	1765	ND	ND	ND	40[3]J

1 Results are presented in ng/m^3 except for the OSHA time weighted average which is in mg/m^3.
2 This table presents only those compounds identified by the analysis.
3 Results are presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
R Unreliable Results - Analyte may or may not be present in this sample.
ND Not Detected
– No OSHA limit available.

TABLE A3 (CONT'D)
RESULTS OF TENAX VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
(TENTATIVELY IDENTIFIED COMPOUNDS)
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		NS-A0-05-3405	RNS-A0-06-3415	RNS-A0-06-3419	RNS-A0-06-3403
Sample Location		Trip Blank	St. 6 Outside Sample	St. 6 Dup. Out. Sample	Trip Blank
Volume Air Sampled (m^3)		0.00	0.79	0.79	0.00
Date of Sample Collection		9/27/90	9/29/90	9/29/90	9/29/90
Volatile Compound	OSHA 8 hr. TWA				
Benzaldehyde	–	200[3]J	101.3R	113.9R	30[3]J
Phenylethanone	–	200[3]J	101.3R	75.9R	50[3]J
Acetone	1800	ND	75.9J	88.6J	ND
Benzene	33	10[3]J	50.6R	63.3R	ND
Toluene	375	ND	50.6R	50.6R	ND
C7-Oxygenated Alkane	–	ND	38.0J	50.6J	ND
C10-Cyclic Alkene	–	ND	38.0J	38.0J	ND
C5-Alkene	–	ND	ND	38.0J	ND
C6-Oxygenated Hydrocarbon	–	ND	50.6J	75.9J	ND
C9-Oxygenated Alkane	–	ND	506.3J	759.5J	ND
C9-Alkene	–	ND	ND	38.0J	ND
C5-Alkane	–	ND	50.6R	ND	ND
Substituted Benzene	–	10[3]J	ND	ND	ND

1 Results are presented in ng/m^3 except for the OSHA time weighted average which is in mg/m^3.
2 This table presents only those compounds identified by the analysis.
3 Results are presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
R Unreliable Results - Analyte may or may not be present in this sample.
ND Not Detected
– No OSHA limit available.

TABLE A3 (CONT'D)
RESULTS OF TENAX VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
(TENTATIVELY IDENTIFIED COMPOUNDS)
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-06-3443	RNS-A0-06-3438	RNS-A0-06-3431
Sample Location		St.6 Outside Sample	St. 6 In. Sample of 3405	St. 6 Dup. Out. Sample
Volume Air Sampled (m^3)		0.77	0.77	0.77
Date of Sample Collection		10/27/90	10/27/90	10/27/90
Volatile Compound	**OSHA 8 hr. TWA**			
Benzaldehyde	–	39.0R	ND	ND
Acetone	1800	39.0J	ND	64.9J
Benzene	33	26.0R	ND	26.0R
Toluene	375	26.0R	ND	26.0R
C9-Alkene	–	ND	ND	ND
C5-Alkane	–	39.0R	259.7R	116.9R
C4-Alkane	–	26.0J	26.0J	51.9J
Trichlorofluoromethane	–	129.9R	389.6R	259.7R
C2-Oxygenated Alkane	–	ND	39.0J	ND
Methylene Chloride	1765	26.0R	39.0R	ND
1,2-Dichloroethene	–	39.0R	ND	39.0R
1,1,1-Trichloroethane	–	26.0R	ND	26.0R
Tetrachloroethene	–	ND	ND	13.0R

1 Results are presented in ng/m^3 except for the OSHA time weighted average which is in mg/m^3.
2 This table presents only those compounds identified by the analysis.
3 Results are presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
R Unreliable Results - Analyte may or may not be present in this sample.
ND Not Detected
– No OSHA limit available.

TABLE A3 (CONT'D)
RESULTS OF TENAX VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
(TENTATIVELY IDENTIFIED COMPOUNDS)
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-06-3439	RNS-A0-06-3430
Sample Location		St.6 In. Sample of 3431	Field Blank
Volume Air Sampled (m^3)		0.77	0.00
Date of Sample Collection		10/27/90	10/27/90
Volatile Compound	OSHA 8 hr. TWA		
Benzaldehyde	–	ND	ND
Acetone	1800	ND	ND
Benzene	33	ND	ND
Toluene	375	ND	ND
C9-Alkene	–	ND	ND
C5-Alkane	–	26.0R	ND
C4-Alkane	–	ND	ND
Trichlorofluoromethane	–	129.9R	ND
C2-Oxygenated Alkane	–	ND	ND
Methylene Chloride	1765	ND	ND
1,2-Dichloroethene	–	ND	ND
1,1,1-Trichloroethane	–	ND	ND
Tetrachloroethene	–	ND	ND

1 Results are presented in ng/m^3 except for the OSHA time weighted average which is in mg/m^3.
2 This table presents only those compounds identified by the analysis.
3 Results are presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
R Unreliable Results - Analyte may or may not be present in this sample.
ND Not Detected
– No OSHA limit available.

APPENDIX K - AIR

RESULTS OF CMS HIGHLY VOLATILE ORGANIC COMPOUND SAMPLING

NEASE CHEMICAL COMPANY SITE SALEM, OHIO

TABLE A4
RESULTS OF CMS HIGHLY VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
Ruetgers Nease Superfund Site
, Salem, Ohio

Sample Number		RNS-A0-01-2-024	RNS-A0-01-2-023	RNS-A0-01-2-032	RNS-A0-02-3516
Sample Location		St. 1 Outside Sample	Trip Blank	Field Blank	St. 2 Rep. Outside Sample
Volume Air Sampled (m^3)		0.77	0.00	0.00	0.39
Date of Sample Collection		9/13/90	9/13/90	9/13/90	9/28/90
Volatile Compound	**OSHA 8-hr. TWA**				
Chloromethane	----	ND	ND	ND	UL
Vinyl Chloride	20	ND	ND	ND	UL
Bromomethane	----	ND	ND	ND	UL
Chloroethane	----	ND	ND	ND	UL
cis-1,2-Dichloroethene	790	ND	ND	ND	UL
Carbon Disulfide	12	ND	ND	ND	UL
Methylene Chloride	1765	ND	ND	ND	117.9U
trans-1,2-Dichloroethene	790	ND	ND	ND	UL
1,1-Dichloroethane	400	ND	ND	ND	UL
Vinyl Acetate	30	ND	ND	ND	UL
1,1-Dichloroethene	----	ND	ND	ND	UL
1,1,1-Trichloroethane	1900	ND	ND	ND	74.4J
Benzene	33	ND	ND	ND	UL
1,2-Dichloroethane	----	ND	ND	ND	UL
Toluene	375	ND	ND	ND	UL
Tetrachloroethene	170	ND	ND	ND	UL

1 Results are presented in ng/m^3 except for the OSHA time weighed average which is in mg/m^3.
2 This table presents only those compounds detected by the analysis.
3 Reported as total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not Detected.
-- No OSHA limit available.

TABLE A4 (CONT'D)
RESULTS OF CMS HIGHLY VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-02-3509	RNS-A0-02-3533	RNS-A0-02-3530	RNS-A0-02-3540
Sample Location		St. 2 Rep. Inside Sample of 3516	St. 2 Outside Sample	St. 2 Inside Sample of 3533	St. 2 Dup. Outside Sample
Volume Air Sampled (m^3)		0.39	0.76	0.76	0.76
Date of Sample Collection		9/28/90	10/27/90	10/27/90	10/27/90
Volatile Compound	OSHA 8-hr. TWA				
Chloromethane	-----	UL	ND	ND	ND
Vinyl Chloride	20	UL	ND	ND	ND
Bromomethane	-----	UL	ND	ND	ND
Chloroethane	-----	UL	ND	ND	ND
cis-1,2-Dichloroethene	790	UL	ND	ND	ND
Carbon Disulfide	12	UL	ND	ND	ND
Methylene Chloride	1765	120.5U	16.4U	ND	31.6U
trans-1,2-Dichloroethene	790	UL	ND	ND	ND
1,1-Dichloroethane	400	UL	ND	ND	ND
Vinyl Acetate	30	UL	ND	ND	ND
bi-Dichloroethene	-----	UL	ND	ND	ND
1,1,1-Trichloroethane	1900	30.8U	46.6J	ND	28.9J
Benzene	33	UL	ND	ND	ND
1,2-Dichloroethane	-----	UL	ND	ND	ND
Toluene	375	UL	ND	ND	ND
Tetrachloroethene	170	UL	ND	ND	ND

1 Results are presented in ng/m^3.
2 This table presents only those compounds detected by the analysis.
3 Reported as total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
-- No OSHA limit available.

TABLE A4 (CONT'D)
RESULTS OF CMS HIGHLY VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-02-3537	RNS-A0-02-3534	RNS-A0-02-3541	RNS-A0-03-2-004
Sample Location		St. 2 Inside Sample of 3540	Trip Blank	Field Blank	St. 3 Outside Sample
Volume Air Sampled (m^3)		0.76	0.00	0.00	0.76
Date of Sample Collection		10/27/90	10/27/90	10/27/90	9/10/90
Volatile Compound	**OSHA 8-hr. TWA**				
Chloromethane	-----	ND	ND	ND	ND
Vinyl Chloride	20	ND	ND	ND	ND
Bromomethane	-----	ND	ND	ND	ND
Chloroethane	-----	ND	ND	ND	ND
cis-1,2-Dichloroethene	790	ND	ND	ND	ND
Carbon Disulfide	12	ND	ND	ND	ND
Methylene Chloride	1765	ND	ND	26[3]	ND
trans-1,2-Dichloroethene	790	ND	ND	ND	ND
1,1-Dichloroethane	400	ND	ND	ND	ND
Vinyl Acetate	30	ND	ND	ND	ND
1,1-Dichloroethene	-----	ND	ND	ND	ND
1,1,1-Trichloroethane	1900	ND	ND	ND	ND
Benzene	33	ND	ND	ND	ND
1,2-Dichloroethane	-----	ND	ND	ND	ND
Toluene	375	ND	ND	ND	ND
Tetrachloroethene	170	ND	ND	ND	ND

1 Results are presented in ng/m^3 except for the OSHA time weighted average which is in mg/m^3.
2 This table presents only those compounds identified by the analysis.
3 Reported as total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
-- No OSHA limit available.

TABLE A4 (CONT'D)
RESULTS OF CMS HIGHLY VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-03-2-003	RNS-A0-03-2-007	RNS-A0-03-2-005	RNS-A0-03-2-010
Sample Location		St. 3 Inside Sample of 004	St. 3 Dup. Outside Sample	St. 3 Inside Sample of 007	Trip Blank
Volume Air Sampled (m^3)		0.76	0.77	0.77	0.00
Date of Sample Collection		9/10/90	9/10/90	9/10/90	9/10/90
Volatile Compound	OSHA 8-hr. TWA				
Chloromethane	-----	ND	ND	ND	ND
Vinyl Chloride	20	ND	ND	ND	ND
Bromomethane	-----	ND	ND	ND	ND
Chloroethane	-----	ND	ND	ND	ND
cis-1,2-Dichloroethene	790	ND	ND	ND	ND
Carbon Disulfide	12	ND	ND	ND	ND
Methylene Chloride	1765	ND	ND	13.0U	ND
trans-1,2-Dichloroethene	790	ND	ND	ND	ND
1,1-Dichloroethane	400	ND	ND	ND	ND
Vinyl Acetate	30	ND	ND	ND	ND
1,1-Dichloroethene	-----	ND	ND	ND	ND
1,1,1-Trichloroethane	1900	ND	ND	ND	ND
Benzene	33	ND	ND	ND	ND
1,2-Dichloroethane	-----	ND	ND	ND	ND
Toluene	375	ND	ND	ND	ND
Tetrachloroethene	170	ND	ND	ND	ND

1 Results are presented in ng/m^3 except for the OSHA time weighted average which is in mg/m^3.
2 This table presents only those compounds detected by the analysis.
3 Reported as total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not Detected.
-- OSHA limit not available.

TABLE A4 (CONT'D)
RESULTS OF CMS HIGHLY VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-03-2-021	RNS-A0-04-2-3503	RNS-A0-04-3514	RNS-A0-04-3502
Sample Location		Field Blank	St. 4 Outside Sample	Field Blank	Trip Blank
Volume Air Sampled (m^3)		0.0	.76	0.00	0.0
Date of Sample Collection		9/10/90	9/29/90	9/29/90	9/29/90
Volatile Compound	**OSHA 8-hr. TWA**				
Chloromethane	--	ND	ND	ND	ND
Vinyl Chloride	20	ND	ND	ND	ND
Bromomethane	--	ND	ND	ND	ND
Chloroethane	--	ND	ND	ND	ND
cis-1,1-Dichloroethene	790	ND	ND	ND	ND
Carbon Disulfide	12	ND	ND	ND	ND
Methylene Chloride	1765	ND	ND	ND	ND
trans-1,2-Dichloroethene	790	ND	ND	ND	ND
1,1-Dichloroethane	400	ND	ND	ND	ND
Vinyl Acetate	30	ND	ND	ND	ND
1,1-Dichloroethene	--	ND	ND	ND	ND
1,1,1-Trichloroethane	1900	ND	ND	ND	ND
Benzene	33	ND	ND	ND	ND
1,2-Dichloroethane	--	ND	ND	ND	ND
Toluene	375	ND	ND	ND	ND
Tetrachloroethene	170	ND	ND	ND	ND

1 Results are presented in ng/m^3 except for the OSHA time weighted average which is in mg/m^3.
2 This table presents only those compounds identified by the analysis.
3 Reported as total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, bur the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
-- No OSHA limit available.

TABLE A4 (CONT'D)
RESULTS OF CMS HIGHLY VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-05-3508	RNS-A0-05-3510	RNS-A0-05-3518	RNS-A0-05-3517
Sample Location		St. 5 Outside Sample	St. 5 Rep. Outside Sample	Field Blank	Trip Blank
Volume Air Sampled (m^3)		0.76	.39	0.00	0.00
Volatile Compound	**OSHA 8-hr. TWA**				
Chloromethane	--	ND	ND	ND	ND
Vinyl Chloride	20	ND	ND	ND	ND
Bromomethane	--	ND	ND	ND	ND
Chloroethane	--	ND	ND	R	ND
cis-1,1-Dichloroethene	790	ND	ND	ND	ND
Carbon Disulfide	12	ND	ND	ND	ND
Methylene Chloride	1765	ND	ND	ND	25[3]
trans-1,2-Dichloroethene	790	ND	ND	ND	ND
1,1-Dichloroethane	400	ND	ND	ND	ND
Vinyl Acetate	30	ND	ND	ND	ND
1,1-Dichloroethene	--	ND	ND	ND	ND
1,1,1-Trichloroethane	1900	28.9J	ND	ND	ND
Benzene	33	ND	ND	ND	ND
1,2-Dichloroethane	--	ND	ND	ND	ND
Toluene	375	ND	ND	ND	ND
Tetrachloroethene	170	ND	ND	ND	ND

1 Results are presented in ng/m^3.
2 This table presents only those compounds identified by the analysis.
3 Reported in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, bur the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
-- No OSHA limit available.

TABLE A4 (CONT'D)
RESULTS OF CMS HIGHLY VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-06-3515	RNS-A0-06-3504	RNS-A0-06-3543
Sample Location		St. 6 Outside Sample	St. 6 Dup. Outside Sample	St. 6 Outside Sample
Volume Air Sampled (m^3)		0.76	0.76	0.76
Date of Sample Collection		9/29/90	9/29/90	10/27/90
Volatile Compound	**OSHA 8-hour TWA**			
Chloromethane	--	ND	ND	ND
Vinyl Chloride	20	ND	ND	ND
Bromomethane	--	ND	ND	ND
Chloroethane	--	ND	ND	ND
cis-1,1-Dichloroethene	790	ND	ND	ND
Carbon Disulfide	12	ND	ND	ND
Methylene Chloride	1765	ND	ND	ND
trans-1,2-Dichloroethene	790	ND	ND	ND
1,1-Dichloroethane	400	ND	ND	ND
Vinyl Acetate	30	ND	ND	ND
1,1-Dichloroethene	--	ND	ND	ND
1,1,1-Trichloroethane	1900	ND	ND	28.9
Benzene	33	ND	ND	ND
1,2-Dichloroethane	--	ND	ND	ND
Toluene	375	ND	ND	ND
Tetrachloroethene	170	ND	ND	ND

1 Results are presented in ng/m^3 except for the OSHA time weighted average which is in mg/m^3.
2 This table presents only those compounds identified by the analysis.
3 Reported as total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
-- No OSHA limit available.

TABLE A4 (CONT'D)
RESULTS OF CMS HIGHLY VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-06-3542	RNS-A0-06-3531
Sample Location		St. 6 Inside Sample of 3543	Field Blank
Volume Air Sampled (m^3)		0.76	0.00
Volatile Compound	**OSHA 8-hr. TWA**		
Chloromethane	--	ND	ND
Vinyl Chloride	20	ND	ND
Bromomethane	--	ND	ND
Chloroethane	--	ND	ND
cis-1,1-Dichloroethene	790	ND	ND
Carbon Disulfide	12	ND	ND
Methylene Chloride	1765	ND	ND
trans-1,2-Dichloroethene	790	ND	ND
1,1-Dichloroethane	400	ND	ND
Vinyl Acetate	30	ND	ND
1,1-Dichloroethene	--	ND	ND
1,1,1-Trichloroethane	1900	ND	ND
Benzene	33	ND	ND
1,2-Dichloroethane	--	ND	ND
Toluene	375	ND	ND
Tetrachloroethene	170	ND	ND

1 Results are presented in ng/m^3 except for the OSHA time weighted average which is in mg/m^3.
2 This table presents only those compounds identified by the analysis.
3 Reported as total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, bur the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
-- No OSHA limit available.

APPENDIX K - AIR

RESULTS OF TENTATIVELY IDENTIFIED CMS HIGHLY VOLATILE ORGANIC COMPOUND SAMPLING

NEASE CHEMICAL COMPANY SITE
SALEM, OHIO

TABLE A5
RESULTS OF CMS HIGHLY VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
(TENTATIVELY IDENTIFIED COMPOUNDS)
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-01-2-024	RNS-A0-01-2-023	RNS-A0-01-2-032	RNS-A0-02-3516
Sample Location		St. 1 Outside Sample	Trip Blank	Field Blank	St. 2 Rep. Outside Sample
Volume Air Sampled (m^3)		0.77	0.00	0.00	0.39
Date of Sample Collection		9/13/90	9/13/90	9/13/90	9/28/90
Volatile Compound	OSHA 8-hr. TWA				
C-4 Alkane	-----	ND	ND	ND	76.9J
Trichlorofluoromethane	-----	ND	ND	ND	512.8R
C3-Alkane	-----	ND	ND	ND	25.6J
C5-Alkane	-----	ND	ND	ND	76.9R
Acetone	1800	ND	ND	ND	25.6J
Carbon Tetrachloride	12.6	ND	ND	ND	ND
C2-Nitrogenated Alkane	-----	ND	ND	ND	ND
Dichlorodifluoromethane	4950	ND	ND	ND	ND
Butane	1900	ND	ND	ND	ND
Sulfur Dioxide	5	ND	ND	ND	ND
1,4-Dioxane	90	ND	ND	ND	ND
Oxygneated Hydrocarbon	-----	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	7600	ND	ND	ND	ND

1 Results are presented in ng/m^3 except for the OSHA time weighted average which is in mg/m^3.
2 This table presents only those compounds detected by the analysis.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
-- No OSHA limit available.
R Unreliable results analyte may or may not be present in the sample.

TABLE A5 (Cont'd)
RESULTS OF CMS HIGHLY VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
(TENTATIVELY IDENTIFIED COMPOUNDS)
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-02-3509	RNS-A0-02-3533	RNS-A0-02-3530	RNS-A0-02-3540
Sample Location		St. 2 Rep. Inside Sample of 3516	St.2 Outside Sample	St. 2 Inside Sample of 3533	St. 2 Dup. Outside Sample
Volume Air Sampled (m^3)		0.39	0.76	0.76	0.76
Date of Sample Collection		9/28/90	10/27/90	10/27/90	10/27/90
Volatile Compound	OHSA 8-hr. TWA				
C-4 Alkane	-----	51.3J	ND	ND	ND
Trichlorofluoromethane	-----	256.4R	118.4R	39.5R	263.2R
C3-Alkane	-----	ND	ND	ND	ND
C5-Alkane	-----	ND	ND	ND	ND
Acetone	1800	ND	ND	ND	26.3J
Carbon Tetrachloride	12.6	ND	25.6R	ND	13.2R
C2-Nitrogenated Alkane	-----	ND	ND	ND	ND
Dichlorodifluoromethane	4950	ND	ND	ND	ND
Butane	1900	ND	ND	ND	ND
Sulfur Dioxide	5	ND	ND	ND	ND
1,4-Dioxane	90	ND	ND	ND	ND
Oxygneated Hydrocarbon	-----	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	7600	ND	ND	ND	ND

[1] Results are presented in ng/m^3 except for the OSHA time weighted average which is in mg/m^3.
[2] This table presents only those compounds detected by the analysis.
[3] Results are presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not Detected.
-- No OSHA limit available.
R Unreliable results analyte may or may not be present in the sample.

TABLE A5 (Cont'd)
RESULTS OF CMS HIGHLY VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
(TENTATIVELY IDENTIFIED COMPOUNDS)

Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-02-3537	RNS-A0-02-3534	RNS-A0-02-3541	RNS-A0-03-004
Sample Location		St. 2 Inside Sample of 5340	Trip Blank	Field Blank	St. 3 Outside Sample
Volume Air Sampled (m^3)		0.76	0.00	0.00	0.76
Date of Sample Location		10/27/90	10/27/90	10/27/90	9/10/90
Volatile Compound	**OSHA 8-hr. TWA**				
C-4 Alkane	----	ND	ND	ND	ND
Trichlorofluoromethane	----	ND	20[3]J	200[3]J	ND
C3-Alkane	----	ND	ND	ND	ND
C5-Alkane	----	ND	ND	ND	ND
Acetone	1800	ND	ND	ND	ND
Carbon Tetrachloride	126	ND	ND	ND	ND
C2-Nitrogenated Alkane	----	ND	ND	ND	ND
Dichlorodifluoromethane	4950	ND	ND	ND	ND
Butane	1900	ND	ND	ND	ND
Sulfur Dioxide	5	ND	ND	ND	ND
1,4-Dioxane	90	ND	ND	ND	ND
Oxygneated Hydrocarbon	----	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	7600	ND	ND	ND	ND

1 Results are presented in ng/m^3 except for the OSHA time weighted average which is in mg/m^3.
2 This table presents only those compounds detected by the analysis.
3 Results are presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
R Unreliable results analyte may or may not be present in the sample.

TABLE A5 (Cont'd)
RESULTS OF CMS HIGHLY VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
(TENTATIVELY IDENTIFIED COMPOUNDS)
Reutgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-03-2-021	RNS-A0-04-3503	RNS-A0-04-3514	RNS-AO-04-3502
Sample Location		Field Blank	St. 4 Outside Sample	Field Blank	Trip Blank
Volume Air Sampled (m^3)		0.0	0.76	0.00	0.00
Date of Sample Collection		9/10/90	9/29/90	9/29/90	9/29/90
Volatile Compound	OHSA 8-hr.TWA				
C-4 Alkane	-----	ND	ND	ND	ND
Trichlorofluoromethane	-----	ND	ND	ND	ND
C3-Alkane	-----	ND	ND	ND	ND
C5-Alkane	-----	ND	ND	ND	ND
Acetone	1800	ND	ND	ND	ND
Carbon Tetrachloride	-----	ND	ND	ND	ND
C2-Nitrogenated Alkan	126	ND	ND	ND	ND
Dichlorodifluoromethane	4950	ND	ND	ND	ND
Butane	1900	ND	ND	ND	ND
Sulfur Dioxide	5	ND	ND	ND	ND
1,4-Dioxane	90	ND	ND	ND	ND
Oxygenated Hydrocarbon	-----	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	7600	ND	ND	ND	ND

[1] Results are presented in ng/m3 except for the OSHA time weighted coverage which is in mg/m^3.
[2] This table presents only those compounds identified by the analysis.
[3] Results are presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a smiliar level.
ND Not detected.
-- No OSHA limit available.
R Unreliable results analyte may or may not be present in the sample.

TABLE A5 (Cont'd)
RESULTS OF CMS HIGHLY VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
(TENTATIVELY IDENTIFIED COMPOUNDS)
Reutgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-05-3508	RNS-A0-05-3510	RNS-A0-05-3518	RNS-AO-05-3517
Sample Location		St. 5 Outside Sample	St. 5 Rep. Outside Sample	Field Blank	Trip Blank
Volume Air Sampled (m^3)		0.76	0.39	0.00	0.00
Date of Sample Collection		9/2790	9/27/90	9/27/90	9/27/90
Volatile Compound	OHSA 8-hr. TWA				
C-4 Alkane	-----	ND	ND	ND	ND
Trichlorofluoromethane	-----	ND	ND	ND	ND
C3-Alkane	-----	ND	ND	ND	ND
C5-Alkane	-----	ND	ND	ND	ND
Acetone	1800	13.2J	ND	ND	ND
Carbon Tetrachloride	12.6	ND	ND	ND	ND
C2-Nitrogenated Alkane	-----	ND	ND	ND	ND
Dichlorodifluoromethane	4950	65.8J	ND	ND	ND
Butane	1900	26.3J	ND	ND	ND
Sulfur Dioxide	5	ND	ND	70[3]J	ND
1,4-Dioxane	90	ND	ND	50[3]J	ND
Oxygenated Hydrocarbon	-----	ND	ND	10[3]J	ND
1,1,2-Trichlorotrifluoroethane	7600	ND	ND	ND	ND

[1] Results are presented in ng/m^3 except for the OSHA time weighted average which is in ng/m^3.
[2] This table presents only those compounds identified by the analysis.
[3] Results are presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a smiliar level.
ND Not detected.
-- No OSHA limit available.
R Un reliable results analyte may or may not be present in the sample.

TABLE A5 (Cont'd)
RESULTS OF CMS HIGHLY VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
(TENTATIVELY IDENTIFIED COMPOUNDS)
Reutgers Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-03-2-003	RNS-A0-03-2-007	RND-A0-03-3-005	RNA-A0-03-2-010
Sample Location		St.3 Inside Sample of 004	St.3 Dup. Outside Sample	St.3 Inside Sample of 007	Trip Blank
Volume Air Sampled (m^3)		0.76	0.77	0.77	0.00
Date of Sample Collection		9/10/90	9/10/90	9/10/90	9/10/90
Volatile Compound	**OSHA 8-hr. TWA**				
C-4 Alkane	-----	ND	ND	ND	ND
Trichlorofluoromethane	-----	ND	ND	ND	ND
C3-Alkane	-----	ND	ND	ND	ND
C5-Alkane	-----	ND	ND	ND	ND
Acetone	1800	ND	ND	ND	ND
Carbon Tetrachloride	126	ND	ND	ND	ND
C2-Nitrogenated Alkane	-----	ND	51.9J	ND	ND
Dichlorodifluoromethane	4950	ND	ND	ND	ND
Butane	1900	ND	ND	ND	ND
Sulfur Dioxide	5	ND	ND	ND	ND
1,4-Dioxane	90	ND	ND	ND	ND
Oxygenated Hydrocarbon	-----	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	7600	ND	ND	ND	ND

[1] Results are presented in ng/m^3 except for the OSHA time weighted average which is in mg/m^3.
[2] This table presents only those compounds identified by the analysis.
[3] Results are presented in total nd.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a smiliar level.
ND Not detected.
R Unreliable results analyte may or may not be present in the sample.

TABLE A5 (Cont'd)
RESULTS OF CMS HIGHLY VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
(TENTATIVELY IDENTIFIED COMPOUNDS)
Ruetgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-06-3542	RNS-A0-06-3531
Sample Location		St. 6 Inside Sample of 3543	Field Blank
Volume Air Sampled (m^3)		0.76	0.00
Date of Sample Collection		10/27/90	10/27/90
Volatile Compound	OHSA 8-hr. TWA		
C4- Alkane	-----	ND	ND
Trichlorofluoromethane	-----	ND	ND
C3-Alkane	-----	ND	ND
C5-Alkane	-----	ND	ND
Acetone	1800	ND	ND
Carbon Tetrachloride	126	ND	ND
C2-Nitrogenated Alkane	-----	ND	ND
Dichlorodifluoromethane	4950	ND	ND
Butane	1900	ND	ND
Sulfur Dioxide	5	ND	ND
1,4-Dioxane	90	ND	ND
Oxygenated Hydrocarbon	-----	ND	ND
1,1,2-Trichlorotrifluoroethane	7600	ND	ND

1 Results are presented in ng/m^3 except for the OSHA time weighted average which is in mg/m^3.
2 This table presents only those compounds identified by the analysis.
3 Results are presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
-- No OSHA limit available.
R Unreliable results analyte may or may not be present in the sample.

TABLE A5 (Cont'd)
RESULTS OF CMS HIGHLY VOLATILE ORGANIC COMPOUND SAMPLING[1,2]
(TENTATIVELY IDENTIFIED COMPOUNDS)
Reutgers-Nease Superfund Site
Salem, Ohio

Sample Number		RNS-A0-06-3504	RNS-A0-06-3515	RNS-A0-06-3543
Sample Location		St. 6 Outside Sample	St. 6 Dup. Outside Sample	St. 6 Outside Sample
Volume Air Sampled (m^3)		0.76	0.76	0.76
Date of Sample Collection		9/29/90	9/29/90	10/27/90
Volatile Compound	OHSA 8-hr. TWA			
C-4 Alkane	-----	ND	ND	65.8J
Trichlorofluoromethane	-----	ND	ND	263.2R
C3-Alkane	-----	ND	ND	ND
C5-Alkane	-----	ND	ND	ND
Acetone	1800	ND	ND	26.3J
Carbon Tetrachloride	126	ND	ND	13.2R
C2-Nitrogenated Alkane	-----	ND	ND	ND
Dichlorodifluoromethane	4950	ND	ND	ND
Butane	1900	ND	ND	ND
Sulfur Dioxide	5	ND	ND	ND
1,4-Dioxane	90	ND	ND	ND
Oxygenated Hydrocarbon	-----	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	7600	ND	ND	26.3J

[1] Results are presented in ng/m^3 except for the OSHA time weighted average which is in $mg/^3$.
[2] This table presents only those compounds identified by the analysis.
[3] Results are presented in total ng.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
UL This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
U This compound should be considered "not detected" since it was detected in a blank at a smiliar level.
ND Not detected.
-- No OSHA limit available.
R Unreliable results analyte may or may not be present in the sample.

APPENDIX K - AIR

RESULTS OF XAD-2 SEMIVOLATILE ORGANIC COMPOUND SAMPLING

NEASE CHEMICAL COMPANY SITE SALEM, OHIO

TABLE A6

RESULTS OF XAD-2 SEMI-VOLATILE ORGANIC COMPOUND SAMPLING[1,2]

Ruetgers-Nease Superfund Site
Salem, Ohio

Station Number		RNS-AO-01-3-022	RNS-AO-01-3-026	RNS-AO-01-3-025	RNS-AO-02-3-037
Sample Location		St. 1 Outside Sample	Field Blank	Trip Blank	St. 2 Outside Sample
Volume Air Sample (m^3)		0.51	0.00	0.00	0.51
Date of Sample Collection		9/13/90	9/13/90	9/13/90	9/28/90
Semi-volatile Compound	OSHA 8-hour TWA				
bis-(2-Ethylhexyl) Phthalate	--	4,100	ND	ND	ND
N-Nitrosodiphenylamine	--	ND	ND	ND	ND

1 Results presented in ng/m^3.
2 This table presents only those compounds detected by the analysis.
3 Results presented in total ng.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
-- No OSHA limit available.

TABLE A6 (CONT'D)

RESULTS OF XAD-2 SEMI-VOLATILE ORGANIC COMPOUND SAMPLING[1,2]

Ruetgers-Nese Superfund Site
Salem, Ohio

Station Number		RNS-AO-02-3-036	RNS-AO-02-3-039	RNS-AO-02-3-038	RNS-AO-02-3-040
Sample Location		St. 1 Inside Sample of 031	St. 2 Dup. Outside Sample	St. 2 Inside Sample of 039	Field Blank
Volume Air Sample (m^3)		0.51	0.25	0.25	0.00
Date of Sample Collection		9/28/90	9/28/90	9/28/90	9/28/90
Semi-volatile Compound	OSHA 8-hour TWA				
bis-(2-Ethylhexyl) Phthalate	--	ND	ND	ND	ND
N-Nitrosodiphenylamine	--	ND	ND	ND	ND

1 Results presented in ng/m^3.
2 This table presents only those compounds detected by the analysis.
3 Results presented in total ng.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
-- No OSHA limit available.

TABLE A6 (CONT'D)

RESULTS OF XAD-2 SEMI-VOLATILE ORGANIC COMPOUND SAMPLING[1,2]

Ruetgers-Nease Superfund Site
Salem, Ohio

Station Number		RNS-AO-02-3-041	RNS-AO-03-3-004	RNS-AO-03-3-003	RNS-AO-03-3-006
Sample Location		Trip Blank	St. 3 Outside Sample	St. 3 Inside Sample of 004	St. 3 Dup. Outside Sample
Volume Air Sample (m^3)		0.00	0.51	0.51	0.51
Date of Sample Collection		9/28/90	9/10/90	9/10/90	9/10/90
Semi-volatile Compound	OSHA 8-hour TWA				
bis-(2-Ethylhexyl) Phthalate	--	ND	5,100U	2,500U	2,400U
N-Nitrosodiphenylamine	--	ND	ND	2,200J	ND

1 Results presented in ng/m^3.
2 This table presents only those compounds detected by the analysis.
3 Results presented in total ng.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
-- No OSHA limit available.

TABLE A6 (CONT'D)

RESULTS OF XAD-2 SEMI-VOLATILE ORGANIC COMPOUND SAMPLING[1,3]

Ruetgers-Nease Superfund Site
Salem, Ohio

Station Number		RNS-AO-03-3-005	RNS-AO-03-3-007	RNS-AO-03-3-008	RNS-AO-04-3-042
Sample Location		St.3 Inside Sample of 006	Field Blank	Trip Blank	St. 4 Outside Sample
Volume Air Sample (m^3)		0.00	0.51	0.51	0.51
Date of Sample Collection		9/28/90	9/10/90	9/10/90	9/10/90
Semi-volatile Compound	OSHA 8-hour TWA				
bis-(2-Ethylhexyl) Phthalate	--	6,300U	1,900J[3]	3,000J[3]	ND
N-Nitrosodiphenylamine	--	ND	ND	ND	ND

1 Results presented in ng/m^3.
2 This table presents only those compounds detected by the analysis.
3 Results presented in total ng.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
-- No OSHA limit available.

TABLE A6 (CONT'D)

RESULTS OF XAD-2 SEMI-VOLATILE ORGANIC COMPOUND SAMPLING[1,2]

Ruetgers-Nease Superfund Site
Salem, Ohio

Station Number		RNS-AO-04-3-043	RNS-AO-04-3-044	RNS-AO-05-3-034	RNS-AO-05-3-030
Sample Location		Field Blank	Trip Blank	St. 5 Rep. Outside Sample	Field Blank
Volume Air Sample (m^3)		0.00	0.00	0.26	0.00
Date of Sample Collection		9/29/90	9/29/90	9/27/90	9/27/90
Semi-volatile Compound	**OSHA 8-hour TWA**				
bis-(2-Ethylhexyl) Phthalate	--	ND	ND	ND	ND
N-Nitrosodiphenylamine	--	ND	ND	ND	ND

1 Results presented in ng/m^3.
2 This table presents only those compounds detected by the analysis.
3 Results presented in total ng.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
-- No OSHA limit available.

TABLE A6 (CONT'D)

RESULTS OF XAD-2 SEMI-VOLATILE ORGANIC COMPOUND SAMPLING[1,2]

Ruetgers-Nease Superfund Site
Salem, Ohio

Station Number		RNS-AO-05-3-035	RNS-AO-06-3-012	RNS-AO-06-3-014
Sample Location		Trip Blank	St. 6 Outside Sample	St. 6 Dup. Outside Sample
Volume Air Sample (m^3)		0.00	0.51	0.51
Date of Sample Collection		9/27/90	9/11/90	9/11/90
Semi-volatile Compound	**OSHA 8-hour TWA**			
bis-(2-Ethylhexyl) Phthalate	--	4,100[3]	10,400	25,500
N-Nitrosodiphenylamine	--	ND	ND	ND

1 Results presented in ng/m^3.
2 This table presents only those compounds detected by the analysis.
3 Results presented in total ng.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
-- No OSHA limit available.

TABLE A6 (CONT'D)

RESULTS OF XAD-2 SEMI-VOLATILE ORGANIC COMPOUND SAMPLING[1,2]

Ruetgers-Nease Superfund Site
Salem, Ohio

Station Number		**RNS-AO-06-3-011**	**RNS-AO-06-3-009**
Sample Location		**Field Blank**	**Trip Blank**
Volume Air Sample (m^3)		**0.00**	**0.00**
Date of Sample Collection		**9/11/90**	**9/11/90**
Semi-volatile Compound	**OSHA 8-hour TWA**		
bis-(2-Ethylhexyl) Phthalate	--	9,000J[3]	6,200J[3]
N-Nitrosodiphenylamine	--	ND	ND

1 Results presented in ng/m^3.
2 This table presents only those compounds detected by the analysis.
3 Results presented in total ng.
U This compound should be considered "not detected" since it was detected in a blank at a similar level.
ND Not detected.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
-- No OSHA limit available.

APPENDIX K - AIR

RESULTS OF PUF PESTICIDE SAMPLING

NEASE CHEMICAL COMPANY SITE
SALEM, OHIO

TABLE A7

RESULTS OF PUF PESTICIDE SAMPLING
Ruetgers-Nease Superfund Site[1]

Sample Number	Date of Sampling Completion	m^3 of air Sampled	Photomirex (ng/m^3)	Mirex (ng/m^3)	delta-BHC (ng/m^3)[2]	alpha-BHC (ng/m^3)	Heptachlor Epoxide (ng/m^3)
RNS-AO/AP-01-4-005 Station 1	9/14/90	332.0	1.04J	4.88J			
RNS-AO/AP-02-4-008 Station 2	9/29/90	336.0	1.21J	7.02J			
RNS-AO/AP-03-4-001 Station 3	9/11/90	332.0	4.28J	20.72J		1.72R	0.81R
RNS-A01AP-034-4-002 duplicate Station 3	9/11/90	332.0	4.52J	22.53J		1.66R	
RNS-AO/AP-04-4-006 Station 4	9/14/90	332.0	5.63J	46.99J	1.42R		
RNS-AO/AP-05-4-00 Station 5	9/27/90	339.0	0.87J	20.18J			
RNS-AO/AP-06-4-003 Station 6	9/12/90	335.3	2.62J	16.76J		2.14R	
RNS-AO/AP-06-4-004 Station 6 Duplicate	9/12/90	336.8	3.83J	32.36J		2.35R	

1 This table presents only those compounds detected by the analysis.
2 The OSHA times weighted 8-hr averages for delta-BHC is 0.5 mg/m^3.
J Quantitation is approximate due to limitations identified during the quality control review (data validation).
R Unreliable result - Analyte may or may not be present in this sample.

APPENDIX K - AIR

AMBIENT AIR PARTICULATE RESULTS

NEASE CHEMICAL COMPANY SITE
SALEM, OHIO

TABLE A8

AMBIENT AIR PARTICULATE RESULTS

Ruetgers-Nease Superfund Site

Station	Date/TimeSampling Completion	Filter Weight Gain (mg)	Volume Air Sampled(m^3)	Concentration (mg/m^3)
1	9/14/90, 0948	84.1	2035	41.3
2	9/24/90, 1250	94.5	2035	46.4
3	9/11/90, 1142	37.7*	2035	18.5*
4	9/14/90, 1118	80.1	2035	39.4
6	9/12/90, 1545	87.6	2035	43.0
6 duplicate	9/12/90, 1550	85.7	2035	42.1

* A front passed through with rain 24-hours prior to commencement of sampling at this station.

NOTE: The total suspended particulate 24-hour primary and secondary standards are 260 ug/m^3 and 150 $\mu g/m^3$, respectively.

APPENDIX K - AIR

LABORATORY DATA AND
QUALITY ASSURANCE/QUALITY CONTROL VALIDATION

NEASE CHEMICAL COMPANY SITE
SALEM, OHIO

APPENDIX L

Aquifer Slug Test Results and Analysis

(Slug Test Analyses by Hvorslev Method)

Hvorslev equation for Ruetgers-Nease, Salem Slug Testing

kh = (d ^ 2 ln(2mL))/(8LT)

WHERE:
kh = Horizontal Hydraulic Conductivity in cm/sec
d = Diameter of the intake in cm
m = Transformation ratio
L = Length of intake in cm
T = Basic time lag in seconds

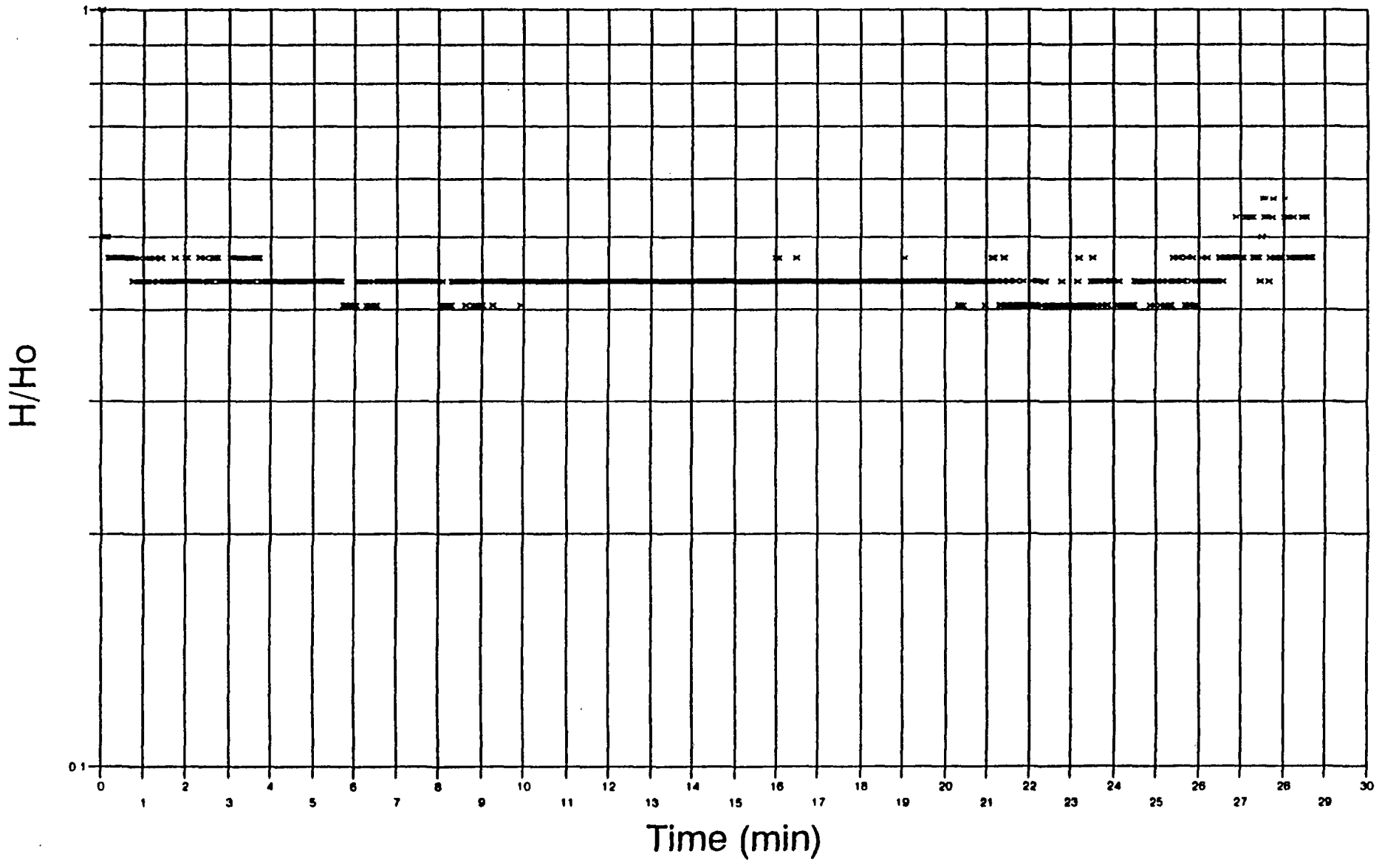
ASSUMPTIONS:
Soil at intake, infinite depth, and directional isotropy.
No disturbance,segregation, swelling or consolidation of soil
No sedimentation or leakage
No air or gas in soil, well point, or pipe.
Hydraulic losses in pipes, well point, or filter negligible.

WELL #	INTAKE LENGTH (ft)	INTAKE LENGTH (cm)	INTAKE DIAMETER (in)	INTAKE DIAMETER (cm)	TIME LAG (min)	TIME LAG (sec)	HYDRAULIC CONDUCTIVITY (cm/sec)	HYDRAULIC CONDUCTIVITY (ft/day)
S-4	7.75	236.22	9	22.86	14	840	4.92E-05	1.40E-01
S-6	6.25	190.5	9	22.86	33	1980	2.41E-05	6.82E-02
S-7	6.5	198.12	9	22.86	10	600	7.74E-05	2.19E-01
S-9	10	304.8	9	22.86	270	16200	2.15E-06	6.08E-03
S-12	9.2	280.416	9	22.86	19.5	1170	3.15E-05	8.92E-02
S-15	6	182.88	9	22.86	1.1	66	7.41E-04	2.10E+00
S-16	9	274.32	9	22.86	1.2	72	5.19E-04	1.47E+00
S-17	6.4	195.072	9	22.86	1.2	72	6.52E-04	1.85E+00
S-19	7	213.36	9	22.86	3	180	2.46E-04	6.97E-01
D-1	8.5	259.08	5.5	13.97	2.75	165	2.73E-04	7.73E-01
D-3	7.5	228.6	5.5	13.97	0.76	45.6	1.08E-03	3.06E+00
D-4	9	274.32	5.5	13.97	9.5	570	7.57E-05	2.15E-01
D-8	6.7	204.216	5.5	13.97	1.6	96	5.55E-04	1.57E+00
D-9	11.5	350.52	5.5	13.97	0.175	10.5	3.43E-03	9.73E+00
D-10	10.5	320.04	5.5	13.97	54	3240	1.19E-05	3.37E-02
D-11	12	365.76	3.5	8.89	13	780	4.99E-05	1.41E-01
D-12	9.5	289.56	3.5	8.89	28	1680	2.77E-05	7.85E-02
D-13	10.5	320.04	3.5	8.89	4.75	285	1.51E-04	4.29E-01
D-14	40.5	1234.44	5.5	13.97	0.375	22.5	6.01E-04	[illegible]70E+00
D-15	13.5	411.48	5.5	13.97	10.25	615	5.20E-05	1.47E-01
D-16	34	1036.32	5.5	13.97	2	120	1.30E-04	3.68E-01
D-17	7	213.36	5.5	13.97	89	5340	9.68E-06	2.74E-02
A-UB	14	426.72	5.5	13.97	1.25	75	4.15E-04	[illegible].18E+00
B-S	13.5	411.48	9	22.86	2.4	144	1.95E-04	5.53E-01
C-S	15	457.2	9	22.86	3.75	225	1.16E-04	3.28E-01
C-UB	15.7	478.536	7.92	20.1168	6.75	405	6.43E-05	1.82E-01
D-VF2	10	304.8	9	22.86	0.75	45	7.72E-04	2.19E+00
D-VF3	9	274.32	9	22.86	1.25	75	4.98E-04	[illegible].41E+00
E-VF1	9.5	289.56	9	22.86	0.12	7.2	5.00E-03	1.42E+01
E-VF2	14	426.72	9	22.86	18	1080	2.53E-05	7.18E-02
E-VF3	14	426.72	4.5	11.43	0.4	24	1.36E-03	3.85E+00
E-VF4	7	213.36	9	22.86	2.1	126	3.51E-04	9.96E-01
E-LB	15.5	472.44	4.5	11.43	1.25	75	4.02E-04	1.14E+00
F-VF3	17	518.16	4.5	11.43	1.1	66	4.25E-04	1.21E+00
F-VF4	15	457.2	4.5	11.43	6	360	8.59E-05	2.43E-01
F-VF6	16	487.68	3.5	8.89	16.5	990	3.14E-05	8.90E-02
F-LB	15	457.2	4.75	12.065	0.3	18	1.70E-03	4.81E+00
G-UB	14.5	441.96	5.5	13.97	0.275	16.5	1.83E-03	5.20E+00
H-S	9	274.32	9	22.86	0.275	16.5	2.26E-03	6.42E+00
H-UB	14.5	441.96	5.5	13.97	0.12	7.2	4.20E-03	[illegible].19E+01
I-I	12	365.76	5.5	13.97	0.6	36	9.70E-04	2.75E+00
I-UB	14.5	441.96	5.5	13.97	29	1740	1.74E-05	4.93E-02
J-VF3	13.5	411.48	5.5	13.97	0.75	45	7.10E-04	2.01E+00
J-VF4	14	426.72	9	22.86	2.1	126	2.17E-04	6.16E-01
J-LB	17	518.16	5.5	13.97	0.325	19.5	1.37E-03	3.90E+00
K-VF2	18.5	563.88	9	22.86	2.75	165	1.35E-04	3.83E-01
K-VF4	13	396.24	9	22.86	2.6	156	1.85E-04	5.25E-01
K-LB	19	579.12	7.92	20.1168	2	120	1.88E-04	5.33E-01
L-VF2	14	426.72	9	22.86	195	11700	2.34E-06	6.63E-03
L-LB	17	518.16	5.5	13.97	19.5	1170	2.29E-05	6.50E-02

G:\project\202-01\202-01-7\aquifer\slug\hvorslev.wq!

Hvorslev Method

S-3



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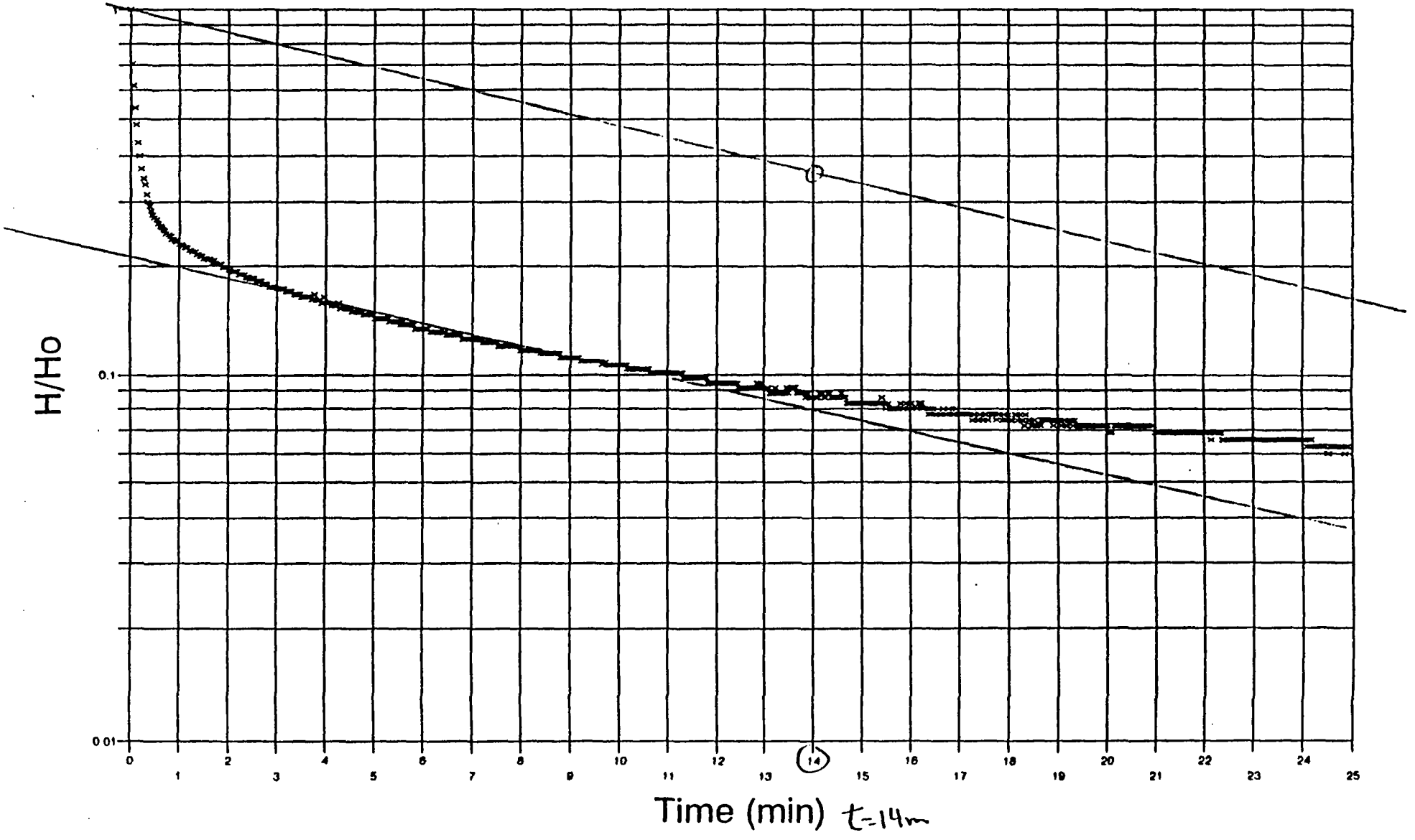

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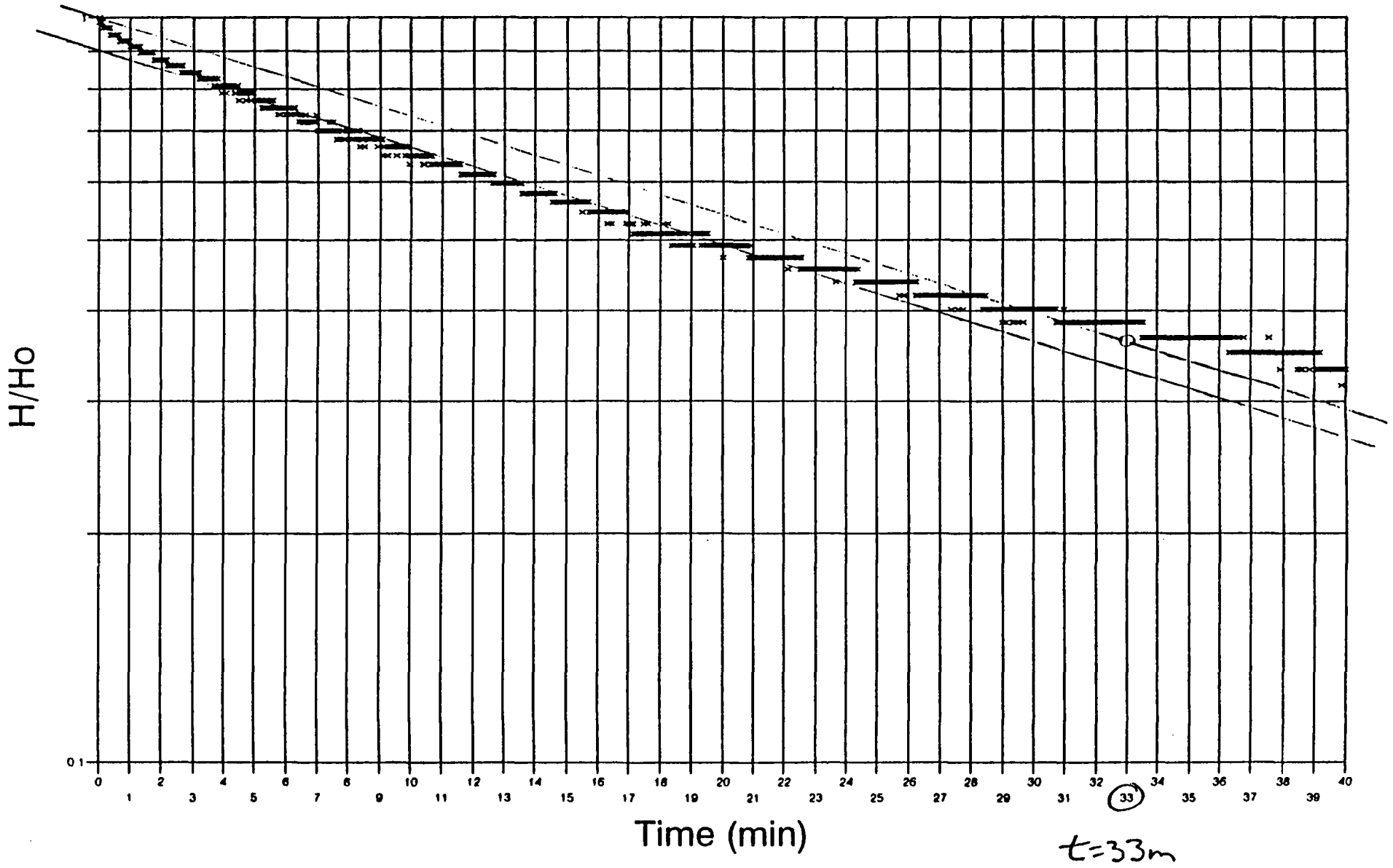

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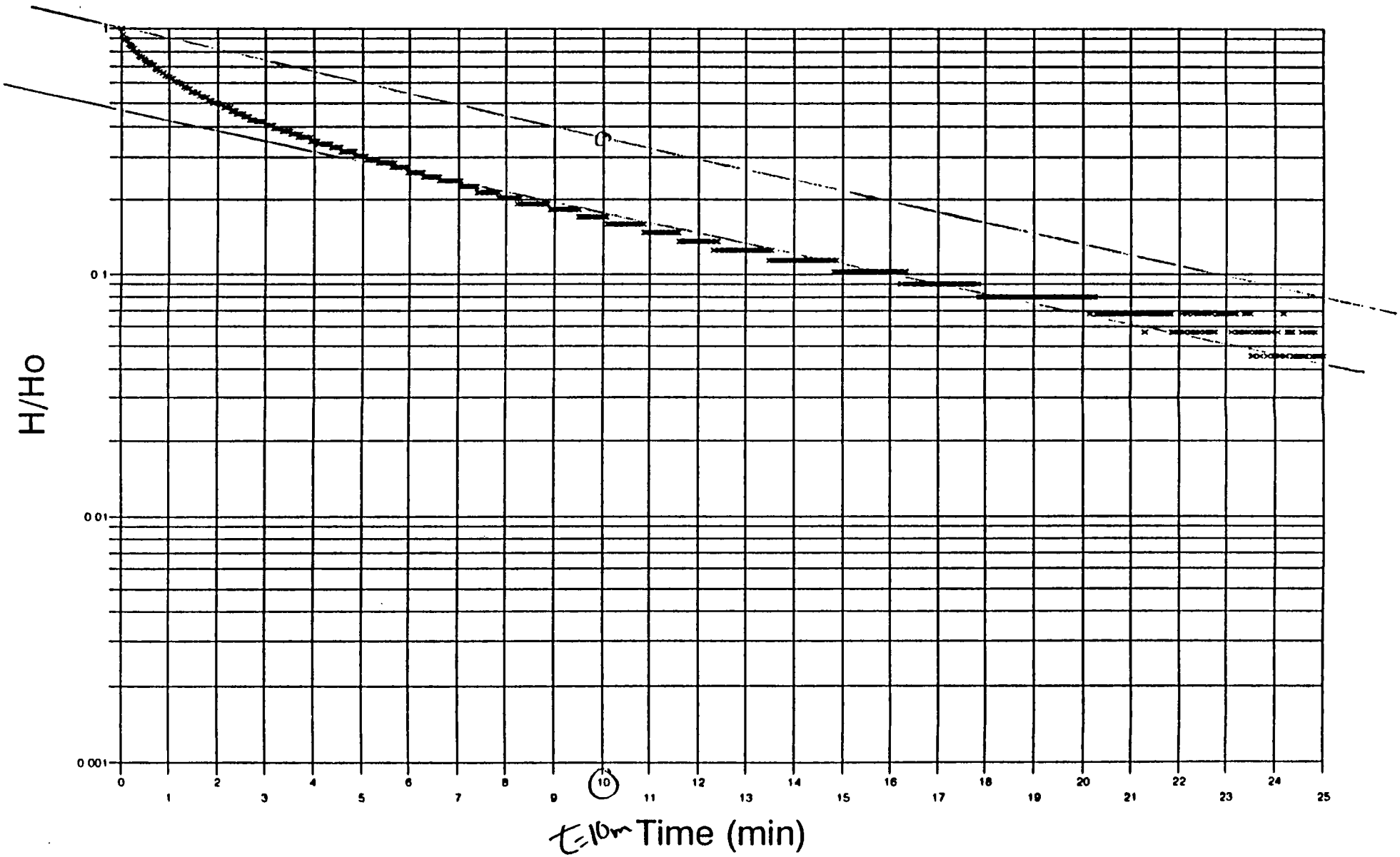

Hvorslev Method

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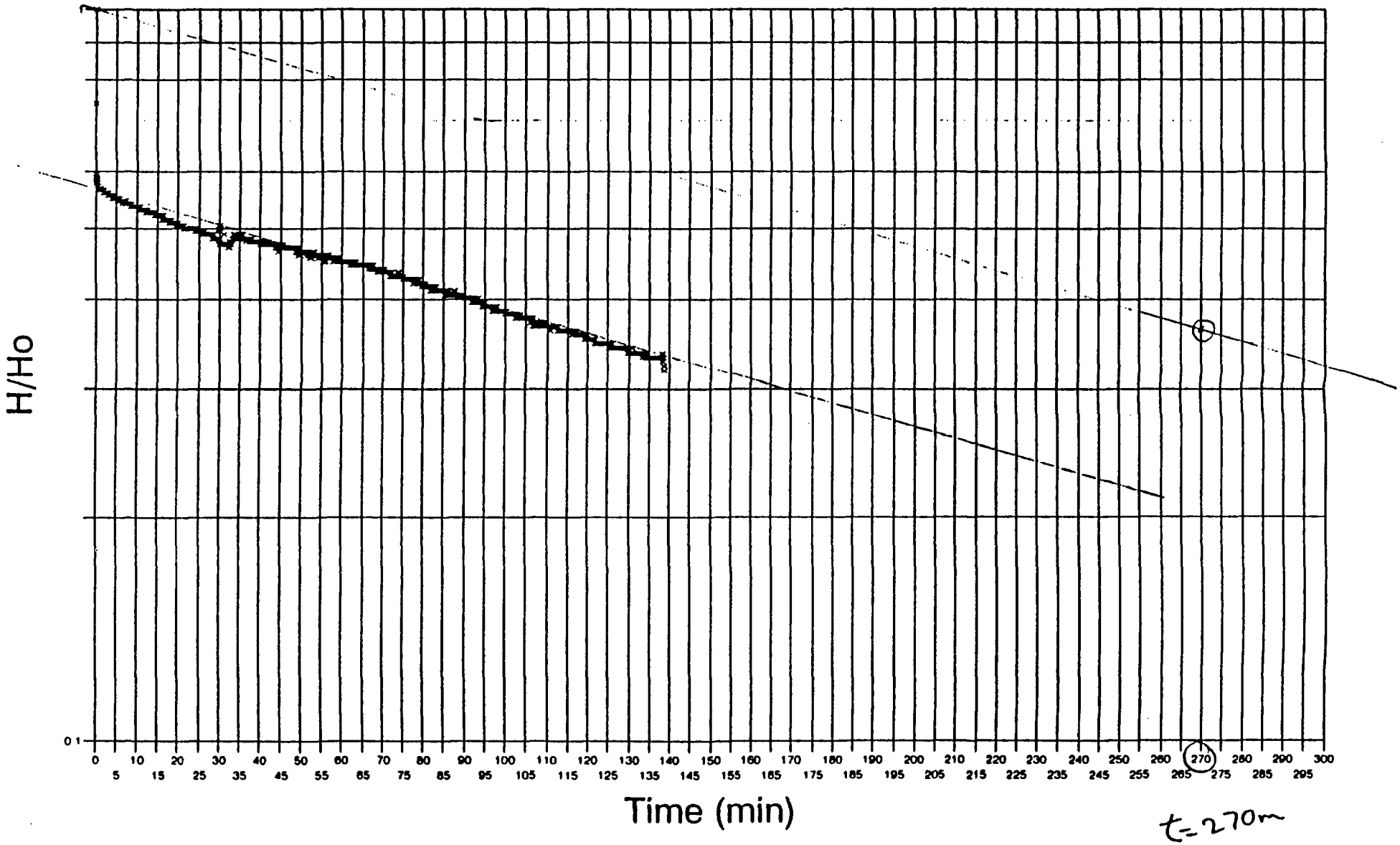

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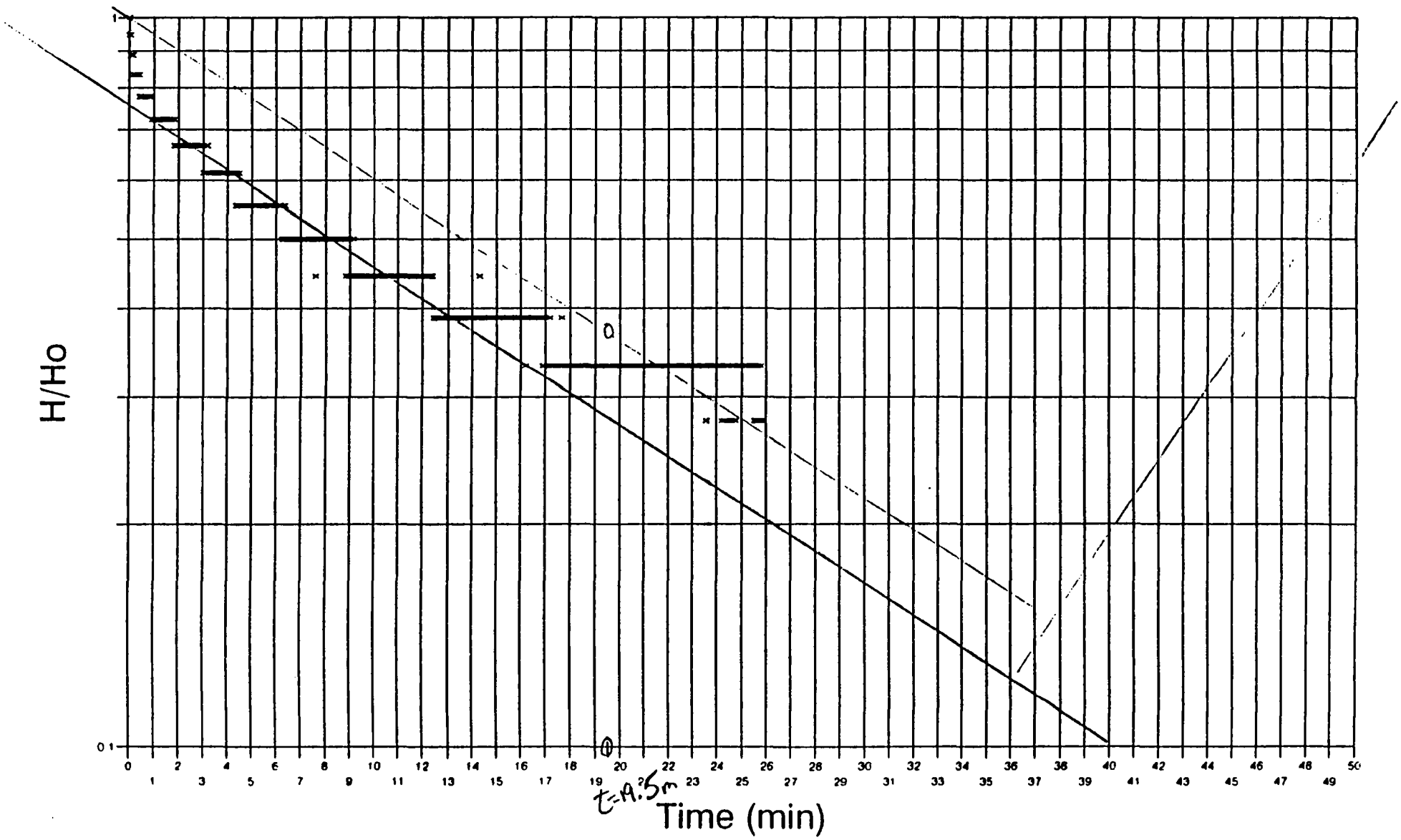

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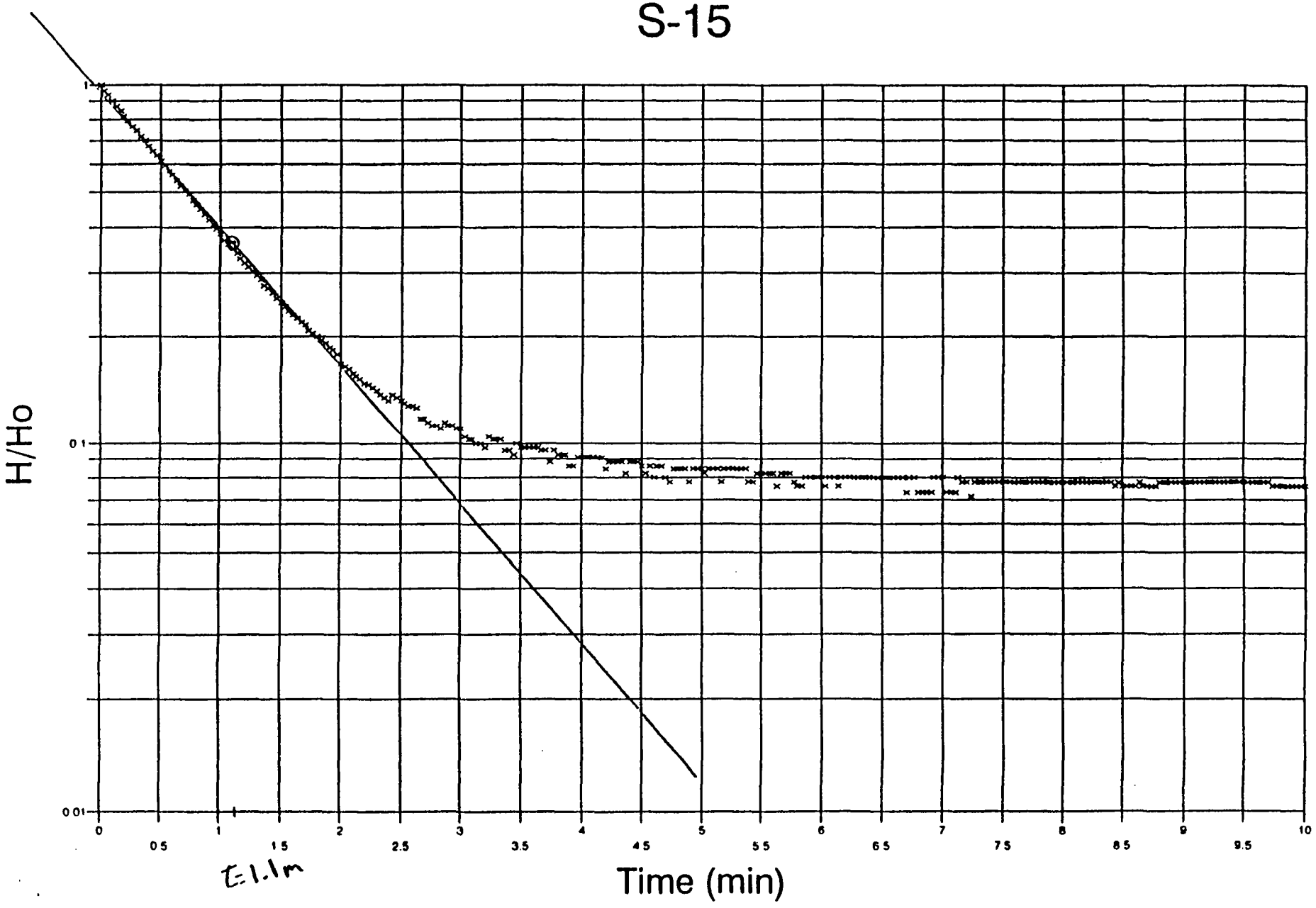

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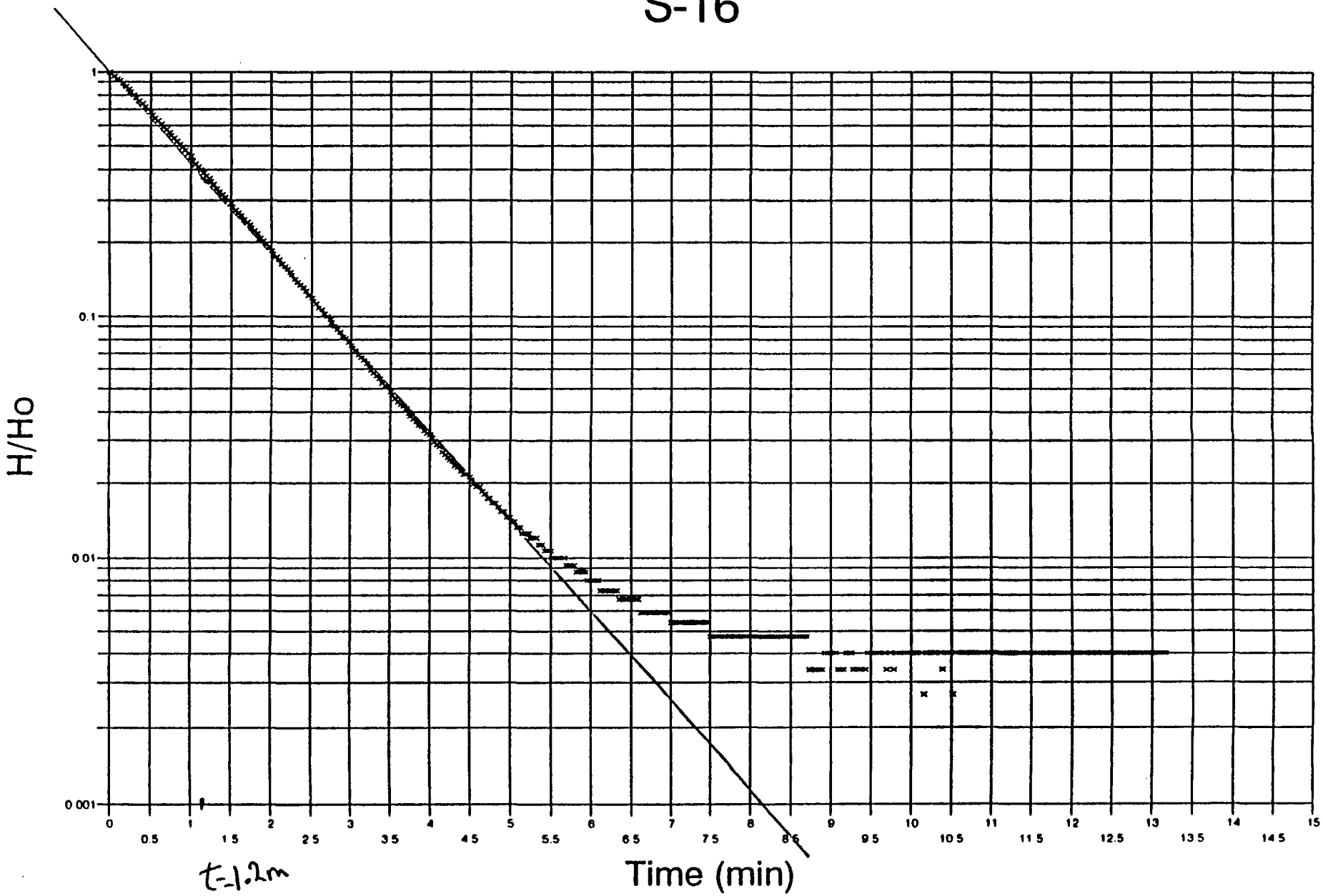

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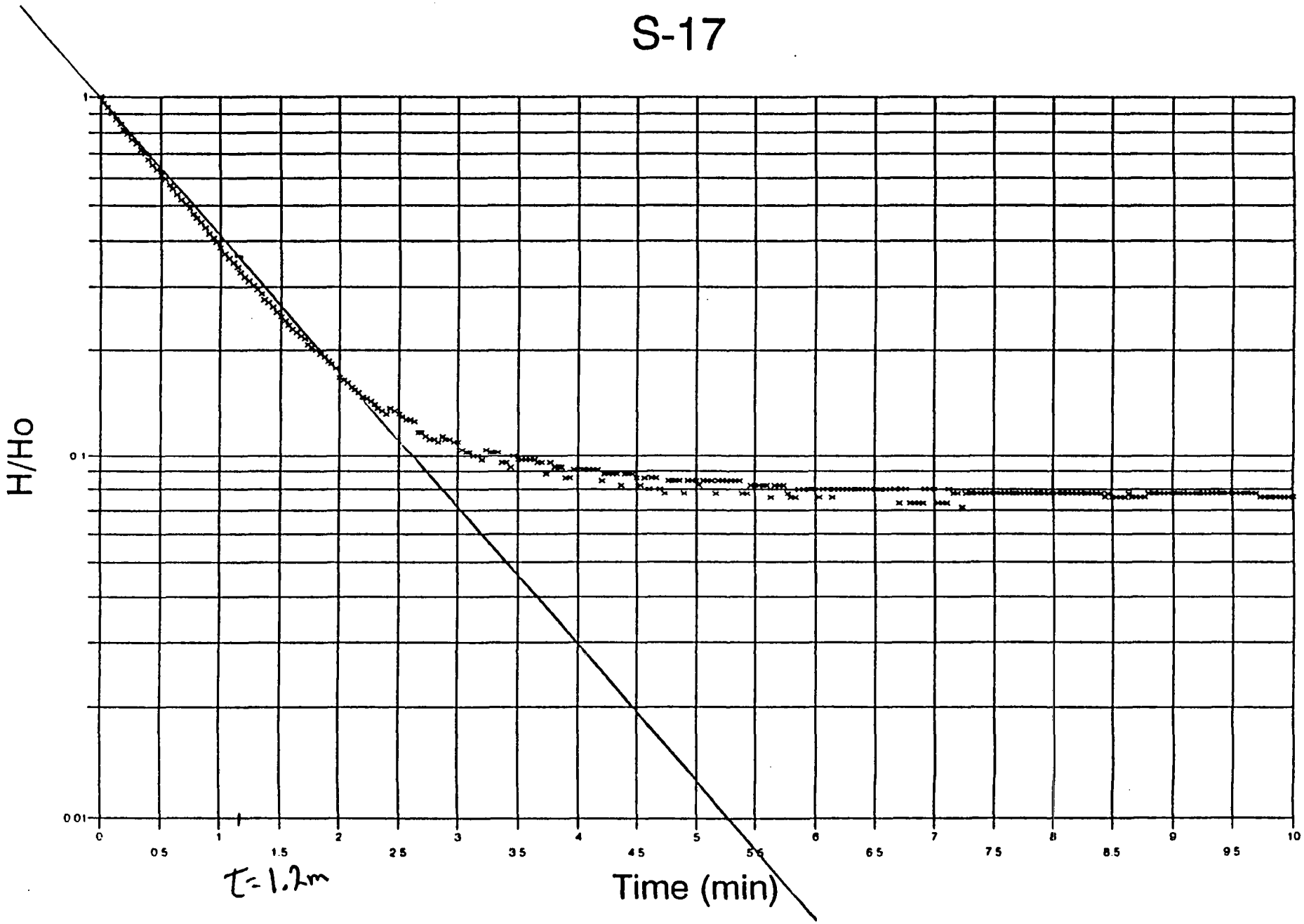

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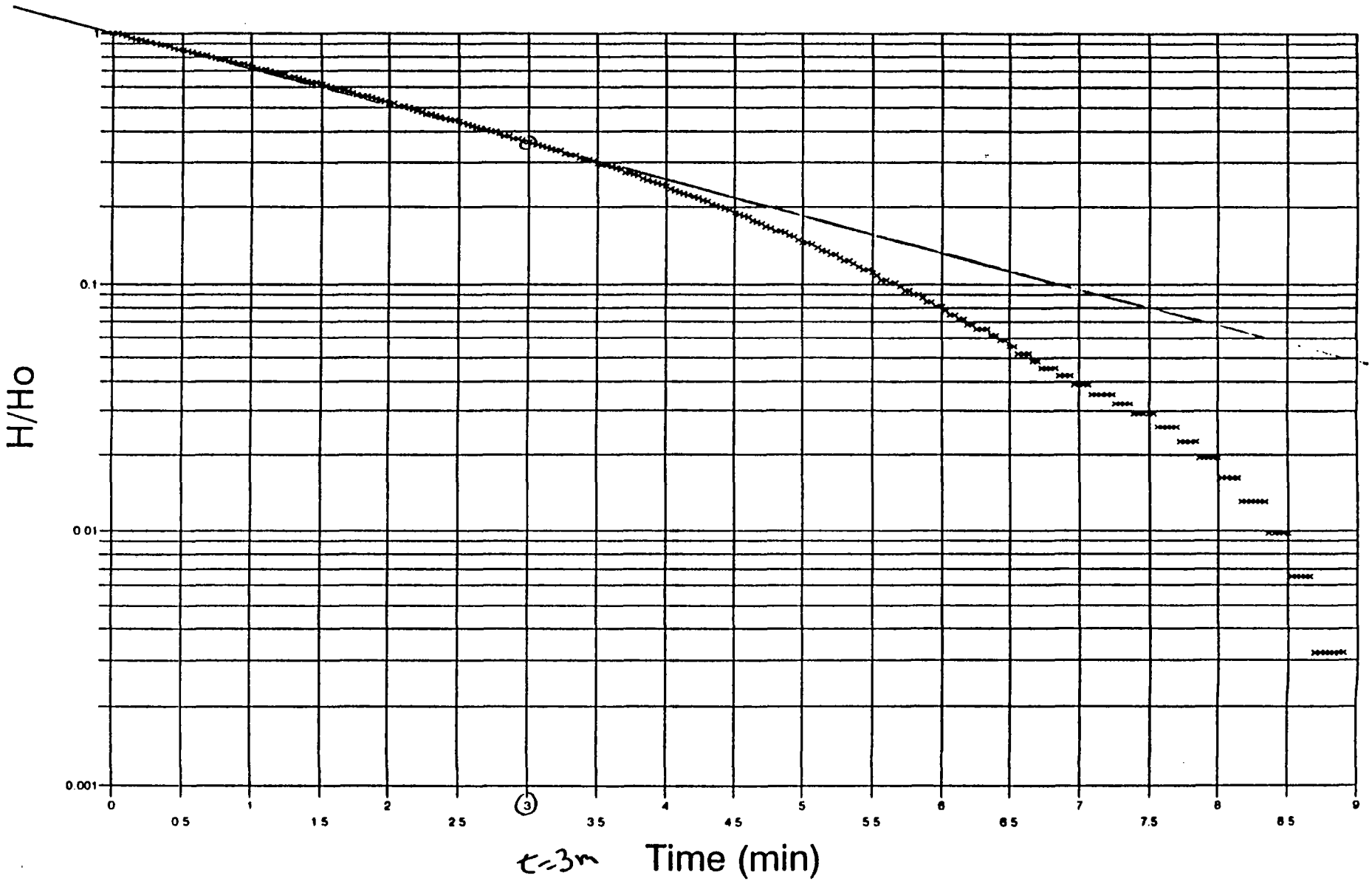

Hvorslev Method

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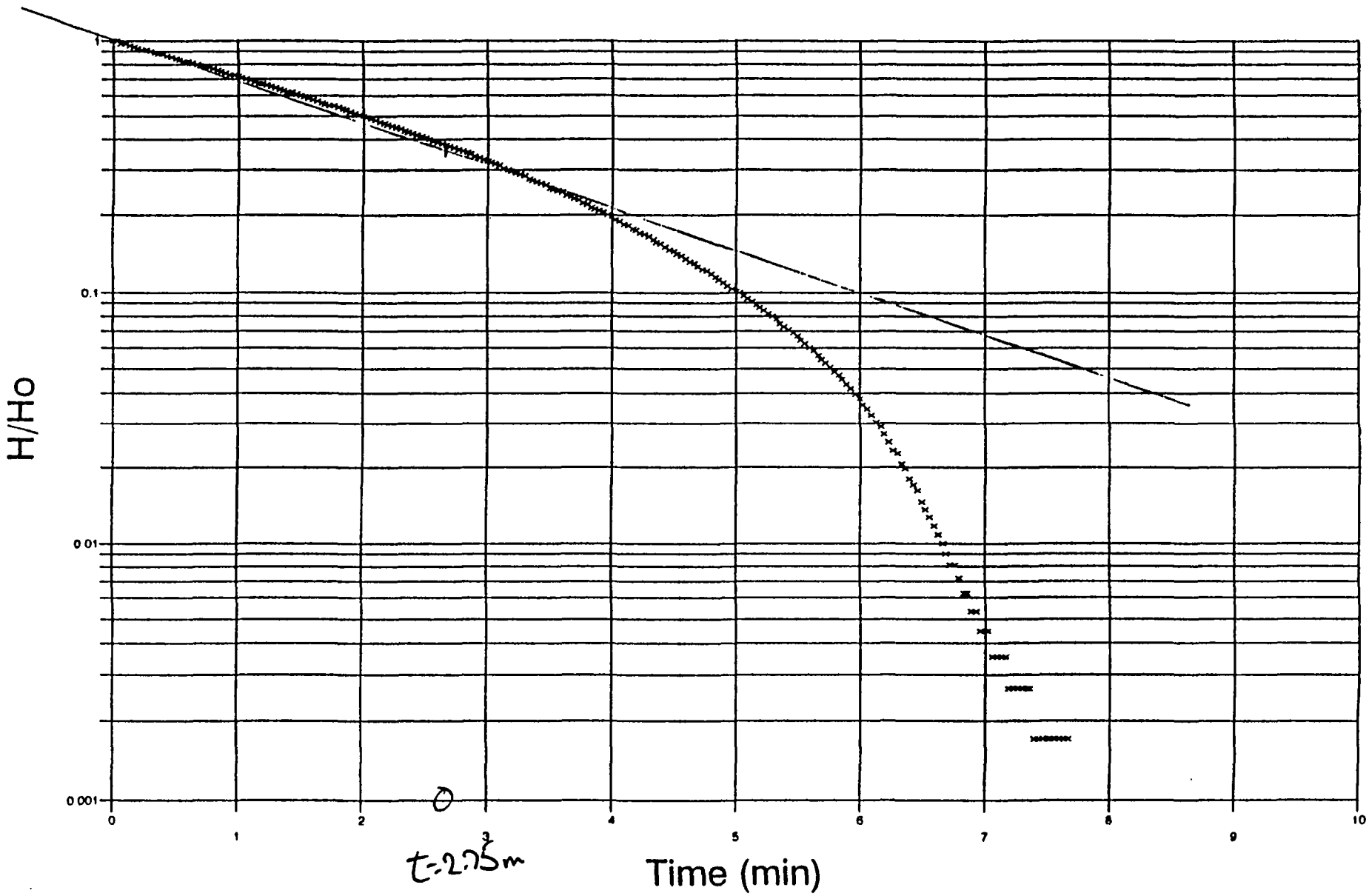

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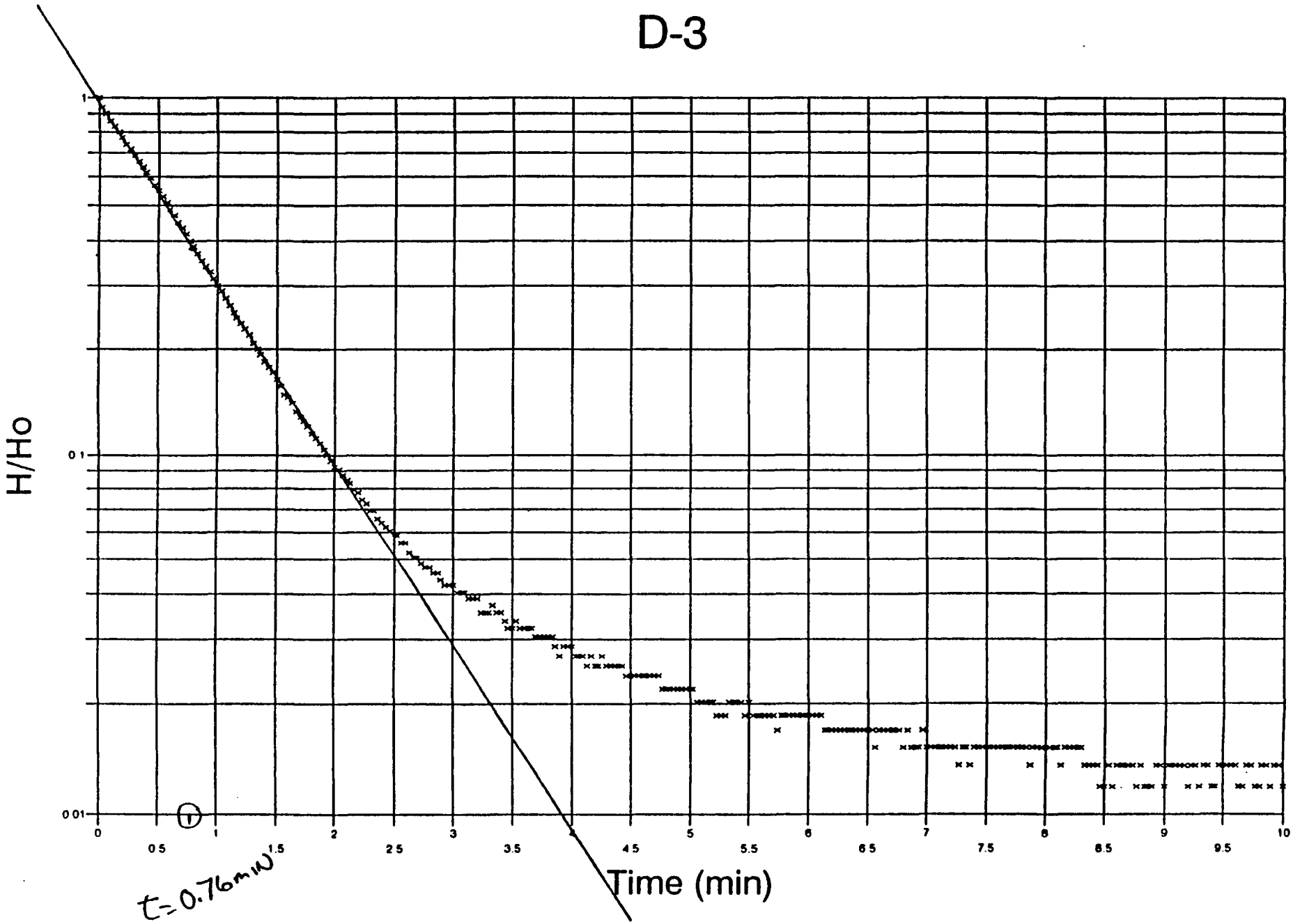

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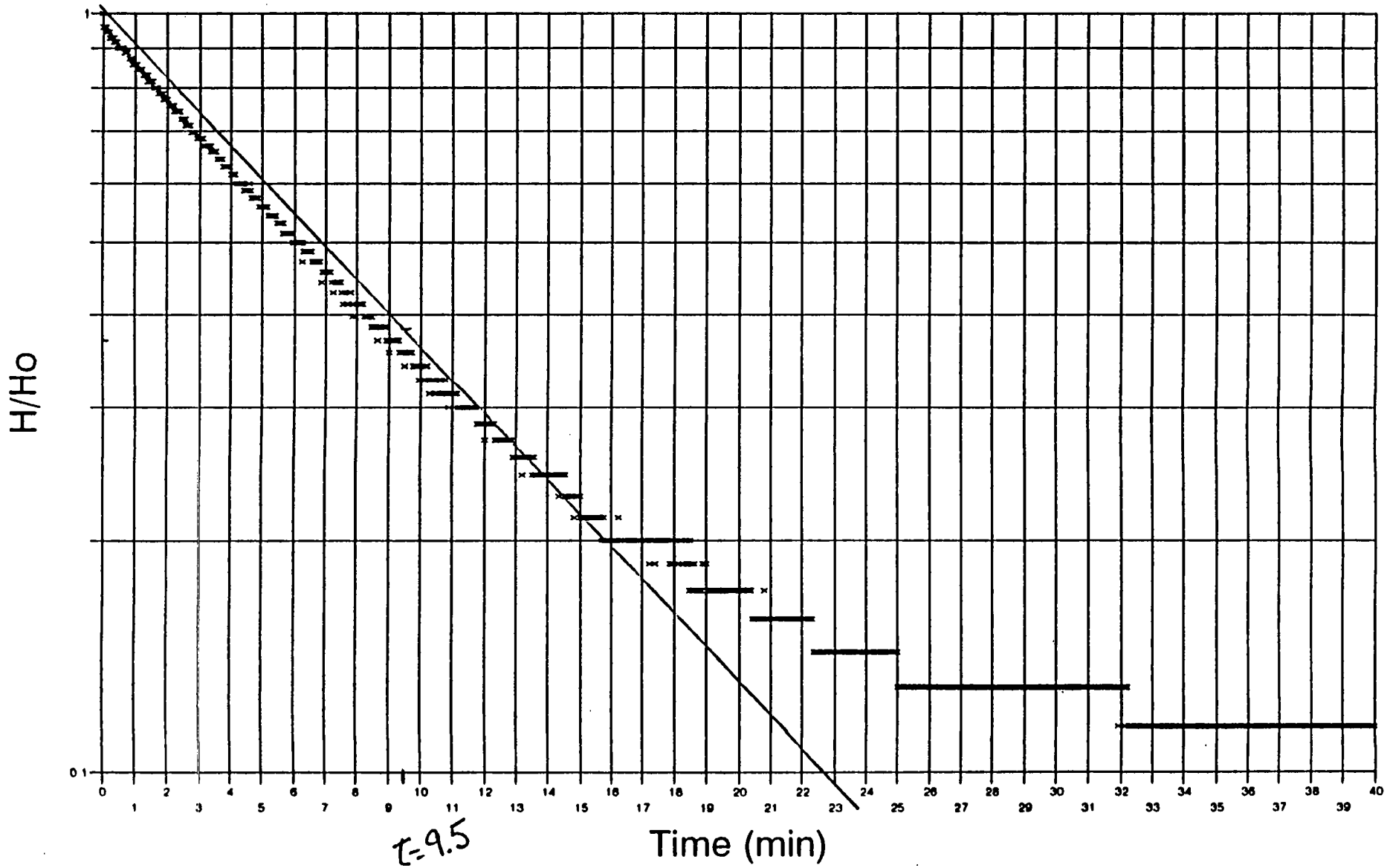

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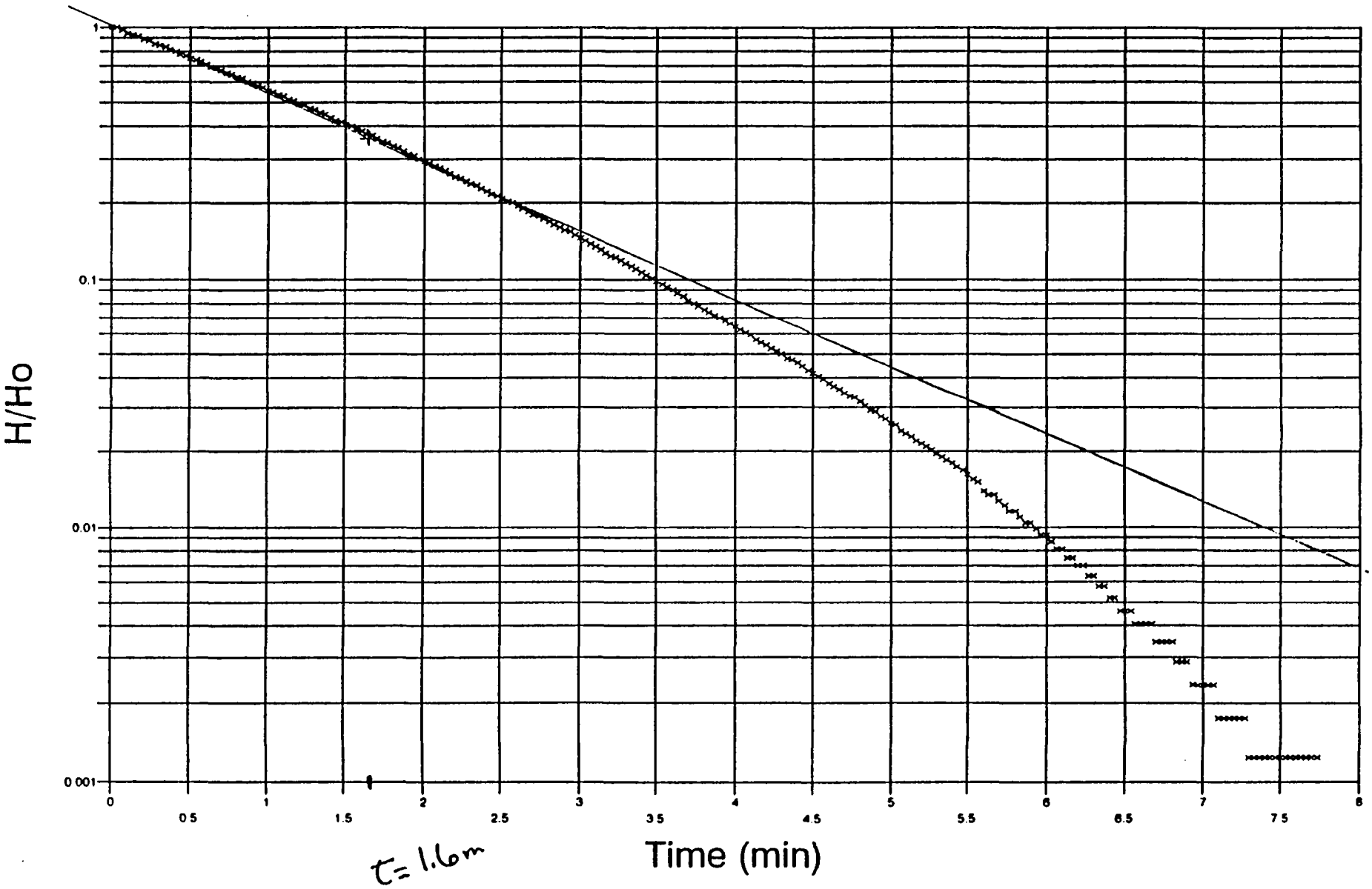

Hvorslev Method

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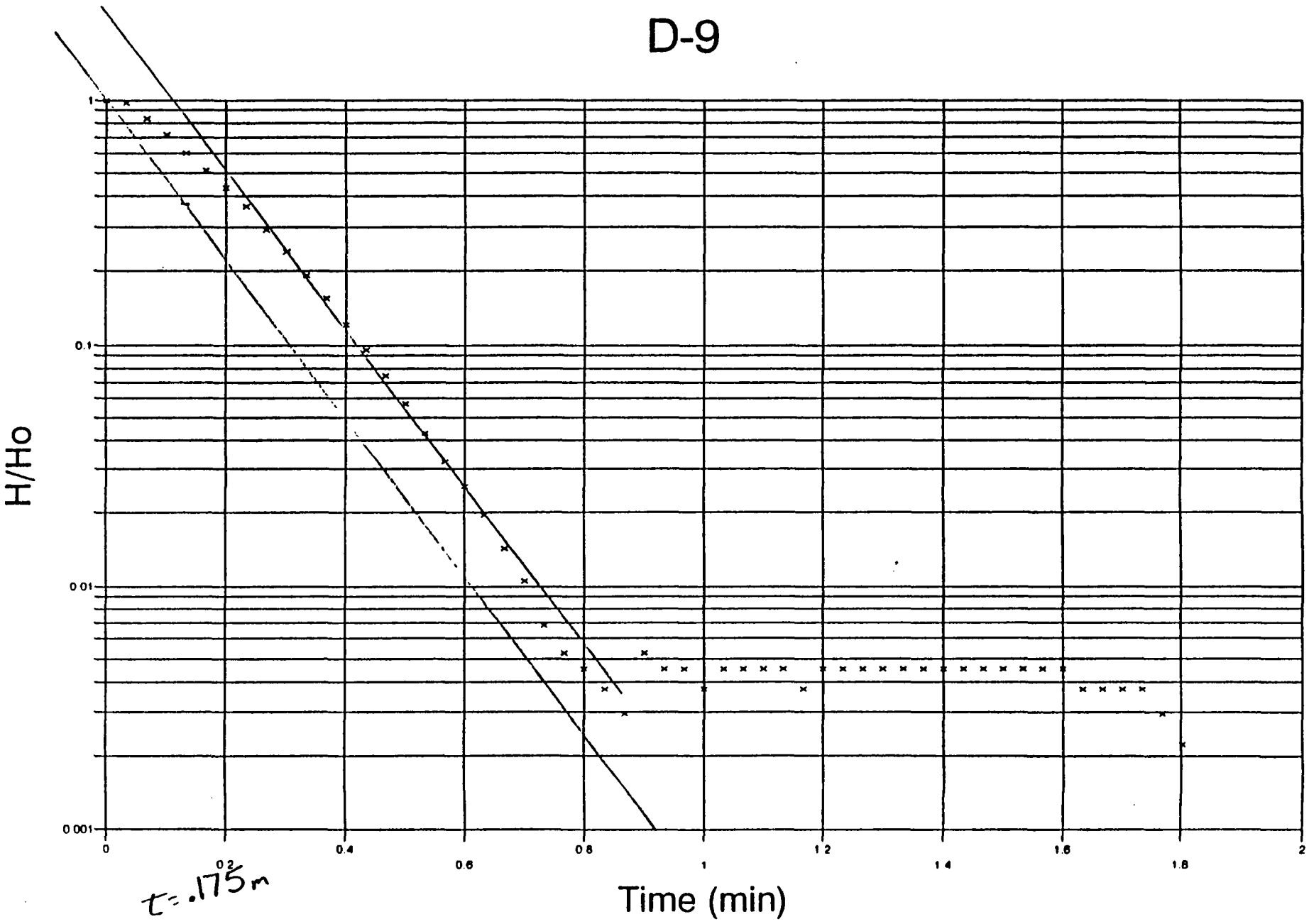

Hvorslev Method

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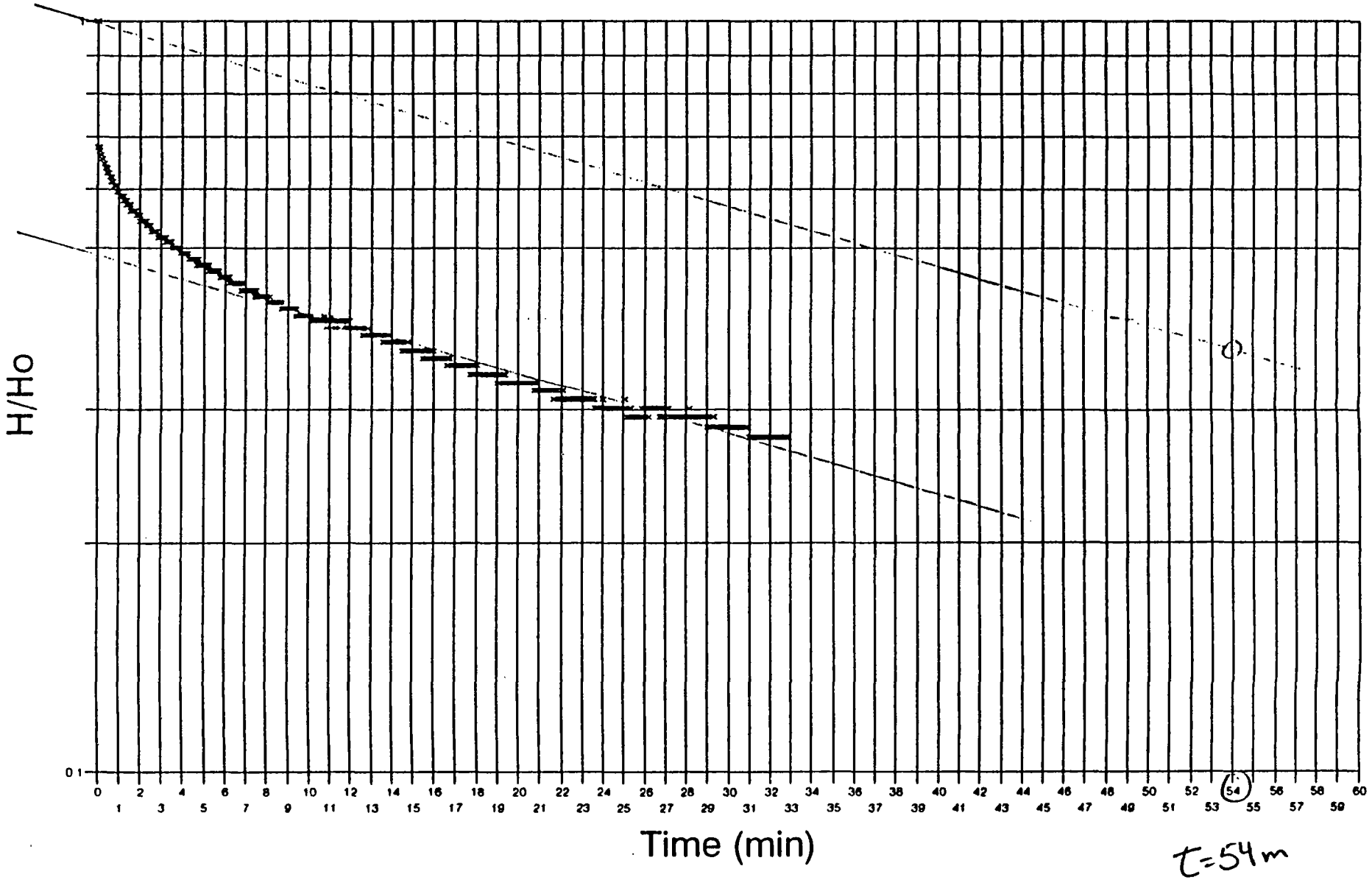
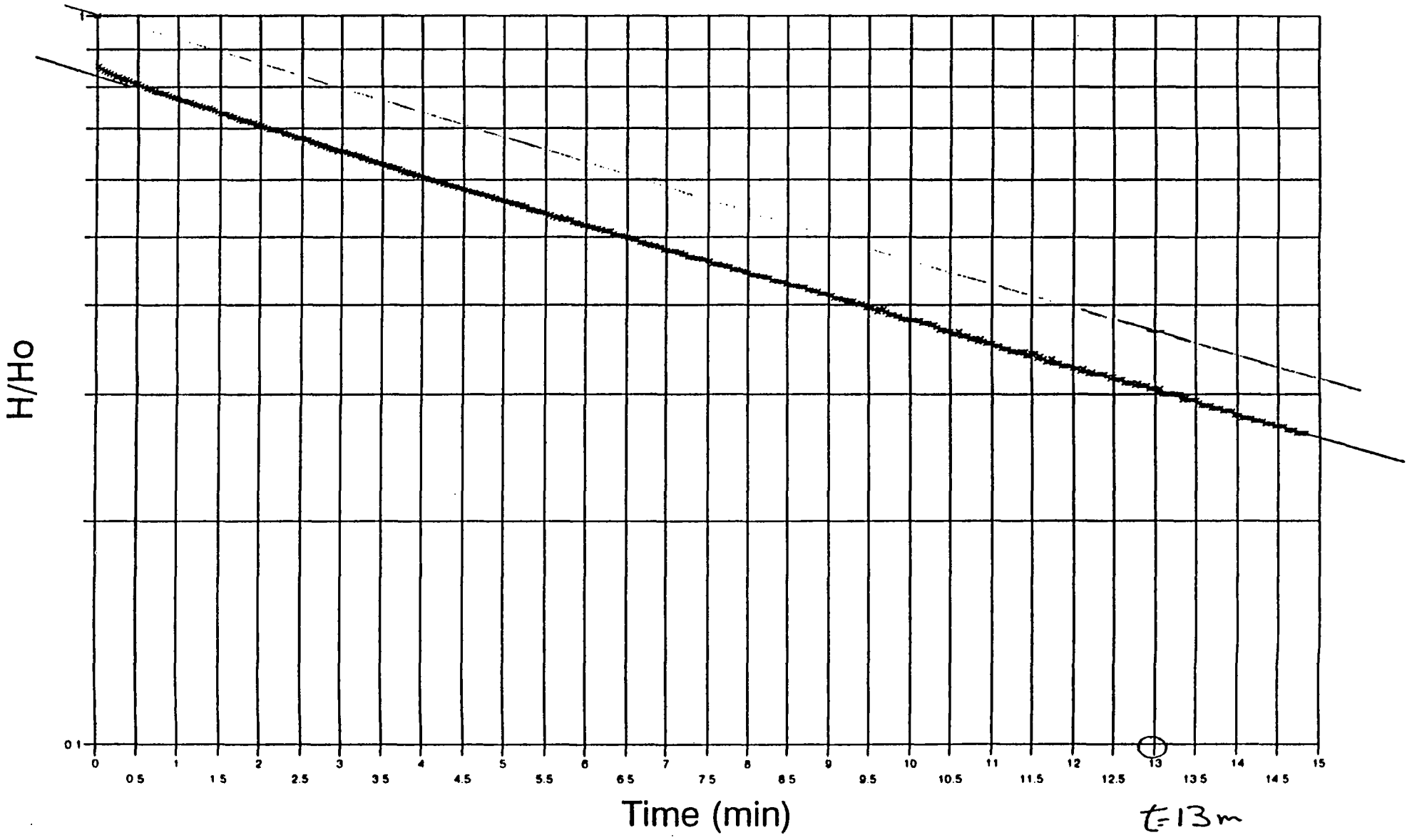


t=54m

Hvorslev Method

D-11



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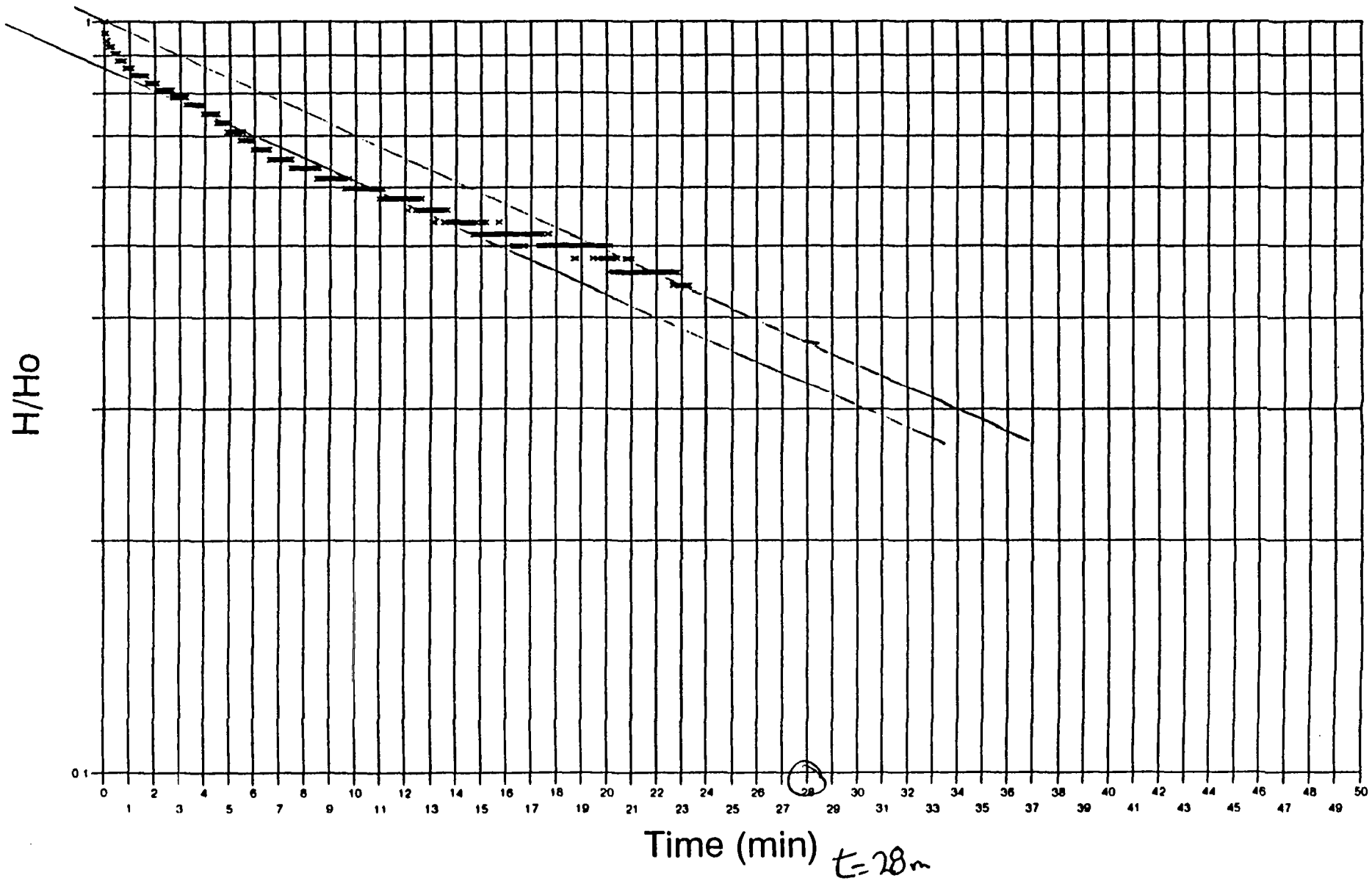

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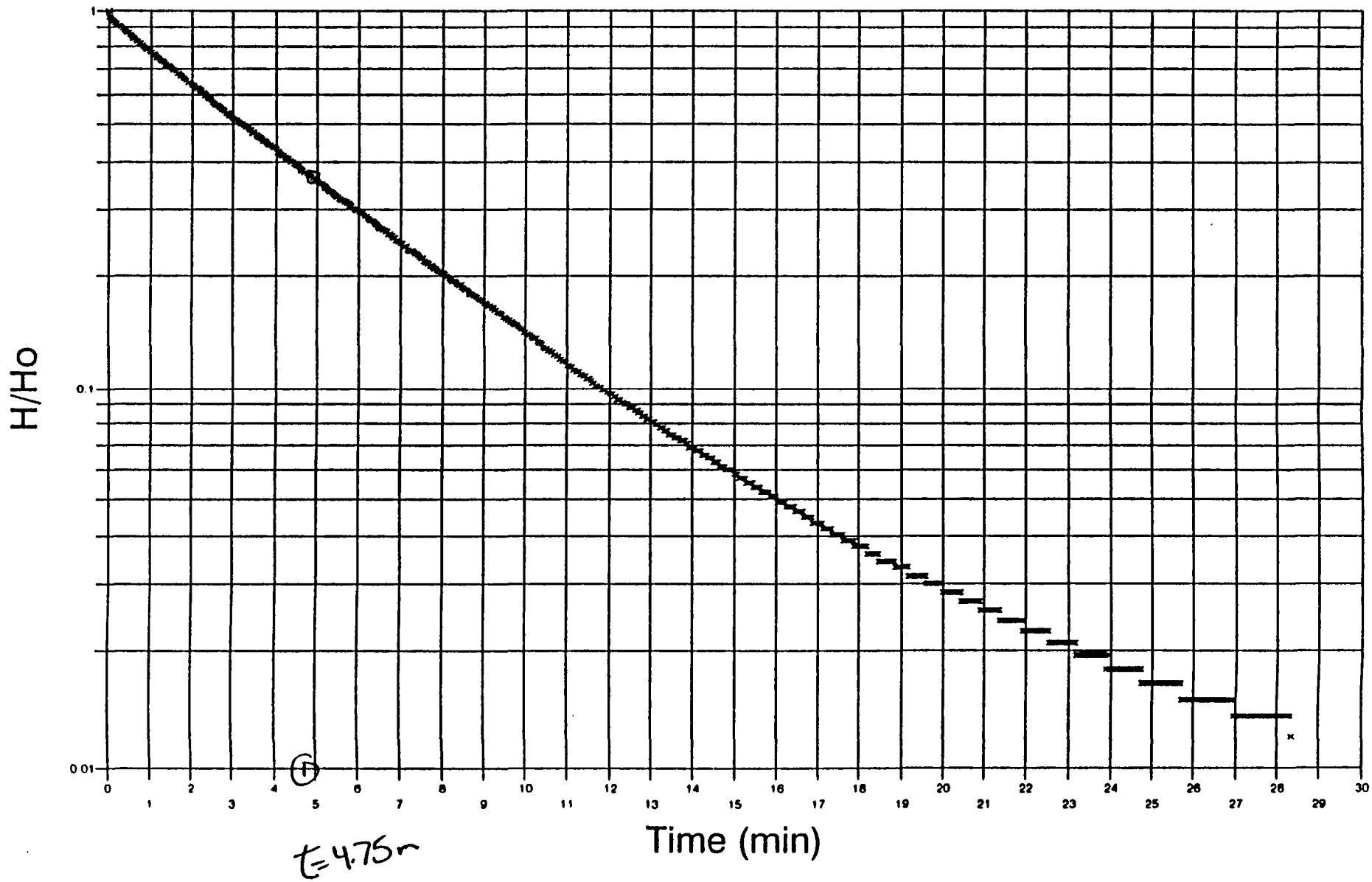

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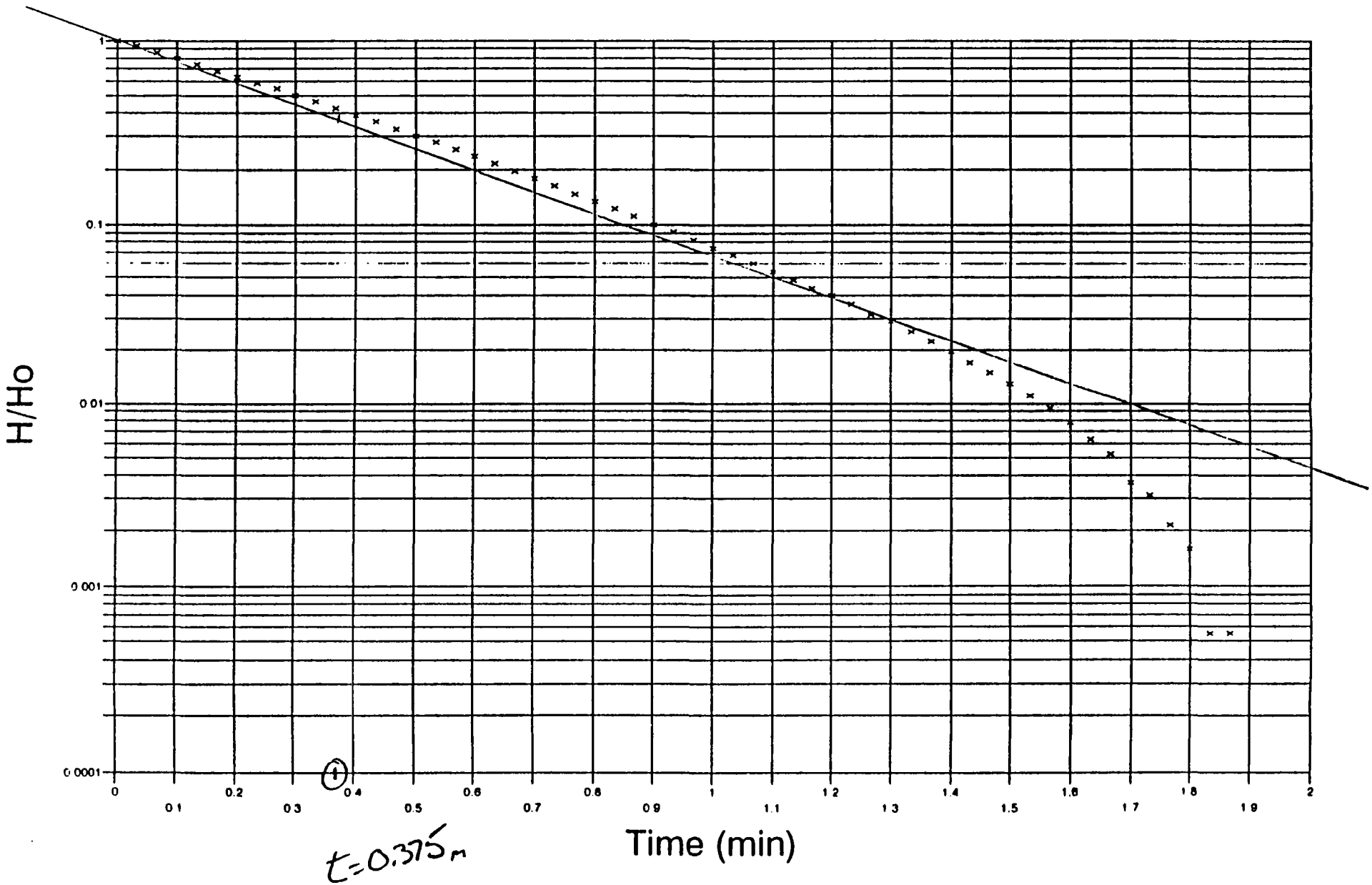

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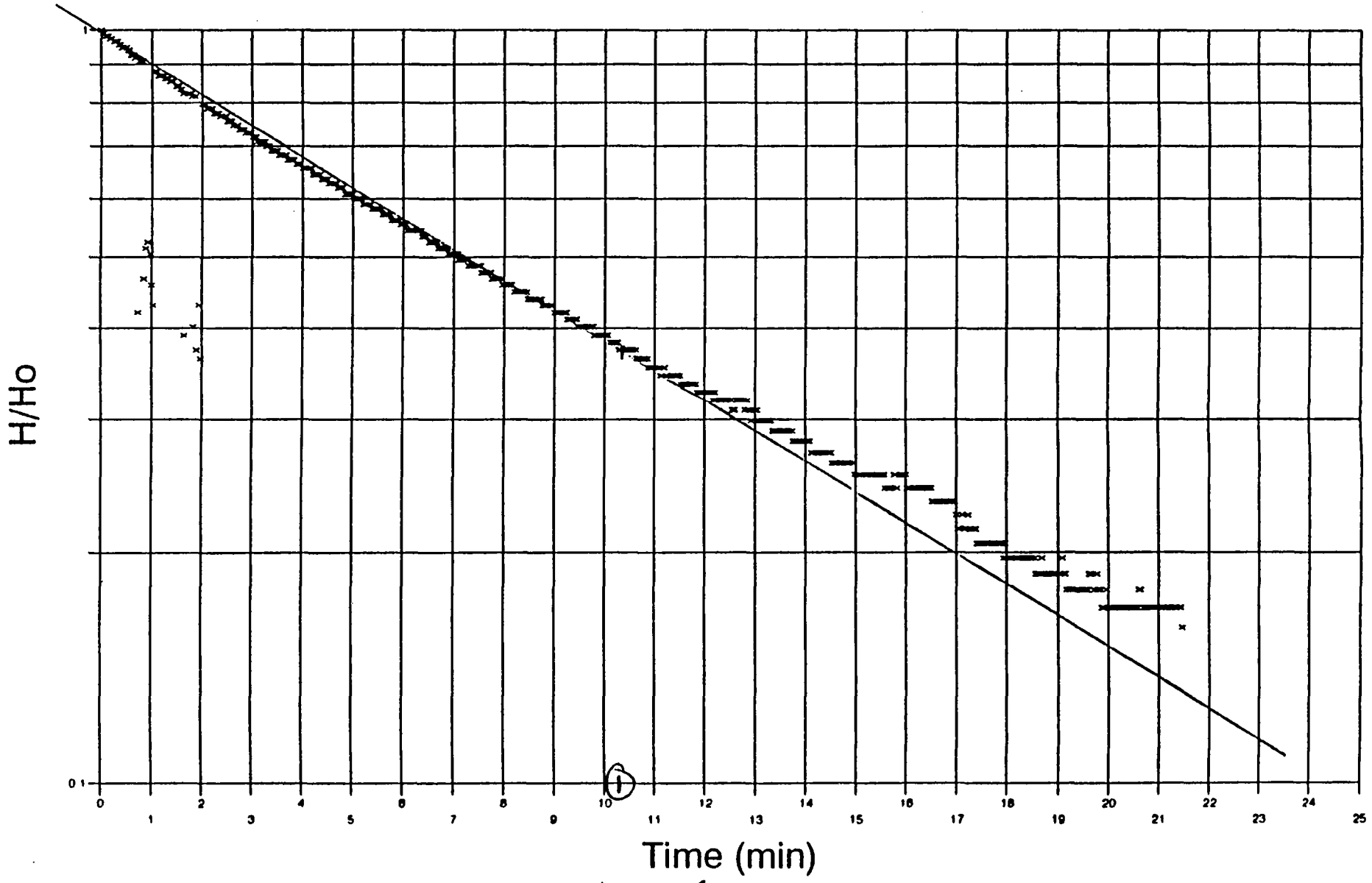

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Hvorslev Method

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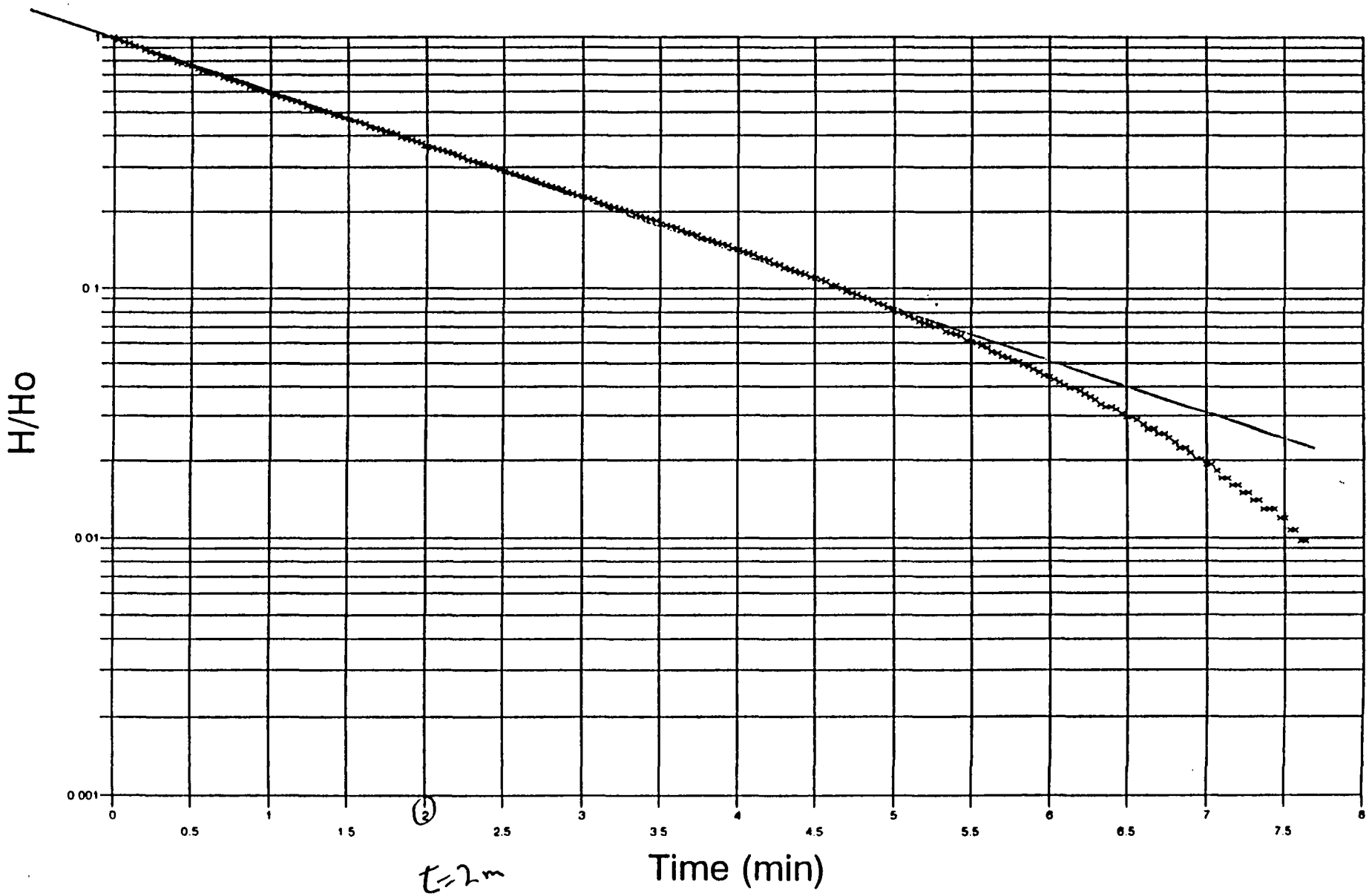
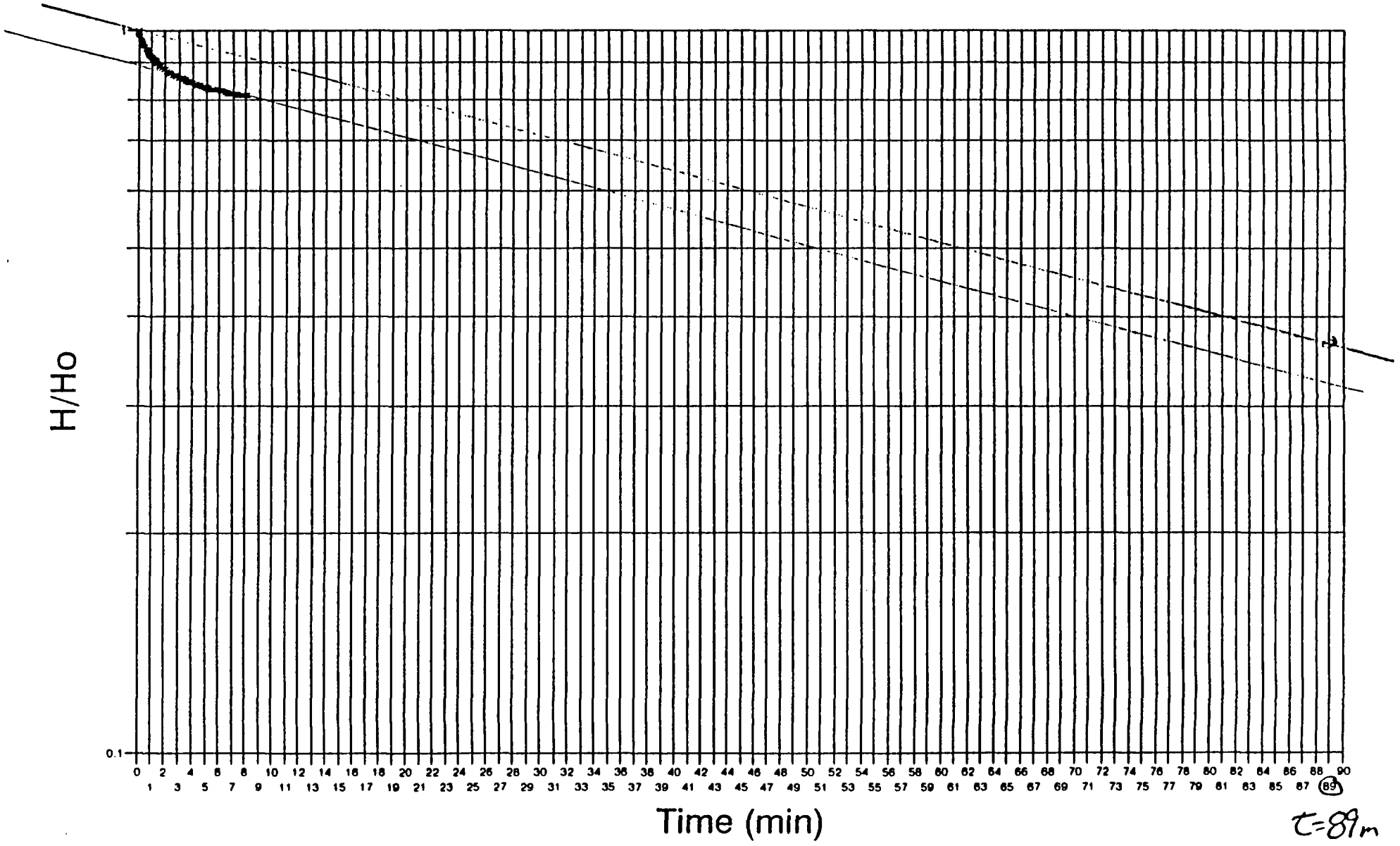


Hvorslev Method

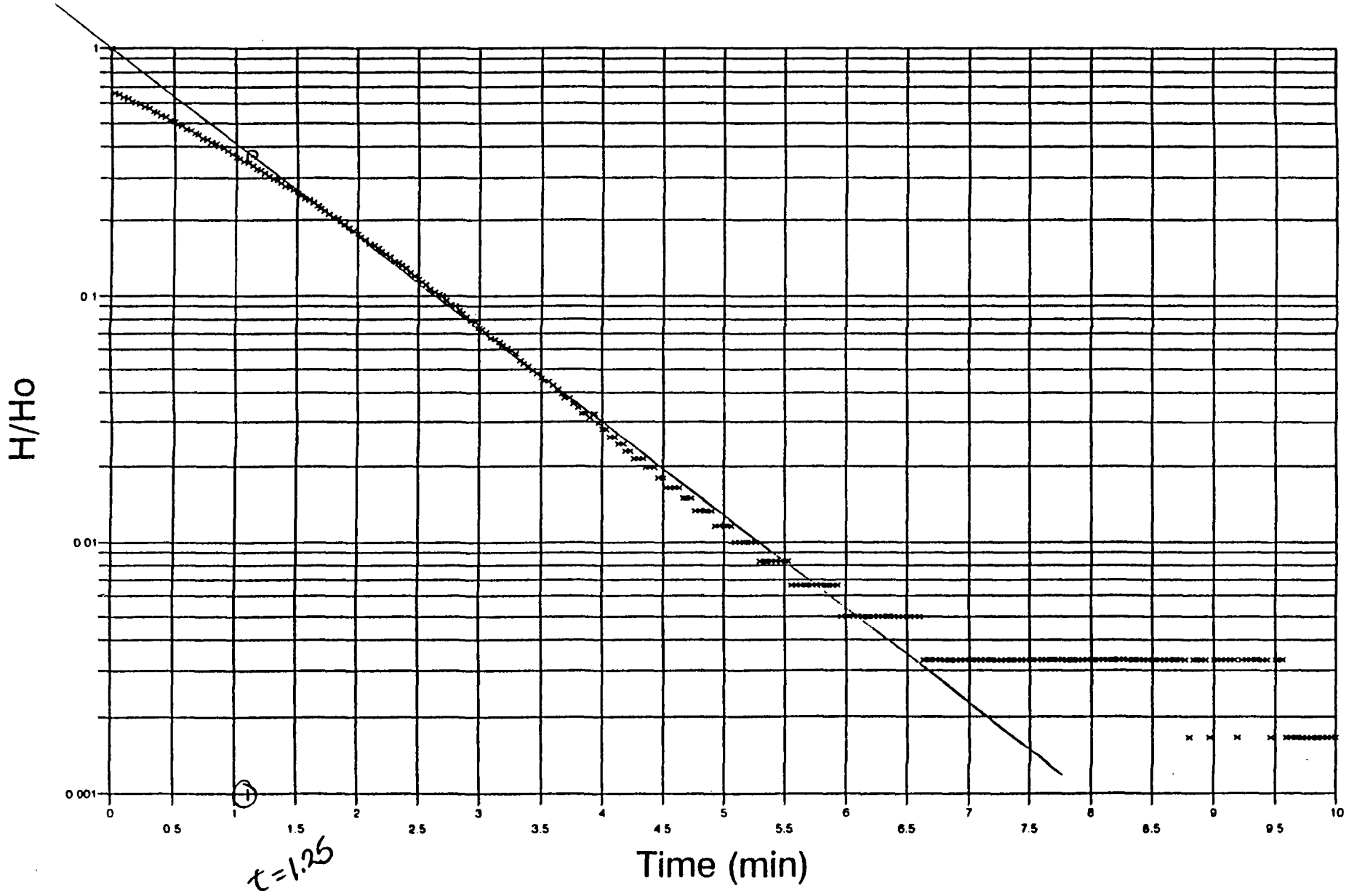
D-17



$\tau = 89m$

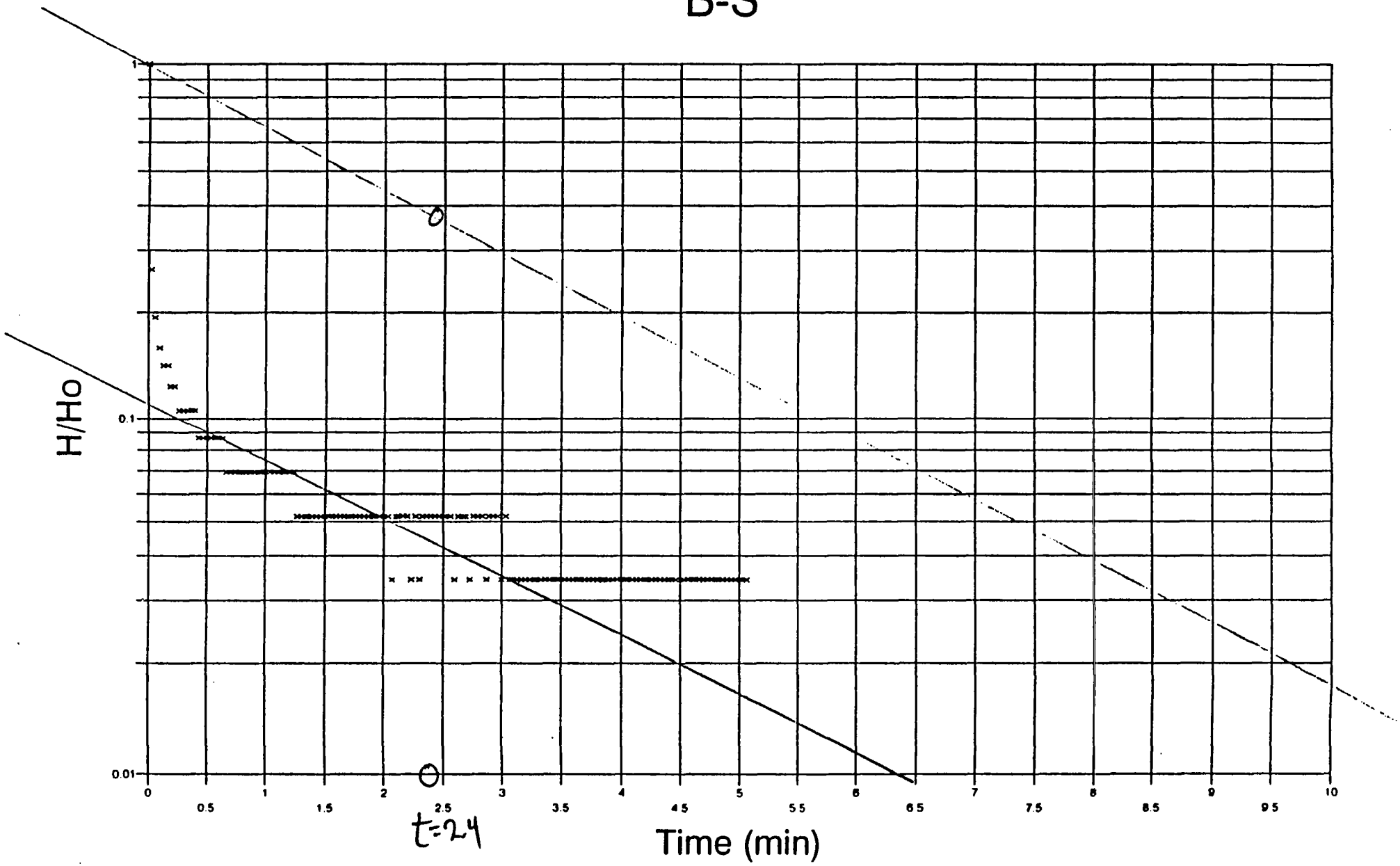
Hvorslev Method

AUB



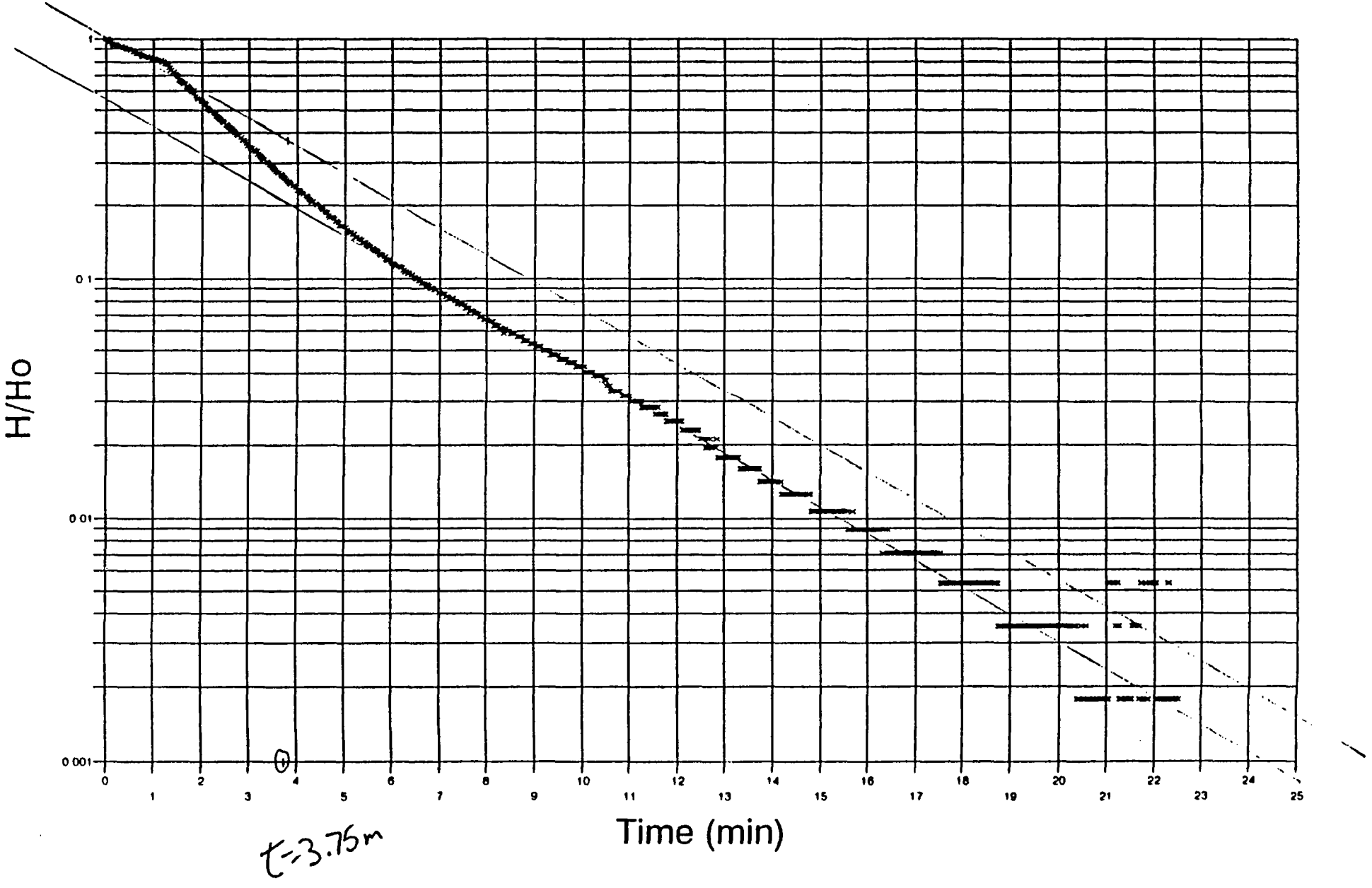
Hvorslev Method

B-S



Hvorslev Method

C-S



Hvorslev Method

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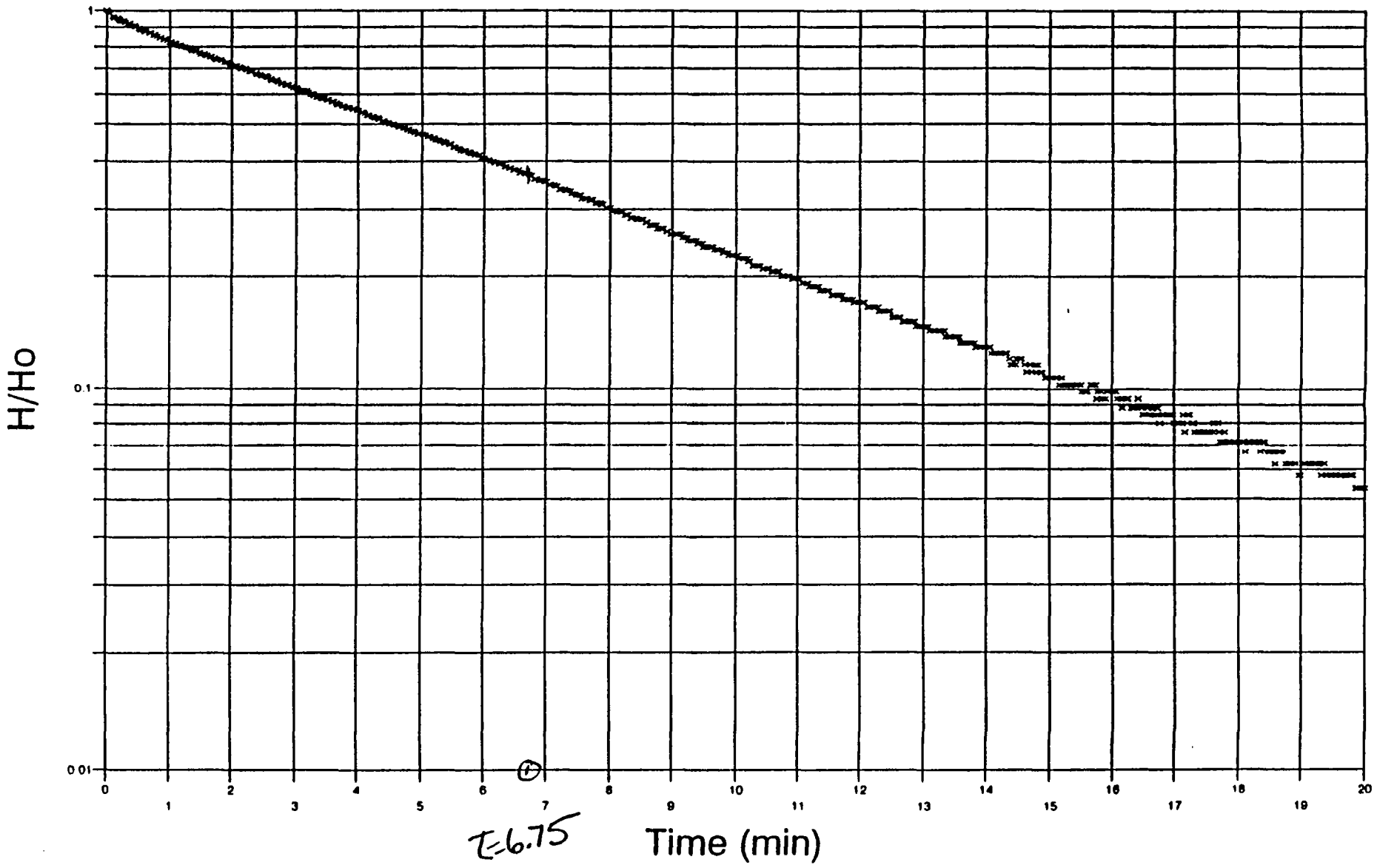
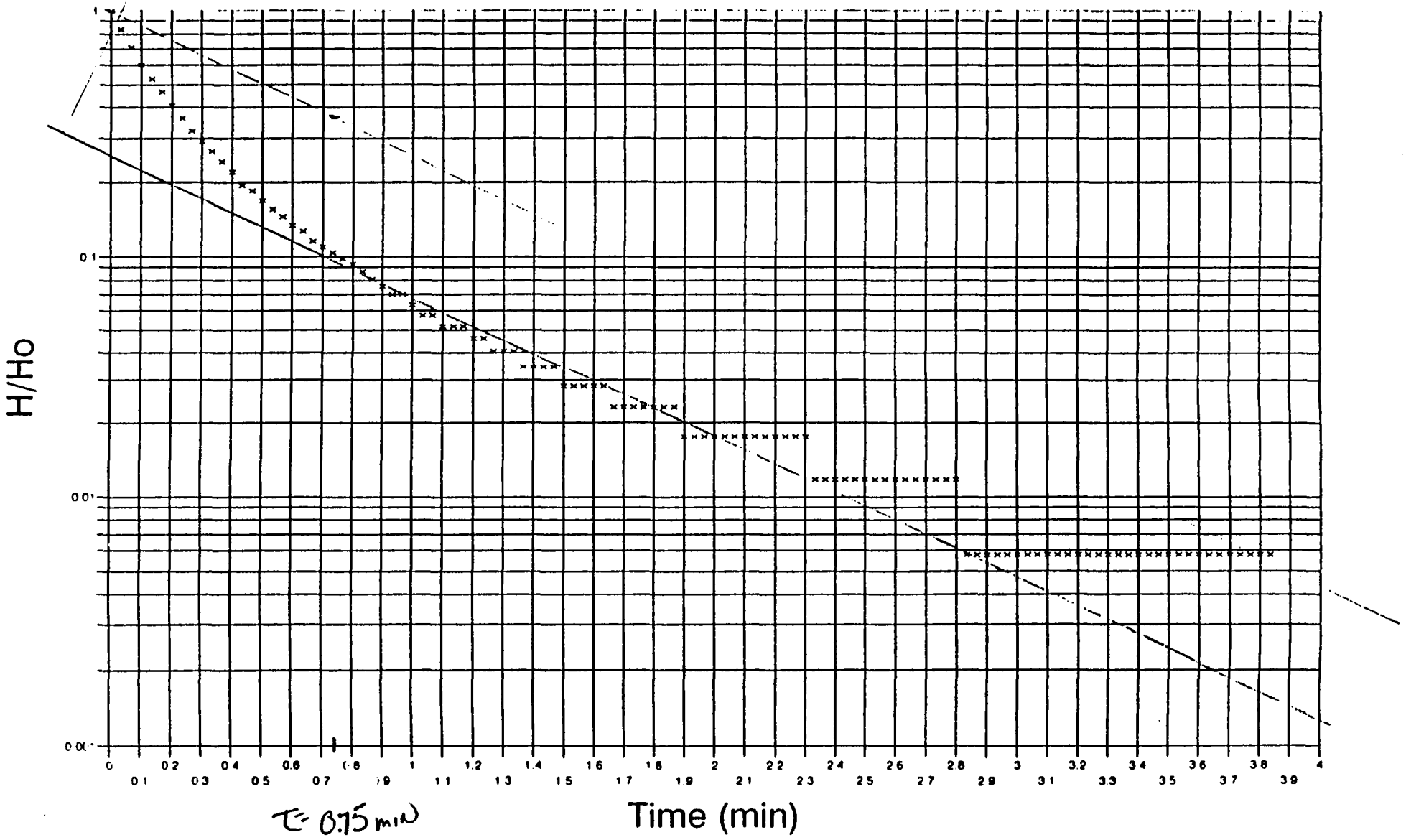


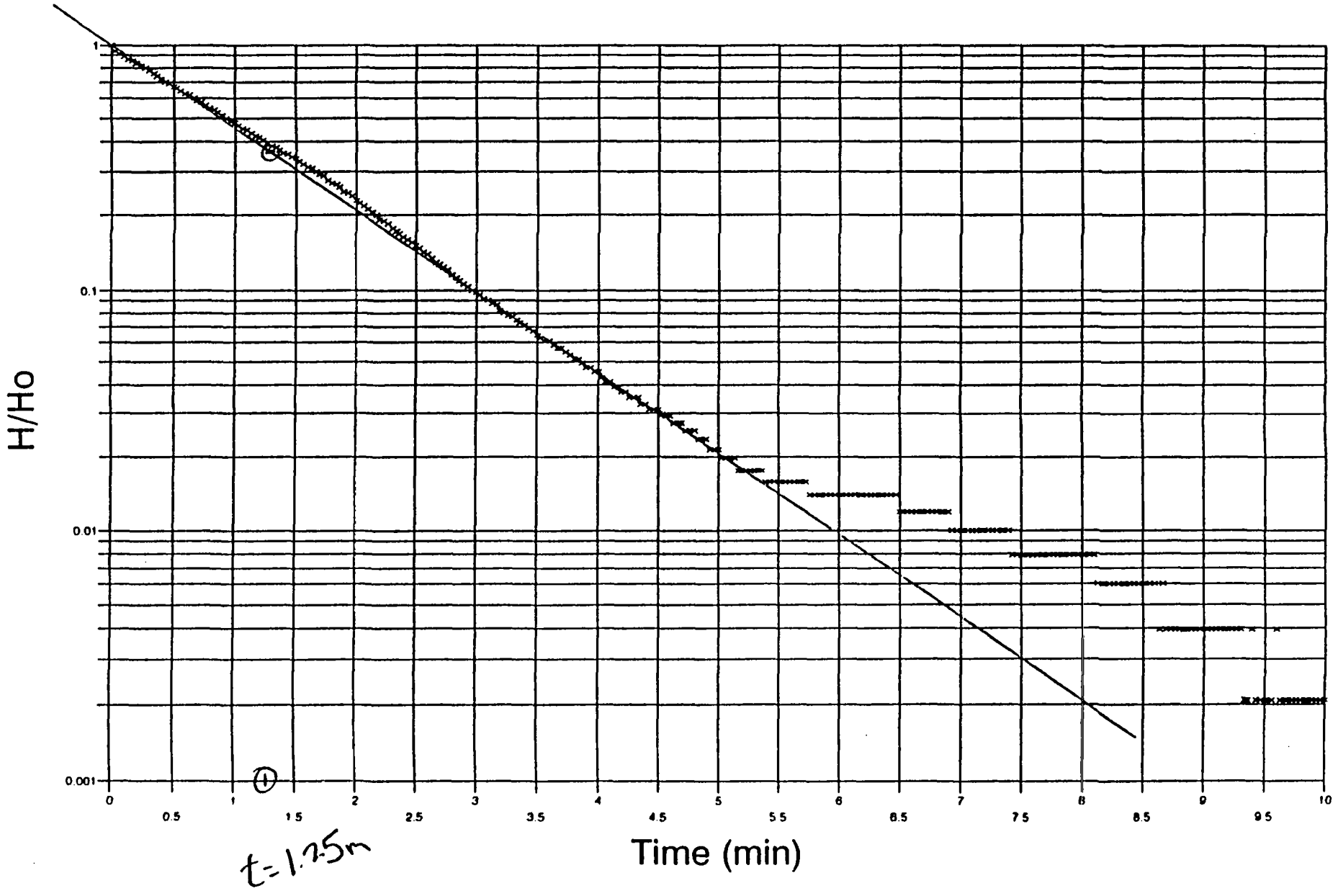
Hvorslev Method

DVF2



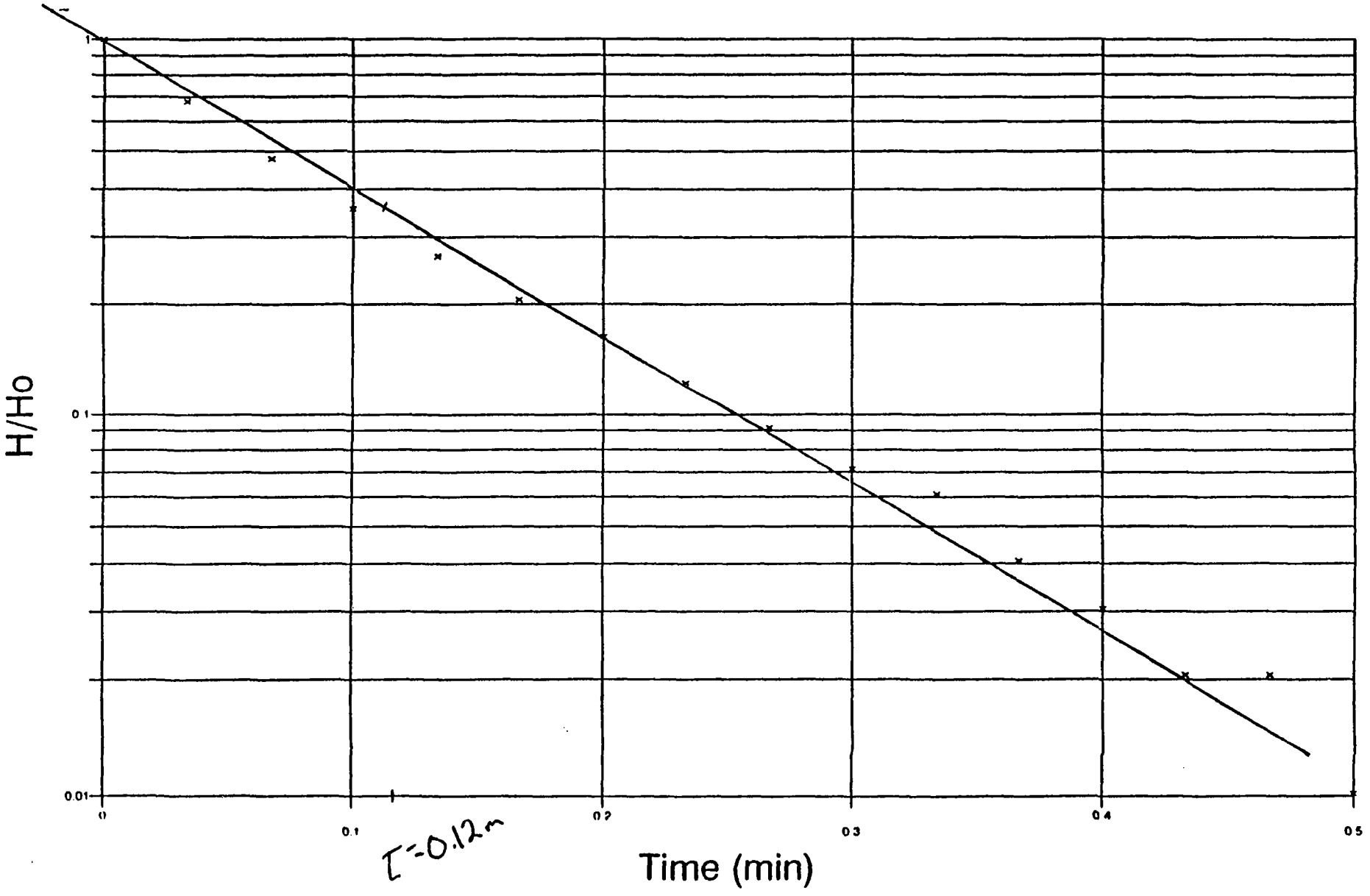
Hvorslev Method

DVF3



Hvorslev Method

EVF1



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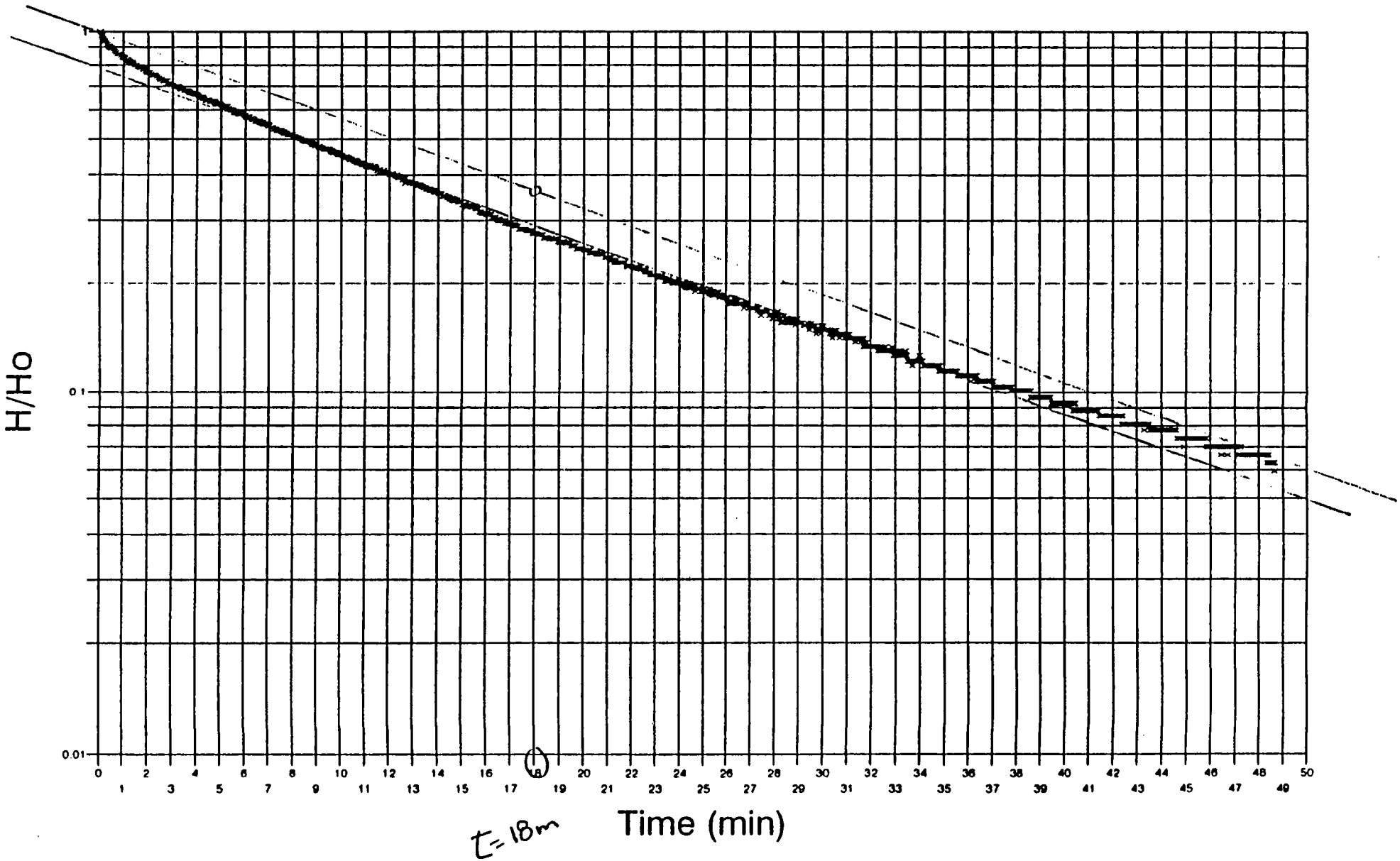

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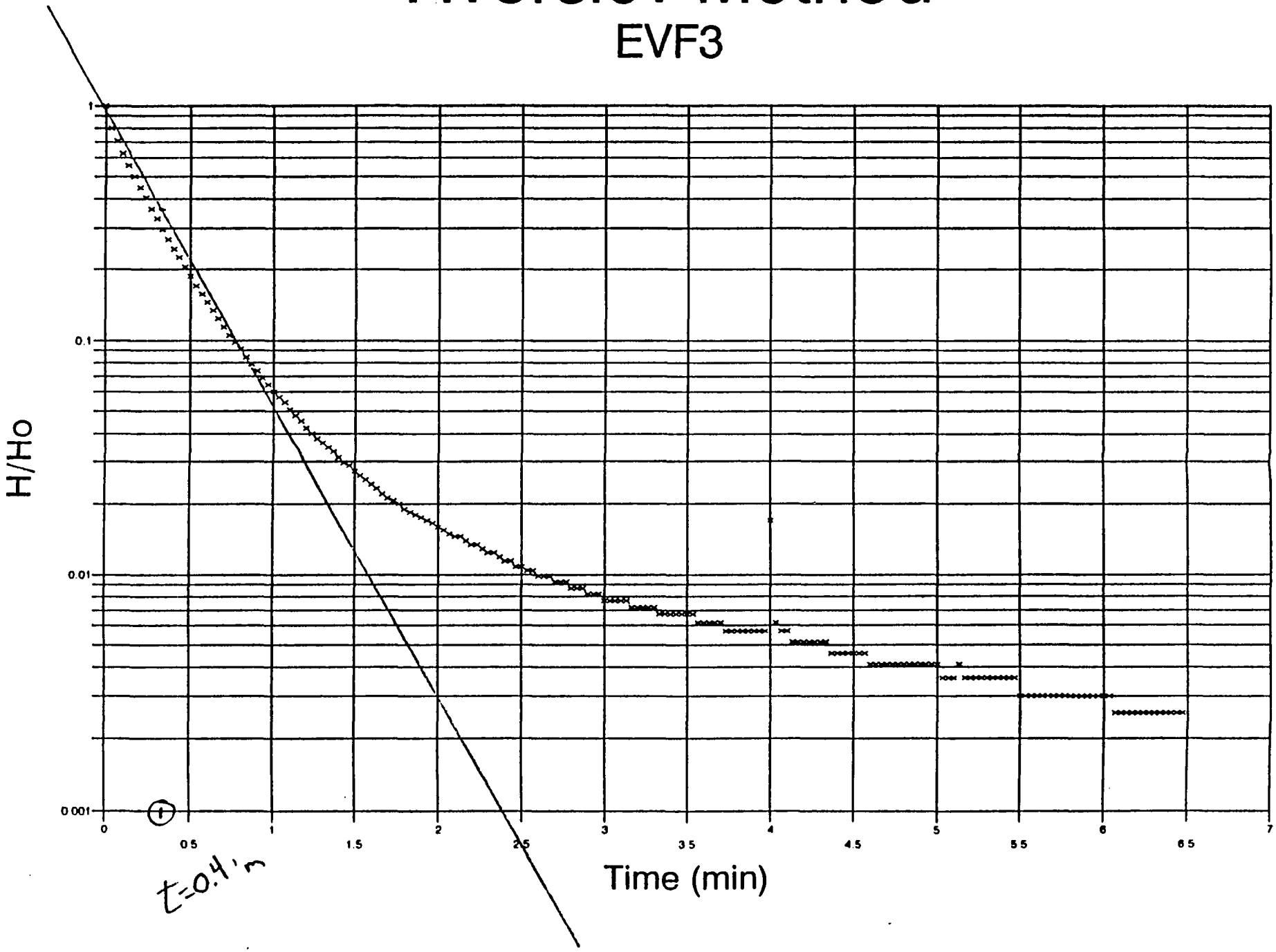
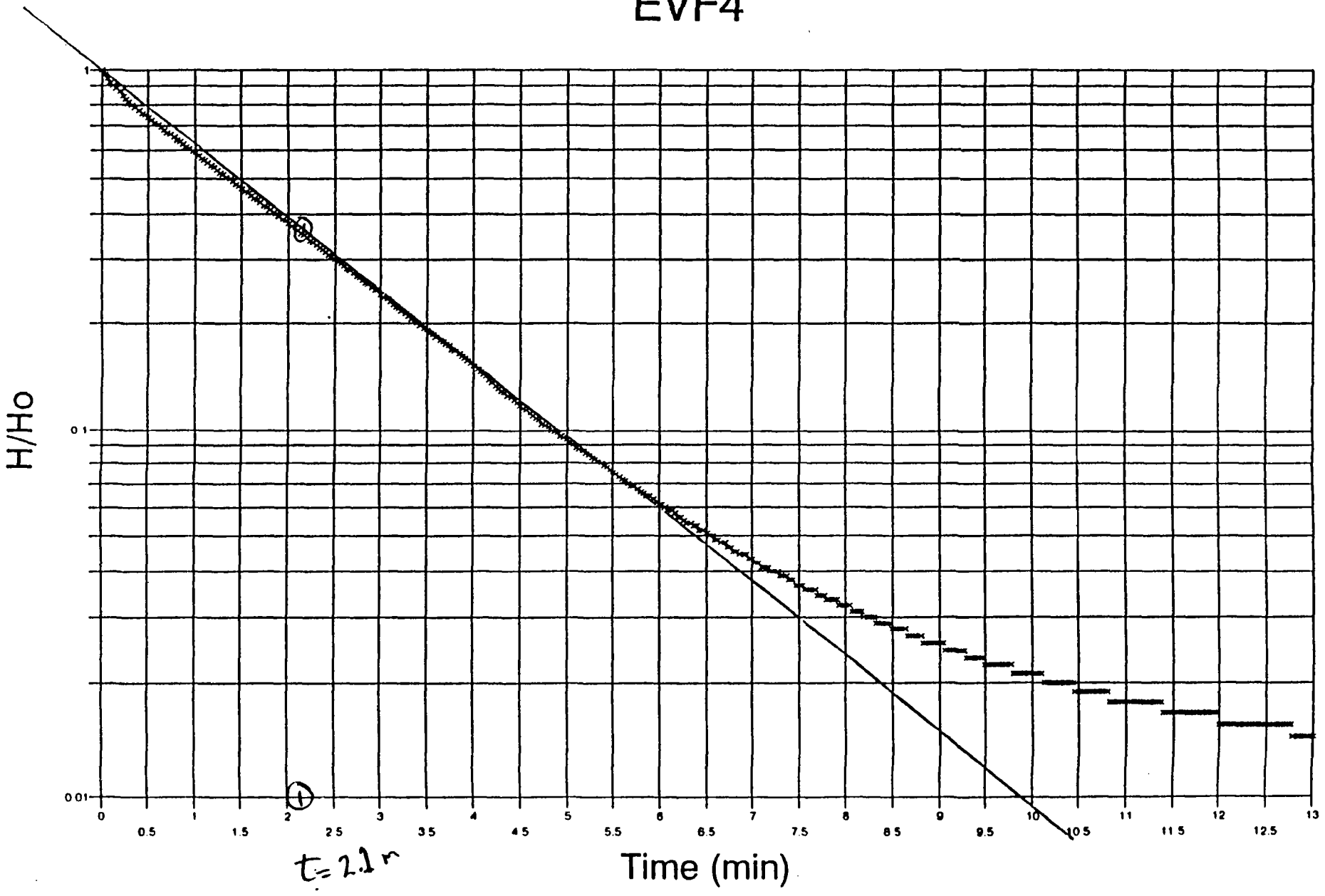


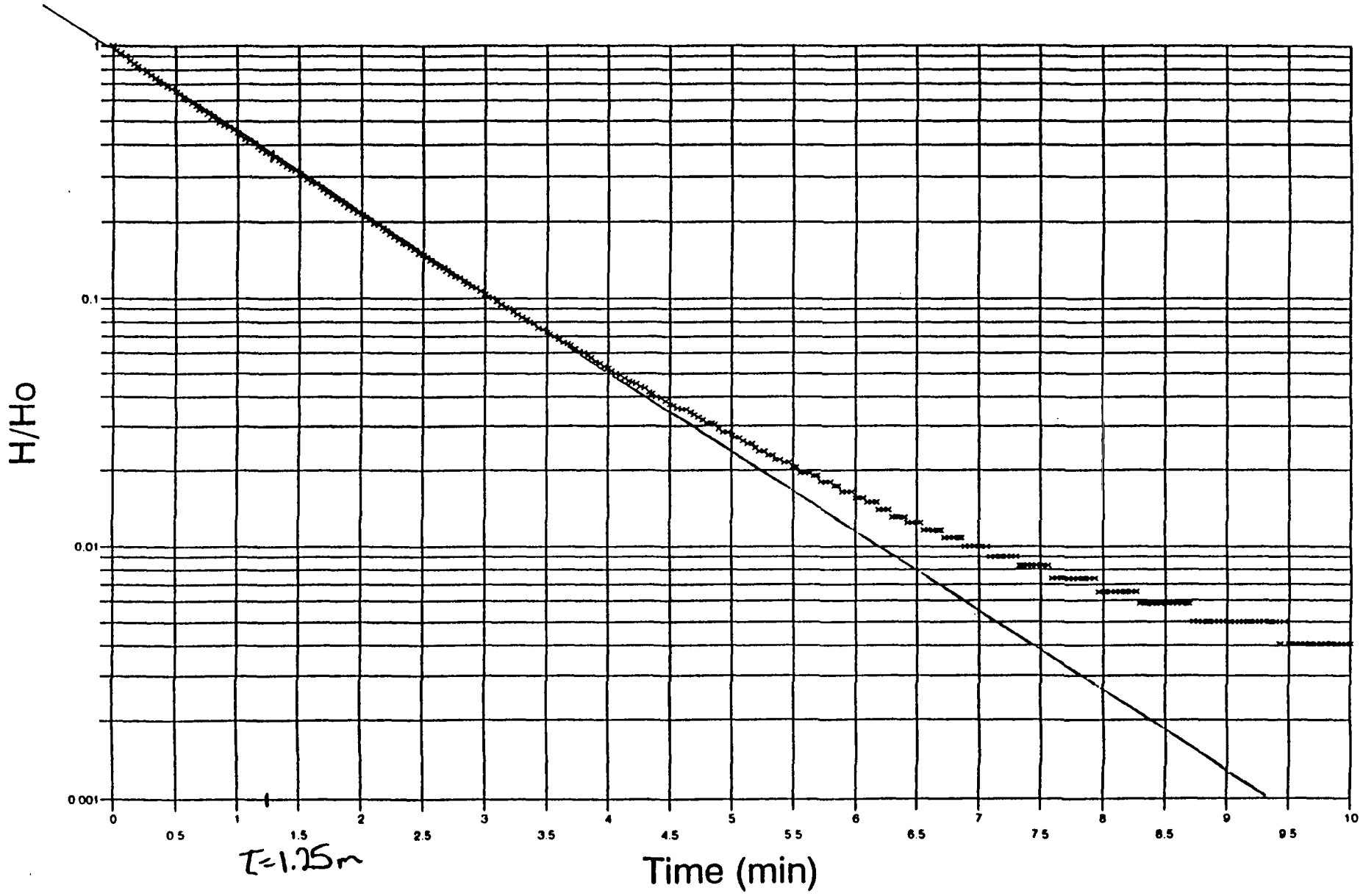
Hvorslev Method

EVF4



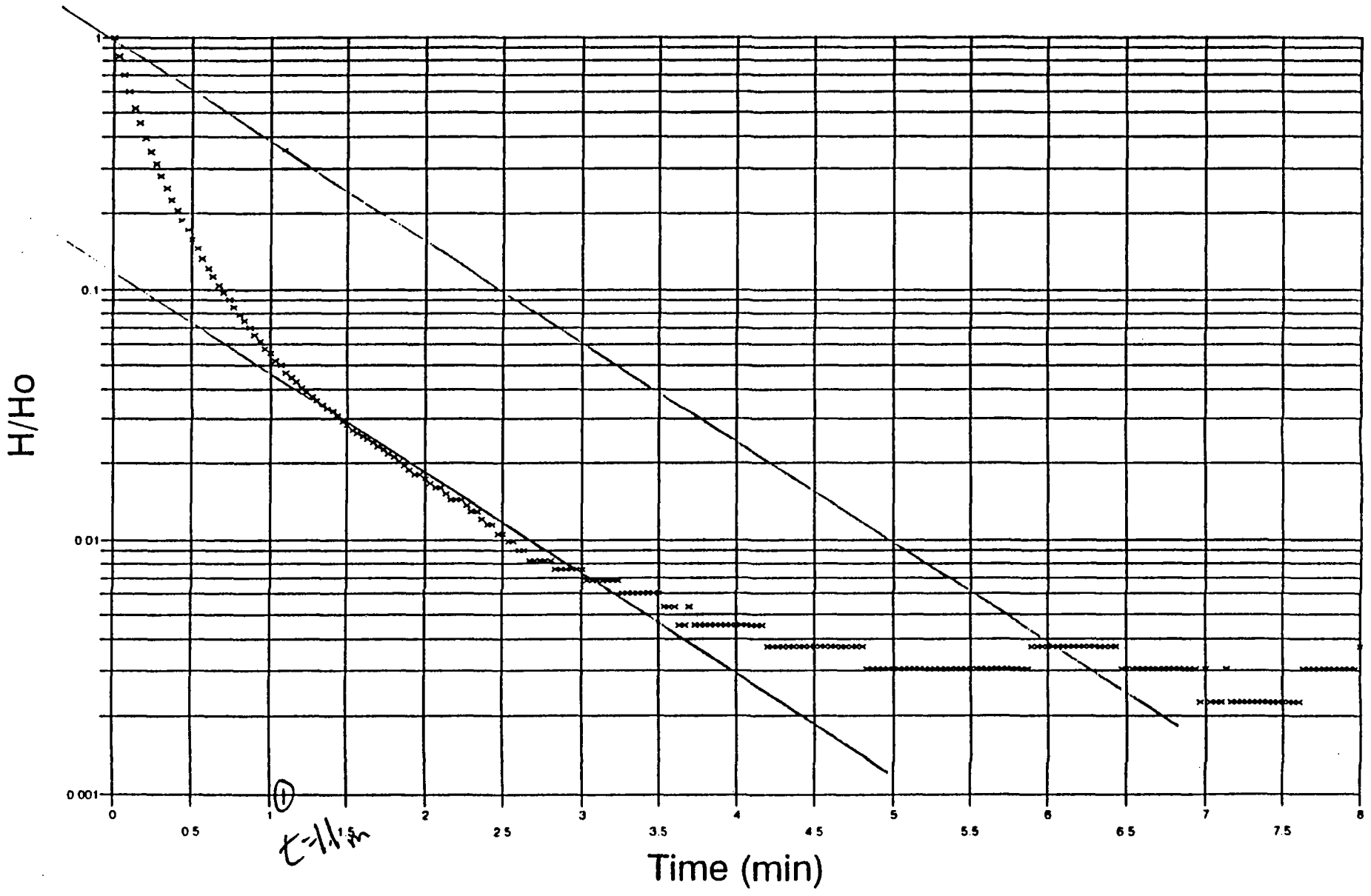
Hvorslev Method

ELB



Hvorslev Method

FVF3



Hvorslev Method

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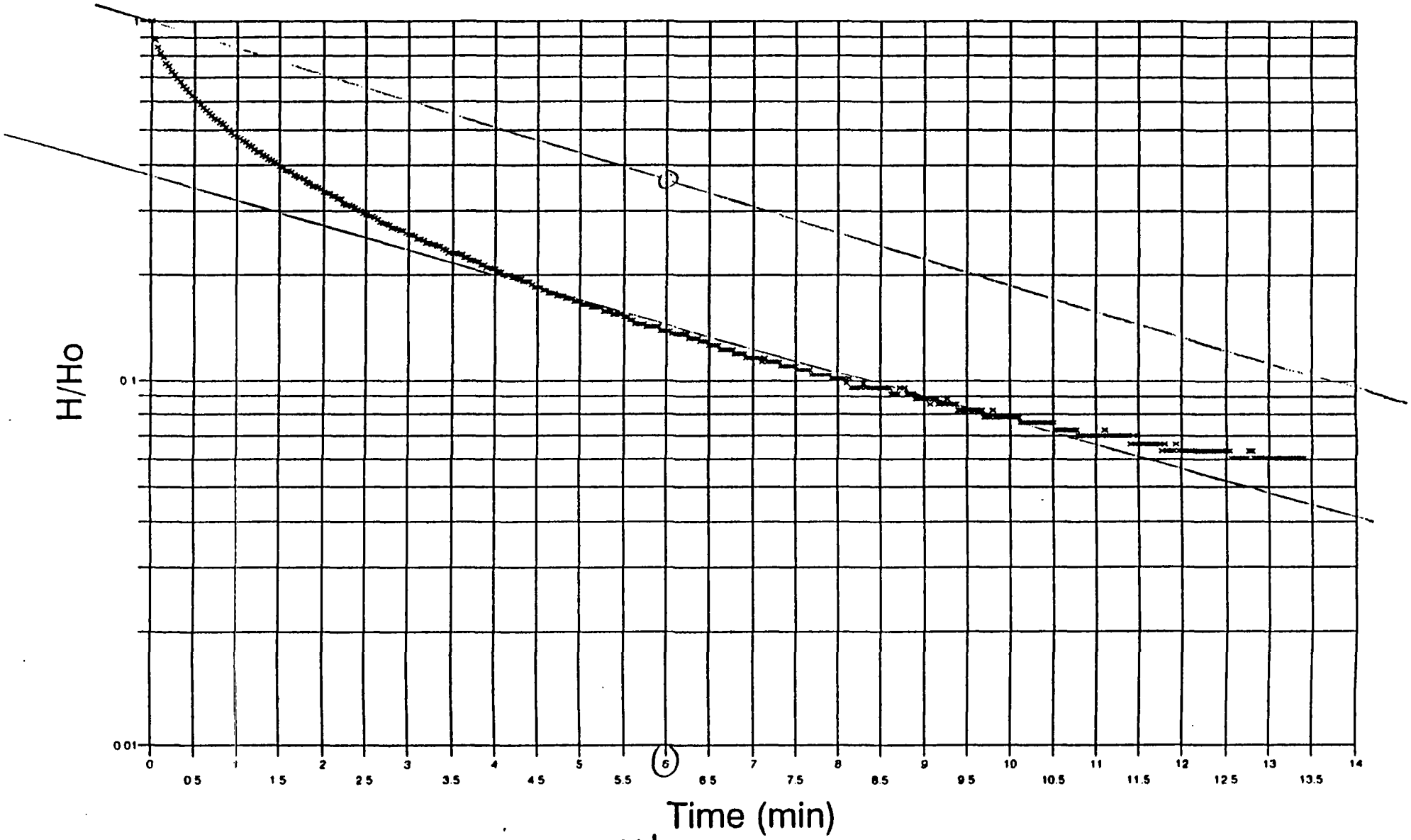
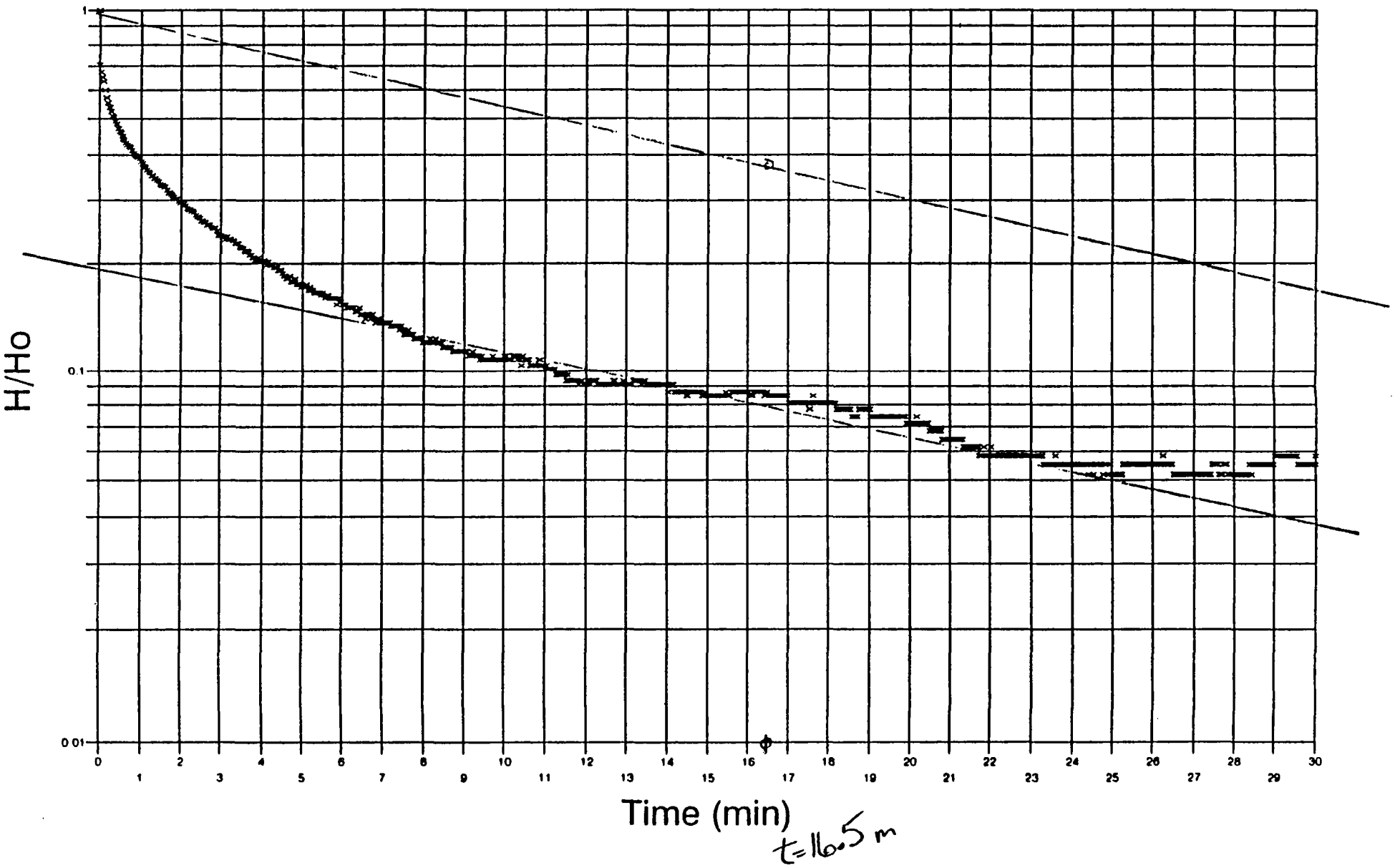


t=6m

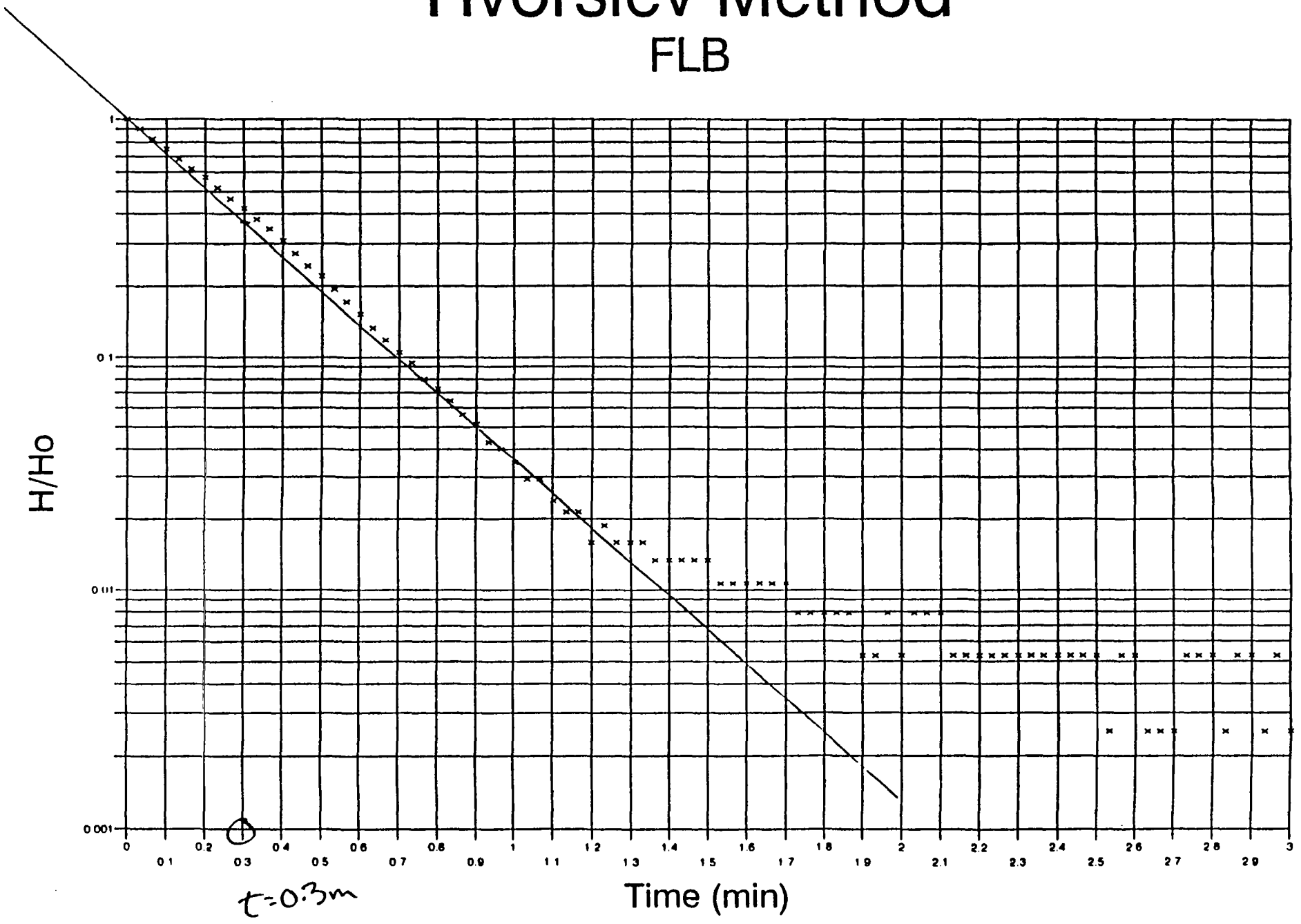
Hvorslev Method

FVF6



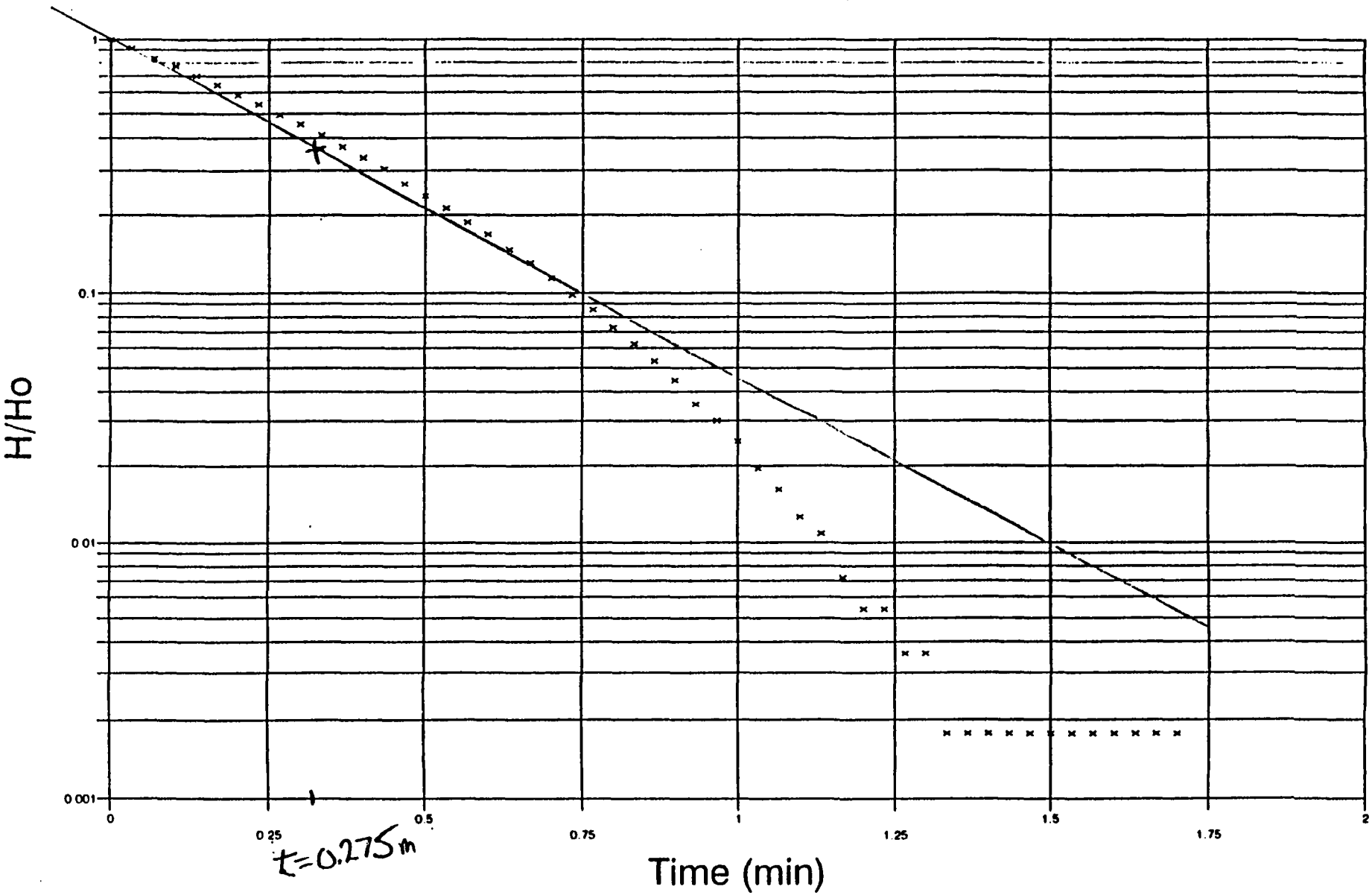
Hvorslev Method

FLB



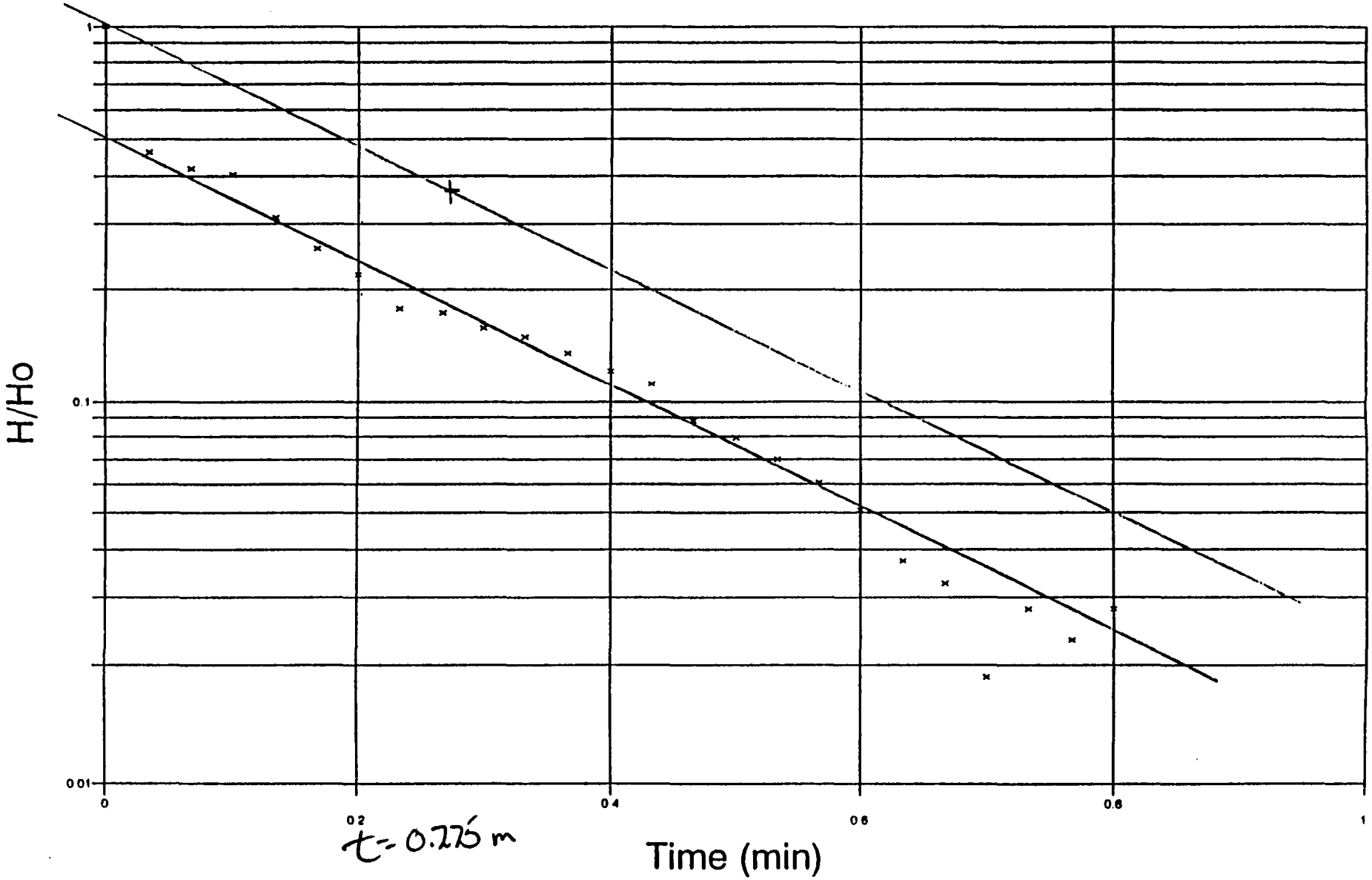
Hvorslev Method

GUB



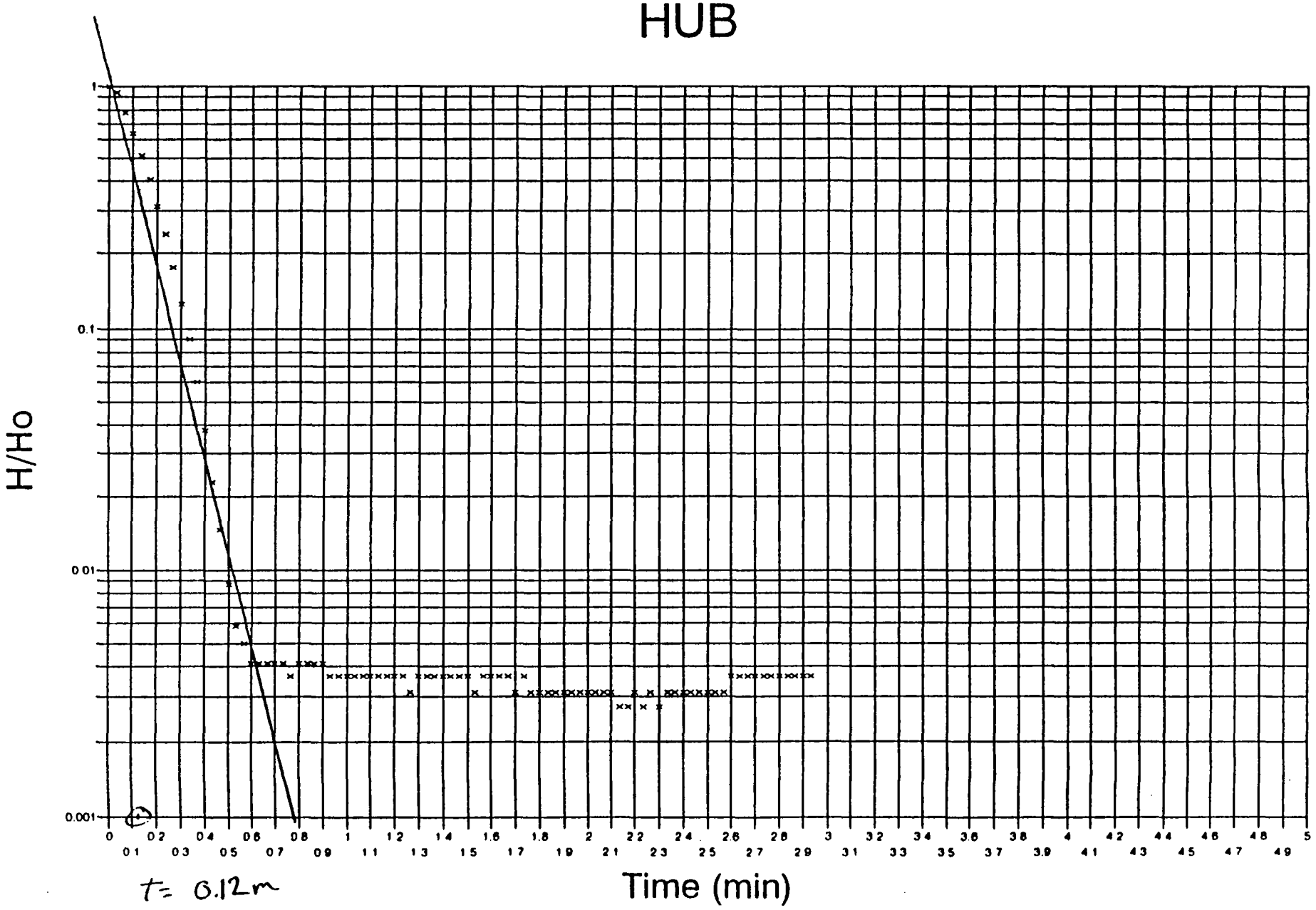
Hvorslev Method

HS



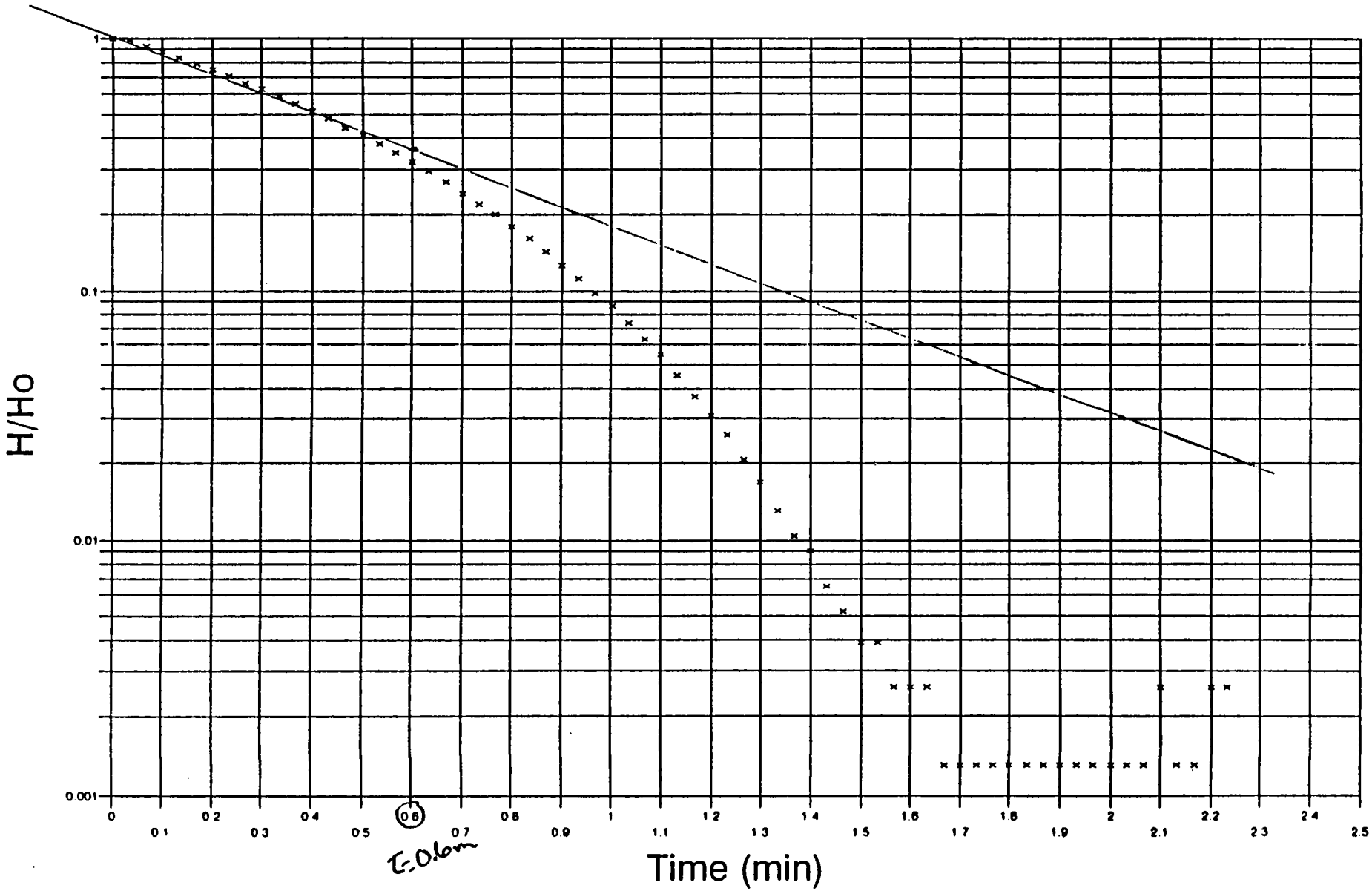
Hvorslev Method

HUB



Hvorslev Method

II



Hvorslev Method

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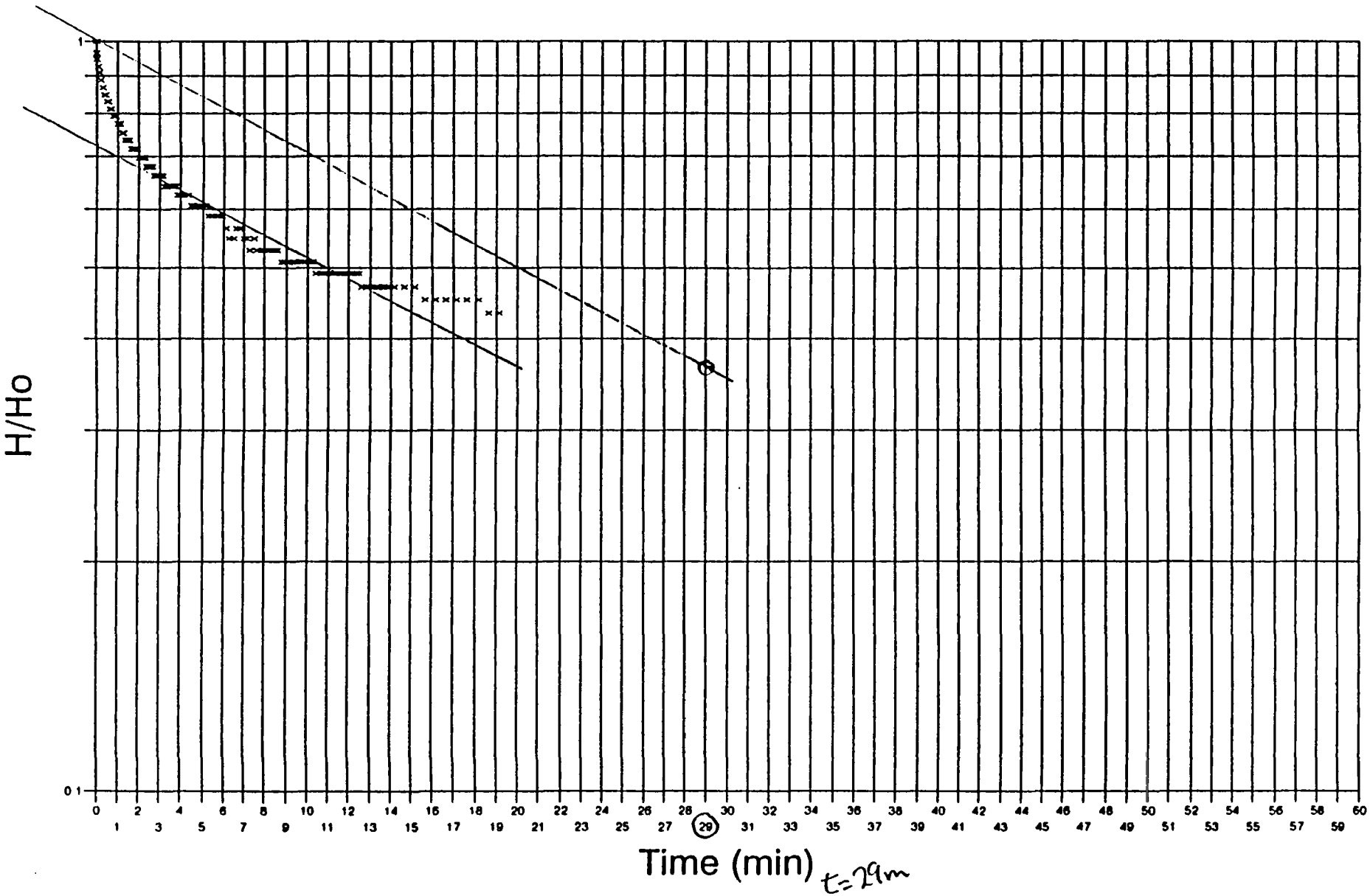
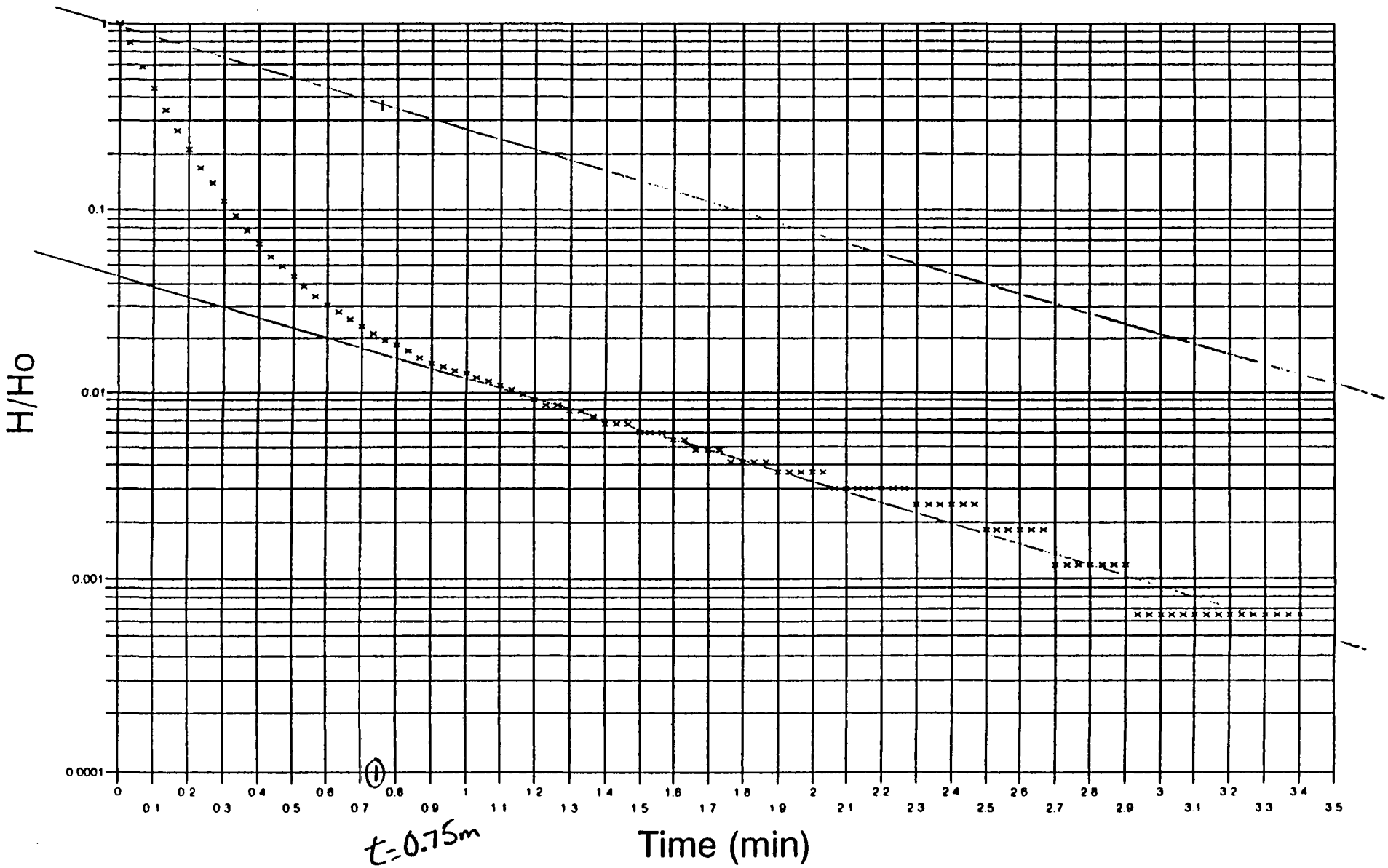


Hvorslev Method

JVF3



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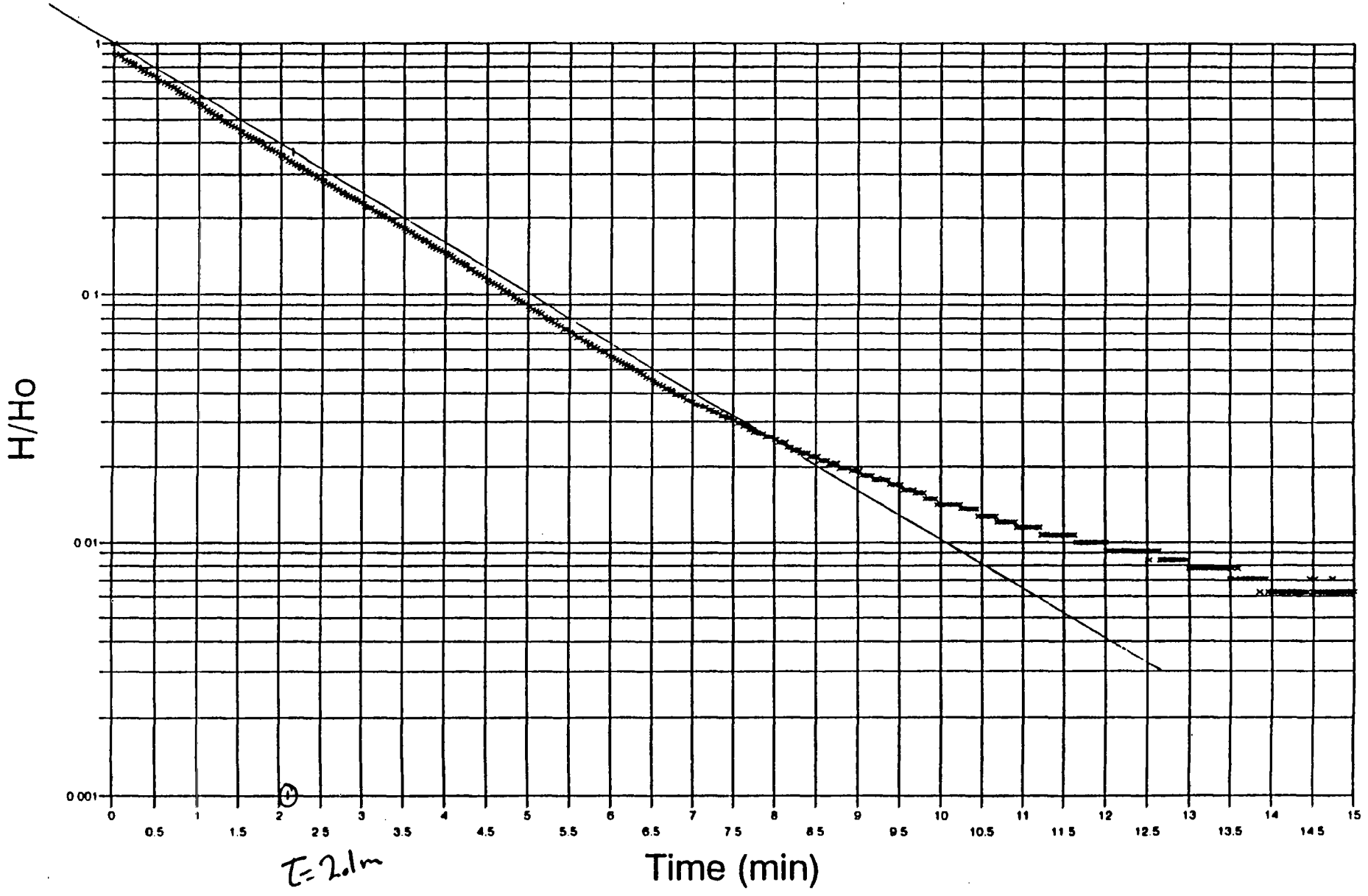

Hvorslev Method

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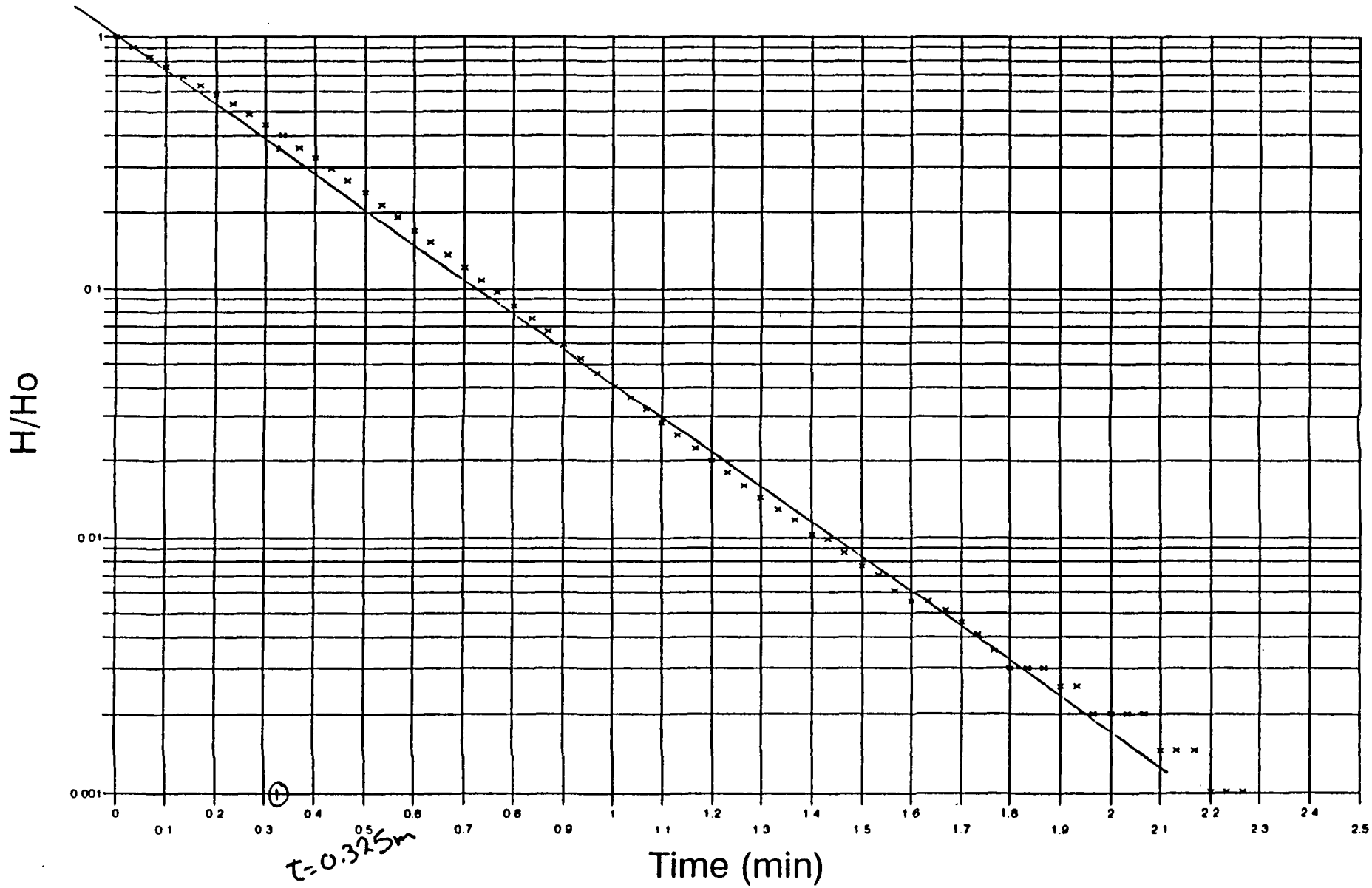
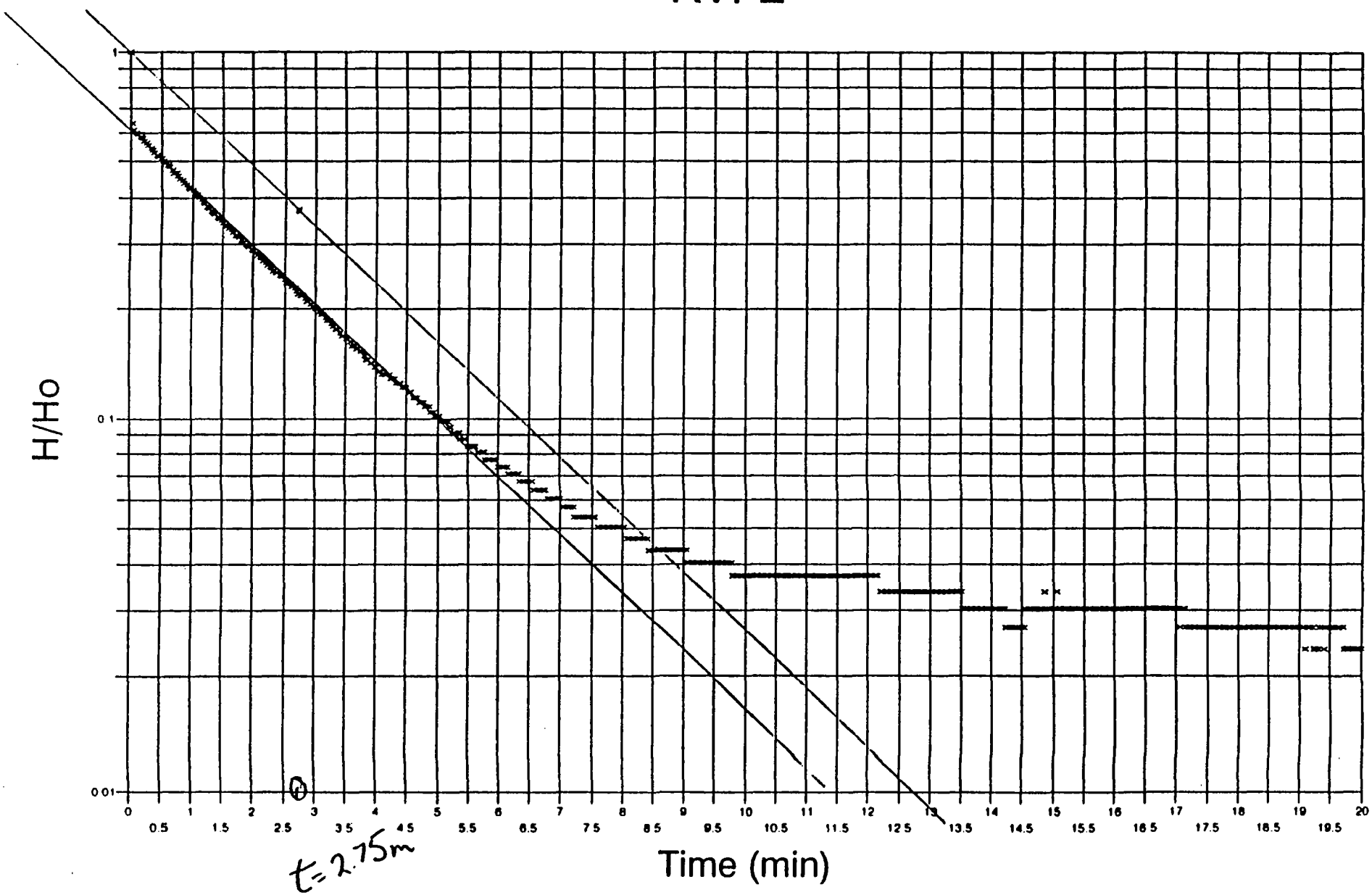


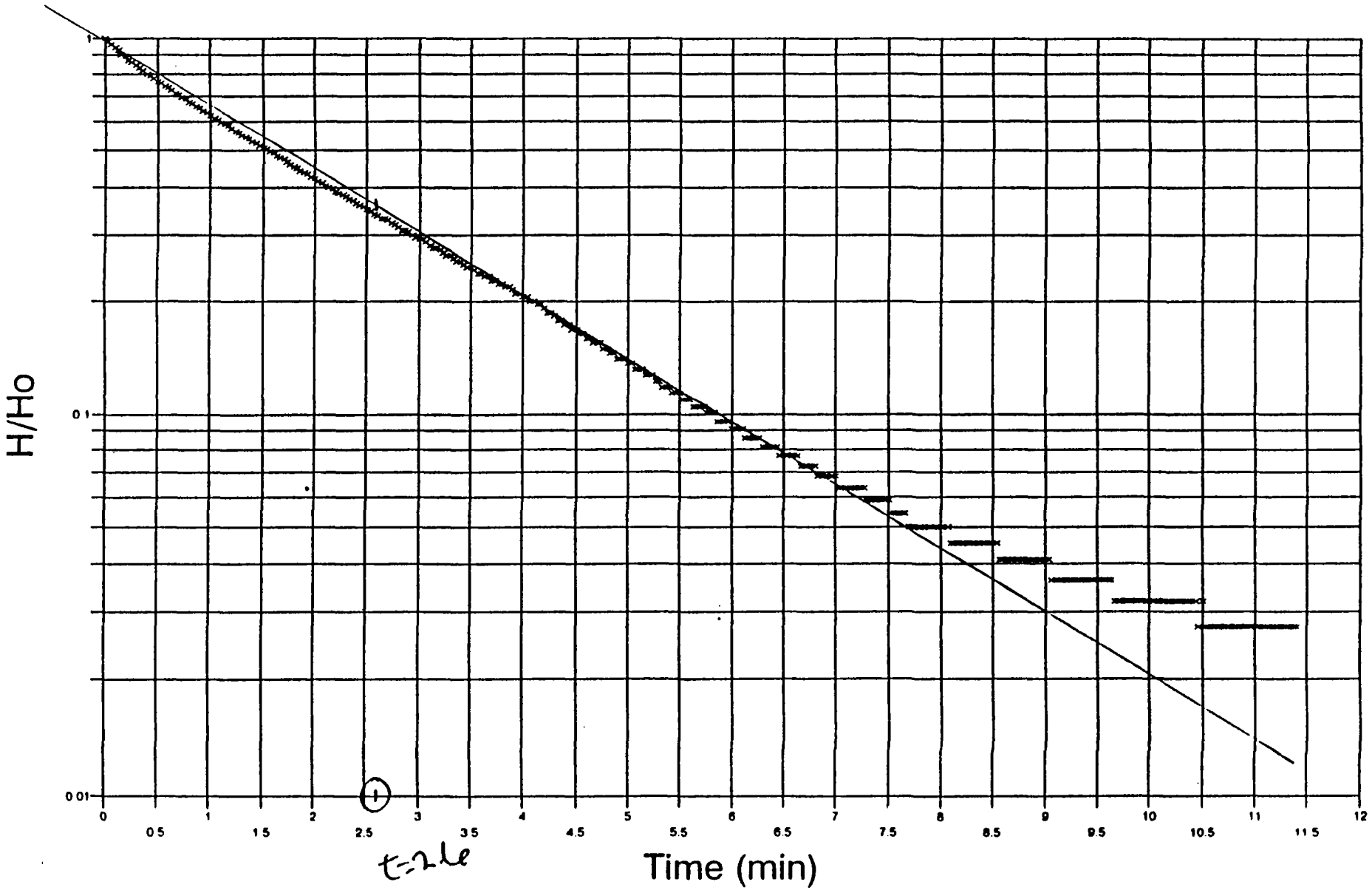
Hvorslev Method

KVF2



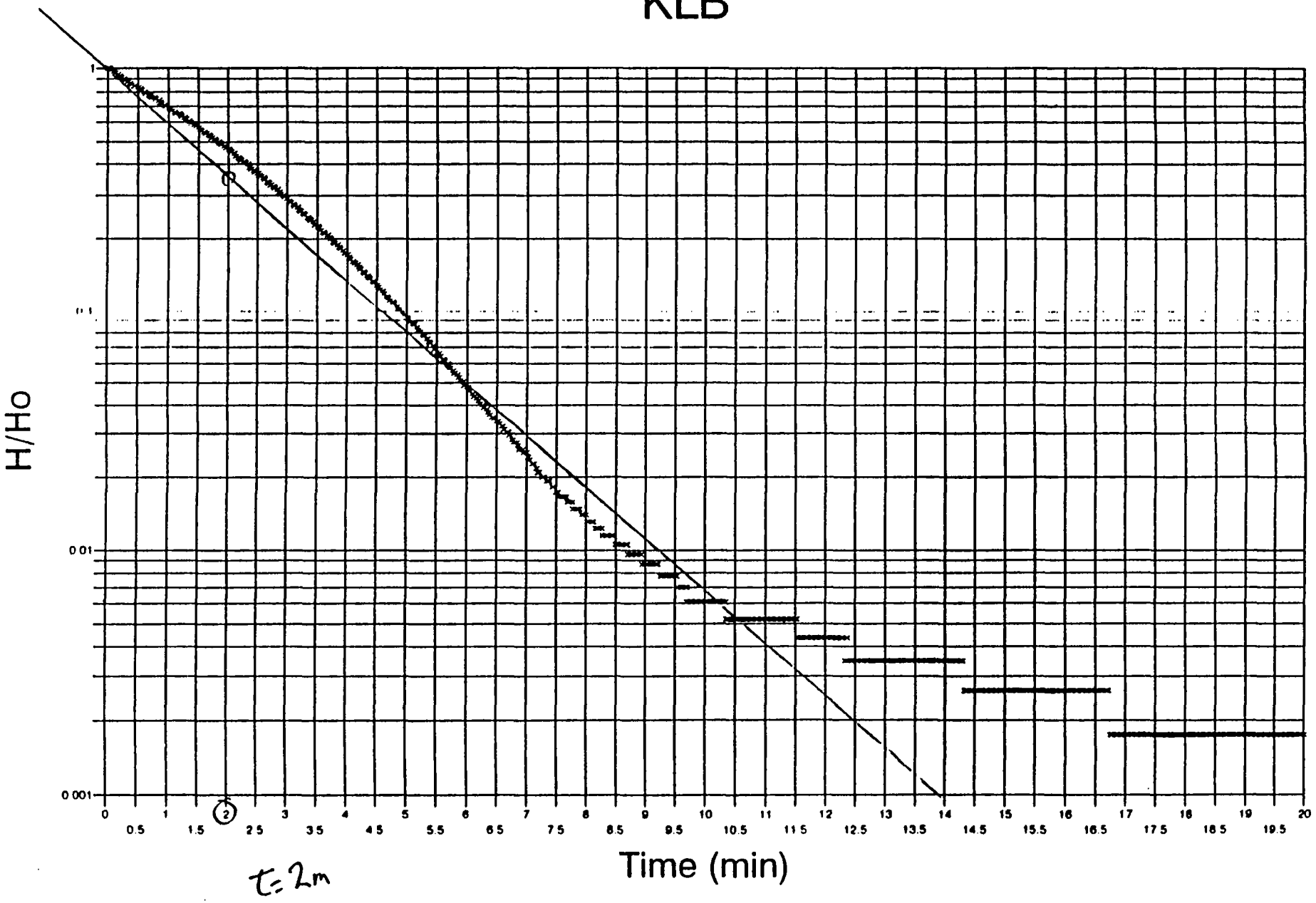
Hvorslev Method

KVF4



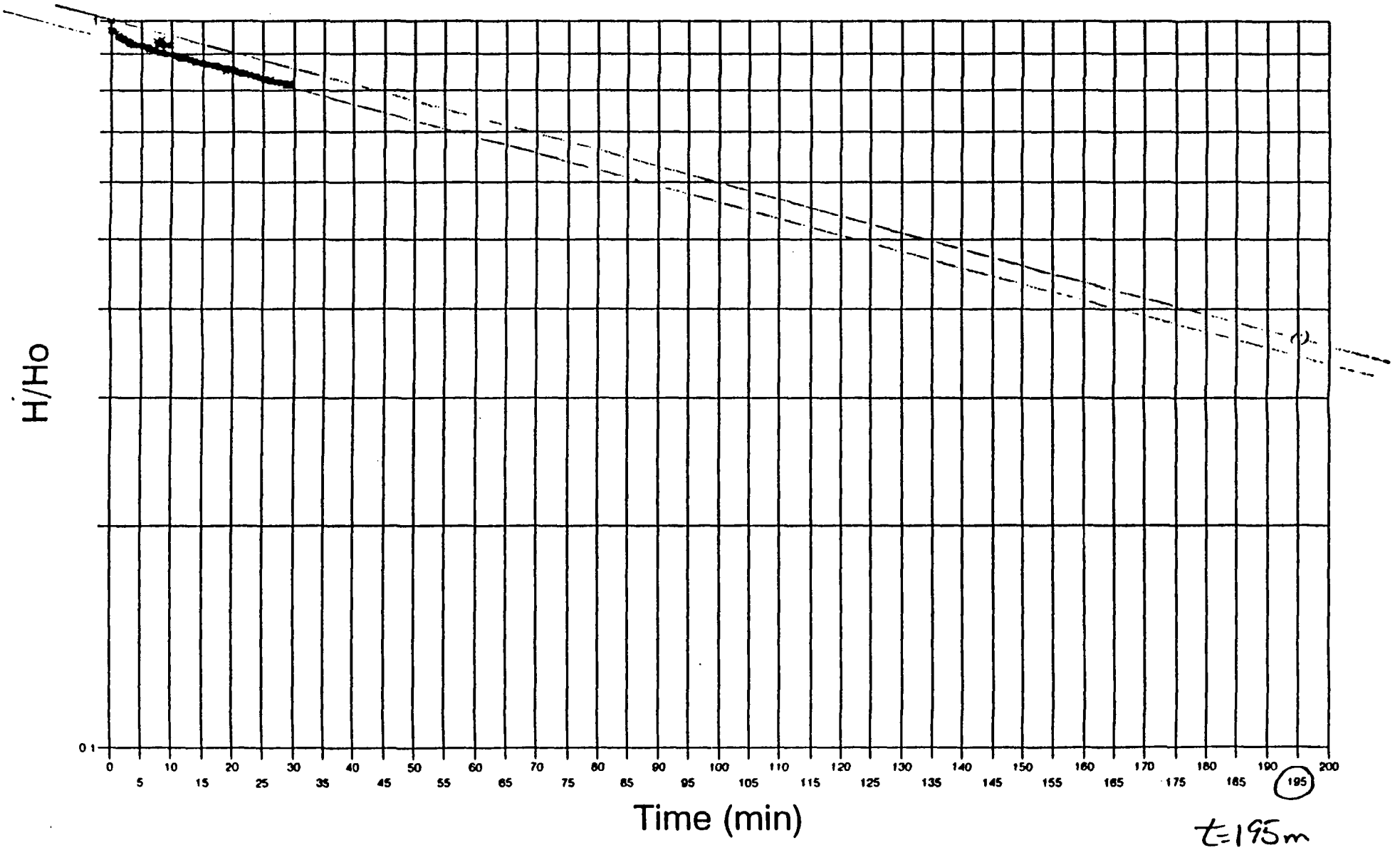
Hvorslev Method

KLB



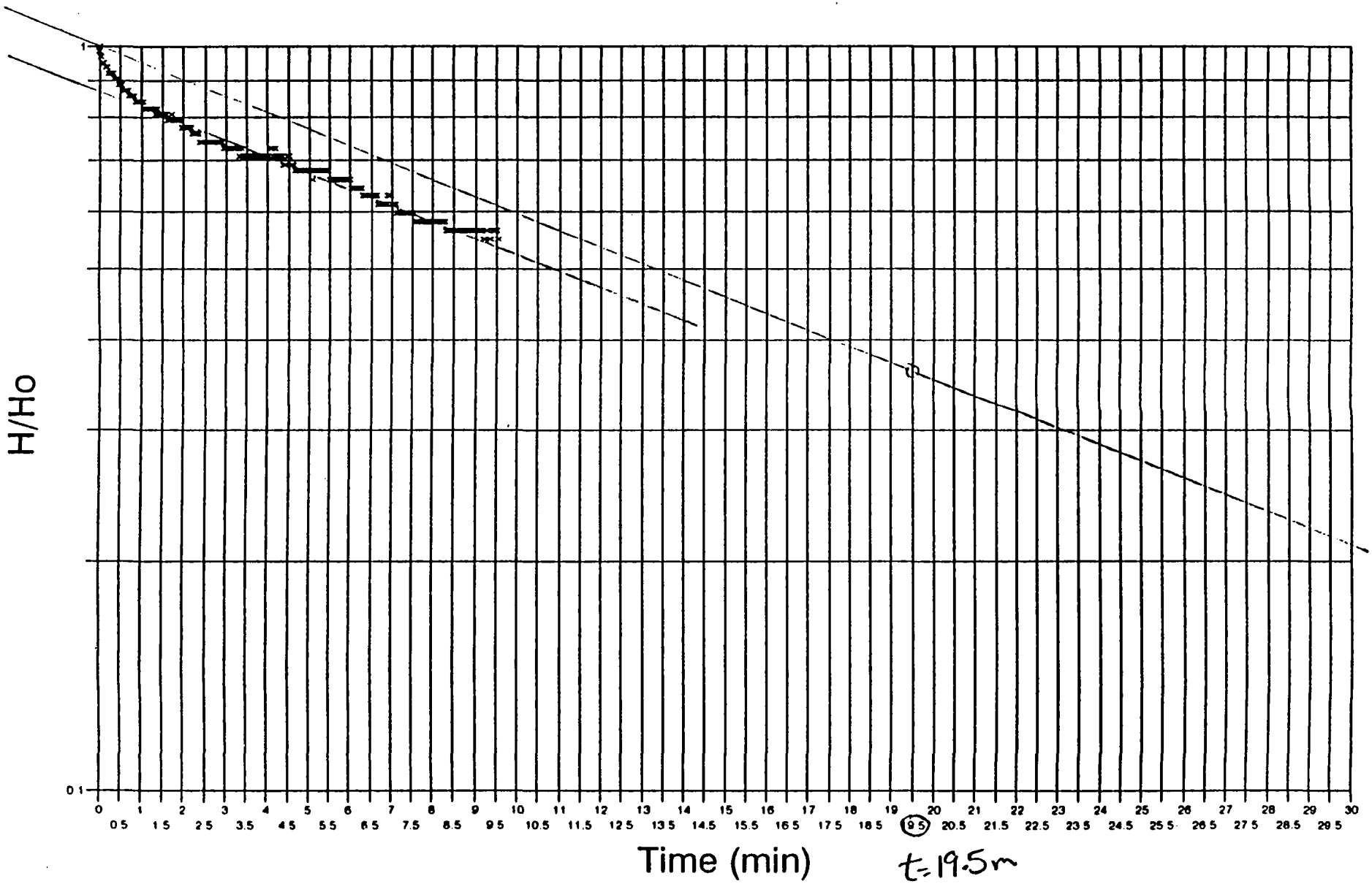
Hvorslev Method

LVF2



Hvorslev Method

LLB



APPENDIX M

Recent Water Level Data

(Plate M-1 Interpreted Shallow Water Table, March 1993)

(Plate M-2 Interpreted Potentiometric Surfaces MKS and Vanport Limestone)

TABLE M1

MONTHLY MONITORING WELL WATER LEVELS: 1993
SHALLOW GROUNDWATER SYSTEM
NEASE SITE, SALEM, OHIO
Note: All Water Level Elevations in Feet Above Mean Sea Level (MSL)

Sampling Date:		3-93		4-93		5-93		7-93	
Well No.	Casing Elevation (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)
A-S	1195.3	8.3	1187	8.24	1187.06	10.66	1184.64	11.1	1184.2
B-S	1198.23	7	1191.23	6.84	1191.39	10.69	1187.54	11.37	1186.86
C-S	1191.85	4.65	1187.2	5.31	1186.54	8.36	1183.49	8.38	1183.47
DVF3	1139.5	0	>1139.5	0	>1139.5	0	>1139.5	0	>1139.5
D-S	1140.2	3	1137.2	3.03	1137.17	3.85	1136.35	3.72	1136.48
EVF1	1149	5.43	1143.57	5.02	1143.98	8.17	1140.83	8.1	1140.9
EVF2	1148.5	9.01	1139.49	9.1	1139.4	10.13	1138.37	10.57	1137.93
EVF3	1149.66	5.01	1144.65	5.2	1144.46	5.9	1143.76	6.12	1143.54
EVF4	1149.4	3.89	1145.51	4.1	1145.3	4.78	1144.62	5.03	1144.37
FVF3	1163.24	12.57	1150.67	12.73	1150.51	13.45	1149.79	13.51	1149.73
FVF4	1163.26	13.3	1149.96	13.48	1149.78	14.2	1149.06	14.27	1148.99
FVF6	1163.28	10.2	1153.08	10.46	1152.82	11.11	1152.17	11.2	1152.08
H-S	1177.4	2.98	1174.42	3.15	1174.25	6.02	1171.38	6	1171.4
HVF1	1171.6	16.34	1155.26	16.56	1155.04	17.11	1154.49	17.08	1154.52
IS	1210.01	16.6	1193.41	17.51	1192.5	18.96	1191.05	18.35	1191.66
JVF2	1146.6	11.32	1135.28	11.21	1135.39	12.51	1134.09	12.71	1133.89
JVF3	1146	10.58	1135.42	10.73	1135.27	11.2	1134.8	11.21	1134.79
JVF4	1146.71	7.48	1139.23	7.51	1139.2	8.27	1138.44	8.34	1138.37
K-S	1137.7	3	1134.7	2.92	1134.78	3.52	1134.18	3.44	1134.26
K-V	1138	0	>1138	0	>1138	0	>1138	0	>1138
LVF1	1170.83	10.53	1160.3	8.49	1162.34	10.09	1160.74	10.5	1160.33
LVF2	1170.2	17.37	1152.83	17.59	1152.61	18.44	1151.76	18.51	1151.69
S-1	1175.59	14.11	1161.48	14.31	1161.28	15.07	1160.52	15.13	1160.46
S-2	1170.06	7.64	1162.42	7.6	1162.46	8.65	1161.41	8.64	1161.42
S-3	1169.31	4.45	1164.86	4.45	1164.86	5.45	1163.86	5.52	1163.79
S-4	1181.18	3.78	1177.4	3.79	1177.39	5.33	1175.85	4.8	1176.38
S-5	1208.51	12.6	1195.91	13.83	1194.68	15.42	1193.09	15.65	1192.86
S-6	1191.09	5.03	1186.06	5.38	1185.71	6.7	1184.39	6.54	1184.55
S-7	1183.34	4.35	1178.99	4.09	1179.25	7.33	1176.01	6.6	1176.74
S-8	1192.12	4.92	1187.2	5.31	1186.81	6.46	1185.66	6.4	1185.72
S-9	1200.76	12.15	1188.61	13.3	1187.46	15.47	1185.29	15.67	1185.09
S-10	1203.08	9.4	1193.68	10.35	1192.73	11.72	1191.36	11.2	1191.88
S-11	1197.96	5.9	1192.06	5.86	1192.1	8.73	1189.23	8.82	1189.14
S-12	1182.05	3.48	1178.57	3.42	1178.63	5.41	1176.64	4.39	1177.66
S-13	1168.94	4.47	1164.47	4.27	1164.67	5.28	1163.66	5.11	1163.83
S-14	1158.7	2.53	1156.17	2.7	1156	3.35	1155.35	3.31	1155.39
S-15	1156.97	1	1155.97	1.82	1155.15	2.43	1154.54	1.82	1155.15
S-16	1159.28	12.6	1146.68	12.81	1146.47	13.88	1145.4	13.37	1145.91
S-17	1157.14	1	1156.14	1.15	1155.99	1.82	1155.32	1.77	1155.37
S-18	1187.05	6.29	1180.76	6.27	1180.78	6.47	1180.58	6.05	1181
S-19	1154.18	0	>1154.18	0	>1154.18	0	>1154.18	0	>1154.18

Note: 1) No sampling event during 6/93.
2) > denotes artesian conditions.

TABLE M1

MONTHLY MONITORING WELL WATER LEVELS: 1993
SHALLOW GROUNDWATER SYSTEM
NEASE SITE, SALEM, OHIO
Note: All Water Level Elevations in Feet Above Mean Sea Level (MSL)

		8-93		9-93		10-93		11-93		12-93	
Well No.	Casing Elevation (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)
A-S	1195.3	12.26	1183.04	13.01	1182.29	13.73	1181.57	13.72	1181.58	13.26	1182.04
B-S	1198.23	12.58	1185.65	13.15	1185.08	13.73	1184.5	13.69	1184.54	13.45	1184.78
C-S	1191.85	9.67	1182.18	10.33	1181.52	10.98	1180.87	9.42	1182.43	8.31	1183.54
DVF3	1139.5	0	>1139.5	0	>1139.5	0	>1139.5	0	>1139.5	0	>1139.5
D-S	1140.2	4.04	1136.16	3.81	1136.39	3.36	1136.84	2.83	1137.37	2.96	1137.24
EVF1	1149	9.56	1139.44	10.59	1138.41	11.32	1137.68	4.95	1144.05	5.92	1143.08
EVF2	1148.5	11.3	1137.2	11.67	1136.83	11.77	1136.73	10.79	1137.71	10.81	1137.69
EVF3	1149.66	6.73	1142.93	7.08	1142.58	7.23	1142.43	6.36	1143.3	6.39	1143.27
EVF4	1149.4	5.64	1143.76	6	1143.4	6.16	1143.24	5.28	1144.12	5.29	1144.11
FVF3	1163.24	14.1	1149.14	14.29	1148.95	14.38	1148.86	13.41	1149.83	13.47	1149.77
FVF4	1163.26	14.85	1148.41	15.05	1148.21	15.15	1148.11	14.19	1149.07	14.24	1149.02
FVF6	1163.28	11.76	1151.52	12.04	1151.24	12.14	1151.14	11.22	1152.06	11.24	1152.04
H S	1177.4	6.8	1170.6	7.07	1170.33	7.44	1169.96	2.82	1174.58	3.24	1174.16
HVF2	1171.6	17.67	1153.93	17.92	1153.68	18.04	1153.56	17.12	1154.48	17.17	1154.43
IS	1210.01	20.29	1189.72	20.79	1189.22	21.89	1188.12	20.24	1189.77	18.75	1191.26
JVF2	1146.6	13.11	1133.49	13.03	1133.57	12.8	1133.8	11.56	1135.04	11.66	1134.94
JVF3	1146	11.51	1134.49	11.46	1134.54	11.2	1134.8	10.4	1135.6	10.47	1135.53
JVF4	1146.71	8.92	1137.79	9.05	1137.66	8.98	1137.73	8.09	1138.62	8.09	1138.62
K-S	1137.7	3.81	1133.89	3.73	1133.97	3.29	1134.41	3.03	1134.67	3.05	1134.65
K-V	1138	0.58	1137.42	0.87	1137.13	0.93	1137.07	0	>1138	0	>1138
LVF1	1170.83	12.4	1158.43	14.04	1156.79	16.75	1154.08	11.52	1159.31	11.22	1159.61
LVF2	1170.2	19.02	1151.18	19.27	1150.93	19.31	1150.89	18.34	1151.86	18.53	1151.67
S-1	1175.59	15.72	1159.87	15.92	1159.67	16.02	1159.57	14.93	1160.66	15.05	1160.54
S-2	1170.06	9.37	1160.69	9.52	1160.54	9.16	1160.9	8.01	1162.05	8.22	1161.84
S-3	1169.31	6.15	1163.16	6.34	1162.97	6.31	1163	4.95	1164.36	5.11	1164.2
S-4	1181.18	5.59	1175.59	5.17	1176.01	4.83	1176.35	4.28	1176.9	4.28	1176.9
S-5	1208.51	15.63	1192.88	15.62	1192.89	15.65	1192.86	15.64	1192.87	15.3	1193.21
S-6	1191.09	7.23	1183.86	7.37	1183.72	7.9	1183.19	6.41	1184.68	6.33	1184.76
S-7	1183.34	7.65	1175.69	7.11	1176.23	8.77	1174.57	4.24	1179.1	4.39	1178.95
S-8	1192.12	7.05	1185.07	7.17	1184.95	7.86	1184.26	6.35	1185.77	6.18	1185.94
S-9	1200.76	16.95	1183.81	17.59	1183.17	18.28	1182.48	17.28	1183.48	16.61	1184.15
S-10	1203.08	13.21	1189.87	13.71	1189.37	14.94	1188.14	13.44	1189.64	11.5	1191.58
S-11	1197.96	10.66	1187.3	11.12	1186.84	12.33	1185.63	9.18	1188.78	7.31	1190.65
S-12	1182.05	5.7	1176.35	5.05	1177	4.72	1177.33	3.81	1178.24	3.62	1178.43
S-13	1168.94	5.63	1163.31	5.9	1163.04	5.71	1163.23	5.03	1163.91	5.39	1163.55
S-14	1158.7	3.9	1154.8	4.06	1154.64	4.08	1154.62	3.15	1155.55	3.32	1155.38
S-15	1156.97	2.7	1154.27	2.67	1154.3	2.2	1154.77	2.15	1154.82	1.77	1155.2
S-16	1159.28	13.73	1145.55	13.85	1145.43	13.74	1145.54	13.02	1146.26	13.17	1146.11
S-17	1157.14	2.35	1154.79	2.52	1154.62	2.44	1154.7	1.63	1155.51	1.79	1155.35
S-18	1187.05	7.79	1179.26	10.33	1176.72	12	1175.05	7.16	1179.89	7.67	1179.38
S-19	1154.18	0	>1154.18	0	>1154.18	0	>1154.18	0	>1154.18	0	>1154.18

TABLE M2

MONTHLY MONITORING WELL WATER LEVELS: 1994
SHALLOW GROUNDWATER SYSTEM
NEASE SITE, SALEM, OHIO
Note: All Water Level Elevations in Feet Above Mean Sea Level (MSL)

Sampling Date:		1-94		2-94		3-94		4-94	
Well No.	Casing Elevation (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)
A-S	1195.3	13	1182.3	11.81	1183.49	9.89	1185.41	8.02	1187.28
B-S	1198.23	13.3	1184.93	12.27	1185.96	8.47	1189.76	7.06	1191.17
C-S	1191.85	7.63	1184.22	6.2	1185.65	4.7	1187.15	4.92	1186.93
DVF3	1139.5	0	>1139.5	0	>1139.5	0	>1139.5	0	>1139.5
D-S	1140.2	1.55	1138.65	2.62	1137.58	2.57	1137.63	2.81	1137.39
EVF1	1149	3.95	1145.05	3.79	1145.21	4.62	1144.38	6.01	1142.99
EVF2	1148.5	9.75	1138.75	9.92	1138.58	9.33	1139.17	9.02	1139.48
EVF3	1149.66	5.76	1143.9	5.92	1143.74	5.34	1144.32	4.96	1144.7
EVF4	1149.4	4.72	1144.68	4.83	1144.57	4.25	1145.15	3.85	1145.55
FVF3	1163.24	13	1150.24	13.11	1150.13	12.63	1150.61	12.47	1150.77
FVF4	1163.26	13.8	1149.46	13.88	1149.38	13.41	1149.85	13.22	1150.04
FVF6	1163.28	10.98	1152.3	11.03	1152.25	10.54	1152.74	10.29	1152.99
H-S	1177.4	2.29	1175.11	3.15	1174.25	2.7	1174.7	3.36	1174.04
HVF1	1171.6	17.15	1154.45	17.03	1154.57	16.53	1155.07	16.37	1155.23
IS	1210.01	17.91	1192.1	17.8	1192.21	16.88	1193.13	16.41	1193.6
JVF2	1146.6	9.96	1136.64	11.02	1135.58	10.94	1135.66	11.43	1135.17
JVF3	1146	9.26	1136.74	10.07	1135.93	9.83	1136.17	10.01	1135.99
JVF4	1146.71	7.63	1139.08	7.77	1138.94	7.42	1139.29	7.63	1139.08
K-S	1137.7	1.88	1135.82	3.13	1134.57	2.99	1134.71	3.15	1134.55
K-V	1138	0	>1138.0	0	>1138.0	0	>1138.0	0	>1138.0
LVF1	1170.83	10.99	1159.84	10.23	1160.6	9.09	1161.74	8.63	1162.2
LVF2	1170.2	18.19	1152.01	18.32	1151.88	17.85	1152.35	17.74	1152.46
S-1	1175.59	14.82	1160.77	14.77	1160.82	14.35	1161.24	14.25	1161.34
S-2	1170.06	7.55	1162.51	7.87	1162.19	7.66	1162.4	7.74	1162.32
S-3	1169.31	4.58	1164.73	4.66	1164.65	4.47	1164.84	4.53	1164.78
S-4	1181.18	3.72	1177.46	4.01	1177.17	3.89	1177.29	4.05	1177.13
S-5	1208.51	15.09	1193.42	14.32	1194.19	12.51	1196	11.51	1197
S-6	1191.09	5.72	1185.37	5.52	1185.57	4.82	1186.27	4.95	1186.14
S-7	1183.34	3.39	1179.95	4.11	1179.23	3.89	1179.45	4.51	1178.83
S-8	1192.12	2.57	1189.55	5.38	1186.74	4.82	1187.3	4.93	1187.19
S-9	1200.76	16.28	1184.48	15.42	1185.34	13.42	1187.34	12.36	1188.4
S-10	1203.08	10.7	1192.38	10.66	1192.42	9.62	1193.46	9.18	1193.9
S-11	1197.96	5.95	1192.01	6.5	1191.46	5.9	1192.06	6.17	1191.79
S-12	1182.05	2.07	1179.98	3.27	1178.78	3.19	1178.86	3.65	1178.4
S-13	1168.94	2.68	1166.26	4.52	1164.42	4.28	1164.66	4.57	1164.37
S-14	1158.7	NA	NA	3.13	1155.57	2.72	1155.98	2.49	1156.21
S-15	1156.97	NA	NA	1.65	1155.32	0.9	1156.07	1.87	1155.1
S-16	1159.28	12.51	1146.77	12.97	1146.31	12.57	1146.71	12.51	1146.77
S-17	1157.14	NA	NA	1.63	1155.51	1.25	1155.89	1.07	1156.07
S-18	1187.05	6.51	1180.54	7.02	1180.03	6.81	1180.24	6.69	1180.36
S-19	1154.18	0	>1154.18	0	>1154.18	0	>1154.18	0	>1154.18

Note: 1) NA = Not Available due to access issues.
2) > denotes artesian conditions.

TABLE M2

MONTHLY MONITORING WELL WATER LEVELS: 1994
SHALLOW GROUNDWATER SYSTEM
NEASE SITE, SALEM, OHIO
Note: All Water Level Elevations in Feet Above Mean Sea Level (MSL)

		5-94		6-94		7-94		9-94		10-94	
Well No.	Casing Elevation (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)
A-S	1195.3	10.3	1185	11.45	1183.85	12.23	1183.07	12.98	1182.32	13.57	1181.73
B-S	1198.23	10.24	1187.99	11.73	1186.5	12.38	1185.85	13.08	1185.15	13.61	1184.62
C-S	1191.85	8.24	1183.61	9.36	1182.49	10	1181.85	10.59	1181.26	10.88	1180.97
DVF3	1139.5	0	>1139.5	0	>1139.5	0	>1139.5	0	>1139.5	0	>1139.5
D-S	1140.2	3.54	1136.66	4.12	1136.08	4.24	1135.96	3.77	1136.43	3.62	1136.58
EVF1	1149	8.18	1140.82	8.95	1140.05	9.6	1139.4	9.34	1139.66	8.62	1140.38
EVF2	1148.5	9.89	1138.61	10.71	1137.79	11.11	1137.39	11.41	1137.09	11.38	1137.12
EVF3	1149.66	5.71	1143.95	6.36	1143.3	6.7	1142.96	6.97	1142.69	7.01	1142.65
EVF4	1149.4	4.6	1144.8	5.26	1144.14	5.6	1143.8	5.89	1143.51	5.95	1143.45
FVF3	1163.24	13.21	1150.03	13.84	1149.4	14.12	1149.12	14.24	1149	14.22	1149.02
FVF4	1163.26	13.98	1149.28	14.61	1148.65	14.89	1148.37	15.01	1148.25	14.99	1148.27
FVF6	1163.28	10.95	1152.33	11.59	1151.69	11.93	1151.35	11.99	1151.29	11.95	1151.33
H-S	1177.4	5.99	1171.41	6.6	1170.8	6.96	1170.44	6.73	1170.67	6.62	1170.78
HVF1	1171.6	17.03	1154.57	17.5	1154.1	17.72	1153.88	17.93	1153.67	17.92	1153.68
IS	1210.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
JVF2	1146.6	12.19	1134.41	12.93	1133.67	13.1	1133.5	13.17	1133.43	12.9	1133.7
JVF3	1146	10.55	1135.45	11.13	1134.87	11.33	1134.67	11.49	1134.51	11.43	1134.57
JVF4	1146.71	7.94	1138.77	8.63	1138.08	8.85	1137.86	9.03	1137.68	8.94	1137.77
K-S	1137.7	3.45	1134.25	3.88	1133.82	3.95	1133.75	3.75	1133.95	3.55	1134.15
K-V	1138	0	>1138.0	0.35	1137.65	0.68	1137.32	0.9	1137.1	0.85	1137.15
LVF1	1170.83	10.28	1160.55	11.7	1159.13	13.02	1157.81	14.81	1156.02	16.05	1154.78
LVF2	1170.2	18.35	1151.85	18.83	1151.37	19.07	1151.13	19.3	1150.9	19.28	1150.92
S-1	1175.59	14.94	1160.65	15.55	1160.04	15.79	1159.8	16.05	1159.54	16.05	1159.54
S-2	1170.06	8.42	1161.64	9.12	1160.94	9.42	1160.64	9.5	1160.56	9.31	1160.75
S-3	1169.31	5.22	1164.09	5.88	1163.43	6.07	1163.24	6.17	1163.14	6.15	1163.16
S-4	1181.18	4.56	1176.62	5.76	1175.42	5.92	1175.26	5.63	1175.55	5.3	1175.88
S-5	1208.51	14.55	1193.96	15.63	1192.88	15.61	1192.9	15.62	1192.89	15.63	1192.88
S-6	1191.09	6.45	1184.64	6.8	1184.29	7.12	1183.97	7.4	1183.69	7.75	1183.34
S-7	1183.34	6.19	1177.15	7.77	1175.57	8.34	1175	8.11	1175.23	7.72	1175.62
S-8	1192.12	6.2	1185.92	6.48	1185.64	6.95	1185.17	7.29	1184.83	7.73	1184.39
S-9	1200.76	15.65	1185.11	16.61	1184.15	17.19	1183.57	17.73	1183.03	18.16	1182.6
S-10	1203.08	10.97	1192.11	12.25	1190.83	13.07	1190.01	13.84	1189.24	14.83	1188.25
S-11	1197.96	9.31	1188.65	9.95	1188.01	10.94	1187.02	11.24	1186.72	12.52	1185.44
S-12	1182.05	4.99	1177.06	6.03	1176.02	5.88	1176.17	5.76	1176.29	5.89	1176.16
S-13	1168.94	5.33	1163.61	5.66	1163.28	5.67	1163.27	5.64	1163.3	5.63	1163.31
S-14	1158.7	3.17	1155.53	3.66	1155.04	3.83	1154.87	4.01	1154.69	4.02	1154.68
S-15	1156.97	2.3	1154.67	2.62	1154.35	2.63	1154.34	1.45	1155.52	2.88	1154.09
S-16	1159.28	12.97	1146.31	13.52	1145.76	13.83	1145.45	14.12	1145.16	14.08	1145.2
S-17	1157.14	1.78	1155.36	2.23	1154.91	2.41	1154.73	2.57	1154.57	2.54	1154.6
S-18	1187.05	7.57	1179.48	8.97	1178.08	10.5	1176.55	11.36	1175.69	11.36	1175.69
S-19	1154.18	0	>1154.18	0	>1154.18	0	>1154.18	0	>1154.18	0	>1154.18

Note: 1) NA = Not Available due to access issues.
2) No sampling during 8/94.

TABLE M3
MONTHLY MONITORING WELL WATER LEVELS: 1993
DEEP GROUNDWATER SYSTEM
NEASE SITE, SALEM, OHIO

Sampling Date:		3-93		4-93		5-93		7-93		8-93	
Monitor Well	Casing Elevation (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)
AUBA	1196.31	27.88	1168.43	28.56	1167.75	29.34	1166.97	29.26	1167.05	30.02	1166.29
CLBA	1191.8	102	1089.8	97.59	1094.21	80.41	1111.39	62.81	1128.99	51.8	1140
CUBA	1192	8.21	1183.79	9.17	1182.83	10.2	1181.8	10.27	1181.73	11.03	1180.97
DLBA*	1140.52	NS	-	NS	-	NS	-	NS	-	NS	-
D1	1200.26	21.7	1178.56	22.58	1177.68	23.55	1176.71	23.39	1176.87	24.3	1175.96
D10	1163.18	9.57	1153.61	9.9	1153.28	10.53	1152.65	10.69	1152.49	11.22	1151.96
D11	1184.47	22.95	1161.52	23.15	1161.32	23.9	1160.57	23.7	1160.77	24.46	1160.01
D12	1182.56	21.39	1161.17	21.58	1160.98	22.37	1160.19	22.24	1160.32	22.98	1159.58
D13	1184.97	29.08	1155.89	29.14	1155.83	29.61	1155.36	29.77	1155.2	30.31	1154.66
D14	1165.96	5.41	1160.55	5.12	1160.84	5.57	1160.39	5.87	1160.09	6.34	1159.62
D15	1164.12	5.94	1158.18	6.1	1158.02	6.81	1157.31	6.75	1157.37	7.39	1156.73
D16	1149	0	>1149.0	0	>1149.0	0	>1149.0	0	>1149.0	0	>1149.0
D17	1161.33	3.62	1157.71	3.77	1157.56	4.47	1156.86	4.39	1156.94	5.02	1156.31
D2	1182.88	23.51	1159.37	23.72	1159.16	24.54	1158.34	24.4	1158.48	25.2	1157.68
D3	1169.58	8.28	1161.3	8.54	1161.04	9.4	1160.18	9.34	1160.24	10.01	1159.57
D4	1181.95	19.87	1162.08	20.02	1161.93	20.71	1161.24	20.84	1161.11	21.25	1160.7
D5	1214.48	29.71	1184.77	30.63	1183.85	31.56	1182.92	31.38	1183.1	32.48	1182
D6	1191.12	22.84	1168.28	22.72	1168.4	23.05	1168.07	23.02	1168.1	23.19	1167.93
D7	1158.72	2.56	1156.16	2.72	1156	3.38	1155.34	3.34	1155.38	3.92	1154.8
D8	1157.48	1.19	1156.29	1.35	1156.13	2.02	1155.46	1.95	1155.53	2.54	1154.94
D9	1159.1	14.83	1144.27	14.89	1144.21	15.41	1143.69	15.53	1143.57	16.11	1142.99
ELBA	1148.84	1.47	1147.37	1.72	1147.12	2.32	1146.52	2.57	1146.27	3.19	1145.65
FLBA	1163.48	9.64	1153.84	10.03	1153.45	10.69	1152.79	10.97	1152.51	11.39	1152.09
GUBA	1159	2.62	1156.38	3.04	1155.96	3.71	1155.29	3.63	1155.37	4.25	1154.75
HUBA	1172.04	16.03	1156.01	16.18	1155.86	16.83	1155.21	16.78	1155.26	17.4	1154.64
I-SHALE	1209.96	16.6	1193.36	17.5	1192.46	18.93	1191.03	18.32	1191.64	20.27	1189.69
ILBA	1210.01	42.3	1167.71	42.1	1167.91	42.51	1167.5	43.06	1166.95	43.16	1166.85
IUBA	1210.16	26.13	1184.03	27.06	1183.1	28.07	1182.09	27.86	1182.3	28.92	1181.24
JLBA	1146.81	4.52	1142.29	4.6	1142.21	5.06	1141.75	5.23	1141.58	5.85	1140.96
KLBA	1140.99	0	1140.99	0	1140.99	0.21	1140.78	0.4	1140.59	1.09	1139.9
LLBA	1170.61	21.24	1149.37	21.46	1149.15	21.97	1148.64	22.21	1148.4	22.78	1147.83

* DLBA has a bolted cap. During construction, 11 ft. of artesian head was measured.

NS = Not sampled

NA = Not available due to access issues

No sampling event during 6/93

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TABLE M3
MONTHLY MONITORING WELL WATER LEVELS: 1993
DEEP GROUNDWATER SYSTEM
NEASE SITE, SALEM, OHIO

Sampling Date:		9-93		10-93		11-93		12-93	
Monitor Well	Casing Elevation (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)
AUBA	1196.31	30.21	1166.1	30.08	1166.23	29.43	1166.88	29.22	1167.09
CLBA	1191.8	44.62	1147.18	37.52	1154.28	32.17	1159.63	30.29	1161.51
CUBA	1192	11.24	1180.76	11.19	1180.81	10.53	1181.47	10.14	1181.86
DLBA*	1140.52	NS	-	NS	-	NS	-	NS	-
D1	1200.26	24.41	1175.85	24.32	1175.94	23.58	1176.68	23.31	1176.95
D10	1163.18	11.56	1151.62	11.66	1151.52	10.75	1152.43	10.76	1152.42
D11	1184.47	24.54	1159.93	24.6	1159.87	23.89	1160.58	23.07	1161.4
D12	1182.56	23.11	1159.45	23.08	1159.48	22.32	1160.24	22.21	1160.35
D13	1184.97	30.68	1154.29	30.79	1154.18	30.33	1154.64	30.13	1154.84
D14	1165.96	6.64	1159.32	6.75	1159.21	6.33	1159.63	6.08	1159.88
D15	1164.12	7.54	1156.58	7.5	1156.62	6.51	1157.61	6.73	1157.39
D16	1149	0	>1149.0	0	>1149.0	0	>1149.0	0	>1149.0
D17	1161.33	5.18	1156.15	5.15	1156.18	4.17	1157.16	4.39	1156.94
D2	1182.88	25.33	1157.55	25.39	1157.49	24.71	1158.17	24.55	1158.33
D3	1169.58	10.15	1159.43	10.21	1159.37	9.1	1160.48	9.28	1160.3
D4	1181.95	21.35	1160.6	21.28	1160.67	20.63	1161.32	20.54	1161.41
D5	1214.48	32.52	1181.96	32.62	1181.86	31.84	1182.64	31.32	1183.16
D6	1191.12	23.21	1167.91	23.35	1167.77	23.21	1167.91	23.05	1168.07
D7	1158.72	4.08	1154.64	4.1	1154.62	3.19	1155.53	3.35	1155.37
D8	1157.48	2.71	1154.77	2.72	1154.76	1.8	1155.68	1.97	1155.51
D9	1159.1	16.16	1142.94	16.2	1142.9	15.32	1143.78	15.32	1143.78
ELBA	1148.84	3.57	1145.27	3.72	1145.12	2.91	1145.93	2.86	1145.98
FLBA	1163.48	11.77	1151.71	11.86	1151.62	11.06	1152.42	11.02	1152.46
GUBA	1159	4.36	1154.64	4.42	1154.58	3.51	1155.49	3.67	1155.33
HUBA	1172.04	17.53	1154.51	17.62	1154.42	16.69	1155.35	16.81	1155.23
I-SHALE	1209.96	20.77	1189.19	21.88	1188.08	20.21	1189.75	18.73	1191.23
ILBA	1210.01	43.45	1166.56	43.5	1166.51	43.92	1166.09	44.13	1165.88
IUBA	1210.16	28.99	1181.17	29.03	1181.13	28.24	1181.92	27.83	1182.33
JLBA	1146.81	6.15	1140.66	6.25	1140.56	5.3	1141.51	5.32	1141.49
KLBA	1140.99	1.4	1139.59	1.55	1139.44	0.55	1140.44	0.55	1140.44
LLBA	1170.61	23.1	1147.51	23.15	1147.46	22.43	1148.18	22.4	1148.21

* DLBA has a bolted cap. During construction, 11 ft. of artesian head was measured.

NS = Not sampled

NA = Not available due to access issues

No sampling event during 6/93

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TABLE M4
MONTHLY MONITORING WELL WATER LEVELS: 1994
DEEP GROUNDWATER SYSTEM
NEASE SITE, SALEM, OHIO
Note: All Water Level Elevations in Feet Above Mean Sea Level (MSL)

Sampling Date:		1-94		2-94		3-9		4-94		5-94	
Monitor Well	Casing Elevation (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)
AUBA	1196.31	28.9	1167.41	28.95	1167.36	28.27	1168.04	28.31	1168	29.24	1167.07
CLBS	1191.8	26.96	1164.84	25.16	1166.64	23.25	1168.55	21.62	1170.18	20.26	1171.54
CUBA	1192	10.3	1181.7	9.88	1182.12	8.98	1183.02	8.83	1183.17	10.11	1181.89
DLBA*	1140.52	NS	-	NS	-	NS	-	NS	-	NS	-
D1	1200.26	23.03	1177.23	23.07	1177.19	22.22	1178.04	22.14	1178.12	23.3	1176.96
D10	1163.18	10.47	1152.71	10.55	1152.63	10.06	1153.12	9.78	1153.4	10.4	1152.78
D11	1184.47	21.9	1162.57	23.43	1161.04	22.96	1161.51	22.92	1161.55	23.63	1160.84
D12	1182.56	21.64	1160.92	21.99	1160.57	21.52	1161.04	21.5	1161.06	22.22	1160.34
D13	1184.97	29.92	1155.05	29.84	1155.13	29.52	1155.45	29.03	1155.94	29.48	1155.49
D14	1165.96	4.67	1161.29	5.61	1160.35	5.57	1160.39	5.47	1160.49	5.57	1160.39
D15	1164.12	6.15	1157.97	6.5	1157.62	6.09	1158.03	6.05	1158.07	6.76	1157.36
D16	1149	0	>1149.0	0	>1149.0	0	>1149.0	0	>1149.0	0	>1149.0
D17	1161.33	3.82	1157.51	4.17	1157.16	3.76	1157.57	3.71	1157.62	4.42	1156.91
D2	1182.88	23.34	1159.54	24.22	1158.66	23.76	1159.12	23.71	1159.17	24.46	1158.42
D3	1169.58	8.94	1160.64	9.09	1160.49	8.69	1160.89	8.63	1160.95	9.39	1160.19
D4	1181.95	20.19	1161.76	20.33	1161.62	19.99	1161.96	20.01	1161.94	20.51	1161.44
D5	1214.48	31.23	1183.25	31.08	1183.4	30.11	1184.37	29.86	1184.62	30.93	1183.55
D6	1191.12	22.75	1168.37	23.06	1168.06	22.76	1168.36	22.98	1168.14	23.04	1168.08
D7	1158.72	NS	1158.72	3.13	1155.59	2.72	1156	2.63	1156.09	3.32	1155.4
D8	1157.48	NS	1157.48	1.75	1155.73	1.34	1156.14	1.25	1156.23	1.95	1155.53
D9	1159.1	15	1144.1	15.05	1144.05	14.61	1144.49	14.36	1144.74	14.88	1144.22
ELBA	1148.84	2.37	1146.47	2.56	1146.28	2.05	1146.79	1.67	1147.17	2.25	1146.59
FLBA	1163.48	10.7	1152.78	10.76	1152.72	10.34	1153.14	9.95	1153.53	10.4	1153.08
GUBA	1159	3.33	1155.67	3.46	1155.54	3.05	1155.95	2.95	1156.05	3.66	1155.34
HUBA	1172.04	16.57	1155.47	16.61	1155.43	16.07	1155.97	16.06	1155.98	16.75	1155.29
I-SHALE	1209.96	17.68	1192.28	17.77	1192.19	16.86	1193.1	16.38	1193.58	NA	NA
ILBA	1210.01	44.21	1165.8	44.25	1165.76	44.3	1165.71	43.94	1166.07	NA	NA
IUBA	1210.16	27.78	1182.38	27.73	1182.43	26.8	1183.36	26.61	1183.55	NA	NA
JLBA	1146.81	4.81	1142	5.02	1141.79	4.62	1142.19	4.43	1142.38	4.9	1141.91
KLBA	1140.99	0	1140.99	0.23	1140.76	0	1140.99	0	1140.99	0.14	1140.85
LLBA	1170.61	22.52	1148.09	22.18	1148.43	21.81	1148.8	21.42	1149.19	21.89	1148.72

* DLBA has a bolted cap. During construction, 11. ft. of artesian head was measured.

NS = Not sampled.

NA = Not Available due to access issues.

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TABLE M4

MONTHLY MONITORING WELL WATER LEVELS: 1994

DEEP GROUNDWATER SYSTEM

NEASE SITE, SALEM, OHIO

Note: All Water Level Elevations in Feet Above Mean Sea Level (MSL)

Sampling Date:		6-94		7-94		9-94		10-94	
Monitor Well	Casing Elevation (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)	Depth To Water (ft)	Water Level (MSL)
AUBA	1196.31	30.01	1166.3	30.5	1136.91	30.18	1137.18	29.92	1138.12
CLBA	1191.8	19.12	1172.68	18.35	1146.49	17.4	1149.24	16.62	1151.93
CUBA	1192	11.11	1180.89	11.52	1170.18	11.47	1170.65	11.35	1171.67
DLBA*	1140.52	NS	-	NS	-	NS	-	NS	-
D1	1200.26	24.19	1176.07	24.6	1152.63	24.42	1152.77	24.21	1153.83
D10	1163.18	11.08	1152.1	11.4	1141.31	11.5	1141.13	11.47	1141.65
D11	1184.47	24.18	1160.29	24.5	1138.07	24.58	1136.46	24.51	1137
D12	1182.56	22.81	1159.75	23.07	1137.85	23.21	1137.36	23.15	1137.89
D13	1184.97	30.1	1154.87	30.45	1124.6	30.6	1124.53	30.58	1124.87
D14	1165.96	6.17	1159.79	6.42	1154.87	6.52	1153.83	6.5	1153.89
D15	1164.12	7.23	1156.89	7.45	1150.52	7.62	1150	7.52	1150.51
D16	1149	0	>1149.0	0	>1149.0	0.33	1148.67	0.33	1148.67
D17	1161.33	4.9	1156.43	5.07	1152.44	5.25	1151.91	5.16	1152.41
D2	1182.88	25.03	1157.85	25.35	1134.19	25.46	1133.2	25.47	1133.65
D3	1169.58	9.98	1159.6	10.18	1150.46	10.38	1150.11	10.34	1150.55
D4	1181.95	21.02	1160.93	21.24	1140.52	21.46	1140.16	21.37	1140.59
D5	1214.48	32.21	1182.27	32.66	1150.59	32.69	1150.71	32.69	1151.68
D6	1191.12	23.16	1167.96	23.26	1145.11	23.24	1144.82	23.27	1145.09
D7	1158.72	3.8	1154.92	3.98	1154.74	4.13	1151.46	4.08	1151.92
D8	1157.48	2.42	1155.06	2.6	1154.88	2.76	1152.97	2.7	1153.44
D9	1159.1	15.56	1143.54	15.82	1128.28	16.01	1128.04	15.95	1128.54
ELBA	1148.84	2.89	1145.95	3.21	1143.26	3.41	1142.87	3.41	1143.38
FLBA	1163.48	11.1	1152.38	11.44	1141.34	11.58	1141.14	11.57	1141.57
GUBA	1159	4.12	1154.88	4.3	1151.37	4.45	1151.09	4.4	1151.55
HUBA	1172.04	17.25	1154.79	17.45	1138.02	17.6	1137.83	17.58	1138.39
I-SHALE	1209.96	NA	NA	NA	NA	NA	NA	NA	NA
ILBA	1210.01	NA	NA	NA	NA	NA	NA	NA	NA
IUBA	1210.16	NA	NA	NA	NA	NA	NA	NA	NA
JLBA	1146.81	5.61	1141.2	5.9	1136.1	6.12	1135.67	6.09	1136.1
KLBA	1140.99	0.87	1140.12	1.21	1139.78	1.47	1139.29	1.43	1139.56
LLBA	1170.61	22.52	1148.09	22.82	1125.27	22.99	1125.44	23.02	1125.78

* DLBA has a bolted cap. During construction, 11. ft. of artesian head was measured.

NS = Not sampled.

NA = Not Available due to access issues.

No sampling event during 8/94

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