Sheila Sullivan

REMEDIAL INVESTIGATION REPORT
VOLUME 4 OF 4

NEASE SITE, SALEM, OHIO

Appendix K - Laboratory Analytical Results
- Air
- Off-Site Pond Borings
- Test Pit
- On-Site Pond Borings
- On-Site Pond Boring Physical Parameters
- MFLBC Surface Water
- MFLBC Sediment
- MFLBC Floodplain
- Residential Wells
- Production Well - Standing Water
- Production Well - Packer Samples

Appendix L - Aquifer Slug Test Results and Analysis

Appendix M - Recent Water Level Data, Plates M-1 and M-2

Submitted by :

RUETGERS-NEASE CORPORATION

STATE COLLEGE, PENNSYLVANIA

US EPA RECORDS CENTER REGION 5

REVISED NOVEMBER 1994
(WITH INSERTS)

Appendix K of the RI Report

Laboratory Analytical Results

Nease Chemical Company – Salem, Ohio Site

Volume 4 of 4

- Groundwater (Rounds 1 and 2)
- Air
- Off-Site Soil Borings
- Test Pit
- On-Site Pond Borings
- On-Site Pond Boring Physical Parameters
- MFLBC Surface Water
- MFLBC Sediment
- MFLBC Floodplain
- MFLBC Fish Tissue
- Residential Wells
- Production Well – Standing Water
- Production Well – Packer Samples

July 6, 1993: Revision 1
April 5, 1991: Original Submittal

Submitted by

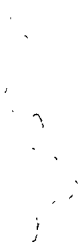
Ruetgers-Nease Chemical Company, Inc.

State College, Pennsylvania

APPENDIX K

SUMMARY OF ANALYTICAL LABORATORY RESULTS

- AIR SAMPLES
- OFF-SITE SOIL BORINGS
- TEST PITS
- ON-SITE POND BORINGS
- ON-SITE POND BORING PHYSICAL PARAMETERS
- MFLBC SURFACE WATER
- MFLBC SEDIMENT
- MFLBC FLOODPLAIN
- MFLBC FISH TISSUE
- RESIDENTIAL WELLS
- PRODUCTION WELL - STANDING WATER
- PRODUCTION WELL - PACKER SAMPLES



NOTE:

Process used to choose a result between a primary sample and its dilution:

1. If the result from both primary and dilution were non-qualified, the higher result was chosen.

2. If a result was above the linear range of the calibration in the primary sample, the result was taken from the dilution. This is true even if the dilution result is lower and/or qualified in the dilution.

3. If the primary result was BDL and the dilution yielded a positive value, the result from the dilution was chosen.

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-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

VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	RNS-GW-S7-106	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	V059	V058	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

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

VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	RNS-GW-S20	RNS-GW-S20-DL	RNS-GW-S18	RNS-GW-S22	RNS-GW-S18-209	RNS-GW-S19	RNS-GW-D1	RNS-GW-D1-104
Laboratory Sample Number		V075	V075	V104	V105	V109	V100	VO40	VO41
Remarks		Duplicate of RNS-GW-S17	Duplicate of RNS-GW-S17		Duplicate of RNS-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-Dichloroethene	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	10/26/92	10/26/92
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

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 Chlonde	10					UJ	UJ		110 J
Chloroethane	10					UJ	UJ	UJ	
Methylene Chlonde	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 Tetrachlonde	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

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-D10-209	RNS-GW-D11
Laboratory Sample Number		V067	V067	V074	V074	V070	VO34	VO35	V093
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	38	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		11/08/92	11/08/92	11/09/92	11/09/92	11/08/92	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

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	8500	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

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		V086D	V013	V015	V083	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	11/03/92
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

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

VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	RNS-GW-CUB	RNS-GW-CLB	RNS-GW-DVF2	RNS-GW-DVF3	RNS-GW-DLB	RNS-GW-EVF1	RNS-GW-EVF2	RNS-GW-EVF3
Laboratory Sample Number		V006	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

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	V026	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

VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS -	RNS-GW-GUB	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	VO30	VO29	VO31	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

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

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		V008	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

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 .F4	RNS GW-E-VF6	RNS GW-E-VFB-103	RNS-GW-I-I	RNS-GW-I-S	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 F6	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 ORGANIC 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 ORGANIC ANALYSIS							
ERM-MW Sample Number	RNS-GW-FLB	RNS-GW-D10	RNS-GW-D10-209	RNS-GW-AUB	RNS-GW-AS	RNS-GW-AVF1	RNS-GW-BS
Laboratory Sample Number	V033	V034	V035	V036	V037	V038	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 ORGANIC ANALYSIS							
ERM-MW Sample Number	RNS-GW-BSDL	RNS-GW-D1	RNS-GW-D1-104	RNS-GW-S9	RNS-GW-L-VF2	RNS-GW-L-VF1	RNS-GW-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	RNS-GW-L-VF3	RNS-GW-L-LB210	RNS-GW-J-LB
Laboratory Sample Number	V046	V047	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[illegible]NIC ANALYSIS							
ERM-Midwest Sam, .umber Laboratory Sample Number	RNS GW-J-VF2 V051	RNS-GW-J-VF3 V052	.S-GW-J-VF4 V053	RNS-GW-S-1 V054	RNS GW-J-VF4-211 V055	RNS-GW-D5 V056	R I-S5 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[illegible]NIC ANALYSIS							
ERM-Midwest Sam[illegible]umber Laboratory Sample Number	RNS-GW-S11 V058	RNS-GW-S10 V059	[illegible]NS-GW-D4 V060	RNS-GW-D4-RE V060	RNS-GW-S4 V061	RNS-GW-D-3 V062	RN[illegible]W-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 Laboratory Sample Number	RNS GW-D-18 V064	RNS-GW-D-3-212 V065	.NS-GW-S14 V066	RNS-GW-D7 V067	RNS-GW D7 DL V067	RNS-GW-D9 V070	RN GW-S18 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[illegible]NIC ANALYSIS							
ERM-Midwest Sam[illegible].umber Laboratory Sample Number	RNS GW-S16-105 V072	RNS-GW-S17 V073	.S-GW-S17-DL V073	RNS-GW-D8 V074	RNS-GW D8 DL V074	RNS-GW-S20 V075	RNS-[illegible]-S20-DL 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 Laboratory Sample Number	RNS-GW-S13 V076	RNS-GW S13DL V076	RNS-GW-S2 V077	RNS-GW-D14 V078	RNS-GW-D19 V079	RNS-GW-D14-213 V080	RNS GW-S15 V081	RNS GW-D17 V083	RNS GW-D15 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 Laboratory Sample Number	RNS-GW-S7 V092	RNS GW-D11 V093	RNS-GW-D11DL V093	RNS-GW-D13 V094	RNS-GW-S7-106 V095	RNS-GW-D6 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 ORGANIC ANALYSIS								
Sample Number	RNS-GW-GUB	RNS-GW-RW1	RNS-GW-RW[illegible]	RNS-GW-RW1-215	RNS-GW-S12	RNS-GW-S12-RE	RNS-GW-S18	[illegible]S-GW-S18-209
Laboratory Sample Number	V101	V106	V108	V107	V082	V082	V104	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 Laboratory Sample Number	RNS-GW-S19 V100	RNS-GW-S22 V105	RNS-GW-S6 V096	RNS-GW-S6-DL V096	RNS-GW-T1 V098	RNS-GW-T2 V099	RNS-GW-T2DL 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		W	R			R	R
2-Chlorophenol	10			R			18 J	R
1,3-Dichlorobenzene	10		W	R			R	R
1,4-Dichlorobenzene	10		W	R			38 J	R
1,2-Dichlorobenzene	10		W	R			1100 J	670 J
2-Methylphenol	10			R			25 J	R
2,2-Oxybis(1-Chloropropane)	10		W	R			R	R
4-Methylphenol	10			R			42 J	R
N-Nitroso-di-n-Propylamine	10		W	R			R	R
Hexachloroethane	10		W	R			R	R
Nitrobenzene	10		W	R			R	R
Isophorone	10		W	R			R	R
2-Nitrophenol	10			R			R	R
2,4-Dimethylphenol	10			1 J			R	R
bis(2-Chloroethoxy)methane	10		W	R			R	R
2,4-Dichlorophenol	10			R			5 J	R
1,2,4-Trichlorobenzene	10		W	R			R	R
Naphthalene	10		W	R			7 J	R
4-Chloroaniline	10		W	R			R	R
Hexachlorobutadiene	10		W	R			R	R
4-Chloro-3-Methylphenol	10			R			R	R
2-Methylnaphthalene	10		W	R			R	R
Hexachlorocyclopentadiene	10		W	R			R	R
2,4,6-Trichlorophenol	10			R			R	R
2,4,5-Trichlorophenol	25			R			R	R
2-Chloronaphthalene	10		W	R			R	R
2-Nitroaniline	25		W	R			15 J	R
Dimethylphthalate	10		W	R			R	R
Acenaphthylene	10		W	R			R	R
3-Nitroaniline	25		W	R			R	R
Acenaphthene	10		W	R			R	R
2,4-Dinitrophenol	25		W	R	W		R	R
4-Nitrophenol	25			R			R	R
Dibenzofuran	10		W	R			R	R
2,4-Dinitrotoluene	10		W	R			R	R
2,6-Dinitrotoluene	10		W	R			R	R
Diethylphthalate	10		W	R			R	R
4-Chlorophenylphenylether	10		W	R			R	R
Fluorene	10		W	R			R	R
4-Nitroaniline	25		W	R			R	R
4,6-Dinitro-2-Methylphenol	25		W	R			R	R
N-Nitrosodiphenylamine	10		W	R			R	R
4-Bromophenylphenylether	10		W	R			R	R
Hexachlorobenzene	10		W	R			R	R
Pentachlorophenol	25			R			R	R
Phenanthrene	10		W	R			R	R
Anthracene	10		W	R			R	R
Carbazole	10		W	R			R	R
Di-n-Butylphthalate	10		W	R	10 U		R	R
Fluoranthene	10		W	R			R	R
Pyrene	10		W	R			R	R
Butylbenzylphthalate	10		W	R			R	R
3,3'-Dichlorobenzidine	10		W	R	W		R	R
Benzo(a)anthracene	10		W	R			R	R
bis(2-Ethylhexyl)phthalate	10	10 U	10 U	10 U	10 U	10 U	10 U	R
Chrysene	10		W	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-S1
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-Octyl'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	S081
Remarks					Reanalysis		Dilution		
Units		ug/L	ug/L	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	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	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
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

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
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
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

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
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						10 U	
Di-n-Butylphthalate	10							
Fluoranthene	10							
Pyrene	10							
Butylbenzylphthalate	10						UJ	UJ
3,3'-Dichlorobenzidine	10		UJ					
Benzo(a)anthracene	10						10 U	10 U
bis(2-Ethylhexyl)phthalate	10		10 U	20 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-S21D
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

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
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	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
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	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
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		SO26RR	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		SO26RR	S032RR	S033	S101R2	S101D	S030
Remarks		Reextraction	Reextraction			Dilution	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Di-n-Octyl'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-KI
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	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
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 San. ber	RNS-GW-C-S	RNS-GW-CUB	RNS-6	RNS-GW-DVF3	RNS-GW-D16	RNS GW-DLB	RNS-GW-E-VF1	RNS-GW-E-	RNS GW-E-VF2
Laboratory Sample N.	S005	S008	S02	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 San, .umber	RNS-GW-C-S	RNS GW-CUB	RNS-G F2	RNS GW-DVF3	RNS-GW-D16	RNS-GW-DLB	RNS-GW E-VF1	RNS-GW-E-.	RNS GW-E-VF2
Laboratory Sample Number	S005	S008	S020	S018	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)									

TENTATIVELY ENTIFIED COMPOUNDS								
ERM-Midwest Sam ber	RNS-GW-VF4	RNS-GW-E-VF5	VF5-RA	RNS-GW-VF5-RE	RNS-GW-VF5-RR	RNS-GW-E-VFB-103	RNS-GW-	RNS-GW I-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			
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 San. Number	RNS-GW-VF4	RNS GW-E-VF6	GW-VF6-RA	RNS-GW-VF5-RE	RNS-GW-VF6-RR	RNS-GW-E-VFB-103	RNS-GW	RNS-GW-I-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 ENTIFIED COMPOUNDS							
ERM-Midwest Sam ber	RNS I-UB	RNS GW-ILB	RNS-G	RNS-GW-K-VF2	RNS-GW-K-VF3	RNS-GW-K-VF5	RNS GW-C-LB
Laboratory Sample N er	S003	S009	S00	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 LB	RNS-GW-K-VF2	RNS-GW-K-VF3	RNS-GW-K-VF5	RNS-GW-C-LB
Laboratory Sample Number	S003	S009	S007	S018	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							
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

EXTRACTABI RGANIC ANALYSIS									
ERM-MW Sample N Laboratory Sample Number	RNS-GW-E-LB S025	RNS-GW E-LBDL S025D	RNS-GW- S026RR	RNS-GW-F-VF3 S027	RNS-GW-H UB S029	RNS-GW-HS S030	RNS-GW-H VF1 S031	RNS-GW-F-VF 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[illegible]RGANIC ANALYSIS									
ERM-MW Sample N[illegible]er Laboratory Sample Number	RNS-GW-E-LB S025	RNS GW-E LBDL S025D	RNS-GW-[illegible]4RE S026RR	RNS GW-F-VF3 S027	RNS-GW-H-UB S029	RNS-GW-HS S030	RNS GW-H-VF1 S031	RNS GW-F-VF6[illegible] S032RR	RNS-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 (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	

EXTRACTABLE ORGANIC ANALYSIS									
ERM-MW Sample No.	RNS-GW-D10	RNS-GW-AUB	RNS-GW	RNS-GW-AVF1	RNS-GW-BS	RNS GW-BSDL	RNS-GW-D1	RNS-GW D1	RNS-GW-S8
Laboratory Sample Number	S034	S036	S037	S038	S039	S039D	S040	S041	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[illegible]RGANIC ANALYSIS									
ERM MW Sample Number Laboratory Sample Number	RNS-GW-D10 S034	RNS GW-AUB S036	RNS-G[illegible]S S037	RNS-GW-AVF1 S038	RNS-GW-BS S039	RNS-GW-BSDL S039D	RNS-GW D1 S040	RNS-GW D1[illegible] 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 (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]RGANIC ANALYSIS					
ERM-MW Sample N. Laboratory Sample Number	RNS-GW L-VF2 S043	RNS GW-L-VF1 S044	RNS GW-[illegible] S045RR	RNS-GW-L-VF3 S046	RNS-GW-J-LB 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)					

EXTRACTABLE ORGANIC ANALYSIS					
ERM-MW Sample Number Laboratory Sample Number	RNS GW-L-VF2 S043	RNS-GW-L-VF1 S044	RNS-GW-L-LBRE S045RR	RNS-GW-L-VF3 S046	RNS-GW-J-LB 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 Sam[illegible]ber	RNS-GW-J-VF2	RNS GW-J-VF3	W-J VF4	RNS-GW-S-1	RNS-GW-D5	RNS-GW-S11	RNS-[illegible]-DL
Laboratory Sample N[illegible]	S051	S052	S063	S054	S056	S058	S[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)							

EXTRACTABLE ORGANIC 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)							

EXTRACTABLE GANIC ANALYSIS							
ERM Midwest Samp ber	RNS-GW-S10	RNS-GW-D4	GW-S4	RNS-GW-D-3	RNS-GW-S-3	RNS-GW-D-18	RNS 4
Laboratory Sample Nu r	S059	S060	S061	S062	S063	S064	
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[illegible]RGANIC ANALYSIS							
ERM-Midwest Sample Number	RNS-GW-S10	RNS-GW-D4	[illegible]S-GW-S4	RNS-GW-D-3	RNS-GW-S-3	RNS-GW-D-18	RNS-[illegible]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)							

EXTRACTABLE ORGANIC ANALYSIS							
ERM-Midwest Sample Number	RNS-GW-D7	RNS-GW-D7DL	GW-D9	RNS-GW-S16	RNS-GW-S16-105	RNS-GW-S17	RNS 7DL
Laboratory Sample Number	S067	S067D	S070	S071	S072	S073	S
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[illegible]RGANIC ANALYSIS							
ERM Midwest Sampl[illegible]umber	RNS-GW-D7	RNS-GW-D7DL	[illegible]S-GW-D9	RNS-GW-S16	RNS GW-S16-105	RNS-GW-S17	RNS-L[illegible]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)							

EXTRACTABL' RGANIC ANALYSIS				
ERM-Midwest Sam ber	RNS GW-D8	RNS-GW-D8DL	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 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' RGANIC ANALYSIS				
ERM-Midwest Sample number Laboratory Sample Number	RNS-GW-D8 S074	RNS-GW D8DL S074D	-GW-S20 S075	RNS GW-S20DL 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	ENTIFIED COMPOUNDS					
ERM-Midwest	e Number	RNS- 13	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		
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)							

TENTATIVELY ENTIFIED COMPOUNDS						
ERM-Midwest ple 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)						
HALOGENATI ONOAROMATIC (22.83)						

TENTATIVELY IDENTIFIED COMPOUNDS						
ERM-Midwest Sample Number	RNS-GW-S13	RNS-GW-S13DL	RNS-GW-S2	RNS-GW-S2RE	RNS-GW-D13	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		
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)						

TENTATIVELY IDENTIFIED COMPOUNDS						
ERM-Midwest Sample 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)						
BENEZENESULFONAMIDE (21.20)						
METHOXYBENZENE ISOMER (16.28)						

TENTATIVELY IDENTIFIED COMPOUNDS						
ERM-Midwest Sample Number	RNS-[illegible]13	RNS-GW-S13DL	RNS-GW-S2	RNS-GW-S2RE	RNS-GW-D1[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)						

TENTATIVELY IDENTIFIED COMPOUNDS						
ERM-Midwest Sample 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 ACID UNK (25.17)			11 J			
POSS. PHENYL HTHYLAMINE(22.13)			9 J			

TENTATIVELY IDENTIFIED COMPOUNDS						
ERM-Midwest : Number	RNS- 5	RNS-GW-D17	RNS-GW-D15	RNS-GW-D15DL	RNS-GW-S'	NS-GW-S8DL
Laboratory Sam, umber	S(	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, AMINOPHENYL ISOMER(17.50)						
SULFONATED 'OAROMATIC (42.30)						

TENTATIVELY IDENTIFIED COMPOUNDS						
ERM-Midwest Sample Number	RNS 15	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
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-Midwest Sample Number	RNS-GW-S15	RNS-GW-D17	RNS-GW-D15	RNS-GW-D15DL	RNS-GW-S8	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
BROMOBENZOIC ACID ISOMER (19.22)						
BENZENESULFONAMIDE,2-METHYL (22.00)						
BENZENESULFONAMIDE, 4-METHYL (22.48)						

TENTATIVEL ENTIFIED COMPOUNDS						
ERM-Midwest le Number	RNS)2	RNS-GW-D2DL	RNS-GW-D12	RNS-GW-D12DL	RNS-GW-S2	NS-GW-S21DL
Laboratory Sam, 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
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)						

TENTATIVELY IDENTIFIED COMPOUNDS						
ERM-Midwest Sample 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-HEPTACHLOROBICYCLO2.2.1 HEPT-Z-ENE(32.89)					580 JN	
HALOGENATED MONOAROMATIC (22.83)					290 J	

TENTATIVEI DENTIFIED COMPOUNDS						
ERM-Midwest le Number	RNS D2	RNS-GW-D2DL	RNS-GW-D12	RNS-GW-D12DL	RNS-GW-S2	NS-GW-S21DL
Laboratory Sam, Number	S0[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
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)						

TENTATIVELY IDENTIFIED COMPOUNDS						
ERM-Midwest Sample Number	RNS-GW-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
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)						
BENEZENESU[illegible]AMIDE (21.20)						
METHOXYBE[illegible]E ISOMER (16.28)						

TENTATIVELY IDENTIFIED COMPOUNDS						
ERM-Midwest Sample Number	RNS-GW-D2	RNS-GW-D2DL	RNS-GW-D12	RNS-GW-D12DL	RNS-GW-S2	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
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 ACI K (25.17)						
POSS. PHENY HTHYLAMINE(22.13)						

TENTATIVEL NTIFIED COMPOUNDS						
ERM-Midwest : e Number	RNS-(/	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		
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)ENTIFIED 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, /)PHENYL ISOMER(17.50)		9 J				
SULFONATED /OAROMATIC (42.30)		9 J				

TENTATIVELY IDENTIFIED COMPOUNDS						
ERM-Midwest Sample Number	RNS [illegible]7	RNS-GW-S7DL	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D[illegible]	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		
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)						

TENTATIVELY IDENTIFIED COMPOUNDS						
ERM-Midwest Sample Number	RNS-GW-S7	RNS-GW-S7DL	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D1[illegible]	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		
BROMOBENZOIC ACID ISOMER (19.22)						
BENZENESULFONAMIDE,2-METHYL (22.00)						
BENZENESULFONAMIDE, 4-METHYL (22.48)						

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
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-HEPTACHLOROBICYCLO2.2.1 HEPT-Z-ENE(32.89)		
HALOGENATED MONOAROMATIC (22.83)		

TENTATIVELY IDENTIFIED COMPOUNDS		
ERM-Midwest Sample Number	RNS- 6	RNS-GW-D6DL
Laboratory Sample Number	S0>.	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-GW-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	
BENEZENESULFONAMIDE (21.20)		2500 JN
METHOXYBENZENE ISOMER (16.28)		190 J

TENTATIVELY IDENTIFIED COMPOUNDS		
ERM-Midwest Sample Number	RNS D6	RNS-GW-D6DL
Laboratory Sample Number	S	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 ' ' RGANIC ANALYSIS							
ERM Midwest San., .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							
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				

EXTRACTABI RGANIC ANALYSIS							
ERM-Midwest Sam ber	RNS-GW-GUB	RNS-GW-GUBDL	NS GW-RW1	RNS-GW-RW1DL	RNS-GW-RW1 107	RNS-GW-S12	V-S12RE
Laboratory Sample Number	S101R2	S101D	S108	S106D	S108	S082	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[illegible]RGANIC ANALYSIS							
ERM-Midwest Sam[illegible]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/ALIP[illegible]TIC AMINE UNK (24 37)							
CHLOROBENZ[illegible]ULFOAMIDE UNK (23 18)							

EXTRACTABI RGANIC ANALYSIS							
ERM-Midwest San ber	RNS-GW-GUB	RNS-GW-GUBDL	NS GW-RW1	RNS-GW RW1DL	RNS GW RW1-107	RNS-GW-S12	I-S12RE
Laboratory Sample Number	S101R2	S101D	S108	S108D	S108	S082	082RE
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	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							
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)							
BENZENESULFONAMIDE+UNK (21 80)							
MIX ALIPAHTI(: +98-10-2 (21 22)							

EXTRACTABI [illegible]RGANIC ANALYSIS							
ERM-Midwest Sam[illegible]ber	RNS GW-GUB	RNS-GW-GUBDL	NS-GW-RW1	RNS-GW-RW1DL	RNS GW-RW1-107	RNS-GW-S12	V-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							
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 RGANIC 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	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 San, ber	RNS-GW-S18	RNS-GW-S19	NS-GW-S19DL	RNS-GW-S22	RNS-GW-S22RE	RNS-GW-S8	W-S6DL
Laboratory Sample Number	S104	S100	S100D	S105	S105RA	S098RE	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 San, .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	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							
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					
CHLOROBENZ SULFOAMIDE UNK (23 18)		2 J					

EXTRACTABI RGANIC ANALYSIS							
ERM-Midwest Sam ber	RNS-GW-S18	RNS-GW-S19	IS-GW-S19DL	RNS-GW-S22	RNS-GW-S22RE	RNS-GW-S6	W-S6DL
Laboratory Sample Nu r	S104	S100	S100D	S105	S105RA	S096RE	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							
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... Number	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	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 ALIPAHTI K +98-10-2 (21 22)							

EXTRACTABL ORGANIC ANALYSIS							
ERM-Midwest Sam ber	RNS-GW-S18	RNS-GW-S19	IS-GW-S19DL	RNS-GW-S22	RNS-GW-S22RE	RNS GW-S6	W-S8DL
Laboratory Sample N r	S104	S100	S100D	S105	S105RA	S096RE	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[illegible]RGANIC ANALYSIS				
ERM-Midwest Sam[illegible]Number	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 + [illegible] (11 68)				

EXTRACTABLE ORGANIC ANALYSIS				
ERM-Midwest Sample Number	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				
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)				

EXTRACTABL[illegible]RGANIC ANALYSIS				
ERM-Midwest San[illegible]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				
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)				
CHLOROBENZ[illegible]ULFOAMIDE UNK (23 18)				

EXTRACTABI ORGANIC ANALYSIS				
ERM-Midwest San. ber	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				
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)	8 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	
BENZENESULF AMIDE+UNK (21 80)			1100 JN	
MIX ALIPAHTI +98-10-2 (21 22)			790 R	

EXTRACTABLE ORGANIC ANALYSIS				
ERM-Midwest Sample Number	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 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 (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		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

ERM-Midwest Sample Number		RNS-GW-S7	RNS-GW-S7-106	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
	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	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		Dupilcate of RNS-GW-S17	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					
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		12/06/92	12/06/92	12/06/92	12/06/92	12/16/92	12/16/92

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

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		P064	P060	P056	P097	P067	P074
Remarks		Duplicate of RNS-GW-D3					
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				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 (Ag)						
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

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
	Quantitation					
PESTICIDES/AROCLORS	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	0.18 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

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-AUB
Laboratory Sample Number		P106DL10	P108DL10	P108DL100	P106DL100	P037	P036
Remarks		Dilution	Dilution	Dilution	Dilution		
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Quantitation						
PESTICIDES/AROCLORS	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 (Ag)						
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
	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	10/21/92	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

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					
Arodor-1016	1					
Arodor-1221	2					
Arodor-1232	1					
Arodor-1242	1					
Arodor-1248	1					
Arodor-1254	1					
Arodor-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-HS	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
	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				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

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
	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		10/27/92	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

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 (Ag)					
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-S16-105	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		M108	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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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	..NS-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-KLBI.	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 ORGANIC ANALYSIS										
ERM Midwest Sample Number	RNS-GW-D16R	RNS-GW-H-VF1R	RNS-GW-H-UBR	RNS-GW-[illegible]R	RNS-GW-D10R	RNS-GW-F-VF3R	RNS-GW-F-VF4R	RNS-GW-F-VF6R	RNS-GW-F-LBR	RNS-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 /F2R	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 ORGANIC ANALYSIS				
ERM-Midwest Sample Number	RNS-GW-JLBR	RNS-GW-ASR	RNS-GW-A-UBR	RNS-GW-A-VF1R
Laboratory Sample Number	V393	V398	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-L[illegible]J	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 ORGANIC ANALYSIS									
ERM-Midwest Sample Number Laboratory Sample Number	RNS-GW-S10R V403	RNS-GW-S11R V404	RNS-GW-BS-218R V405	RNS-GW-S2R V406	RNS-GW-S3R V407	RNS-GW-D3R V408	RNS-GW-S4R V409	RNS-GW-D4R V410	RNS-GW-DUP-R 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	RNS-GW-S5R	RNS-GW-D5R	RNS-GW-D18R	RNS-GW-D15R	RNS-GW-D7R	RNS-GW-D7RDL	RNS-GW-D9R	RNS-GW-S16R
Laboratory Sample Number	V412	V413	V414	V415	V416	V416	V419	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 ORGANIC ANALYSIS										
ERM-Midwest San. Number Laboratory Sample Number	RNS-GW-D17 V275	RNS-GW-D17DL V275	RNS-GW D15 V276	RNS-G.. 52 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 ORGANIC ANALYSIS										
ERM-Midwest Sample Number	RNS-GW-S7	RNS-GW-D11	RNS-GW-D13	RNS-GW-D11-222	RNS-GW-D12	RNS-GW-S12	RNS-GW-S21	RNS-GW-D2	RNS-GW-D2DL	RNS-GW-S8
Laboratory Sample Number	V283	V284	V285	V286	V287	V288	V289	V290	V290	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 ORGANIC ANALYSIS							
ERM-Midwest Sa. Number Laboratory Sample Number	RNS-GW-T1 V292	RNS-GW-T2 V293	RNS-GW-S18 V294	RNS-GW-S8 V295	RNS-GW-D8 V296	RNS-GW-S6-111 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)		6700 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	V308	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	UJ			R
4,6-Dinitro-2-Methylphenol	25	UJ	UJ		UJ	UJ	
N-Nitrosodiphenylamine	10		R	UJ			R
4-Bromophenylphenylether	10		R	UJ			R
Hexachlorobenzene	10		R	UJ			R
Pentachlorophenol	25		UJ	UJ			
Phenanthrene	10		R	1 J			R
Anthracene	10		R	UJ			R
Carbazole	10		R	UJ			R
Di-n-Butylphthalate	10		R	UJ			R
Fluoranthene	10		R	UJ			R
Pyrene	10		R	UJ			R
Butylbenzylphthalate	10		R	UJ			R
3,3'-Dichlorobenzidine	10	UJ	R	UJ	UJ	UJ	R
Benzo(a)anthracene	10		R	UJ			R
bis(2-Ethylhexyl)phthalate	10		10 U	10 U			R
Chrysene	10		R	UJ			R
Di-n-Octylphthalate	10		R	UJ			R
Benzo(b)fluoranthene	10		R	UJ			R
Benzo(k)fluoranthene	10		R	UJ			R
Benzo(a)pyrene	10		R	UJ			R
Indeno(1,2,3-cd)pyrene	10		R	UJ			R
Dibenz(a,h)anthracene	10		R	UJ			R
Benzo(g,h,i)perylene	10		R	UJ			R
3,4-Dichloronitrobenzene	25		R	UJ			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		UJ	UJ	UJ	UJ	UJ
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						UJ
4,6-Dinitro-2-Methylphenol	25						
N-Nitrosodiphenylamine	10						UJ
4-Bromophenylphenylether	10						UJ
Hexachlorobenzene	10						UJ
Pentachlorophenol	25						
Phenanthrene	10						UJ
Anthracene	10						UJ
Carbazole	10						UJ
Di-n-Butylphthalate	10						UJ
Fluoranthene	10						UJ
Pyrene	10						UJ
Butylbenzylphthalate	10						UJ
3,3'-Dichlorobenzidine	10	UJ	UJ	UJ			UJ
Benzo(a)anthracene	10						UJ
bis(2-Ethylhexyl)phthalate	10				20 U		20 U
Chrysene	10						UJ
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	25						UJ
Diphenylsulfone	10		350 J	360	20 U	40 U	UJ
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	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-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				UJ		
4,6-Dinitro-2-Methylphenol	25					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	UJ	UJ	UJ
Benzo(a)anthracene	10						
bis(2-Ethylhexyl)phthalate	10	20 U					10 U
Chrysene	10						
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	25	UJ					
Diphenylsulfone	10	UJ		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

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		UJ	UJ	UJ
4,6-Dinitro-2-Methylphenol	25	UJ	R	UJ			
N-Nitrosodiphenylamine	10		R				UJ
4-Bromophenylphenylether	10		R				UJ
Hexachlorobenzene	10		R				UJ
Pentachlorophenol	25		R				
Phenanthrene	10		R				UJ
Anthracene	10		R				UJ
Carbazole	10		R			36	34 J
Di-n-Butylphthalate	10		R				UJ
Fluoranthene	10		R				UJ
Pyrene	10		R			UJ	UJ
Butylbenzylphthalate	10		R			UJ	UJ
3,3'-Dichlorobenzidine	10	UJ	R	UJ	UJ	UJ	UJ
Benzo(a)anthracene	10		R			UJ	UJ
bis(2-Ethylhexyl)phthalate	10	10 U	R	10 U		UJ	UJ
Chrysene	10		R			UJ	UJ
Di-n-Octylphthalate	10		R			R	UJ
Benzo(b)fluoranthene	10		R			R	UJ
Benzo(k)fluoranthene	10		R			R	UJ
Benzo(a)pyrene	10		R			R	UJ
Indeno(1,2,3-cd)pyrene	10		R			R	UJ
Dibenz(a,h)anthracene	10		R			R	UJ
Benzo(g,h,i)perylene	10		R			R	UJ
3,4-Dichloronitrobenzene	25		R			R	UJ
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	03/16/93	02/24/93	02/24/93	02/26/93	02/26/93
Date of Sample Analysis		03/15/93	03/23/93	03/16/93	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	UJ					
4,6-Dinitro-2-Methylphenol	25						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	UJ	UJ	UJ	UJ
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	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	UJ	UJ	UJ		
Benzo(a)anthracene	10						
bis(2-Ethylhexyl)phthalate	10	10 U		10 U		10 U	
Chrysene	10						
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	25				UJ	UJ	
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		UJ		UJ		
4,6-Dinitro-2-Methylphenol	25			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	UJ	UJ	UJ	UJ	UJ
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				UJ		
4,6-Dinitro-2-Methylphenol	25			UJ			
N-Nitrosodiphenylamine	10						
4-Bromophenylphenylether	10						
Hexachlorobenzene	10	1 J		10			
Pentachlorophenol	25		UJ				
Phenanthrene	10						
Anthracene	10						
Carbazole	10						
Di-n-Butylphthalate	10						
Fluoranthene	10						
Pyrene	10						
Butylbenzylphthalate	10						3 J
3,3'-Dichlorobenzidine	10	UJ		UJ	UJ	UJ	UJ
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						UJ
Acenaphthene	10						
2,4-Dinitrophenol	25	UJ	UJ	UJ	UJ	UJ	
4-Nitrophenol	25	UJ	UJ	UJ		UJ	
Dibenzofuran	10						
2,4-Dinitrotoluene	10						
2,6-Dinitrotoluene	10						
Diethylphthalate	10						
4-Chlorophenylphenylether	10						
Fluorene	10						

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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	UJ				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	2 J	6 J	5 J			
3,3'-Dichlorobenzidine	10	UJ	UJ	UJ	UJ	UJ	UJ
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	03/16/93	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		UJ		UJ		
4,6-Dinitro-2-Methylphenol	25	UJ					
N-Nitrosodiphenylamine	10		UJ		UJ		
4-Bromophenylphenylether	10		UJ		UJ		
Hexachlorobenzene	10		UJ		5 J	5 J	
Pentachlorophenol	25			UJ			UJ
Phenanthrene	10		UJ		UJ		
Anthracene	10		UJ		UJ		
Carbazole	10		UJ		UJ		
Di-n-Butylphthalate	10		UJ		UJ		
Fluoranthene	10		UJ		UJ		
Pyrene	10		UJ		UJ		
Butylbenzylphthalate	10		UJ		1 J	1 J	
3,3'-Dichlorobenzidine	10	UJ	UJ		UJ	UJ	
Benzo(a)anthracene	10		UJ		UJ		
bis(2-Ethylhexyl)phthalate	10	10 U	10 U		UJ		
Chrysene	10		UJ		UJ		
Di-n-Octylphthalate	10		UJ		6 J	6 J	
Benzo(b)fluoranthene	10		UJ		UJ	UJ	
Benzo(k)fluoranthene	10		UJ		UJ	UJ	
Benzo(a)pyrene	10		UJ		UJ	UJ	
Indeno(1,2,3-cd)pyrene	10		UJ		UJ	UJ	
Dibenz(a,h)anthracene	10		UJ		UJ	UJ	
Benzo(g,h,i)perylene	10		UJ		UJ	UJ	
3,4-Dichloronitrobenzene	25		UJ		UJ	UJ	
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	03/18/93	03/30/93	03/18/93	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	UJ		UJ		UJ	
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						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	02/09/93
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			W			
Acenaphthene	10						
2,4-Dinitrophenol	25	W	W	W	W		
4-Nitrophenol	25				W		
Dibenzofuran	10						
2,4-Dinitrotoluene	10						
2,6-Dinitrotoluene	10						
Diethylphthalate	10						
4-Chlorophenylphenylether	10						
Fluorene	10						

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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	UJ	UJ	UJ	UJ	UJ	UJ
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				UJ
bis(2-Chloroethyl)ether	10		R				UJ
2-Chlorophenol	10		R				UJ
1,3-Dichlorobenzene	10		R				UJ
1,4-Dichlorobenzene	10		R				UJ
1,2-Dichlorobenzene	10		R				UJ
2-Methylphenol	10		R				UJ
2,2-Oxybis(1-Chloropropane)	10		R				UJ
4-Methylphenol	10		R				UJ
N-Nitroso-di-n-Propylamine	10		R				UJ
Hexachloroethane	10		R				UJ
Nitrobenzene	10		R				UJ
Isophorone	10		R				UJ
2-Nitrophenol	10		R				UJ
2,4-Dimethylphenol	10		R				UJ
bis(2-Chloroethoxy)methane	10		R				UJ
2,4-Dichlorophenol	10		R				UJ
1,2,4-Trichlorobenzene	10		R				UJ
Naphthalene	10		R				UJ
4-Chloroaniline	10		R				UJ
Hexachlorobutadiene	10		R				UJ
4-Chloro-3-Methylphenol	10		R				UJ
2-Methylnaphthalene	10		R				UJ
Hexachlorocyclopentadiene	10		R				UJ
2,4,6-Trichlorophenol	10		R				UJ
2,4,5-Trichlorophenol	25		R				UJ
2-Chloronaphthalene	10		R				UJ
2-Nitroaniline	25		R				UJ
Dimethylphthalate	10		R				UJ
Acenaphthylene	10		R				UJ
3-Nitroaniline	25	UJ	R				UJ
Acenaphthene	10		R				UJ
2,4-Dinitrophenol	25		R		UJ	UJ	UJ
4-Nitrophenol	25		R				UJ
Dibenzofuran	10		R				UJ
2,4-Dinitrotoluene	10		R				UJ
2,6-Dinitrotoluene	10		R				UJ
Diethylphthalate	10		R		1 J		UJ
4-Chlorophenylphenylether	10		R				UJ
Fluorene	10		R				UJ

(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	03/06/93	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	UJ				
Di-n-Butylphthalate	10	R					
Fluoranthene	10	R					
Pyrene	10	R					
Butylbenzylphthalate	10	R					
3,3'-Dichlorobenzidine	10	R	UJ	UJ	UJ	UJ	UJ
Benzo(a)anthracene	10	R					
bis(2-Ethylhexyl)phthalate	10	10 U	10 U	UJ	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	03/06/93	03/05/93	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				UJ		
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	UJ	UJ			
Acenaphthene	10						
2,4-Dinitrophenol	25				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-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				UJ		
4,6-Dinitro-2-Methylphenol	25						
N-Nitrosodiphenylamine	10						
4-Bromophenylphenylether	10						
Hexachlorobenzene	10						
Pentachlorophenol	25					UJ	
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
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	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-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			UJ	UJ	UJ	UJ
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	
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				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-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		UJ	UJ				
Di-n-Butylphthalate	10							
Fluoranthene	10							
Pyrene	10							
Butylbenzylphthalate	10		1 J	1 J				
3,3'-Dichlorobenzidine	10	UJ	UJ	UJ	UJ	UJ	UJ	UJ
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-Midwest Sample Number	RNS-GW-CS	RNS-GW-CUB	RNS-GW-DVF2	RNS-GW-DVF3	RNS-GW-KVF2	RNS-GW-KVF3	RNS-GW-KVLB
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)							

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-GW-DLBA	RNS-GW-H-S	RNS-GW-H-V	RNS-GW-H-UB	RNS-GW-D16	RNS-GW-FVF3	RNS GW-FVF4	RNS-GW-FVF6	-GW-FLBA
Laboratory Sample Number	S221	S224	S225	S226	S227	S228	S229	S230	S231
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 ALIPHATIC (13 23)									

EXTRACTABL GANIC ANALYSIS									
ERM-Midwest Sam, umber	RNS-GW-D10	RNS-GW-FVF3-10	RNS-GW-A	RNS-GW-AUB	RNS-GW-AVF1	RNS-GW-LVF2	RNS-GW-LVF3	RNS-GW-LL	RNS-GW-JVF2
Laboratory Sample Number	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	S242	S243	S244	S249
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 ALIPHATIC (13 23)			3 J	

EXTRACTABLE ORGANIC ANALYSIS									
ERM-Midwest Sample Number	RNS-GW-B-S	RNS-GW-B-SDL	RNS-GW-S	RNS-GW-D1	RNS-GW-D5	RNS-GW-D1-110	RNS-GW-S10	RNS GW-S11	RNS-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									
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 ORGANIC ANALYSIS									
ERM-Midwest Sample ID Number	RNS-GW-B-S	RNS-GW-B-SDL	RNS-GW-S	RNS-GW-D1	RNS-GW-D5	RNS-GW-D1-110	RNS-GW-S10	RNS-GW-S11	RNS-GW-S11DL
Laboratory Sample Number	S247	S247DL	S260	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									
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. ALIPHATIC (26 91)									

EXTRACTABLE ORGANIC ANALYSIS									
ERM-Midwest Sample Number	RNS-GW-B-S	RNS-GW-B-SDL	RNS-GW-S	RNS-GW-D1	RNS-GW-D5	RNS-GW-D1 110	RNS-GW-S10	RNS-GW-S11	RNS-GW-S11DL
Laboratory Sample Number	S247	S247DL	S260	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									
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 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	RNS-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 AROMATIC (26 57)					2 J				

EXTRACTABL GANIC ANALYSIS									
ERM-Midwest Sample .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	. 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									
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-S18	RNS-GW-D9	RNS-GW-S3	RNS-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)									

EXTRACTABL GANIC ANALYSIS							
ERM-Midwest Sample .ber	RNS-GW-D7DL	RNS-GW-S14	RNS-GW-S	RNS-GW-S20	RNS-GW-S20DL	RNS GW-D8	RNS-GW-D8DL
Laboratory Sample Number	S268DL	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							
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	

EXTRACTABL GANIC ANALYSIS							
ERM Midwest Sampl ber	RNS-GW-D7DL	RNS-GW-S14	RNS-GW-S.	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							
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-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									
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					
BENZENESULFONAMIDE, 4-METHYL (22 46)									

EXTRACTABLE NIC 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									
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 GANIC ANALYSIS									
ERM-Midwest S[illegible] Number	RNS-GW-D17	RNS-GW-D15	RNS-GW-D1[illegible]	NS-GW-S2	RNS-GW-S2RE	RNS-GW-S13	RNS-GW-S13DL	RNS-GW-S1[illegible]	[illegible]-GW-D14
Laboratory Sampl[illegible] ber	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									
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 ORGANIC ANALYSIS									
ERM-Midwest Sample Number	RNS-GW-D17	RNS-GW-D15	RNS-GW-D15DL	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 35)									

EXTRACTABLE ORGANIC ANALYSIS									
ERM-Midwest Sample Number	RNS-GW-D17	RNS-GW-D15	RNS-GW-D1[illegible]	NS-GW-S2	RNS-GW-S2RE	RNS-GW-S13	RNS-GW-S13DL	RNS-GW-S15	-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 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. 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									
UNK ALKOXY SUB ALIPHATIC ALC (15 19)		5 J							
UNK ALKYL AMINE (8 82)									
UNK ALKYLBENZENE (8 89)									
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 S. Number	RNS-GW-D17	RNS-GW-D15	RNS-GW-D1	NS-GW-S2	RNS-GW-S2RE	RNS-GW-S13	RNS-GW-S13DL	RNS-GW-S15	-GW-D14
Laboratory Sample ber	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 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 Sample 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 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 (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)					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 S. umber	RNS-GW-D17	RNS-GW-D15	RNS-GW-D1.	NS-GW-S2	RNS-GW-S2RE	RNS-GW-S13	RNS-GW-S13DL	RNS-GW-S1	-GW-D14
Laboratory Sample ber	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 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. 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									
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 S. umber	RNS-GW-D14DL	RNS-GW-D19	RNS-GW-D1	NS-GW-S7	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D13	RNS-GW-D12	-GW-D12DL
Laboratory Sample ber	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						
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 S imber	RNS-GW-D14DL	RNS-GW-D19	RNS-GW-D1	NS-GW-S7	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D13	RNS-GW-D12	GW-D12DL
Laboratory Sample . ber	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 Sample Number	RNS-GW-D14DL	RNS-GW-D19	RNS-GW-D[illegible]	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						
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)									

EXTRACTABLE GANIC ANALYSIS									
ERM-Midwest Sa lumber	RNS-GW-D14DL	RNS-GW-D19	RNS-GW-D1	RNS-GW-S7	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D13	RNS-GW-D1.	-GW-D12DL
Laboratory Sample ber	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 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 ORGANIC ANALYSIS									
ERM-Midwest Sample 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	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 ACID (15 50)									

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest Sample Number	RNS-GW-D14DL	RNS-GW-D19	RNS-GW-D1	NS-GW-S7	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D13	RNS-GW-D12	-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 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 Sample 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	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 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 06)				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)									

EXTRACTABLE ORGANIC ANALYSIS									
ERM-Midwest Sample Number	RNS-GW-D14DL	RNS-GW-D19	RNS-GW-D1	NS-GW-S7	RNS-GW-D11	RNS-GW-D11DL	RNS-GW-D13	RNS-GW-D12	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 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 Sample 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-Midwest S. lumber	RNS-GW-S12	RNS-GW-S12DL	RNS-GW-S.	S-GW-S21RE	RNS-GW-S21DL	RNS-GW-D2	RNS-GW-D2DL	RNS-GW-S.	S-GW-S8DL
Laboratory Sample iber	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				
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 GANIC 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-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				
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-S2	-GW-S21RE	RNS-GW-S21DL	RNS-GW-D2	RNS-GW-D2DL	RNS-GW-S8	-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				
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-S2	RNS-GW-S21RE	RNS-GW-S21DL	RNS-GW-D2	RNS-GW-D2DL	RNS-GW-S6	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				
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 S. ...mber	RNS-GW-S12	RNS-GW-S12DL	RNS-GW-S...	...-GW-S21RE	RNS-GW-S21DL	RNS-GW-D2	RNS-GW-D2DL	RNS-GW-S...	...-GW-S8DL
Laboratory Sample ... ...oer	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 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 Sample Number	RNS-GW-S12	RNS-GW-S12DL	RNS-GW-S2	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 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 ACID (15 50)									

EXTRACTABLE ORGANIC ANALYSIS									
ERM-Midwest S umber	RNS-GW-S12	RNS-GW-S12DL	RNS-GW-S.	-GW-S21RE	RNS-GW-S21DL	RNS-GW-D2	RNS-GW-D2DL	RNS-GW-S:	-GW-S8DL
Laboratory Sample oer	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 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 : Number	RNS-GW-S12	RNS-GW-S12DL	RNS-GW-S.	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 DIBROMOALIPHATIC (13 81)									

EXTRACTABLE GANIC ANALYSIS									
ERM-Midwest S. imber	RNS-GW-S12	RNS-GW-S12DL	RNS-GW-S.	-GW-S21RE	RNS-GW-S21DL	RNS-GW-D2	RNS-GW-D2DL	RNS-GW-SE	-GW-S8DL
Laboratory Sample ber	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 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 GANIC ANALYSIS									
ERM-Midwest S. e Number	RNS-GW-S12	RNS-GW-S12DL	RNS-GW-S.	RNS-GW-S21RE	RNS-GW-S21DL	RNS-GW-D2	RNS-GW-D2DL	RNS-GW-Sb	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 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 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									
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 S[illegible] Number	RNS-GW-T1	RNS-GW-T1DL	RNS-GW-T2	R[illegible]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 S umber	RNS-GW-T1	RNS-GW-T1DL	RNS-GW-T2	R T2RE	RNS-GW-T2DL	RNS-GW-S18	RNS-GW-S18RE	RNS-GW-S18DL	W-S6
Laboratory Sample oer	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 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									
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 GANIC ANALYSIS									
ERM-Midwest Sa umber	RNS-GW-T1	RNS-GW-T1DL	RNS-GW-T2	R -T2RE	RNS-GW-T2DL	RNS-GW-S18	RNS-GW-S18RE	RNS-GW-S18DL	GW-S6
Laboratory Sample ber	S292	S292DL	S293	3RE	S293DL	S294	S294RE	S294DL	5295
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 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									
UNK ALKOXY SUB ALIPHATIC ALC (15 19)									
UNK ALKYL AMINE (8 82)									
UNK ALKYLBENZENE (8 89)									
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 ACID (15 50)									22 J

EXTRACTABLE GANIC ANALYSIS									
ERM-Midwest S. Number	RNS-GW-T1	RNS-GW-T1DL	RNS-GW-T2	R /-T2RE	RNS-GW-T2DL	RNS-GW-S18	RNS-GW-S18RE	RNS-GW-S18DL	GW-S6
Laboratory Sampl. iber	S292	S292DL	S293	3RE	S293DL	S294	S294RE	S294DL	295
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 GANIC 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 DIBROMOALIPHATIC (13 81)									

EXTRACTABLE ... GANIC ANALYSIS									
ERM-Midwest S... Number	RNS-GW-T1	RNS-GW-T1DL	RNS-GW-T2	R ...V-T2RE	RNS-GW-T2DL	RNS-GW-S18	RNS-GW-S18RE	RNS-GW-S18DL	GW-S6
Laboratory Sampl... ...nber	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 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 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									
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 48)									
UNK TRIFLUOROMETBENZENAMINE (12 79)									
UNK TRIFLUOROMETHBENZENAMINE (12 78)									
UNK TRIFLUOROMETHYL ANLINE (12 84)									
UNK TRIFLUOROMETHYLBENZENAM (11 49)			920 J						

EXTRACTABLE GANIC ANALYSIS					
ERM-Midwest S Number	RNS-GW-S6DL	RNS-GW-D6	RNS-GW-DE	IS-GW-D6DL	RNS-GW-S6-111
Laboratory Samp. .mber	S295DL	S296	S296RE	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 GANIC ANALYSIS					
ERM-Midwest S. a 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 85)					
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 ´ GANIC ANALYSIS					
ERM-Midwest S Number	RNS-GW-S6DL	RNS-GW-D6	RNS-GW-D(	IS-GW-D6DL	RNS-GW-S6-111
Laboratory Samp. .nber	S295DL	S296	S296RE	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. e 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 (16 35)					

EXTRACTABLE ~GANIC ANALYSIS					
ERM-Midwest S Number	RNS-GW-S6DL	RNS-GW-D6	RNS-GW-D(	IS-GW-D6DL	RNS-GW-S6-111
Laboratory Samp nber	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 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 ~GANIC ANALYSIS					
ERM-Midwest S Number	RNS-GW-S6DL	RNS-GW-D6	RNS-GW-D(	IS-GW-D6DL	RNS-GW-S6-111
Laboratory Samp. nber	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 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 Sample 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 ... GANIC ANALYSIS					
ERM-Midwest S. Number	RNS-GW-S6DL	RNS-GW-D6	RNS-GW-DE	IS-GW-D6DL	RNS-GW-S6-111
Laboratory Samp. ...ber	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 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)					

EXTRACTABLE ORGANIC ANALYSIS

ERM-Midwest S. e 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)					

EXTRACTABLE ORGANIC ANALYSIS							
ERM-Midwest Sample Number	RNS-GW-GUB	RNS-GW-GUBDL	GW-RW1	RNS-GW-RW1DL	RNS-GW-S22	RNS-GW-S22DL	RNS-GW-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	
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 W-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	0.015 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	0.0028 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			0.0084 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				UJ		
beta-BHC	0.05		.0048 J		UJ		
delta-BHC	0 05				UJ		
gamma-BHC (Lindane)	0.05				UJ	.0038 R	
Heptachlor	0.05			.0044 J	UJ	.0051 R	
Aldrin	0.05				UJ		
Heptachlor Epoxide	0.05				UJ		
Endosulfan I	0.05				UJ		
Dieldrin	0.1		.0053 J		.0015 J	.0021 J	
4,4'-DDE	0.1				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		.0022 J		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		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	P316	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		UJ	R		
delta-BHC	0.05		UJ	R		
gamma-BHC (Lindane)	0.05		UJ	R		
Heptachlor	0.05	.0081 J	UJ	.0028 R	.0039 R	
Aldrin	0.05		UJ	R		
Heptachlor Epoxide	0.05		UJ	R		
Endosulfan I	0.05		UJ	R		
Dieldrin	0.1	.011 J	.0013 J	R		
4,4'-DDE	0.1		UJ	R		
Endrin	0.1		UJ	R		
Endosulfan II	0.1		UJ	R		
4,4'-DDD	0.1		UJ	R		
Endosulfan Sulfate	0.1		UJ	R		
4,4'-DDT	0.1		UJ	R		
Methoxychlor	0.5		UJ	R		
Endrin Ketone	0.1		UJ	R		
Endrin Aldehyde	0.1		UJ	R		
alpha-Chlordane	0.05		UJ	R		
gamma-Chlordane	0.05		UJ	R		
Toxaphene	5		UJ	R		
Aroclor-1016	1		UJ	R		
Aroclor-1221	2		UJ	R		
Aroclor-1232	1		UJ	R		
Aroclor-1242	1		UJ	R		
Aroclor-1248	1		UJ	R		
Aroclor-1254	1		UJ	R		
Aroclor-1260	1		UJ	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	03/28/93	03/28/93

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, 4/8 & 4/8	4/8 & 4/8	4/8 & 4/8	04/08/93	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-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	02/18/89
Date of Sample Analysis		02/25/93	02/25/93	02/25/93	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-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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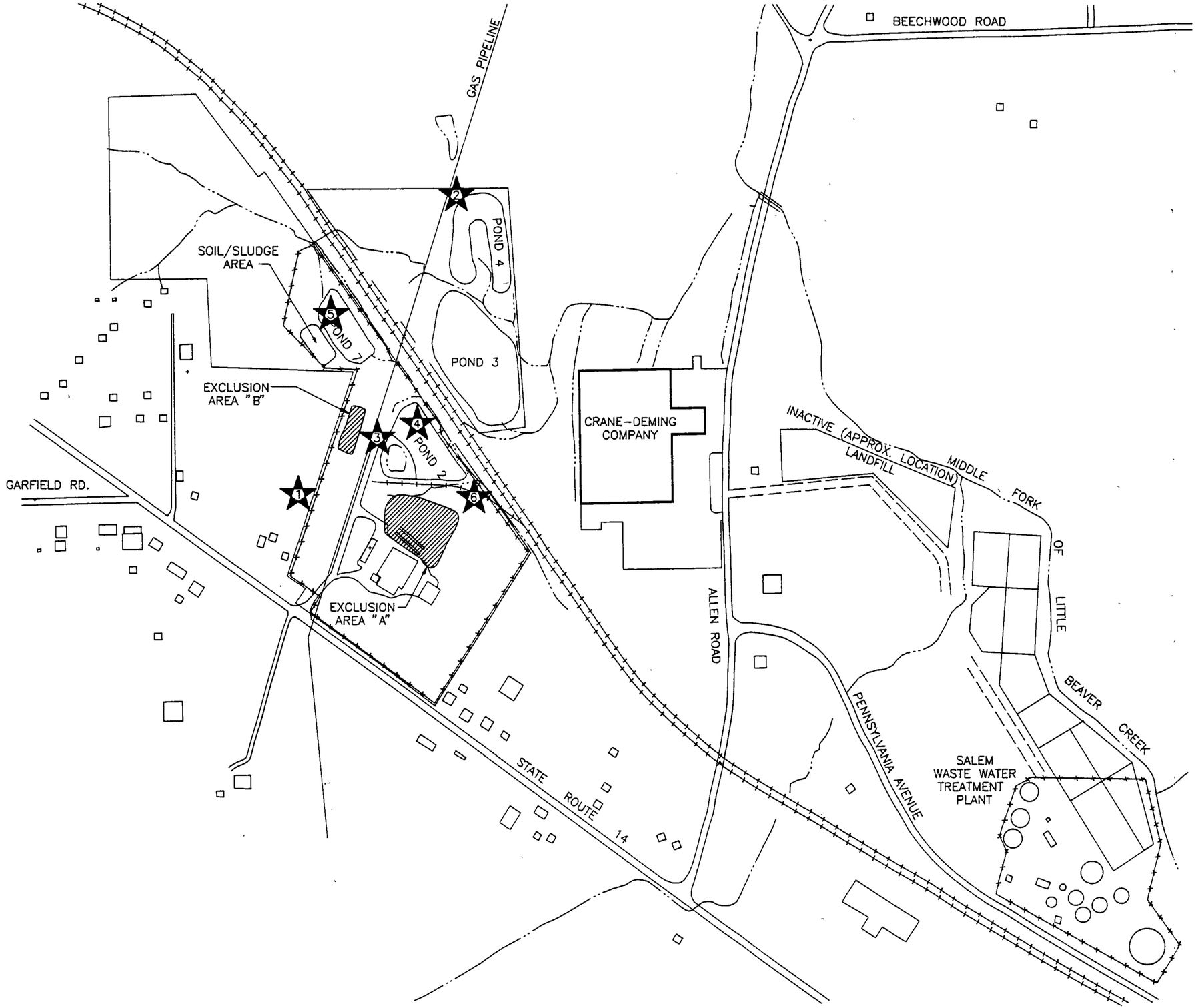
AIR SAMPLES

- VOLATILE COMPOUNDS: CMS
- VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS
- VOLATILE COMPOUNDS: TENAX
- SEMIVOLATILE 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).
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.



400' 0 400 FT.

LEGEND

- SITE BOUNDARY
- FENCE
- RAILROAD TRACKS
- SURFACE WATER DRAINAGE
- ⑤ AIR SAMPLING STATION

AIR SAMPLE STATIONS
RUETGERS-NEASE SALEM, OHIO RI/FS

FIGURE 2-2

ERM ERM-Midwest, inc.
Environmental Resources Management

PROJECT\202-01-07\07FG2-2.DWG

AIR SAMPLES

VOLATILE ORGANIC ANALYSES: CMS

ERM-Midwest Sample Number RNS-		AO-01-2-024	AO-01-2-023	AO-01-2-032	AO-02-3509	AO-02-3516	AO-02-3534	AO-02-3541	AO-02-3530	AO-02-3533	AO-02-3537
Air Station Number		1	1	1	2	2	2	2	2	2	2
Units		Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng
VOLATILE COMPOUNDS	Quantitation Limit	Korans Upwind	Trip Blank	Field Blank	Backup of AO-02-3516	Dup. of AO-02-3501	Trip Blank	Field Blank	Backup of AO-02-3533	Dup. of AO-02-3540	Backup of AO-02-3540
Chloromethane	10				UL	UL					
Vinyl Chloride	10				UL	UL					
Bromomethane	10				UL	UL					
Chloroethane	10				UL	UL					
cis-1,2-Dichloroethene	10				UL	UL					
Carbon Disulfide	10				UL	UL					
Methylene Chloride	10				47 U	46 U		26		12 U	
trans-1,2-Dichloroethene	10				UL	UL					
1,1-Dichloroethane	10				UL	UL					
Vinyl Acetate	10				UL	UL					
1,1-Dichloroethene	10				UL	UL					
1,1,1-Trichloroethane	10				12 J	29 J				34 J	
Benzene	10				UL	UL					
1,2-Dichloroethane	10				UL	UL					
Toluene	10				UL	UL					
Tetrachloroethene	10				UL	UL					
Date of Sample Collection		9/13/90	9/13/90	9/13/90	9/28/90	9/28/90	10/27/90	10/27/90	10/27/90	10/27/90	10/27/90
Date Sample Received by Laboratory		9/17/90	9/17/90	9/17/90	10/2/90	10/2/90	10/30/90	10/30/90	10/30/90	10/30/90	10/30/90
Date Sample Analyzed		9/26/90	9/27/90	9/27/90	10/18/90	10/18/90	11/05/90	11/05/90	11/05/90	11/07/90	11/07/90

AIR SAMPLES

VOLATILE ORGANIC ANALYSES: CMS

ERM-Midwest Sample Number RNS-		AO-01-2-024	AO-01-2-023	AO-01-2-032	AO-02-3509	AO-02-3516	AO-02-3534	AO-02-3541	AO-02-3530	AO-02-3533	AO-02-3537
Air Station Number		1	1	1	2	2	2	2	2	2	2
Units		Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng
VOLATILE COMPOUNDS	Quantitation Limit	Korans Upwind	Trip Blank	Field Blank	Backup of AO-02-3516	Dup. of AO-02-3501	Trip Blank	Field Blank	Backup of AO-02-3533	Dup. of AO-02-3540	Backup of AO-02-3540
TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTRATIONS											
VOLATILE COMPONENTS	-	-	-								
Trichlorofluoromethane				100 R	200 R	20 J	200 J	30 R	90 R		
Acetone					10 J						
Carbon Tetrachloride									20 R		
Dichlorodifluoromethane											
Butane											
Acetone											
Sulfur Dioxide											
1,4-Dioxane											
Trichlorofluoromethane											
1,1,2-Trichlorotrifluoroethane											
Acetone											
Carbon Tetrachloride											

AIR SAMPLES

VOLATILE ORGANIC ANALYSES: CMS

ERM-Midwest Sample Number	RNS-	AO-02-3540	AO-03-2-010	AO-03-2-003	AO-03-2-004	AO-03-2-005	AO-03-2-007	AO-03-2-021	AO-04-3503	AO-04-3514	AO-04-3502
Air Station Number		2	3	3	3	3	3	3	4	4	4
Units		Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng
VOLATILE COMPOUNDS	Quantitation Limit	Dup. of AO-02-3533	Trip Blank	Pond 1	Dup. of AO-03-2-007	Backup of AO-03-2-007	Pond 1	Field Blank	Pond 2	Field Blank	Trip Blank
Chloromethane	10										
Vinyl Chloride	10										
Bromomethane	10										
Chloroethane	10										
cis-1,2-Dichloroethene	10										
Carbon Disulfide	10										
Methylene Chloride	10	24 U				10 U					
trans-1,2-Dichloroethene	10										
1,1-Dichloroethane	10										
Vinyl Acetate	10										
1,1-Dichloroethene	10										
1,1,1-Trichloroethane	10	22 J									
Benzene	10										
1,2-Dichloroethane	10										
Toluene	10										
Tetrachloroethene	10										
Date of Sample Collection		10/27/90	9/10/90	9/10/90	9/10/90	9/10/90	9/10/90	9/10/90	9/29/90	9/29/90	9/29/90
Date Sample Received by Laboratory		10/30/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	10/1/90	10/1/90	10/1/90
Date Sample Analyzed		11/07/90	9/17/90	9/17/90	9/24/90	9/24/90	9/24/90	9/24/90	10/09/90	10/09/90	10/09/90

AIR SAMPLES

VOLATILE ORGANIC ANALYSES: CMS

ERM-Midwest Sample Number RNS-		A0-02-3540	A0-03-2-010	A0-03-2-003	A0-03-2-004	A0-03-2-005	A0-03-2-007	A0-03-2-021	A0-04-3503	A0-04-3514	A0-04-3502
Air Station Number		2	3	3	3	3	3	3	4	4	4
Units		Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng
VOLATILE COMPOUNDS	Quantitation Limit	Dup. of A0-02-3533	Trip Blank	Pond 1	Dup. of A0-03-2-007	Backup of A0-03-2-007	Pond 1	Field Blank	Pond 2	Field Blank	Trip Blank
TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMA											
VOLATILE COMPONENTS			-	-	-	-	-	-	-	-	-
Trichlorofluoromethane		200 R									
Acetone		20 J									
Carbon Tetrachloride		10 R									
Dichlorodifluoromethane											
Butane											
Acetone											
Sulfur Dioxide											
1,4-Dioxane											
Trichlorofluoromethane											
1,1,2-Trichlorotrifluoroethane											
Acetone											
Carbon Tetrachloride											

AIR SAMPLES

VOLATILE ORGANIC ANALYSES: CMS

ERM-Midwest Sample Number	RNS-	AO-05-3508	AO-05-3510	AO-05-3518	AO-05-3517	AO-06-3515	AO-06-3504	AO-06-3531	AO-06-3542	AO-06-3543
Air Station Number		5	5	5	5	6	6	6	6	6
Units		Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng
VOLATILE COMPOUNDS	Quantitation Limit	Pond 7	Rep. of AO-05-3508	Field Blank	Trip Blank	Dup. of AO-06-3504	Leachate System	Field Blank	Backup to AO-06-3543	Leachate System
Chloromethane	10									
Vinyl Chloride	10									
Bromomethane	10									
Chloroethane	10			R						
cis-1,2-Dichloroethene	10									
Carbon Disulfide	10									
Methylene Chloride	10				25					
trans-1,2-Dichloroethene	10									
1,1-Dichloroethane	10									
Vinyl Acetate	10									
1,1-Dichloroethene	10									
1,1,1-Trichloroethane	10	22 J								22
Benzene	10									
1,2-Dichloroethane	10									
Toluene	10									
Tetrachloroethene	10									
Date of Sample Collection		9/27/90	9/27/90	9/27/90	9/27/90	9/29/90	9/29/90	10/27/90	10/27/90	10/27/90
Date Sample Received by Laboratory		9/28/90	9/28/90	9/28/90	9/28/90	10/2/90	10/2/90	10/30/90	10/30/90	10/30/90
Date Sample Analyzed		10/11/90	10/11/90	10/11/90	10/11/90	10/11/90	10/09/90	11/07/90	11/07/90	11/07/90

AIR SAMPLES

VOLATILE ORGANIC ANALYSES: CMS

ERM-Midwest Sample Number RNS-		A0-05-3508	A0-05-3510	A0-05-3518	A0-05-3517	A0-06-3515	A0-06-3504	A0-06-3531	A0-06-3542	A0-06-3543
Air Station Number		5	5	5	5	6	6	6	6	6
Units		Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng
VOLATILE COMPOUNDS	Quantitation Limit	Pond 7	Rep. of A0-05-3508	Field Blank	Trip Blank	Dup. of A0-06-3504	Leachate System	Field Blank	Backup to A0-06-3543	Leachate System
TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMAT										
VOLATILE COMPONENTS			-		-	-	-	-	-	
Trichlorofluoromethane										
Acetone										
Carbon Tetrachloride										
Dichlorodifluoromethane		50 J								
Butane		20 J								
Acetone		10 J								
Sulfur Dioxide				70 J						
1,4-Dioxane				50 J						
Trichlorofluoromethane										200 R
1,1,2-Trichlorotrifluoroethane										20 J
Acetone										20 J
Carbon Tetrachloride										10 R

AIR SAMPLES

VOLATILE ORGANIC ANALYSES: TENAX

ERM-Midwest Sample Number	RNS-	AO-01-1-004	AO-01-1-031	AO-01-1-034	AO-01-1-028	AO-02-3432	AO-02-3436	AO-02-3441	AO-02-3442	AO-02-3440	AO-02-3433
Air Station Number		1	1	1	1	2	2	2	2	2	2
Units		Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng
VOLATILE COMPOUNDS	Quantitation Limit	Korans Upwind	Rep. of AO-01-1-004	Field Blank	Trip Blank	Field Blank	Trip Blank	Backup of AO-02-3442	Dup. of AO-02-3433	Backup of AO-02-3433	Dup. of AO-02-3442
Chloroform	5										
Carbon Tetrachloride	5	7.5							11		9.4
Trichloroethene	5										
1,2-Dichloropropane	5										
Bromodichloromethane	5										
cis-1,2-Dichloropropene	5										
trans-1,2-Dichloropropene	5										
1,1,2-Trichloroethane	5										
Dibromochloromethane	5										
Chlorobenzene	5								12		9.7
Ethylbenzene	5										
Total Xylenes	5								12		8.1
Styrene	5										
Bromoform	5										
1,1,2,2-Tetrachloroethane	5										
Date of Sample Collection		9/13/90	9/13/90	9/13/90	9/13/90	10/27/90	10/27/90	10/27/90	10/27/90	10/27/90	10/27/90
Date Sample Received by Laboratory		9/14/90	9/14/90	9/14/90	9/14/90	10/30/90	10/30/90	10/30/90	10/30/90	10/30/90	10/30/90
Date Sample Analyzed		9/26/90	9/26/90	9/26/90	9/26/90	11/5/90	11/5/90	11/5/90	11/5/90	11/5/90	11/5/90

AIR SAMPLES

VOLATILE ORGANIC ANALYSES: TENAX

ERM-Midwest Sample Number RNS-		AO-01-1-004	AO-01-1-031	AO-01-1-034	AO-01-1-028	AO-02-3432	AO-02-3436	AO-02-3441	AO-02-3442	AO-02-3440	AO-02-3433
Air Station Number		1	1	1	1	2	2	2	2	2	2
Units		Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng
VOLATILE COMPOUNDS	Quantitation Limit	Korans Upwind	Rep. of AO-01-1-004	Field Blank	Trip Blank	Field Blank	Trip Blank	Backup of AO-02-3442	Dup. of AO-02-3433	Backup of AO-02-3433	Dup. of AO-02-3442
TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTRATIONS											
VOLATILE COMPONENTS				-	-						
Acetone		50 J	40 J					100 J	70 J		30 J
1,1,1-Trichloroethane		10 R							30 R		20 R
Benzene		30 R	20 R						20 R		20 R
Trichlorofluoromethane						20 J	200 J	1000 R	300 R	200 R	100 R
Toluene									40 R		20 R
Benzaldehyde								40 R		30 R	70 R
Phenylethanone											50 R
Methylene Chloride							30 R	20 R	20 R	30 R	20 R
Hexane											
Tetrachloroethene											
Chlorodifluoroethane											
1,2-Dichloroethene											
Tetrachloroethene											

AIR SAMPLES

VOLATILE ORGANIC ANALYSES: TENAX

ERM-Midwest Sample Number	RNS-	AO-02-3416	AO-02-3406	AO-02-3418	AO-02-3404	AO-02-3413	AO-02-3408	AO-03-1-025	AO-03-1-026	AO-03-1-023	AO-03-1-024
Air Station Number		2	2	2	2	2	2	3	3	3	3
Units		Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng
VOLATILE COMPOUNDS	Quantitation Limit	Downwind	Rep. of AO-02-3404	Backup of AO-02-3404	Downwind	Field Blank	Trip Blank	Pond 1	Dup. of AO-03-1-024	Backup of AO-03-1-024	Pond 1
Chloroform	5	UL	UL	UL	UL	UL	UL				
Carbon Tetrachloride	5	UL	12 J	UL	6.5 J	UL	UL		11 J		
Trichloroethene	5	UL	UL	UL	UL	UL	UL				
1,2-Dichloropropane	5	UL	UL	UL	UL	UL	UL				
Bromodichloromethane	5	UL	UL	UL	UL	UL	UL				
cis-1,2-Dichloropropene	5	UL	UL	UL	UL	UL	UL				
trans-1,2-Dichloropropene	5	UL	UL	UL	UL	UL	UL				
1,1,2-Trichloroethane	5	UL	UL	UL	UL	UL	UL				
Dibromochloromethane	5	UL	UL	UL	UL	UL	UL				
Chlorobenzene	5	UL	UL	UL	UL	UL	UL				
Ethylbenzene	5	UL	UL	UL	UL	UL	UL				
Total Xylenes	5	UL	5.8 J	UL	UL	UL	UL				
Styrene	5	UL	UL	UL	UL	UL	UL				
Bromoform	5	UL	UL	UL	UL	UL	UL				
1,1,2,2-Tetrachloroethane	5	UL	UL	UL	UL	UL	UL				
Date of Sample Collection		9/28/90	9/28/90	9/28/90	9/28/90	9/28/90	9/28/90	9/10/90	9/10/90	9/10/90	9/10/90
Date Sample Received by Laboratory		10/02/90	10/02/90	10/02/90	10/02/90	10/02/90	10/02/90	9/12/90	9/12/90	9/12/90	9/12/90
Date Sample Analyzed		10/17/90	10/17/90	10/17/90	10/17/90	10/17/90	10/17/90	9/17/90	9/20/90	9/20/90	9/20/90

AIR SAMPLES

VOLATILE ORGANIC ANALYSES: TENAX

ERM-Midwest Sample Number RNS-		AO-02-3416	AO-02-3406	AO-02-3418	AO-02-3404	AO-02-3413	AO-02-3408	AO-03-1-025	AO-03-1-026	AO-03-1-023	AO-03-1-024
Air Station Number		2	2	2	2	2	2	3	3	3	3
Units		Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng
VOLATILE COMPOUNDS	Quantitation Limit	Downwind	Rep. of AO-02-3404	Backup of AO-02-3404	Downwind	Field Blank	Trip Blank	Pond 1	Dup. of AO-03-1-024	Backup of AO-03-1-024	Pond 1
TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMAT											
VOLATILE COMPONENTS											
Acetone		40 J	100 J	30 J	40 J	20 J		30 J	40 J	30 J	30 J
1,1,1-Trichloroethane									20 R		
Benzene		20 R	90 R	20 R	30 R	30 J		20 R	30 R	20 R	
Trichlorofluoromethane		10 R						10 R	10 R	10 R	10 R
Toluene			20 R								
Benzaldehyde		200 R	500 R	400 R	400 R	400 J	200 J		30 J	40 J	
Phenylethanone		100 R	600 R	500 R	300 R	500 J	300 J				
Methylene Chloride			20 R								
Hexane											
Tetrachloroethene											
Chlorodifluoroethane											
1,2-Dichloroethene											
Tetrachloroethene											

AIR SAMPLES

VOLATILE ORGANIC ANALYSES: TENAX

ERM-Midwest Sample Number	RNS-	AO-03-1-007	AO-03-1-011	AO-04-3412	AO-04-3407	AO-04-3410	AO-05-3411	AO-05-3409	AO-05-3401	AO-05-3405	AO-06-3403
Air Station Number		3	3	4	4	4	5	5	5	5	6
Units		Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng
VOLATILE COMPOUNDS	Quantitation Limit	Field Blank	Trip Blank	Pond 2	Trip Blank	Field Blank	Pond 7	Rep. of AO-05-3411	Field Blank	Trip Blank	Trip Blank
Chloroform	5										UL
Carbon Tetrachloride	5			12			12 J	5.6 J			UL
Trichloroethene	5			9.5							UL
1,2-Dichloropropane	5										UL
Bromodichloromethane	5										UL
cis-1,2-Dichloropropene	5										UL
trans-1,2-Dichloropropene	5										UL
1,1,2-Trichloroethane	5										UL
Dibromochloromethane	5										UL
Chlorobenzene	5										UL
Ethylbenzene	5			5.5							UL
Total Xylenes	5			19			8.8 J				UL
Styrene	5										UL
Bromoform	5										UL
1,1,2,2-Tetrachloroethane	5										UL
Date of Sample Collection		9/10/90	9/10/90	9/29/90	9/29/90	9/29/90	9/27/90	9/27/90	9/27/90	9/27/90	9/29/90
Date Sample Received by Laboratory		9/12/90	9/12/90	10/1/90	10/1/90	10/1/90	9/28/90	9/28/90	9/28/90	9/28/90	10/2/90
Date Sample Analyzed		9/24/90	9/17/90	10/12/90	10/12/90	10/12/90	10/11/90	10/11/90	10/11/90	10/11/90	10/17/90

AIR SAMPLES

VOLATILE ORGANIC ANALYSES: TENAX

ERM-Midwest Sample Number RNS-		AO-03-1-007	AO-03-1-011	AO-04-3412	AO-04-3407	AO-04-3410	AO-05-3411	AO-05-3409	AO-05-3401	AO-05-3405	AO-06-3403
Air Station Number		3	3	4	4	4	5	5	5	5	6
Units		Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng
VOLATILE COMPOUNDS	Quantitation Limit	Field Blank	Trip Blank	Pond 2	Trip Blank	Field Blank	Pond 7	Rep. of AO-05-3411	Field Blank	Trip Blank	Trip Blank
TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMAT											
VOLATILE COMPONENTS											
Acetone				60 R		10 J	40 R	40 R	20 J		
1,1,1-Trichloroethane											
Benzene				30 R				20 R		10 J	
Trichlorofluoromethane											
Toluene				20 R			20 R				
Benzaldehyde				100 R	90 J	90 J	600 R	600 R	400 J	200 J	30 J
Phenylethanone				100 R	100 J	70 J	500 R	600 R	400 J	200 J	50 J
Methylene Chloride									40 J		
Hexane				100 J							
Tetrachloroethene				40 R							
Chlorodifluoroethane									30 J		
1,2-Dichloroethene											
Tetrachloroethene											

AIR SAMPLES

VOLATILE ORGANIC ANALYSES: TENAX

ERM-Midwest Sample Number	RNS-	AO-06-3419	AO-06-3415	AO-06-3430	AO-06-3438	AO-06-3443	AO-06-3439	AO-06-3431
Air Station Number		6	6	6	6	6	6	6
Units		Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng
VOLATILE COMPOUNDS	Quantitation Limit	Dup. of AO-06-3415	Leachate System	Field Blank	Backup to AO-06-3443	Dup. of AO-06-3431	Backup to AO-06-3431	Leachate System
Chloroform	5	UL	UL					
Carbon Tetrachloride	5	12 J	12 J			12		12
Trichloroethene	5	12 J	11 J					
1,2-Dichloropropane	5	UL	UL					
Bromodichloromethane	5	UL	UL					
cis-1,2-Dichloropropene	5	UL	UL					
trans-1,2-Dichloropropene	5	UL	UL					
1,1,2-Trichloroethane	5	UL	UL					
Dibromochloromethane	5	UL	UL					
Chlorobenzene	5	UL	6.6 J					
Ethylbenzene	5	11 J	11 J					
Total Xylenes	5	44 J	44 J			15		15
Styrene	5	6.8 J	UL					
Bromoform	5	UL	UL					
1,1,2,2-Tetrachloroethane	5	UL	UL					
Date of Sample Collection		9/29/90	9/29/90	10/27/90	10/27/90	10/27/90	10/27/90	10/27/90
Date Sample Received by Laboratory		10/2/90	10/2/90	10/30/90	10/30/90	10/30/90	10/30/90	10/30/90
Date Sample Analyzed		10/17/90	10/17/90	11/02/90	11/02/90	11/02/90	11/02/90	11/02/90

AIR SAMPLES

VOLATILE ORGANIC ANALYSES: TENAX

ERM-Midwest Sample Number RNS-		AO-06-3419	AO-06-3415	AO-06-3430	AO-06-3438	AO-06-3443	AO-06-3439	AO-06-3431
Air Station Number		6	6	6	6	6	6	6
Units		Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng	Total-ng
VOLATILE COMPOUNDS	Quantitation Limit	Dup. of AO-06-3415	Leachate System	Field Blank	Backup to AO-06-3443	Dup. of AO-06-3431	Backup to AO-06-3431	Leachate System
TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMAT								
VOLATILE COMPONENTS								
Acetone		70 J	60 J			30 J		50 J
1,1,1-Trichloroethane						20 R		20 R
Benzene		50 R	40 R			20 R		20 R
Trichlorofluoromethane					300 R	100 R	100 R	200 R
Toluene		40 R	40 R			20 R		20 R
Benzaldehyde		90 R	80 R			30 R		
Phenylethanone		60 R	80 R					
Methylene Chloride					30 R	20 R		
Hexane								
Tetrachloroethene								
Chlorodifluoroethane								
1,2-Dichloroethene						30 R		30 R
Tetrachloroethene								10 R

AIR SAMPLES

EXTRACTABLE ORGANIC ANALYSIS: XAD2

ERM-Midwest Sample Number RNS-		AO-01-3-022	AO-01-3-025	AO-01-3-026	AO-02-3-036	AO-02-3-037	AO-02-3-038	AO-02-3-039	AO-02-3-040	AO-02-3-041	AO-03-3-003
Air Station Number		1	1	1	2	2	2	2	2	2	3
Units		Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug
SEMIVOLATILE COMPOUNDS	Quantitation Limit	Korans Upwind	Trip Blank	Field Blank	Backup to AO-02-3-037	Rep. of AO-02-3-039	Backup to AO-02-3-039	Leachate System	Field Blank	Trip Blank	Pond 1
Phenol	10										
bis(2-Chloroethyl)Ether	10										
2-Chlorophenol	10										
1,3-Dichlorobenzene	10										
1,4-Dichlorobenzene	10										
Benzyl Alcohol	10										
1,2-Dichlorobenzene	10										
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										
bis(2-Chloroethoxy)Methane	10										
2,4-Dichlorophenol	10										
1,2,4-Trichlorobenzene	10										
Naphthalene	10										
4-Chloroaniline	10										
Hexachlorobutadiene	10										

AIR SAMPLES

EXTRACTABLE ORGANIC ANALYSIS: XAD2

ERM-Midwest Sample Number	RNS-	AO-01-3-022	AO-01-3-025	AO-01-3-026	AO-02-3-036	AO-02-3-037	AO-02-3-038	AO-02-3-039	AO-02-3-040	AO-02-3-041	AO-03-3-003
Air Station Number		1	1	1	2	2	2	2	2	2	3
Units		Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug
SEMIVOLATILE COMPOUNDS	Quantitation Limit	Korans Upwind	Trip Blank	Field Blank	Backup to AO-02-3-037	Rep. of AO-02-3-039	Backup to AO-02-3-039	Leachate System	Field Blank	Trip Blank	Pond 1
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	10										1.1 J

AIR SAMPLES

EXTRACTABLE ORGANIC ANALYSIS: XAD2

ERM-Midwest Sample Number RNS-		AO-01-3-022	AO-01-3-025	AO-01-3-026	AO-02-3-036	AO-02-3-037	AO-02-3-038	AO-02-3-039	AO-02-3-040	AO-02-3-041	AO-03-3-003
Air Station Number		1	1	1	2	2	2	2	2	2	3
Units		Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug
SEMIVOLATILE COMPOUNDS	Quantitation Limit	Korans Upwind	Trip Blank	Field Blank	Backup to AO-02-3-037	Rep. of AO-02-3-039	Backup to AO-02-3-039	Leachate System	Field Blank	Trip Blank	Pond 1
4-Bromophenyl-phenylether	10										
Hexachlorobenzene	10										
Pentachlorophenol	50										
Phenanthrene	10										
Anthracene	10										
Di-n-Butylphthalate	10										
Fluoranthene	10										
Pyrene	10										
Butylbenzylphthalate	10										
3,3'-Dichlorobenzidine	20										
Benzo(a)Anthracene	10										
Chrysene	10										
bis(2-Ethylhexyl)Phthalate	10	2.1 U	2.7 J								1.3 U
Di-n-Octyl Phthalate	10										
Benzo(b)Fluoranthene	10										
Benzo(k)Fluoranthene	10										
Benzo(a)Pyrene	10										
Indeno(1,2,3-cd)Pyrene	10										
Dibenzo(a,h)Anthracene	10										
Benzo(g,h,i)Perylene	10										
Diphenyl Sulfone	10										
3,4-Dichloronitrobenzene	25										
Quantitation Limit Multiplier		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

AIR SAMPLES

EXTRACTABLE ORGANIC ANALYSIS: XAD2

ERM-Midwest Sample Number RNS-		AO-01-3-022	AO-01-3-025	AO-01-3-026	AO-02-3-036	AO-02-3-037	AO-02-3-038	AO-02-3-039	AO-02-3-040	AO-02-3-041	AO-03-3-003
Air Station Number		1	1	1	2	2	2	2	2	2	3
Units		Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug
SEMIVOLATILE COMPOUNDS	Quantitation Limit	Korans Upwind	Trip Blank	Field Blank	Backup to AO-02-3-037	Rep. of AO-02-3-039	Backup to AO-02-3-039	Leachate System	Field Blank	Trip Blank	Pond 1
Date Sample Received by Laboratory		10/14/90	10/14/90	10/14/90	10/2/90	10/2/90	10/2/90	10/2/90	10/2/90	10/2/90	9/12/90
Date Sample Extracted		9/21/90	9/21/90	9/21/90	10/11/90	10/11/90	10/11/90	10/11/90	10/11/90	10/11/90	9/21/90
Date of Sample Analysis		10/3/90	10/3/90	10/3/90	10/26/90	10/26/90	10/26/90	10/26/90	10/26/90	10/26/90	10/3/90

AIR SAMPLES

EXTRACTABLE ORGANIC ANALYSIS: XAD2

ERM-Midwest Sample Number RNS-		AO-03-3-004	AO-03-3-005	AO-03-3-006	AO-03-3-007	AO-03-3-008	AO-04-3-042	AO-04-3-043	AO-04-3-044	AO-05-3-030	AO-05-3-034
Air Station Number		3	3	3	3	3	4	4	4	5	5
Units		Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug
SEMIVOLATILE COMPOUNDS	Quantitation Limit	Dup. of AO-03-3-006	Backup to AO-03-3-006	Pond 1	Field Blank	Trip Blank	Pond 2	Field Blank	Trip Blank	Field Blank	Pond 7
Phenol	10										
bis(2-Chloroethyl)Ether	10										
2-Chlorophenol	10										
1,3-Dichlorobenzene	10										
1,4-Dichlorobenzene	10										
Benzyl Alcohol	10										
1,2-Dichlorobenzene	10										
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										
bis(2-Chloroethoxy)Methane	10										
2,4-Dichlorophenol	10										
1,2,4-Trichlorobenzene	10										
Naphthalene	10										
4-Chloroaniline	10										
Hexachlorobutadiene	10										

AIR SAMPLES

EXTRACTABLE ORGANIC ANALYSIS: XAD2

ERM-Midwest Sample Number RNS-		AO-03-3-004	AO-03-3-005	AO-03-3-006	AO-03-3-007	AO-03-3-008	AO-04-3-042	AO-04-3-043	AO-04-3-044	AO-05-3-030	AO-05-3-034
Air Station Number		3	3	3	3	3	4	4	4	5	5
Units		Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug
SEMIVOLATILE COMPOUNDS	Quantitation Limit	Dup. of AO-03-3-006	Backup to AO-03-3-006	Pond 1	Field Blank	Trip Blank	Pond 2	Field Blank	Trip Blank	Field Blank	Pond 7
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	10										

AIR SAMPLES

EXTRACTABLE ORGANIC ANALYSIS: XAD2

ERM-Midwest Sample Number RNS-		AO-03-3-004	AO-03-3-005	AO-03-3-006	AO-03-3-007	AO-03-3-008	AO-04-3-042	AO-04-3-043	AO-04-3-044	AO-05-3-030	AO-05-3-034
Air Station Number		3	3	3	3	3	4	4	4	5	5
Units		Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug
SEMIVOLATILE COMPOUNDS	Quantitation Limit	Dup. of AO-03-3-006	Backup to AO-03-3-006	Pond 1	Field Blank	Trip Blank	Pond 2	Field Blank	Trip Blank	Field Blank	Pond 7
4-Bromophenyl-phenylether	10										
Hexachlorobenzene	10										
Pentachlorophenol	50										
Phenanthrene	10										
Anthracene	10										
Di-n-Butylphthalate	10										
Fluoranthene	10										
Pyrene	10										
Butylbenzylphthalate	10										
3,3'-Dichlorobenzidine	20										
Benzo(a)Anthracene	10										
Chrysene	10										
bis(2-Ethylhexyl)Phthalate	10	2.6 U	3.2 U	1.2 U	1.9 J	3.0 J					
Di-n-Octyl Phthalate	10										
Benzo(b)Fluoranthene	10										
Benzo(k)Fluoranthene	10										
Benzo(a)Pyrene	10										
Indeno(1,2,3-cd)Pyrene	10										
Dibenzo(a,h)Anthracene	10										
Benzo(g,h,i)Perylene	10										
Diphenyl Sulfone	10										
3,4-Dichloronitrobenzene	25										
Quantitation Limit Multiplier		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

AIR SAMPLES

EXTRACTABLE ORGANIC ANALYSIS: XAD2

ERM-Midwest Sample Number RNS-		AO-03-3-004	AO-03-3-005	AO-03-3-006	AO-03-3-007	AO-03-3-008	AO-04-3-042	AO-04-3-043	AO-04-3-044	AO-05-3-030	AO-05-3-034
Air Station Number		3	3	3	3	3	4	4	4	5	5
Units		Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug
SEMIVOLATILE COMPOUNDS	Quantitation Limit	Dup. of AO-03-3-006	Backup to AO-03-3-006	Pond 1	Field Blank	Trip Blank	Pond 2	Field Blank	Trip Blank	Field Blank	Pond 7
Date Sample Received by Laboratory		9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	10/1/90	10/1/90	10/1/90	9/28/90	9/28/90
Date Sample Extracted		9/21/90	9/21/90	9/21/90	9/21/90	9/21/90	10/8/90	10/8/90	10/8/90	10/8/90	10/8/90
Date of Sample Analysis		10/8/90	10/8/90	10/8/90	10/8/90	10/8/90	10/16/90	10/16/90	10/16/90	10/15/90	10/15/90

AIR SAMPLES

EXTRACTABLE ORGANIC ANALYSIS: XAD2

ERM-Midwest Sample Number RNS-		AO-05-3-035	AO-06-3-009	AO-06-3-011	AO-06-3-012	AO-06-3-014
Air Station Number		5	6	6	6	6
Units		Total ug	Total ug	Total ug	Total ug	Total ug
SEMIVOLATILE COMPOUNDS	Quantitation Limit	Trip Blank	Trip Blank	Field Blank	Dup. of AO-06-3-014	Leachate System
Phenol	10					
bis(2-Chloroethyl)Ether	10					
2-Chlorophenol	10					
1,3-Dichlorobenzene	10					
1,4-Dichlorobenzene	10					
Benzyl Alcohol	10					
1,2-Dichlorobenzene	10					
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					
bis(2-Chloroethoxy)Methane	10					
2,4-Dichlorophenol	10					
1,2,4-Trichlorobenzene	10					
Naphthalene	10					
4-Chloroaniline	10					
Hexachlorobutadiene	10					

AIR SAMPLES

EXTRACTABLE ORGANIC ANALYSIS: XAD2

ERM-Midwest Sample Number RNS-		AO-05-3-035	AO-06-3-009	AO-06-3-011	AO-06-3-012	AO-06-3-014
Air Station Number		5	6	6	6	6
Units		Total ug	Total ug	Total ug	Total ug	Total ug
SEMIVOLATILE COMPOUNDS	Quantitation Limit	Trip Blank	Trip Blank	Field Blank	Dup. of AO-06-3-014	Leachate System
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	10					

AIR SAMPLES

EXTRACTABLE ORGANIC ANALYSIS: XAD2

ERM-Midwest Sample Number RNS-		AO-05-3-035	AO-06-3-009	AO-06-3-011	AO-06-3-012	AO-06-3-014
Air Station Number		5	6	6	6	6
Units		Total ug	Total ug	Total ug	Total ug	Total ug
SEMIVOLATILE COMPOUNDS	Quantitation Limit	Trip Blank	Trip Blank	Field Blank	Dup. of AO-06-3-014	Leachate System
4-Bromophenyl-phenylether	10					
Hexachlorobenzene	10					
Pentachlorophenol	50					
Phenanthrene	10					
Anthracene	10					
Di-n-Butylphthalate	10					
Fluoranthene	10					
Pyrene	10					
Butylbenzylphthalate	10					
3,3'-Dichlorobenzidine	20					
Benzo(a)Anthracene	10					
Chrysene	10					
bis(2-Ethylhexyl)Phthalate	10		9.0 J	6.2 J	5.3 U	13 U
Di-n-Octyl Phthalate	10					
Benzo(b)Fluoranthene	10					
Benzo(k)Fluoranthene	10					
Benzo(a)Pyrene	10					
Indeno(1,2,3-cd)Pyrene	10					
Dibenzo(a,h)Anthracene	10					
Benzo(g,h,i)Perylene	10					
Diphenyl Sulfone	10					
3,4-Dichloronitrobenzene	25					
Quantitation Limit Multiplier		1.0	1.0	1.0	1.0	1.0

AIR SAMPLES

EXTRACTABLE ORGANIC ANALYSIS: XAD2

ERM-Midwest Sample Number RNS-		AO-05-3-035	AO-06-3-009	AO-06-3-011	AO-06-3-012	AO-06-3-014
Air Station Number		5	6	6	6	6
Units		Total ug	Total ug	Total ug	Total ug	Total ug
SEMIVOLATILE COMPOUNDS	Quantitation Limit	Trip Blank	Trip Blank	Field Blank	Dup. of AO-06-3-014	Leachate System
Date Sample Received by Laboratory		9/28/90	9/12/90	9/12/90	9/12/90	9/12/90
Date Sample Extracted		10/8/90	9/21/90	9/21/90	9/21/90	9/21/90
Date of Sample Analysis		10/15/90	10/8/90	10/9/90	10/9/90	10/9/90

AIR SAMPLES

EXTRACTABLE ORGANIC ANALYSIS: PUF

ERM-Midwest Sample Number RNS-		AO/AP-01-4-005	AO/AP-02-4-008	AO/AP-03-4-001	AO/AP-03-4-002	AO/AP-04-4-006	AO-05-4-00	AO/AP-06-4-003	AO/AP-06-4-004
Air Station Number		1	2	3	3	4	5	6	6
Units		Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug
PESTICIDES	Quantitation Limit	Korans Upwind	Downwind	Pond 1	Dup. of AO/AP-03-4-001	Pond 2	Pond 7	Leachate System	Dup. of AO/AP-06-4-004
alpha-BHC	0.24			0.57 R	0.55 R			0.72 R	0.79 R
beta-BHC	0.24					R			
delta-BHC	0.24					0 47 R			
Lindane	0.24								
Heptachlor	0.24								
Aldrin	0.24								
Heptachlor Epoxide	0.24			0.27 R					
Endosulfan I	0.24								
Dieldrin	0.48								
4,4'-DDE	0.48								
Endrin	0.48								
Endosulfan II	0.48								
4,4'-DDD	0.48								
Endosulfan Sulfate	0.48								
4,4'-DDT	0.48								
Methoxychlor	2.4								
Endrin Ketone	0.48								
alpha-Chlordane	2.4								
gamma-Chlordane	2.4								
Toxaphene	4.8								

AIR SAMPLES

EXTRACTABLE ORGANIC ANALYSIS: PUF

ERM-Midwest Sample Number RNS-		AO/AP-01-4-005	AO/AP-02-4-008	AO/AP-03-4-001	AO/AP-03-4-002	AO/AP-04-4-006	AO-05-4-00	AO/AP-06-4-003	AO/AP-06-4-004
Air Station Number		1	2	3	3	4	5	6	6
Units		Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug
PCBs	Quantitation Limit	Korans Upwind	Downwind	Pond 1	Dup. of AO-AP-03-4-001	Pond 2	Pond 7	Leachate System	Dup. of AO-AP-06-4-004
Arcolor-1016	2.4								
Arcolor-1221	2.4								
Arcolor-1232	2.4								
Arcolor-1242	2.4								
Arcolor-1248	2.4								
Arcolor-1254	2.4								
Arcolor-1260	2.4								
Quantitation Limit Multiplier		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Date Sample Received by Laboratory		9/15/90	10/1/90	9/12/90	9/12/90	9/15/90	9/27/90	9/13/90	9/13/90
Date Sample Extracted		9/22/90	10/11/90	9/22/90	9/22/90	9/22/90	10/8/90	9/22/90	9/22/90
Date of Sample Analysis		10/17/90	10/24/90	10/17/90	10/17/90	10/17/90	10/24/90	10/17/90	10/17/90

AIR SAMPLES

EXTRACTABLE ORGANIC ANALYSIS: PUF

ERM-Midwest Sample Number RNS-		AO/AP-01-4-005	AO/AP-02-4-008	AO/AP-03-4-001	AO/AP-03-4-002	AO/AP-04-4-006	AO-05-4-00	AO/AP-06-4-003	AO/AP-06-4-004
Air Station Number		1	2	3	3	4	5	6	6
Units		Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug	Total ug
COMPOUNDS	Reporting Limit	Korans Upwind	Downwind	Pond 1	Dup. of AO/AP-03-4-001	Pond 2	Pond 7	Leachate System	Dup. of AO/AP-06-4-004
Kepone	1.09								
Photomirex	0.104	0.348 J	0.405 J	1.42 J	1.50 J	1.87 J	0.295 J	0.880 J	1.29 J
Mirex	0 067	1.62 J	2.36 J	6.88 J	7.48 J	15.6 J	6.84 J	5.62 J	10.9 J
Reporting Limit Multiplier		5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Date Sample Collected		9/14/90	9/29/90	9/11/90	9/11/90	9/14/90	9/27/90	9/12/90	9/12/90
Date Sample Received by Laboratory		9/15/90	10/1/90	9/12/90	9/12/90	9/15/90	9/28/90	9/13/90	9/13/90
Date Sample Extracted		9/22/90	10/11/90	9/22/90	9/22/90	9/22/90	10/8/90	9/22/90	9/22/90
Date of Sample Analysis		10/2/90	10/18/90	10/2/90	10/2/90	10/2/90	10/17/90	10/2/90	10/12/90

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	/1007	/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).

U.S. DEPARTMENT OF COMMERCE—**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION**—NATIONAL WEATHER SERVICE

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 2210/10: 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. SIGMETs concern severe and extreme conditions of importance to all aircraft (i.e. icing, turbulence and dust storms/sandstorms or volcanic ash). Convective SIGMETs are issued for thunderstorms if they are sufficiently strong, wide spread or embedded. AIRMETs concern less severe conditions which may be hazardous to aircraft particularly smaller aircraft and less experienced or VFR only pilots. CWAs (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	3516-27	3512-38	311645	292451	283451
JFK	3225	3327-08	3324-12	3322-16	3122-27	2923-38	284248	285150	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.

U.S. DEPARTMENT OF COMMERCE—**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION**—NATIONAL WEATHER SERVICE —REVISED JANUARY 1987

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&Obsns Slp/Temp/Dp/Wnd/Asi/ Remarks&SupplementalCodedData

SA 0050 250 -SCT 10 180/59/58/2004/007/ 000 1001 74 (GES 05:53Z)

72524 32966 22004 10150 20144 39890 40180 50000 80001 333 10233 20150 70272 555 91006= (GES05:54Z)

SA 0150 250 -SCT 10 184/59/58/2104/008 (GES 06:50Z)
SA 0250 250 -SCT 10 183/59/58/2204/008/ 98323 (GES 07:51Z)
SA 0350 250 -SCT 10 185/59/59/2205/008/ 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 82305 10156 20144 39909 40200 52014 80007 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 82407 10256 20172 39910 40200 50000 82107 333 10256 20139 555 44023 91018= (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 82405 10233 20178 39910 40201 53012 80007 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)

MF1-10B

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

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	
1350	29.260					
1450	29.245					
1551	29.230			7	012	
1650	29.230					
1750	29.240					
1851	29.265			3	012	
1953	29.270					
2052	29.260					
2153	29.260			1	005	
2250	29.290					
2350	29.300					

[CLOUD LAYERS AND OBSCURING PHENOMENA]

	[FIRST]				[SECOND]				[THIRD]				[FOURTH]				[FIFTH]				[SIXTH]				
	Tot.							1st.				2nd.				3rd.				4th				Tot.
Time	Sky	Amt	Type	Hgt	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Opq.
-16-	-21-	-22-	-23-	-24-	-25-	-26-	-27-	-28-	-29-	-30-	-31-	-32-	-33-	-34-	-35-									-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
0750	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	5
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)	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										
0349		0.00	0.0		60	59				
0849	1	0.00	0.0	0	67	59			29.200	+0.005
0549	2	0.00	0.0	0	60	57			29.250	+0.010
1249	3	0.00	0.0	0	78	60			29.260	+0.005
1849	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)	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-							
81	57	0.00	0.0	0	15	SW	1401	9	8		0602	1846	672	88	9	23	1551

Weather & Obstruction to Vision

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

<<<< None Logged >>>>

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90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLEAR Character of Sunset: CLOUDY

Time Check: 0040/0625/1024/

LAKE TEMP 74 DEGREES//HYGROTHERMOMETER CHECK 1020E HOB3 D.B. 74.3 D.P. 62.4

SHELTER D.B. 74.7 W.B. 66.8 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 10169 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 227/77/67/3508/021/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/ 408 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)

IF1-10B

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

Time -16-	Station Pressure -17-	Dry Bulb -18-	Wet Bulb -19-	[pressure] tendency -37-	net chg -38-	Precipitation -40-
0051	29.305			1	008	
0151	29.305					
0251	29.305					
0350	29.320			3	005	
0450	29.330					
0550	29.345					
0651	29.365			2	015	
0750	29.360					
0850	29.370					
0951	29.375			2	003	
1050	29.375					
1150	29.370					
1251	29.365			8	003	
1350	29.345					
1450	29.340					
1550	29.340			6	008	
1650	29.340					
1750	29.340					
1850	29.340			4	000	
1950	29.345					
2050	29.350					
2150	29.345			0	002	
2250	29.350					
2350	29.345					

[CLOUD LAYERS AND OBSCURING PHENOMENA]

	[FIRST]				[SECOND]				1st.	[THIRD]			2nd.	[FOURTH]			3rd.	[FIFTH]			4th	[SIXTH]			Tot.
Time -16-	Tot. Sky -21-	Amt -22-	Type -23-	Hgt -24-	Amt -25-	Type -26-	Hgt -27-	Sum -28-	Amt -29-	Type -30-	Hgt -31-	Sum -32-	Amt -33-	Type -34-	Hgt -35-	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Opq. -36-
0051	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
750	10	10	CI	250						5
850	10	10	CS	250						5
1950	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)	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		66	65				
0649	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)	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-							
79	64	0.00	0.0	0	12	N	1500	10	10		0603	1844	468	61	10	2	1550

Weather & Obstruction to Vision

Type	began	end
-82-	-83-	-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/Wnd/Asi/ Remarks&SupplementalCodedData

SA 0050 250 -OVC 10 222/63/61/2004/020/ 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/ 90468 (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 80000 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 M30 BKN 130 OVC 5F 215/79/68/1305/018/MDT CU ALQDS/ 710 127/ 60 (EES 17:53Z)

72524 31558 81305 10261 20200 39926 40215 57010 70522 8027/ 333 10272 20156 555 44024 91218= (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 212/78/68/3604/017/ 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 M110 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 81804 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)

MF1-10B

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] tendency -37-	net chg -38-	Precipitation -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]

	Tot.	[FIRST]			[SECOND]			1st.	[THIRD]			2nd.	[FOURTH]			3rd.	[FIFTH]			4th	[SIXTH]			Tot.
Time -16-	Sky -21-	Amt -22-	Type -23-	Hgt -24-	Amt -25-	Type -26-	Hgt -27-	Sum -28-	Amt -29-	Type -30-	Hgt -31-	Sum -32-	Amt -33-	Type -34-	Hgt -35-	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	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

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	8	1	CS	250	9		8
1750	10	2	H	0	5	AC	M110	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 0349		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)	Min (F)	24-hr Precip (ins.)	24-hr Snow Unaltd (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-							
81	60	0.00	0.0	0	12	S	1335	10	10		0605	1842	338	45	8	16	1950

Weather & Obstruction to Vision

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

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90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLOUDY Character of Sunset: CLOUDY

Time Check: 0038/0638/1142/1538

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 81904 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 0300/019/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 1/8F 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 31508 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 1650 -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 80 (LH 23:50Z)

72524 31956 12004 10228 20194 39890 40179 57010 70500 80001 333 10267 20172 555 91408= (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/ 802 (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: 5

Time -16-	Station Pressure -17-	Dry Bulb -18-	Wet Bulb -19-	[pressure] tendency -37-	net chg -38-	Precipitation -40-
0050	29.330			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			8	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			8	002	
2250	29.190					
2350	29.175					

[CLOUD LAYERS AND OBSCURING PHENOMENA]

	[FIRST]				[SECOND]				[THIRD]				[FOURTH]				[FIFTH]				[SIXTH]			
	Tot.							1st.				2nd.				3rd.				4th				Tot.
Time	Sky	Amt	Type	Hgt	Amt	Type	Hgt	Sua	Amt	Type	Hgt	Sua	Amt	Type	Hgt	Sua	Amt	Type	Hgt	Sua	Amt	Type	Hgt	Opq.
-16-	-21-	-22-	-23-	-24-	-25-	-26-	-27-	-28-	-29-	-30-	-31-	-32-	-33-	-34-	-35-									-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	W1																				10
0450	10	10	F	W1																				10
0550	10	10	F	W1																				10
0650	10	10	F	W1																				10
0752	9	9	F	0																				9
0850	8	2	F	0	6	ST	M2	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)	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		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			29.285	+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)	Min (F)	24-hr Precip (ins.)	24-hr Snow Unaltd (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-							
80	63	0.00	0.0	0	14	S	1623	5	5		0636	1840	443	59	18	19	1150

Weather & Obstruction to Vision

Type	began	end
-82-	-83-	-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//FK WND - LAST OCCURRENCE//

MF1-10A

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

Surface Weather Observations

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

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

SA 0051 -X 3F 158/69/67/1908/001/F2/ 717 80 (EES 05:54Z)

72524 31948 01908 10206 20194 39871 40158 57017 71000 333 10267 20172 70000 555 91406= (EES05:55Z)

SA 0150 -X 3F 155/68/67/2007/000/F2 (EES 06:50Z)
SA 0250 -X 3F 150/69/67/2007/999/F2/ 98443 (EES 07:51Z)
SA 0351 -X 3F 143/67/66/1906/997/F2/ 715 (EES 08:52Z)
SA 0450 -X 3F 140/67/66/2108/996/F3 (EES 09:50Z)
SA 0550 -X 85 SCT M130 OVC 3F 136/68/67/2010/995/F3 (EES 10:51Z)
SP 0608 -X M6 BKN 95 OVC 2F 2010/994/F2 (EES 11:10Z)
SA 0651 -X M6 OVC 2RWF 131/69/68/2011/993/F4 RB39/ 71200 17// 67 (EES 11:53Z)

72524 11332 82011 10206 20200 39844 40131 57012 69901 78111 887// 333 10267 20194 98910 555 91412= (EES11:54Z)

SP 0723 -X M7 OVC 2F 2009/991/F4 (HJW 12:24Z)
SP 0739 -X M9 BKN 42 OVC 2F 1913/991/F2 (HJW 12:40Z)
SA 0751 -X M9 BKN 42 OVC 2F 123/70/69/2011/991/F2 RE01 (HJW 12:52Z)
RS 0858 -X 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 IDVC/ 83013 157/ (HJW 14:53Z)
SP 1012 20 SCT E130 BKN 3H 2015G23/983 (HJW 15:13Z)
SA 1053 20 SCT E130 BKN 3H 086/75/69/2020627/980 (HJW 15:55Z)
SP 1110 M20 BKN 130 OVC 3H 2019G25/979 (HJW 16:11Z)
SA 1154 M20 OVC 3H 068/77/69/2019/975/BINOVC (HJW 16:56Z)
RS 1251 26 SCT M46 BKN 250 BKN 3H 063/77/69/2017G29/973/ 83613 1808 67 (HJW 17:52Z)

72524 11548 72017 10250 20206 39778 40063 58036 60031 78582 86808 333 10250 20194 70033 98960 555 44024 91418= (HJW17:56Z)

SA 1350 25 SCT 46 SCT 250 -BKN 4H 051/77/69/2117G25/970 (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/DRK W-N/ 74102 157/ (LH 20:50Z)
SP 1614 17 SCT M30 OVC 1/2TRW-H 2425G32/970/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/RB08 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/RB08 TB12 E MOVG E OCNL LTGICCCCG PK WND 2436/10 PCPN 57 (LH 21:56Z)
SP 1726 10 SCT 38 SCT E50 BKN 90 OVC 10 2108/962/TE24 MOVD E CBMAM OVHD MOVD NE (LH 22:28Z)
SA 1750 M30 OVC 10 028/63/62/2009/963/FEW CUFRA TE24 MOVD E RE10 (LH 22:50Z)
SP 1756 M25 OVC 10 2108/963 (LH 22:56Z)
SA 1850 10 SCT M25 BKN 40 OVC 10 032/64/62/2406/964/BINOVC/ 00863 15// 77 (LH 23:51Z)

72524 11466 72406 10178 20167 39746 40032 50008 60161 70298 87500 333 10250 20167 70193 90921 555 91500= (LH23:52Z)

SP 1926 30 SCT M80 BKN 10 2008/965 (LH 00:27Z)
SA 1950 30 SCT 80 SCT 10 038/65/63/2707/966/RB14E20 (LH 00:50Z)
SA 2050 25 SCT M55 BKN 20 045/65/62/2008/967 (LH 01:50Z)
SA 2150 29 SCT M45 BKN 70 OVC 15RW- 052/65/61/2007/969/BINOVC RB40/ 22000 157/ (LH 02:50Z)
SA 2250 20 SCT M40 BKN 80 OVC 20 057/63/61/2307/971/BINOVC 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/BINOVC RB0356E22 (EES 04:51Z)

MF1-10B

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

Surface Weather Observations

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

Time	Station Pressure	Dry Bulb	Wet Bulb	[pressure] tendency	net chg	Precipitation
-16-	-17-	-18-	-19-	-37-	-38-	-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					0.32
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					0.18

[CLOUD LAYERS AND OBSCURING PHENOMENA]

	[FIRST]				[SECOND]			[THIRD]				[FOURTH]				[FIFTH]				[SIXTH]				
	Tot.						1st.				2nd.				3rd.				4th					Tot.
Time	Sky	Amt	Type	Hgt	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Opq.
-16-	-21-	-22-	-23-	-24-	-25-	-26-	-27-	-28-	-29-	-30-	-31-	-32-	-33-	-34-	-35-									-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	18	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)	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										
0050		0.00	0.0		69	68				
0850	1	0.00	0.0	0	73	67			29.145	+0.005
0850	2	T	0.0	0	69	67			29.060	+0.010
1248	3	0.13	0.0	0	77	68			28.880	-0.005
1846	4	0.63	0.0	0	77	62			28.765	+0.015
Mid.		0.18	0.0	0	66	62				

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-							
77	62	0.94	0.0	0	36	SW	1610	10	8		0607	1839	217	29	29	24	1614

Weather & Obstruction to Vision

Type	began	end
-82-	-83-	-84-
F	CONT B[1940]	1006
RW-	0639	0647
RW	0647	0657
RW-	0657	0701
H	1005	1628
RW-	1430	1443
RW-	1608	1615
T	1612	1724
RW+	1615	1627
F	1616	1723
RW	1627	1648
RW-	1648	1710
RW-	1914	1920
RW-	2140	2151
RW-	2256	2302
RW	2302	2313
F	2307	2326
RW-	2313	2322

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90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: FOGGY Character of Sunset: CLOUDY

Time Check: 0159/1555/1933/

LAKE TEMP 75 DEGREES//H083 OTS 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)

/2524 32580 83010 10144 20106 39609 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 20 108/59/49/2907G15/985 (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 91518= (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 28 SCT M50 OVC 20 3604/985 (LH 00:44Z)
SA 1950 28 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

Surface Weather Observations

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

Time	Station Pressure	Dry Bulb	Wet Bulb	[pressure] tend-ency	net chg	Precipitation
-16-	-17-	-18-	-19-	-37-	-38-	-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					
1950	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]

	[FIRST]			[SECOND]			[THIRD]			[FOURTH]				[FIFTH]				[SIXTH]			
	Tot.						1st.			2nd.				3rd.				4th				Tot.
Time	Sky Amt		Type	Hgt	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Opq.
-16-	-21-	-22-	-23-	-24-	-25-	-26-	-27-	-28-	-29-	-30-	-31-	-32-	-33-	-34-	-35-									-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	M53	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)	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										
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)	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-	-69-	-69-	-70-	-71	72	73-	-78-	-79-	-80-							
64	52	0.00	0.0	0	22	NW	0024	10	9		0608	1837	1	0	14	33	0040

Weather & Obstruction to Vision

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

<<<< None Logged >>>>

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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

Surface Weather Observations

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

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

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

72524 32608 01707 10122 20117 39793 40084 57017 82551 333 10172 20111 70000 555 91606= (EES05:55Z)

SA 0150 48 SCT M75 OVC 20 082/55/53/1504/977 (EES 06:50Z)
SA 0250 60 SCT M75 BKN 20 073/55/52/1806/975/ 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 7RW- 069/56/54/2406/974/RB33 (EES 10:50Z)
SP 0612 M10 OVC 5RW-F 2905/975/C16 RGD (EES 11:14Z)
SP 0635 M10 BKN 60 OVC 21/2RW-F 2305/975/C16 RGD (EES 11:36Z)
SA 0651 M13 BKN 70 OVC 21/2RW-F 076/56/55/2406/975/C16 RGD/ 20704 177/ 52 20004 (EES 11:55Z)

72524 11440 02406 10133 20128 39787 40076 52007 60011 78082 80677/ 333 10178 20111 70010 90921 555 91612= (EES11:55Z)

SP 0700 13 SCT M70 OVC 4RW-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-N (HJW 13:51Z)
SP 0944 M14 BKN 26 OVC 1TRW 2808616/977/TB43 OVHD MOV6 SE OCNL LTGIC (HJW 14:45Z)
RS 0953 M14 BKN 33 OVC 3TRW 082/56/54/3610616/977/TB43 OVHD MOV6 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 10RW- 091/56/53/0315/980/TE10 MOVD SE RE06B30 (HJW 15:54Z)
SP 1139 M20 BKN 46 OVC 10RW- 0110620/981 (HJW 16:41Z)
SA 1152 M20 BKN 46 OVC 7RW- 096/57/53/0311610/982 (HJW 16:53Z)
SP 1237 M22 BKN 46 OVC 2RW-F 0509/983 (HJW 17:38Z)
SP 1240 M22 BKN 46 OVC 3RW-F 0209615/983 (HJW 17:42Z)
SA 1251 M23 BKN 46 OVC 3RW-F 105/56/53/0207/984/ 22235 15// 52 (HJW 17:53Z)

72524 11548 00207 10133 20117 39814 40105 52022 60091 78098 885// 333 10161 20111 70099 90976 555 44024 91618= (HJW17:56Z)

SP 1344 M30 BKN 43 OVC 7RW- 0110618/986/PCPN VRY LGT (HJW 18:45Z)
SA 1350 M30 BKN 43 OVC 10RW- 110/56/52/3610/986 (HJW 18:51Z)
SP 1411 M22 BKN 30 OVC 10RW- 3509/987 (HJW 19:12Z)
SP 1438 22 SCT M33 BKN 46 OVC 20 0111/987/B1NOVC (HJW 19:39Z)
SA 1452 22 SCT M30 BKN 46 OVC 20 118/57/48/0312619/988/B1NOVC RE30 (HJW 19:53Z)
SA 1550 M30 BKN 48 OVC 20 129/57/46/3511/991/ 22417 15// (GES 20:54Z)
SA 1650 38 SCT M49 BKN 20 141/58/42/0313/995 (GES 21:52Z)
SA 1750 44 SCT M60 BKN 20 146/58/43/0308/996 (GES 22:54Z)
SA 1850 45 SCT M60 BKN 20 155/56/44/3409/999/ 22517 1500 61 (GES 23:52Z)

72524 11680 53409 10133 20067 39863 40155 52025 60041 78182 85500 333 10161 20122 70142 90941 555 91700= (GES23:57Z)

SA 1952 38 SCT 20 167/56/43/3512619/002 (GES 00:53Z)
SA 2050 37 SCT 48 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

Surface Weather Observations

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

Time	Station Pressure	Dry Bulb	Wet Bulb	[pressure] tend-ency	net chg	Preci-pitation
-16-	-17-	-18-	-19-	-37-	-38-	-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]				
	Tot.						1st.				2nd.				3rd.				4th						Tot.
Time	Sky Amt		Type	Hgt	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Opq.
-16-	-21-	-22-	-23-	-24-	-25-	-26-	-27-	-28-	-29-	-30-	-31-	-32-	-33-	-34-	-35-									-36-
0051	10	2	SC	42	10	AC	E138	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

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)	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										
0048		0.00	0.0		54	53				
0048	1	0.00	0.0	0	60	52			28.920	0.000
0648	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)	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-							
61	53	0.56	0.0	0	24	N	1115	9	8		0609	1835	106	14	17	3	1053

Weather & Obstruction to Vision

Type	began	end
-82-	-83-	-84-
RW-	0533	0720
F	0608	0740
RW	0932	1000
T	0943	1010
RW-	1000	1006
RW-	1030	1214
RW	1214	1216
RW-	1216	1300
F	1237	1320
RW	1300	1320
RW-	1320	1430

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90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLOUDY Character of Sunset: CLOUDY

Time Check: 0406/1218/1840/

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 20 267/58/39/3511G18/031 (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-
0851	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					
1850	29.460			0	002	
1953	29.480					
2050	29.490					
2153	29.480			0	007	
2250	29.495					
2350	29.495					

[CLOUD LAYERS AND OBSCURING PHENOMENA]

	Tot.		[FIRST]		[SECOND]			[THIRD]			[FOURTH]			[FIFTH]			[SIXTH]				Tot.
							1st.			2nd.			3rd.			4th						
Time -16-	Sky -21-	Amt -22-	Type -23-	Hgt -24-	Amt -25-	Type -26-	Hgt -27-	Sum -28-	Amt -29-	Type -30-	Hgt -31-	Sum -32-	Amt -33-	Type -34-	Hgt -35-	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Opq. -36-
0851	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
1651	3	3	SC	45																				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	8	8	SC	M40	8
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: 0207/0930/1203/1842
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: 5

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

SA 0051 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 91806= (EES05:56Z)

SA 0150 40 SCT 20 294/43/41/2203/036 (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 0550 220 -OVC 20 288/40/39/1703/037/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 81704 10056 20044 39990 40289 51002 81507 333 10156 20044 555 91812= (EES12:21Z)

SA 0751 250 -OVC 20 290/48/43/2105/038/FEW SC (GES 12:53Z)
SA 0850 E250 OVC 20 288/53/45/2205/037/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 20 262/61/43/2106/030/ 724 1007 40 (GES 17:54Z)

72524 32980 82106 10161 20061 39966 40262 57024 80007 333 10167 20044 555 44023 91818= (GES17:54Z)

SA 1351 E250 OVC 20 256/61/43/2005/028 (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/THN SPTS IOVC/ 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 32980 81704 10133 20072 39936 40232 57014 82077 333 10167 20044 555 91900= (LH23:51Z)

SA 1950 E140 BKN 250 OVC 20 228/55/49/2005/020 (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 80 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	Station Pressure	Dry Bulb	Wet Bulb	[pressure] tendency	net chg	Precipitation
-16-	-17-	-18-	-19-	-37-	-38-	-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]				
	Tot.							1st.				2nd.				3rd.				4th				Tot.
Time	Sky	Amt	Type	Hgt	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Opq.
-16-	-21-	-22-	-23-	-24-	-25-	-26-	-27-	-28-	-29-	-30-	-31-	-32-	-33-	-34-	-35-									-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	M110						10
2250	10	2	SC	65	8	AC	M110	10		10
2350	10	3	AC	80	7	AC	M95	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		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)	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-							
62	40	0.00	0.0	0	11	S	1407	10	9		0611	1832	539	73	9	22	1450

Weather & Obstruction to Vision

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

<<<< None Logged >>>>

90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLEAR Character of Sunset:

Time Check: 0202///

LAKE TEMP 73 DEGREES//

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 40109 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)
SA 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/ 21508 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] tendency -37-	net chg -38-	Precipitation -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	29.185					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]

	[FIRST]				[SECOND]				[THIRD]				[FOURTH]				[FIFTH]				[SIXTH]			
	Tot.						1st.				2nd.				3rd.				4th						Tot.
Time	Sky	Amt	Type	Hgt	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Opq.
-16-	-21-	-22-	-23-	-24-	-25-	-26-	-27-	-28-	-29-	-30-	-31-	-32-	-33-	-34-	-35-									-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	16	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
850	10	3	SC	26	7	SC	M32	10							10
1950	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)	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										
0050		T	0.0		55	54				
0850	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			29.000	+0.010
Mid.		T	0.0	0	61	59				

Summary of Day (Midnight to midnight)

[TEMPS] Max (F)	Min (F)	24-hr Precip (ins.)	24-hr Snow Unaltd (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-							
62	52	0.16	0.0	0	17	S	0707	10	10		0612	1830	0	0	16	18	0752

Weather & Obstruction to Vision

Type	began	end
-82-	-83-	-84-
RW-	0033	0122
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 0853 17 SCT M55 OVC 10 175/59/55/2804/005/ 21200 15// 62 (HJW 05:54Z)

72524 11466 82804 10150 20128 39883 40175 52012 69981 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/ 98000 (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 5F 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 5F 198/56/54/2303/012 (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 1058 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 58005 82500 333 10194 20100 555 44022 92018= (MAT17:51Z)

SA COR 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 32980 10404 10150 20072 39919 40213 51005 80001 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 20 212/50/47/0000/016 (LH 03:50Z)
SA 2351 CLR 20 216/49/46/2203/017 (HJW 04:52Z)

MF1-10B

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] tendency -37-	net chg -38-	Precipitation -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	29.293					
2150	29.290			4	000	
2250	29.290					
2351	29.300					

[CLOUD LAYERS AND OBSCURING PHENOMENA]

	Tot.	[FIRST]			[SECOND]			1st.		[THIRD]			2nd.	[FOURTH]			3rd.	[FIFTH]			4th	[SIXTH]			Tot.
Time -16-	Sky -21-	Amt -22-	Type -23-	Hgt -24-	Amt -25-	Type -26-	Hgt -27-	Sum -28-	Amt -29-	Type -30-	Hgt -31-	Sum -32-	Amt -33-	Type -34-	Hgt -35-	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Opq. -36-
0853	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)	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	58				
0049	1	T	0.0	0	61	58			29.175	+0.010
0648	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
1847	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)	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-							
68	49	0.00	0.0	0	11	NE	1227	3	4		0613	1828	662	90	10	3	1358

Weather & Obstruction to Vision

Type	began	end
-82-	-83-	-84-
F	0645	0838

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

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

```
Type Time SkyCeiling VsbyWxObsns Slp/Temp/Dp/Wnd/Asl/ RemarksSupplementalCodedData

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

72524 32908 02106 10003 20056 39054 48147 56002 333 10167 20033 70000 555 92586= (HJW05:55Z)

SA 0152 15B SCT 20 147/48/42/2106/996 (HJW 06:53Z)
SA 0253 15B SCT 20 143/49/43/2109/995/ 9836B (HJW 07:54Z)
SA 0352 15B SCT 20 141/49/43/2107/995/ 605 1038 (HJW 08:53Z)
SA 0452 15B SCT 20 140/49/43/2107/994 (HJW 09:52Z)
SA 0551 15B SCT 25B -BKN 20 138/49/43/2105/994 (HJW 10:52Z)
SA 065B E25B BKN 20 137/49/43/2109/993/FEW AC/ 705 1071 47 (HJW 11:51Z)

72524 32908 62109 10094 20041 39044 48137 57005 01071 333 10167 20003 555 92512= (HJW11:52Z)

SA 0751 25B SCT 10 128/52/44/2114/991 (LH 12:51Z)
SA 085B 25B SCT 10 128/57/45/2113/998 (LH 13:50Z)
SA 095B 25B -BKN 10 128/61/47/2013/988/ 715 1002 (LH 14:50Z)
SA 105B 25B -BKN 10 112/61/47/2218/986 (LH 15:50Z)
SA 115B 25B -BKN 15 104/63/48/2121/984 (LH 16:50Z)
SA 125B 25B -BKN 15 089/65/49/2122/979/ 730 1002 47 (LH 17:50Z)

72524 32974 72122 10103 20094 39799 48089 57038 00002 333 10103 20003 555 44021 92518= (LH17:51Z)

SA 135B 25B -OVC 15 083/67/50/2220/978/AC NW-N (LH 18:50Z)
SA 145B 25B -OVC 20 076/68/50/2221/976/AC N-N (LH 19:50Z)
SA 155I 10Z SCT 25B -BKN 20 069/68/51/1921/974/ 719 1051 (EES 20:53Z)
SA 165B 08 SCT 25B -BKN 20 071/67/50/2218/974/ACCAS E-S (EES 21:52Z)
SA 175B 50 SCT 100 SCT 25B -OVC 20 073/65/50/2113/975 (EES 22:51Z)
SA 185I 55 SCT 100 SCT E25B BKN 20 075/63/50/2111/975/ 305 1578 69 (EES 23:54Z)

72524 32708 72111 10172 20108 39705 48075 53005 02570 333 10206 20003 555 92608= (EES23:55Z)

SA 195B 100 SCT E25B OVC 20 076/62/50/2011/976 (EES 00:50Z)
SA 205B M55 BKN 25B OVC 20 077/61/51/2010/976 (EES 01:52Z)
SA 215I M50 BKN 25B OVC 20 075/60/51/2010/976/ 202 1501 (EES 02:52Z)
SA 225B 50 SCT 25B -SCT 20 072/59/51/2108/975 (EES 03:51Z)
SA 235I 55 SCT 10 066/59/51/2009/973 (HAT 04:52Z)
```

MF1-10B

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

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

Time	Station Pressure	Dry Bulb	Wet Bulb	(pressure) tendency	net chg	Precipitation
-16-	-17-	-18-	-19-	-37-	-38-	-40-
0053	29.10B			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	29.065					
0850	29.065					
0950	29.025			7	015	
1050	29.000					
1150	28.980					
1250	28.935			7	030	
1350	28.920					
1450	28.900					
1551	28.000			7	019	
1650	28.005					
1750	28.090					
1851	28.095			3	005	
1950	28.900					
2050	28.905					
2151	26.900			2	002	
2250	28.090					
2351	28.075					

-10B

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

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

[CLOUD LAYERS AND OBSCURING PHENOMENA]

	[FIRST]				[SECOND]				[THIRD]				[FOURTH]				[FIFTH]				[SIXTH]				
Tot. Sky	Amt	Type	Hgt	1st. Sun	Amt	Type	Hgt	2nd. Sun	Amt	Type	Hgt	3rd. Sun	Amt	Type	Hgt	4th Sun	Amt	Type	Hgt	Tot. Opq.
-21-	-22-	-23-	-24-		-25-	-26-	-27-	-28-	-29-	-30-	-31-	-32-	-33-	-34-	-35-					-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
0	0	CI	250																	4
7	7	CI	250																	3
0	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	CS	250	10									5
9	2	SC	55	1	AC	100	3	6	CS	E250	9									7
10	2	AC	100	10	CS	E250	10													8
10	7	SC	M55	3	CS	250	10													9
10	7	SC	M50	3	CI	250	10													9
4	1	SC	50	3	CI	250	4													2
5	5	SC	55																	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-	-64-	-65-
Mid to 0050		0.00	0.0		49	47				
0050	1	0.00	0.0	0	53	47			29.090	+0.010
0648	2	0.00	0.0	0	58	47			29.065	+0.005
1246	3	0.00	0.0	0	65	49			28.925	+0.010
1848	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)	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-							
69	47	0.00	0.0	0	31	SW	1534	0	7		0618	1928	521	72	25	21	1258

Weather & Obstruction to Vision

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

<<<< None Logged >>>>

98. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLOUDY Character of Sunset: CLOUDY

Time Check: 0030/0753/1922/2348
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/Asi/ 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 20093 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 31958 22607 10133 20122 39808 40089 52022 71011 82030 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 81100 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 10178 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)
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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	28.870			6	010	
0150	28.875					
0250	28.870					
0350	28.875			1	002	
0450	28.895					
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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NATIONAL WEATHER SERVICE

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

[CLOUD LAYERS AND OBSCURING PHENOMENA]

[FIRST]				[SECOND]			1st.		[THIRD]			2nd.		[FOURTH]			3rd.		[FIFTH]			4th		[SIXTH]			Tot.
t.																										
y	Amt	Type	Hgt	Amt	Type	Hgt	Sun	Amt	Type	Hgt	Sun	Amt	Type	Hgt	Sun	Amt	Type	Hgt	Sun	Amt	Type	Hgt	Dpg.
1	-22-	-23-	-24-	-25-	-26-	-27-	-28-	-29-	-30-	-31-	-32-	-33-	-34-	-35-									-36-
4	1	SC	55	3	AC	75	4																4
8	7	SC	M55	1	AC	80	8																8
8	8	SC	M55																				8
2	2	SC	55																				2
9	9	SC	M48																				9
8	3	SC	60	4	AC	E110	7	1	CS	250	8												8
2	2	AC	110																				2
4	4	SC	20																				3
10	10	SC	M12																				10
10	8	SC	M12	2	SC	16	10																10
4	4	SC	16																				4
0	0	SC	20																				0
0	0	CU	25																				0
0	0	CU	25																				0
0	0	CU	30																				0
0	0	CU	40																				0
0																							0
0																							0
0																							0
0																							0
0																							0
0																							0
0																							0

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 0249		0.00	0.0		59	58				
0249	1	0.00	0.0	0	63	58			28.868	+0.010
0647	2	0.00	0.0	0	59	55			28.938	+0.010
1246	3	0.00	0.0	0	70	55			29.035	+0.005
1850	4	0.00	0.0	0	71	63			29.128	+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 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-							
71	53	0.00	0.0	0	13	NW	1240	3	3		0619	1818	596	83	12	33	1353

Weather & Obstruction to Vision

Type	began	end
-82-	-83-	-84-
F	0630	1240
F	2330	CONT

90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLOUDY Character of Sunset: CLEAR

Time Checks: 0240/0640/1922/2330
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 20186 39003 40175 52003 71008 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/SHLN OF ON FLD/ 98596 (MAT 07:51Z)
SA 0350 -X 3F 182/50/49/1903/007/F1/ 207 (MAT 08:50Z)
RS 0450 -X 2F 185/49/48/1803/002/F3 (MAT 09:50Z)
SP 0501 -X 11/2F 1003/000/F3 (MAT 10:01Z)
SP 0503 WS X 1/4F 1503/000 (MAT 10:03Z)
SP 0508 WS X 1/16F 1504/000 (MAT 10:08Z)
RS 0538 WB X 1/16F 189/51/51/1403/009 (MAT 10:50Z)
SP 0648 W1 X 1/16F 1007/011 (MAT 11:48Z)
SA 0650 W1 X 1/16F 198/53/53/1706/012/ 215 48 (MAT 11:53Z)

72524 31/01 91706 10117 20117 39005 40198 52015 74443 333 10217 20009 555 92712= (MAT11:54Z)

SP 0734 W1 X 1/8F 1906/013 (LH 12:35Z)
SA 0750 W1 X 1/8F 204/55/55/1906/013 (LH 12:50Z)
SP 0753 W1 X 1/4F 1806/013 (LH 12:53Z)
SP 0819 -X M3 OVC 3/8F 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 208/65/57/2108/015/ 210 1001 (LH 14:50Z)
SA 1050 250 -BKN 7 211/68/56/2107/015 (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 48 (LH 17:50Z)

72524 32966 43105 10220 20122 39005 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 12 190/76/56/2705/009/FEW CU (LH 19:50Z)
SA 1552 250 -BKN 12 184/76/55/2308/008/FEW CU/ 612 1108 (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 1009 76 (HJW 23:50Z)

72524 32966 60404 10109 20150 39008 40192 51007 00000 333 10244 20009 555 92000= (HJW23:50Z)

SA 1954 250 -BKN 10 196/64/50/1704/011 (HJW 00:55Z)
SA 2052 250 -SCT 10 197/62/50/2003/012 (HJW 01:53Z)
SA 2151 250 SCT 10 198/62/57/2805/012/ 107 1022 (HJW 02:52Z)
SA 2250 250 -SCT 10 198/61/56/2105/012 (HJW 03:50Z)
SA 2350 250 -SCT 8 198/58/54/2805/012 (MAT 04:51Z)

MF1-10B

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

Surface Weather Observations

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

Time	Station Pressure	Dry Bulb	Wet Bulb	(pressure) tend- ency	net chg	Preci- pitation
-16-	-17-	-18-	-19-	-37-	-38-	-48-
0050	29.185			2	003	
0153	29.185					
0250	29.198					
0350	29.205			2	007	
0450	29.215					
0550	29.225					
0650	29.250			2	015	
0750	29.265					
0850	29.275					
0950	29.288			2	018	
1050	29.298					
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					

MF1-10B

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

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

		[FIRST]			[SECOND]			[CLOUD LAYERS AND OBSCURING PHENOMENA] [THIRD]				[FOURTH]				[FIFTH]				[SIXTH]				
Time	Tot. Sky	Amt	Type	Hgt	Amt	Type	Hgt	1st. Sum	Amt	Type	Hgt	2nd. Sum	Amt	Type	Hgt	3rd. Sum	Amt	Type	Hgt	4th Sum	Amt	Type	Hgt	Tot. 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	M8																				10
0650	10	10	F	M1																				10
0750	10	10	F	M1																				10
0850	5	1	F	8	0	BT	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)	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		54	52				
0049	1	0.00	0.0	0	64	52			29.178	+0.015
0549	2	0.00	0.0	0	53	48			29.248	+0.018
1246	3	0.00	0.0	0	75	53			29.255	-0.005
1648	4	0.00	0.0	0	76	66			29.238	+0.005
Mid.		0.00	0.0	0	66	58				

Summary of Day (Midnight to midnight)

[TEMPS] Max (F)	Min (F)	24-hr Precip (ins.)	24-hr Snow Unoltd (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-							
76	48	0.00	0.0	0	11	S	0936	7	5		0620	1816	593	83	9	23	1552

Weather & Obstruction to Vision

Type	began	end
-82-	-83-	-84-
F+	CONT B[2332]	
		0948
H	0948	1820

98. Remarks, Notes & Miscellaneous Phenomena
Character of Sunrise: FOGGY Character of Sunset: CLEAR

Time Checks: 0830/0630/0740/1845
LAKE TEMP 68 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 0250 25E -SCT 9 197/59/54/2005/012/ 40E 1021 76 (MAT 05:50Z)

72524 32984 22025 10150 20122 39907 40197 54000 00001 333 10244 20009 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/ 98593 (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 6B SCT 25B -SCT B 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 6B SCT 25B -BKN 7 212/62/56/2104/016 (LH 12:50Z)
SA 0850 7B SCT 25B -BKN 9 215/66/58/2100/017 (LH 13:50Z)
SA 0950 7B SCT 25B -BKN 10 213/71/59/2107/017/ 003 1071 (LH 14:50Z)
SA 1050 8B SCT 25B -BKN 10 207/74/60/2300/015 (LH 15:50Z)
SA 1151 M7B BKN 10 204/76/61/2200/014 (LH 16:50Z)
SA 1250 6B SCT M80 OVC 10 198/77/61/2207/012/THK SPTS 10VC/ 714 157/ 54 (LH 17:50Z)

72524 32766 02207 10250 20161 39909 40198 57014 02571/ 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 10 193/73/60/1910/011/ 607 1071/ (HJW 20:54Z)
SA 1652 B0 SCT E250 BKN 7 196/73/61/2104/012 (HJW 21:53Z)
SA 1753 M100 BKN 250 OVC 7 193/71/61/1907/011/THN SPTS 10VC (HJW 22:54Z)
SA 1850 E130 BKN 250 OVC 10 193/60/62/2005/011/ 000 1070 77 (HJW 23:55Z)

72524 32966 02005 10200 20167 39902 40193 50000 05070 333 10250 20122 555 92000= (HJW23:55Z)

SA 1952 B0 SCT E130 BKN 250 BKN 8 193/66/61/1705/011 (HJW 00:53Z)
SA 2050 B0 SCT E130 OVC 8 195/67/61/1905/012 (HJW 01:50Z)
SA 2150 B0 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, NO
NATIONAL WEATHER SERVI

Surface Weather Observations

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

Time -16-	Station Pressure -17-	Dry Bulb -18-	Wet Bulb -19-	(pressure) tend- ency -37-	net chg -38-	Freci- pitation -48-
0050	29.255			4	00E	
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

MF1-10B

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

	Tot.		[FIRST]			[SECOND]			[CLOUD LAYERS AND OBSCURING PHENOMENA] [THIRD]				[FOURTH]				[FIFTH]				[SIXTH]				Tot.
									1st.				2nd.				3rd.				4th				
Time	Sky	Amt	Type	Hgt	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt		Opq.
-14-	-21-	-22-	-23-	-24-	-25-	-26-	-27-	-28-	-29-	-30-	-31-	-32-	-33-	-34-	-35-										-36-
0050	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																	3
1151	8	8	AC	M70																					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] Barograph	[Computations] Corr.
-42-	-43-	- 44 -	- 45 -	- 46 -	- 47 -	- 48 -	- 52 -	- 56 -	- 64 -	-65 -
Mid to										
0849		0.02	0.0		59	58				
0949	1	0.02	0.0	0	66	58			29.250	+0.005
0649	2	0.00	0.0	0	59	54			29.290	0.000
1247	3	0.00	0.0	0	77	56			29.260	0.000
1848	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)	Min (F)	24-hr Precip (ins.)	24-hr Snow Unaltd (ins.)	Snow Depth (ins.)	[Peak Wind] Spd (kts.)	Dir.	Time (LST)	[Sky Cover] SK-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-							
77	54	0.01	0.0	0	13	S	1541	8	7		0621	1815	381	53	12	18	1553

Weather & Obstruction to Vision

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

90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLOUDY Character of Sunset: CLOUDY

Time Check: 0830/0630/0751/1830

LAYR TEMP 60 DEGREES//PK WIND LAST OF TWO OCCURRENCES//

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

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

0850 00 SCT E130 OVC 8 189/63/61/2205/010/RE30/ 60501 107/ 77 (MAT 05:52Z)

24 11962 02205 10172 20161 39508 40109 50805 69931 72502 88077 333 10250 20122 70003 90935 555 92906= (MAT05:54Z)

0158 00 SCT E130 OVC 7 189/63/61/2204/010 (MAT 06:50Z)
0250 M110 OVC 5F 186/62/61/2205/009/ 90301 (MAT 07:50Z)
0350 M110 OVC 6F 192/63/60/2504/011/ 302 1027 (MAT 08:51Z)
0450 02 SCT E250 OVC 4F 195/61/60/2305/012 (MAT 09:51Z)
0520 05 OVC 4F 2305/012 (MAT 10:20Z)
0550 M5 OVC 4F 195/62/60/2204/012 (MAT 10:51Z)
0623 -X M4 OVC 11/2F 2104/012/F2 (MAT 11:23Z)
0650 -X M3 OVC 1F 201/62/61/0000/013/F3/ 300 1617 61 20001 (MAT 11:50Z)

524 31216 00000 10167 20161 39910 40201 53000 71022 006// 333 10250 20161 70003 555 92912= (MAT11:51Z)

0750 -X M3 OVC 1F 203/64/63/0303/013/F3 (EES 12:51Z)
0836 M6 OVC 21/2F 0203/014 (EES 13:37Z)
0850 M6 OVC 21/2F 204/65/63/0404/014 (EES 13:51Z)
0951 M6 OVC 21/2RW-F 206/64/63/3004/015/RB135B PCPN VRY LGT WND LGT VRBL/ 20500 1777 (EES 14:53Z)
1050 M5 OVC 2RW-F 205/64/63/3604/014/WND LGT VRBL (EES 15:52Z)
1150 M5 OVC 2RW-F 201/63/63/0000/013/PCPN VRY LGT (EES 16:52Z)
1224 M5 OVC 11/2RW-F 0205/011 (EES 17:25Z)
1237 5 SCT M85 BKN 95 OVC 11/2RW-F 3605/011/PCPN VRY LGT (EES 17:39Z)
1251 5 SCT 85 SCT M100 OVC 11/2RW-F 195/63/63/0704/011/ 01207 177/ 61 (EES 17:53Z)

2524 11224 00704 10172 20172 39903 40195 50012 60021 70000 0277/ 333 10103 20161 70020 90942 555 44020 92910= (EES17:55Z)

1314 M4 BKN 40 OVC 11/2RWF 1306/010 (EES 18:15Z)
1333 4 SCT M40 BKN 65 OVC 11/2RW-F 1604/010 (EES 18:33Z)
1350 M4 BKN 38 OVC 11/2RW-F 109/65/64/1503/010 (EES 18:52Z)
1423 M5 BKN 38 OVC 2F 1705/010 (EES 19:25Z)
1450 5 SCT M31 OVC 2F 104/67/64/1504/000/RE00 (EES 19:52Z)
1530 5 SCT M13 OVC 2F 3605/000 (HJW 20:39Z)
1551 M4 OVC 11/2F 104/66/65/3506/000/ 61025 167/ (HJW 20:52Z)
1611 -X M2 OVC 1F 3404/000/F3 (HJW 21:11Z)
1633 6 SCT M10 OVC 11/2F 3604/000 (HJW 21:33Z)
1653 6 SCT M10 BKN 150 OVC 11/2F 104/65/64/3605/000 (HJW 21:54Z)
1738 M6 BKN 10 BKN 150 OVC 1RW-F 0204/007 (HJW 22:40Z)
1752 -X M6 BKN 10 BKN 150 OVC 1F 177/64/64/0305/006/F2 RB27E42 (HJW 22:53Z)
1853 6 SCT M22 BKN 150 OVC 11/4F 177/64/64/0305/006/ 60725 152/ 67 (HJW 23:54Z)

22524 11320 00305 10170 20170 39907 40177 54007 60061 71002 0652/ 333 10194 20161 70004 90925 555 93000= (HJW23:56Z)

1941 M8 BKN 22 OVC 11/4F 3604/005 (HJW 00:42Z)
1953 M8 OVC 11/4F 174/64/64/3505/005 (HJW 00:54Z)
2032 M8 BKN 28 OVC 2F 3505/005 (HJW 01:32Z)
2053 M8 BKN 28 OVC 2F 173/64/64/3503/005 (HJW 01:53Z)
2117 -X M2 OVC 1F 3005/003/F4 (HJW 02:18Z)
2150 -X M2 OVC 1F 170/64/63/3306/004/F2/ 007 1617 (HJW 02:52Z)
2220 -X M2 OVC 1F 160/63/62/3507/003/F2 (HJW 03:51Z)
2330 -X M3 OVC 1L-F 3110/004/F5 (MAT 04:31Z)
2350 -X M3 OVC 1RW-F 167/61/60/3309/003/F5 LB15E32RB32 (MAT 04:50Z)

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

Time	Station Pressure	Dry Bulb	Wet Bulb	(pressure) tendency	net chg	Precipitation
-16-	-17-	-18-	-19-	-37-	-38-	-40-
0850	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	000	
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

Surface Weather Observations

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

[CLOUD LAYERS AND OBSCURING PHENOMENA]

	[FIRST]				[SECOND]				[THIRD]				[FOURTH]				[FIFTH]				[SIXTH]				
Time (LST)	Tot. Sky Cov	Amt	Type	Hgt	Amt	Type	Hgt	1st. Sus	Amt	Type	Hgt	2nd. Sus	Amt	Type	Hgt	3rd. Sus	Amt	Type	Hgt	4th Sus	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	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	M31	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	10	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)	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-	-52-	-56-	-64-	-65-
Mid to 0849		T	0.0		65	63				
0849	1	0.01	0.0	0	68	63			29.235	0.000
0849	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			29.185	+0.010
Mid.		0.01	0.0	0	64	61				

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-							
67	61	0.33	0.0	0	12	NW	2340	10	10		0622	1813	0	0	12	31	2330

Weather & Obstruction to Vision

Type	began	end
-82-	-83-	-84-
RW-	CONT	0[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 68//

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

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

0858 -X M3 OVC 1RW-F 164/68/68/3209/002/F3/ 70702 15// 67 (MAT 05:512)

524 11216 02209 10156 20156 39873 40164 57007 69951 75200 885// 333 10194 20156 70006 90921 555 93006= (MAT05:532)

0158 -X M3 OVC 1RW-F 164/68/59/330E/002/F3 (MAT 06:522)
0237 M4 OVC 2RW-F 3010/001 (MAT 07:372)
0258 M6 BKN 16 OVC 2RW-F 168/59/58/3109/001/ 96020 (MAT 07:542)
0353 M6 BKN 22 OVC 5RW-F 164/58/57/3007/002/ 50206 15// (MAT 08:532)
0458 M5 BKN 24 OVC 5RW-F 162/58/57/29E7/001 (MAT 09:502)
0538 M7 BKN 16 BPW 30 OVC 6F 3011/003 (MAT 10:302)
0550 7 SCT M13 BKN 29 OVC 5RW-F 171/57/56/2910/004/RE25042 (MAT 10:512)
0616 7 SCT M16 BPW 60 OVC 9RW- 2907/005 (MAT 11:102)
0633 7 SCT M25 BKN 55 OVC BRW- 3007/005 (MAT 11:352)
0651 20 SCT M55 OVC BRW- 175/57/55/2907/005/ 21000 15// 57 20042 (MAT 11:542)

524 11562 02907 10139 20120 39003 40175 52010 60021 70200 885// 333 10194 20139 70107 90966 555 93012= (MAT11:542)

0750 20 SCT M70 OVC 7RW- 102/55/54/2606/007 (EES 12:512)
0807 M16 BKN 70 OVC 7RW- 2006/007 (EES 13:002)
0852 M16 BKN 95 OVC 8 109/56/53/3305/009/RE20 (EES 13:532)
0917 10 SCT M37 BLN 100 BKN 10 2906/009/WND LGT VRBL (EES 14:102)
0951 M16 BKN 100 OVC 15 109/57/52/2009/009/B1NOVC/ 11403 157/ (EES 14:532)
1050 M24 BKN 15 192/57/51/3012/010/MDT CU N E (EES 15:512)
1131 24 SCT M40 OVC 15 3209/011/B1NOVC MDT CU ALODS (EES 16:322)
1150 M40 BKN 15 194/61/50/3209/011/MDT CU ALODS (EES 16:512)
1251 M36 BKN 20 196/60/50/2909/011/MDT CU ALODS/ 10703 1200 55 (EES 17:532)

524 11600 02909 10156 20100 39903 40196 51007 69901 70200 862000 333 10161 20120 70097 90952 555 40019 93010= (EES17:552)

1350 M30 BPW 20 192/61/49/3011/010/MDT CU ALODS (EES 18:512)
1450 34 SCT 75 SCT 20 192/62/46/3109/010/MDT CU N-NE (EES 19:512)
1553 35 SCT 75 SCT 20 197/62/46/3200/012/ 302 1130 (HJW 20:542)
1650 40 SCT 80 SCT 20 199/62/45/3007/012 (HJW 21:512)
1752 40 SCT 80 SCT 20 201/59/47/2404/013 (HJW 22:532)
1851 55 SCT 20 202/57/47/2703/013/ 103 1400 63 (HJW 23:522)

524 32700 02703 10139 20003 39909 40202 51003 62400 333 10172 20120 70233 555 90100= (HJW23:532)

1952 55 SCT 20 204/53/48/2404/013 (HJW 00:532)
2053 M55 BKN 20 210/51/48/2204/015 (HJW 01:532)
2151 M55 BPW 20 213/52/48/2405/016/ 310 1500 (HJW 02:522)
2252 44 SCT 20 213/51/47/2204/016 (HJW 03:522)
2350 36 SCT 12 211/48/46/2205/015 (MAT 04:512)

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-	Precipitation -48-
0858	29.155			7	007	0.01
0158	29.155					0.03
0258	29.145					0.03
0353	29.155			5	002	0.01
0458	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	29.200					
2151	29.290			3	010	
2252	29.290					
2350	29.205					

MF1-10B

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

		[FIRST]			[SECOND]			[CLOUD LAYERS AND OBSCURING PHENOMENA] [THIRD]				[FOURTH]				[FIFTH]				[SIXTH]				
	Tot.						1st.					2nd.				3rd.				4th				Tot.
Time	Sky	Amt	Type	Hgt	Amt	Type	Hgt	Sun	Amt	Type	Hgt	Sun	Amt	Type	Hgt	Sun	Amt	Type	Hgt	Sun	Amt	Type	Hgt	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	0	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	M48																				8
1251	8	8	CU	M38																				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
1752	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-	-64-	-65-
Mid to 0249		0.01	0.0		61	60				
0547	1	0.02	0.0	0	64	60			29.150	+0.005
0850	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
1848	4	0.00	0.0	0	63	55			29.250	+0.010
Mid.		0.00	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	% Fsbl	[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	338	48	13	30	1350

Weather & Obstruction to Vision

Type	began	end
-82-	-83-	-84-
F	CONT	0(0230)
		0610
RW-	CONT	0(2332)
		0525
RW-	0542	0828

90. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLOUDY Character of Sunset: CLEAR

Time Checks: 0948/0930/1257/1845

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,WW+Obvis Slp/Tmp/Dp/Wnd/Rmks/ RemarksSupplementalCodedData

SA 0050 33 SCT M4z OVC 1E 202/42/3[illegible]/E13/E1NCVC/ C0502 1577 50 (LH 05:50Z)

72504 11674 70231 10025 20022 35025 48202 55015 69501 70202 87500 333 10102 20050 75995 90960 555 52[illegible]= (LH05:51Z)

SA 0150 M3E OVC 2E 203/41/33/3210/E12/E1NCVC (LH 06:50Z)
SA 0250 2E SCT M3E OVC 2E 202/41/33/3405/E11/E1NCVC/ 50573 (LH 07:50Z)
SA 0350 M3E BKN 5E BKN 2E 203/41/32/2405/E12/ SLP 150E (LH 08:51Z)
SA 0450 M3E BKN 2E 203/42/32/3507/E13 (LH 09:51Z)
SA 0550 2E SCT M4E BKN 2E 203/41/33/3505/E13 (LH 10:50Z)
SA 0650 2E SCT M4E OVC 2E 202/41/32/E10S/E14/E1NOVC/ 20G 15// 4E (LH 11:50Z)

72504 32500 70102 10050 20002 39014 40212 52000 87500 333 10100 20044 555 92612= (LH11:51Z)

SA 0750 26 SCT M5E BKN 2E 217/41/32/3307/E15/RMJ E (BF 12:50Z)
SA 0850 25 SCT M4G BKN 2E 217/42/33/3010/E15/RMJ E (BF 13:50Z)
SA 0950 24 SCT M3G BKN 2E 219/42/34/3200/E16/ 2R7 150E (BF 14:50Z)
SF 1040 2E SCT M42 OVC 201FK- 3405/E17/1F83E (BF 15:41Z)
RS 1050 26 SCT M44 BKN 6E BKN 2E 221/43/33/0210/E17/1PE3BE47 (BF 15:51Z)
SA 1150 33 SCT M4E BKN 2E 228/45/38/3413/E17/RMJ NE-E-SE (BF 16:50Z)
SA 1250 3E SCT M42 BKN 2E 219/44/31/E103/E12/RMJ SE/ 4R00E 150E 4E (BF 17:51Z)

72504 11500 70105 10067 21004 35920 48219 54000 65501 71602 87500 333 10070 20044 50930 555 92618= (BF17:53Z)

SA 1350 27 SCT M46 OVC 2E 221/44/32/E105/E17 (BF 18:50Z)
SA 1450 3E SCT M44 BKN 2E 221/45/31/3507/E17 (BF 19:50Z)
SA 1551 M4E BKN 2E 221/44/31/3507/E17/ 102 150E (EES 20:52Z)
SA 1650 M4E BKN 2E 221/44/31/3407/E17 (EES 21:51Z)
SA 1750 M3G BKN 2E 225/42/30/3e04/E18 (EES 22:51Z)
SA 1851 M3G BKN 2E 228/42/31/2e04/E15/ 3RG 150E 4E (EES 23:52Z)

72504 32e0E 62e0e 10261 21004 35951 48E3E 53000 84500 333 10070 20044 555 52702= (EES23:53Z)

SA 1950 M3G BKN 2E 228/43/31/2E2e/E15 (EES 00:50Z)
SA 2050 CLR 2E 226/43/31/2E04/E15/FEw SC (EES 01:50Z)
SA 2151 CLR 2E 231/43/33/2E04/E15/ 422 (EES 02:51Z)
SA 2250 CLR 2E 226/34/31/2E05 E15 (EES 03:51Z)
SA 2350 CLR 2E 226/37/30/2E2E/E1E (LH 04:50Z)

MF1-10B

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

Time	Station Pressure	Dry Bulb	Wet Bulb	(pressure) tendency	char	Pressure altimeter
-16-	-17-	-18-	-19-	-20-	-36-	-40-
0050	29.250			5	005	
0150	29.255					
0250	29.250					
0350	29.250			5	022	
0450	29.260					
0550	29.260					
0650	29.275			2	008	
0750	29.290					
0850	29.290					
0950	29.295			2	007	
1050	29.300					T
1150	29.300					
1250	29.295			4	022	
1350	29.300					
1450	29.300					
1551	29.300			1	002	
1650	29.300					
1750	29.310					
1851	29.325			3	008	
1950	29.325					
2050	29.320					
2151	29.325			4	008	
2250	29.320					
2350	29.310					

1-1CH

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

Surface Weather Observations

Station: WSFO, CLEVELAND, OH
Date: OCT 26, 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	Amt	Type	Hgt	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt	Sum	Amt	Type	Hgt		Obs.
(LST)	-21-	-22-	-23-	-24-	-25-	-26-	-27-	-28-	-29-	-30-	-31-	-32-	-33-	-34-	-35-										-36-
00	10	4	SC	33	6	SC	M46	10																	10
01	10	10	SC	M35																					10
02	10	5	SC	26	5	SC	M50	10																	10
03	9	8	SC	M36	1	SC	50	9																	9
04	7	7	SC	M38																					7
05	9	4	SC	28	5	SC	M48	9																	9
06	10	3	SC	28	7	SC	M40	10																	10
07	9	4	SC	26	5	SC	M50	9																	9
08	9	4	SC	25	5	SC	M40	9																	9
09	9	4	SC	24	5	SC	M36	9																	9
10	9	5	SC	26	3	SC	M44	8	1	SC	60	9													9
11	7	2	SC	33	5	SC	M40	7																	7
12	9	4	SC	30	5	SC	M42	9																	9
13	10	4	SC	27	6	SC	M46	10																	10
14	8	3	SC	30	5	SC	M44	8																	5
15	8	8	SC	M40																					8
16	9	9	SC	M40																					9
17	8	8	SC	M39																					8
18	8	8	SC	M39																					8
19	6	6	SC	M39																					6
20	8	8	SC	35																					8
21	0																								0
22	0																								0
23	0																								0

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-	-51-	-64-	-65-
Mid to 0047		0.00	0.0		43	41				
0047	1	T	0.0	0	44	41			29.26R	-0.01R
0548	2	0.00	0.0	0	42	40			29.295	-0.01R
1049	3	T	T	0	40	41			29.21S	-0.02R
1552	4	0.00	0 0	0	42	42			29.34R	-0.01S
Prm.		0.00	0 0	0	42	33				

Summary of Day (Midnight to midnight)

TEMPS (°F) Max	Min	24-hr Precip (ins.)	24-hr Snow Ended (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 S.S.	Fall	(Fastest Wind) Spd (mph)	Dir.	Time (LST)
-44-	-47-	-48-	-49-	-78-	-71	72	73-	-78-	-79-	-88-							
48	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-
IFR-	1838	1847

98. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLOUDY Character of Sunset: CLOUDY

Time Checks: 0034/1249/1917/

LAKE TEMP 48 DEGREES//I- 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/Ast/ Remarks&Supplemental Codedata

SA 0050 CLR 20 229/32/30/2104/019/ 502 46 (LH 05:50Z)

72524 32980 02104 10026 21011 39929 40229 55002 333 10078 20020 79999 555 92706= (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 20 235/30/26/2104/020/ 205 (LH 08:50Z)
SA 0450 CLR 20 240/31/26/2205/022 (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 01072 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 39807 40184 57042 01036 333 10128 21017 555 44016 92718= (BF17:51Z)

SA 1350 120 SCT 250 SCT 15 172/56/31/2018/003 (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 55002 005// 333 10139 21017 555 92802= (EES00:40Z)

SA 1950 40 SCT M100 OVC 20 139/55/29/2111/993/BINOVC (EES 00:50Z)
SA 2050 55 SCT M70 OVC 20 132/54/31/2110/993/BINOVC (EES 01:52Z)
SA 2151 M55 BKN 75 OVC 20 125/55/33/2310 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 10 139/52/37/2112/994 (LH 04:50Z)

MF1-10B

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

Time -16-	Station Pressure -17-	Dry Bulb -18-	Wet Bulb -19-	(pressure) tend-ency -20-	net chg -26-	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			8	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					

F1-10B

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

Surface Weather Observations

Station: KCLE, CLEVELAND, OH
Date: OCT 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	Amt	Type	Hgt	Amt	Type	Hgt	Sun	Amt	Type	Hgt	Sun	Amt	Type	Hgt	Sun	Amt	Type	Hgt	Sun	Amt	Type	Hgt	Sun	Obs.
-01-	-21-	-22-	-23-	-24-	-25-	-26-	-27-	-28-	-29-	-30-	-31-	-32-	-33-	-34-	-35-										-36-
00	0																								0
01	0																								0
02	0																								0
03	0																								0
04	0																								0
05	0																								0
06	1	0	AC	150	1	CI	250	1																	1
07	1	1	AC	120	0	CI	250	1																	1
08	2	1	AC	120	1	CI	250	2																	1
09	2	2	CC	250																					0
10	2	2	CI	250																					1
11	5	5	CI	250																					2
12	9	1	AC	120	8	CI	250	9																	3
13	3	1	AC	120	2	CI	250	3																	2
14	9	0	AC	120	9	CS	E250	9																	5
15	9	2	AC	130	9	CS	250	9																	4
16	8	3	AC	90	5	AC	E130	8																	7
17	10	7	AC	M65	3	AC	85	10																	10
18	10	10	SC	M55																					10
19	10	4	SC	48	6	AC	M100	10																	10
20	10	2	SC	55	8	AC	M70	10																	10
21	10	6	SC	M55	4	AC	75	10																	10
22	10	10	SC	M39																					10
23	10	1	SC	41	9	SC	M60	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										
06Z		0.00	0.0		33	32				
06Z	1	0.00	0.0	0	43	32			29.335	-0.015
12Z	2	0.00	0.0	0	34	29			29.368	-0.022
18Z	3	0.00	0.0	0	55	34			29.215	-0.020
00Z	4	0.00	0.0	0	57	54			29.120	-0.020
P.M.		0.00	0.0	0	56	52				

Summary of Day (in digit to midnight)

[TEMPS] Max (°F)	Min (°F)	24-hr Precip (ins.)	24-hr Snow Melted (ins.)	Snow Depth (ins.)	[Peak Wind] Spd (kts.)	Dir.	Time (LST)	[Sky Cover] 06-12	12-18	Water Equiv. (ins.)	Sun- Rise	Sun- Set	Total Sun	% Poss	[Fastest Wind] Spd (mph)	Dir.	Time (LST)
-66-	-67-	-69-	-69-	-70-	-71	72	73-	-76-	-76-	-68-							
57	29	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 >>>>

98. Remarks, Notes & Miscellaneous Phenomena

Character of Sunrise: CLEAR Character of Sunset: CLOUDY

Time Check: 0244/10/21/1946/
LAKE TEMP 68 DEGREES//

IF1-10A

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

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ype Time Sky&Ceiling Vsby&Wx&Obstns Slp/Temp/Dp/Wnd/Aux/ Remarks&SupplementalCodedData

: 0050 P42 OVC 10 144/49/37/2811/995/ 216 15// 57 (LH 05:50Z)

:524 32888 02010 10254 20028 29051 49144 50016 605// 333 10139 21017 70209 555 92812= (LH05:51Z)

: 0100 M28 BKN 45 OVC 15 345/48/36/2713528/997 (LH 06:50Z)
 0107 SC SCT M23 BKN 55 OVC 10 164/44/32/2618/RE1/FE23E46/ 99465 (LH 07:57Z)
 0750 SC SCT M22 OVC 15 165/45/34/2811/022/ 22488 15// (LH 05:50Z)
 0450 40 SCT M55 BKN 28 176/42/34/3011/005 (LH 05:50Z)
 0550 M58 BKN 20 187/44/32/3012E22/027 (LH 10:50Z)
 0650 34 SCT M55 BKN 28 192/44/31/3009/009/ 222 1500 44 (LH 11:51Z)

524 31652 75009 10067 21006 39097 40152 52022 70262 875RB 333 10135 20067 59950 555 92812= (LH11:55Z)

 CON 0650 34 SCT M55 BKN 28 192/44/31/3009/009/ 22208 1500 44 (LH 11:53Z)
 0750 M50 OVC 20 197/44/32/3010/010/VIR6A SE-S-SW BINOVC (LH 12:50Z)
 0850 M43 BKN 28 211/43/29/3106/015/RWU SE (BF 13:50Z)
 0950 044 BKN 28 210/43/29/3009/017/ 225 1500 (BF 14:50Z)
 1050 046 OVC 28 225/44/28/3208/019/BINOVC OVHD (BF 15:50Z)
 1150 M55 OVC 20 229/44/28/3112/022 (BF 16:50Z)
 1250 33 SCT M58 OVC 28 233/44/27/3110/021/ 214 15// 42 (BF 17:50Z)

524 32660 05110 10067 21028 39936 40233 52014 605// 333 10094 20056 555 44015 92810= (BF17:51Z)

 1350 P46 OVC 28 237/43/26/3106/022 (BF 18:52Z)
 1450 042 OVC 28 243/44/27/3010/023 (BF 19:50Z)
 1550 M46 OVC 28 246/43/25/3006/024/ 212 15// (BF 20:50Z)
 1650 041 OVC 28 248/43/27/2907/025 (EES 21:51Z)
 1750 M43 OVC 28 254/43/27/2908/026 (EES 22:51Z)
 1851 045 OVC 28 257/43/25/3207/02E/61NOVC/ 210 15// 44 (EES 23:53Z)

24 32468 03207 10061 21017 39958 40257 52010 605// 333 10067 20056 555 92608= (EES23:54Z)

 1950 P42 OVC 28 259/43/24/2906/028 (EES 00:51Z)
 2052 P40 OVC 28 248/43/32/3605/030 (EES 01:50Z)
 2151 35 SCT M42 OVC 28 272/41/30/3505/032/ 214 15// (EES 02:50Z)
 2250 M37 OVC 28 275/43/30.32E6/033 (EES 03:51Z)
 2350 M38 OVC 28 275 43/28/3206/032 (EES 04:50Z)

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	Station Pressure	3hr Pressure Diff	24hr Pressure Diff	Sea Level Pressure (corrected)	3hr Pressure Chg	Pressure Correction
-11-	-12-	-13-	-14-	-27-	-28-	-40-
0050	29.090			2	0.0	
0150	29.100					
0250	29.140					1
0350	29.160			2	024	
0450	29.180					
0550	29.210					
0650	29.220			2	022	
0750	29.240					
0850	29.280					
0950	29.300			2	025	
1050	29.320					
1150	29.330					
1250	29.340			2	014	
1350	29.350					
1450	29.365					
1550	29.375			2	012	
1650	29.380					
1750	29.395					
1851	29.405			2	010	
1950	29.410					
2050	29.430					
2151	29.445			2	014	
2250	29.455					
2350	29.455					

MF1-10B

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

	[FIRST]				[SECOND]				[CLOUD LAYERS AND OBSCURING PHENOMENA] [THIRD]				[FOURTH]				[FIFTH]				[SIXTH]				
	Tot.							1st.				2nd.				3rd.				4th					Tot.
Time	Sky	Amt	Type	Hgt	Amt	Type	Hgt	Sun	Amt	Type	Hgt	Sun	Amt	Type	Hgt	Sun	Amt	Type	Hgt	Sun	Amt	Type	Hgt	Sun	Obs.
-01-	-21-	-22-	-23-	-24-	-25-	-26-	-27-	-28-	-29-	-30-	-31-	-32-	-33-	-34-	-35-										-36-
0759	10	10	SC	M42																					10
0850	10	7	SC	M38	3	SC	45	10																	10
0922	10	3	SC	22	3	SC	M33	6	4	SC	55	10													10
0950	10	3	SC	38	7	SC	M48	10																	10
0959	9	3	SC	48	6	SC	M55	9																	9
0550	9	9	SC	M50																					9
0650	9	3	SC	34	6	SC	M55	9																	9
0750	10	10	SC	M50																					10
0850	9	9	SC	M43																					9
0950	8	8	SC	M44																					8
1050	10	10	SC	M48																					10
1150	10	10	SC	M55																					10
1250	10	3	SC	33	7	SC	M50	10																	10
1350	10	10	SC	M46																					10
1450	10	10	SC	M42																					10
1550	10	10	SC	M46																					10
1650	10	10	SC	M41																					10
1750	10	10	SC	M43																					10
1851	10	10	SC	M45																					10
1950	10	10	SC	M42																					10
2050	10	10	SC	M48																					10
2151	10	2	SC	32	8	SC	M42	10																	10
2250	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 -	- 64 -	-65 -
Mid 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	49	44			29.248	-0.015
0747	3	0.02	0.0	0	44	42			29.255	-0.015
1250	4	0.00	0.0	0	44	42			29.420	-0.015
Mid.		0.02	0.0	0	44	42				

Summary of the day's data and other data

(TEMPS) Max (F)	Min (F)	24-hr Precip (ins.)	24-hr Snow Water Equiv. (ins.)	Snow Depth (ins.)	[Peak wind] Spd (mph)	Dir.	Time (LST)	[Sky Cover] 01-05	Mid-Pnt	Water Equiv. (ins.)	Sun- Rise	Sun- Set	Total Sun	% Poss	[Fastest Wind] Spd (mph)	Dir.	Time (LST)
-66-	-67-	-68-	-69-	-70-	-71	72	73-	-78-	-79-	-80-							
52	42	T	0.0	0	26	W	0934	10	10		0654	1728	26	4	15	27	0150

Weather & Obstruction to Vision

Type	began	end
-82-	-83-	-84-
RW-	0227	0246

90. Remarks, Notes & Miscellaneous Phenomena
Character of Sunrise: CLOUDY Character of Sunset: CLOUDY

Time Check: 0212/1240//
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	7	ND	ND	ND	ND

[1] Results are presented in ~~ng~~ 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

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[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[1,2]
(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	10^3J	51.9R	102.6R	20^3J
Toluene	375	ND	26.9R	ND	ND
Benzaldehyde	–	90^3J	779.2R	1,538R	400^3J
Nitrogenated Compounds	–	ND	51.9J	ND	ND
Phenylethanone	–	70^3J	649.3R	1,538R	400^3J
C8-Alkane	–	ND	77.9J	ND	ND
C9-Oxygenated Alkane	–	ND	389.6J	769.2J	20^3J
Benzene	33	ND	ND	51.3R	ND
C2-Alkybenzene	–	ND	ND	25.6J	ND
C4-Oxygenated Alkane	–	ND	ND	25.6R	10^3J
C7-Alkene	–	ND	ND	153.8J	ND
C9-Alkene	–	ND	ND	25.6J	ND
Chlorodifluoroethane	–	ND	ND	ND	30^3J
C5-Alkane	–	ND	ND	ND	80^3J
C5-Hydrocarbon	–	ND	ND	ND	50^3J
Substituted Benzene	–	ND	ND	ND	10^3J
Mythlene Chloride	1765	ND	ND	ND	40^3J

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[1,2]

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

APPENDIX K - AIR

LABORATORY DATA AND QUALITY ASSURANCE/QUALITY CONTROL VALIDATION

NEASE CHEMICAL COMPANY SITE
SALEM, OHIO

OFF-SITE SOIL BORINGS

- VOLATILE COMPOUNDS
- SEMIVOLATILE 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).
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.

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-06-0.5	SB-06-3.5	SB-07-0.5	SB-07-3.5	SB-08-0.5	SB-08-3.5	SB-09-0.5	SB-09-3.5	SB-09-100
Remarks			Duplicate of SB-05-0.5	Duplicate of SB-06-3.5							Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Aroclor-1016	0.5	80									
Aroclor-1221	0.5	80									
Aroclor-1232	0.5	80									
Aroclor-1242	0.5	80									
Aroclor-1248	0.5	80									
Aroclor-1254	1.0	160									
Aroclor-1260	1.0	160									
Quantitation Limit Multiplier			1.12	1.11	1.11	1.03	1.27	1.02	1.21	1.10	1.00
Date Sample Received by Laboratory			05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90
Date Sample Extracted			05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/10/90
Date of Analysis			06/08/90	06/08/90	06/08/90	06/09/90	06/09/90	06/09/90	06/09/90	06/09/90	06/09/90
Instrument Used for Analysis			16	16	16	16	16	16	16	16	16

Ruetgers-Nease Salem, Ohio RI/FS Off-Site Soil Borings		
Sample Number	Depth (Feet)	Property Owner
RNS-SB-01-0.5	0-0.5'	Moore
RNS-SB-01-3.5	0.5-3.5'	
RNS-SB-02-0.5	0-0.5'	Walters
RNS-SB-02-3.5	0.5-3.5'	
RNS-SB-03-0.5	0-0.5'	Knavel
RNS-SB-03-3.5	0.5-3.5'	
RNS-SB-04-0.5	0-0.5'	Koran
RNS-SB-04-3.5	0.5-3.5'	
RNS-SB-05-0.5	0-0.5'	Leyman
RNS-SB-05-3.5	0.5-3.5'	
RNS-SB-07-0.5	0-0.5'	Lightener
RNS-SB-07-3.5	0.5-3.5'	
RNS-SB-08-0.5	0-0.5'	R-N
RNS-SB-08-3.5	0.5-3.5'	(Bak)
RNS-SB-09-0.5	0-0.5'	Lowry
RNS-SB-09-3.5	0.5-3.5'	
RNS-SB-11-0.5	0-0.5'	Slanker
RNS-SB-11-3.5	0.5-3.5'	
RNS-SB-12-0.5	0-0.5'	Slanker
RNS-SB-12-3.5	0.5-3.5'	Black Lagoon
RNS-SB-13-5.5	2-5.5'	WWTP Cell 4
RNS-SB-14-9	5-9'	WWTP Cell 6
RNS-SB-15-6	4-6'	WWTP Cell 8

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OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-01-0.5	SB-01-3.5	SB-02-0.5	SB-02-3.5	SB-03-0.5	SB-03-3.5	SB-04-0.5	SB-04-3.5	SB-05-0.5	SB-05-3.5
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Chloromethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	5.0	5 0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Acetate	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-01-0.5	SB-01-3.5	SB-02-0.5	SB-02-3.5	SB-03-0.5	SB-03-3.5	SB-04-0.5	SB-04-3.5	SB-05-0.5	SB-05-3.5
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylene (total)	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Date Sample Received by Laboratory			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Date of Sample Analysis			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Instrument Used for Analysis			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-01-0.5	SB-01-3.5	SB-02-0.5	SB-02-3.5	SB-03-0.5	SB-03-3.5	SB-04-0.5	SB-04-3.5	SB-05-0.5	SB-05-3.5
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Phenol	10	330	R									
bis(2-Chloroethyl)Ether	10	330	R									
2-Chlorophenol	10	330	R									
1,3-Dichlorobenzene	10	330	R									
1,4-Dichlorobenzene	10	330	R									
Benzyl Alcohol	10	330	R									
1,2-Dichlorobenzene	10	330	R									
2-Methylphenol	10	330	R									
bis(2-Chloroisopropyl)Ether	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									
Benzoic Acid	50	1650	R									
bis(2-Chloroethoxy)Methane	10	330	R									
2,4-Dichlorophenol	10	330	R									
1,2,4-Trichlorobenzene	10	330	R									
Naphthalene	10	330	R									
4-Chloroaniline	10	330	R									
Hexachlorobutadiene	10	330	R									

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-01-0.5	SB-01-3.5	SB-02-0.5	SB-02-3.5	SB-03-0.5	SB-03-3.5	SB-04-0.5	SB-04-3.5	SB-05-0.5	SB-05-3.5
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330	R									
2-Methylnaphthalene	10	330	R									
Hexachlorocyclopentadiene	10	330	R									
2,4,6-Trichlorophenol	10	330	R									
2,4,5-Trichlorophenol	50	1650	R									
2-Chloronaphthalene	10	330	R									
2-Nitroaniline	50	1650	R									
Dimethyl Phthalate	10	330	R									
Acenaphthylene	10	330	R									
3-Nitroaniline	50	1650	R									
Acenaphthene	10	330	R									
2,4-Dinitrophenol	50	1650	R									
4-Nitrophenol	50	1650	R									
Dibenzofuran	10	330	R									
2,4-Dinitrotoluene	10	330	R									
2,6-Dinitrotoluene	10	330	R									
Diethylphthalate	10	330	R									49 J
4-Chlorophenyl-phenylether	10	330	R									
Fluorene	10	330	R									
4-Nitroaniline	50	1650	R									
4,6-Dinitro-2-Methylphenol	50	1650	R									
N-Nitrosodiphenylamine	10	330	49 J									
4-Bromophenyl-phenylether	10	330	R									
Hexachlorobenzene	10	330	R									
Pentachlorophenol	10	330	R									

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-01-0.5	SB-01-3.5	SB-02-0.5	SB-02-3.5	SB-03-0.5	SB-03-3.5	SB-04-0.5	SB-04-3.5	SB-05-0.5	SB-05-3.5
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330	R									
Anthracene	10	330	R									
Di-n-Butylphthalate	10	330	R									46 J
Fluoranthene	10	330	R						58 J			
Pyrene	10	330	R						41 J			
Butylbenzylphthalate	10	330	R									
3,3'-Dichlorobenzidine	20	660	R									
Benzo(a)Anthracene	10	330	R									
Chrysene	10	330	R									
bis(2-Ethylhexyl)Phthalate	10	330	130 J	420	560	170 J	270 J	440	110 J	860	48 U	64 U
Di-n-Octyl Phthalate	10	330	R									
Benzo(b)Fluoranthene	10	330	R						50 J			
Benzo(k)Fluoranthene	10	330	R						50 J			
Benzo(a)Pyrene	10	330	R									
Indeno(1,2,3-cd)Pyrene	10	330	R									
Dibenzo(a,h)Anthracene	10	330	R									
Benzo(g,h,i)Perylene	10	330	R									
Diphenyl Sulfone	10	330	R								NA	NA
3,4-Dichloronitrobenzene	10	330	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier			1.27	1.21	1.15	1.12	1.15	1.27	1.21	1.24	1.12	1.18
Date Sample Received by Laboratory			06/15/90	06/15/90	06/15/90	06/15/90	06/15/90	06/15/90	06/15/90	06/15/90	05/05/90	05/05/90
Date Sample Extracted			07/17/90	06/18/90	06/18/90	06/18/90	06/18/90	06/18/90	06/18/90	06/18/90	05/09/90	05/09/90
Date of Sample Analysis			07/24/90	07/13/90	07/13/90	07/13/90	07/13/90	07/13/90	07/13/90	07/13/90	06/06/90	06/06/90
Instrument Used for Analysis			GCMSS1	GCMSS6	GCMSS6	GCMSS6	GCMSS6	GCMSS6	GCMSS6	GCMSS6	GCMSS1	GCMSS1

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-01-0.5	SB-01-3.5	SB-02-0.5	SB-02-3.5	SB-03-0.5	SB-03-3.5	SB-04-0.5	SB-04-3.5	SB-05-0.5	SB-05-3.5
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
alpha-BHC	0.05	8.0										
beta-BHC	0.05	8.0										
delta-BHC	0.05	8.0										
gamma-BHC (Lindane)	0.05	8.0										
Heptachlor	0.05	8.0										
Aldrin	0.05	8.0										
Heptachlor epoxide	0.05	8.0										
Endosulfan I	0.05	8.0										
Dieldrin	0.10	16.0					6.2 J	60				
4,4'-DDE	0.10	16.0			6.4 J				33			
Endrin	0.10	16.0										
Endosulfan II	0.10	16.0										
4,4'-DDD	0.10	16.0										
Endosulfan sulfate	0.10	16.0										
4,4'-DDT	0.10	16.0										
Methoxychlor	0.50	80										
Endrin ketone	0.10	16.0										
alpha-Chlordane	0.10	80										
gamma-Chlordane	0.10	80										
Toxaphene	1.0	160.0										

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-01-0.5	SB-01-3.5	SB-02-0.5	SB-02-3.5	SB-03-0.5	SB-03-3.5	SB-04-0.5	SB-04-3.5	SB-05-0.5	SB-05-3.5
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Aroclor-1016	0.5	80										
Aroclor-1221	0.5	80										
Aroclor-1232	0.5	80										
Aroclor-1242	0.5	80										
Aroclor-1248	0.5	80										
Aroclor-1254	1.0	160										
Aroclor-1260	1.0	160										
Quantitation Limit Multiplier			1.20	1.20	1.21	1.20	1.23	1.18	1.20	1.21	1.15	1.14
Date Sample Received by Laboratory			05/04/90	05/04/90	05/04/90	05/04/90	05/04/90	05/04/90	05/04/90	05/04/90	05/05/90	05/05/90
Date Sample Extracted			05/09/90	05/09/90	05/09/90	05/09/90	05/09/90	05/09/90	05/09/90	05/09/90	05/15/90	05/15/90
Date of Analysis			06/04/90	06/04/90	06/04/90	06/04/90	06/04/90	06/04/90	06/04/90	06/04/90	06/08/90	06/08/90
Instrument Used for Analysis			15	15	15	15	15	15	15	15	16	16

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-01-0.5	SB-01-3.5	SB-02-0.5	SB-02-3.5	SB-03-0.5	SB-03-3.5	SB-04-0.5	SB-04-3.5	SB-05-0.5	SB-05-3.5
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aq)	Reporting Limit (Sol)										
Kepone	0.132	68.0										
Photomirex	0.0474	20.4										
Mirex	0.00544	18.5	716		832	50.2	259		298		61.6	
Reporting Limit Multiplier			1.20	1.20	1.24	1.21	1.23	1.17	1.21	1.25	1.18	1.19
Date Sample Received by Laboratory			05/04/90	05/04/90	05/04/90	05/04/90	05/04/90	05/04/90	05/04/90	05/04/90	05/04/90	05/04/90
Date Sample Extracted			05/11/90	05/11/90	05/11/90	05/11/90	05/11/90	05/11/90	05/11/90	05/11/90	05/15/90	05/15/90
Date of Sample Analysis			06/23/90	06/21/90	06/23/90	06/20/90	06/23/90	06/21/90	06/23/90	06/20/90	06/21/90	06/21/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-06-0.5	SB-06-3.5	SB-07-0.5	SB-07-3.5	SB-08-0.5	SB-08-3.5	SB-09-0.5	SB-09-3.5	SB-09-100
Remarks			Duplicate of SB-05-0.5	Duplicate of SB-06-3.5							Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Chloromethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Acetate	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-06-0.5	SB-06-3.5	SB-07-0.5	SB-07-3.5	SB-08-0.5	SB-08-3.5	SB-09-0.5	SB-09-3.5	SB-09-100
Remarks			Duplicate of SB-05-0.5	Duplicate of SB-06-3.5							Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
Benzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylene (total)	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier			NA	NA	NA	NA	NA	NA	NA	NA	NA
Date Sample Received by Laboratory			NA	NA	NA	NA	NA	NA	NA	NA	NA
Date of Sample Analysis			NA	NA	NA	NA	NA	NA	NA	NA	NA
Instrument Used for Analysis			NA	NA	NA	NA	NA	NA	NA	NA	NA

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-06-0.5	SB-06-3.5	SB-07-0.5	SB-07-3.5	SB-08-0.5	SB-08-3.5	SB-09-0.5	SB-09-3.5	SB-09-100
Remarks			Duplicate of SB-05-0.5	Duplicate of SB-06-3.5							Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
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									
Benzyl Alcohol	10	330									
1,2-Dichlorobenzene	10	330									
2-Methylphenol	10	330									
bis(2-Chloroisopropyl)Ether	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									
Benzoic Acid	50	1650									
bis(2-Chloroethoxy)Methane	10	330									
2,4-Dichlorophenol	10	330									
1,2,4-Trichlorobenzene	10	330									
Naphthalene	10	330			270 J	34 J					
4-Chloroaniline	10	330									
Hexachlorobutadiene	10	330									

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-06-0.5	SB-06-3.5	SB-07-0.5	SB-07-3.5	SB-08-0.5	SB-08-3.5	SB-09-0.5	SB-09-3.5	SB-09-100
Remarks			Duplicate of SB-05-0.5	Duplicate of SB-06-3.5							Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
4-Chloro-3-Methylphenol	10	330									
2-Methylnaphthalene	10	330			440 J	56 J					
Hexachlorocyclopentadiene	10	330									
2,4,6-Trichlorophenol	10	330									
2,4,5-Trichlorophenol	50	1650									
2-Chloronaphthalene	10	330									
2-Nitroaniline	50	1650									
Dimethyl Phthalate	10	330									
Acenaphthylene	10	330									
3-Nitroaniline	50	1650									
Acenaphthene	10	330									
2,4-Dinitrophenol	50	1650									
4-Nitrophenol	50	1650									
Dibenzofuran	10	330			100 J						
2,4-Dinitrotoluene	10	330									
2,6-Dinitrotoluene	10	330									
Diethylphthalate	10	330			70 J	56 J					
4-Chlorophenyl-phenylether	10	330									
Fluorene	10	330									
4-Nitroaniline	50	1650									
4,6-Dinitro-2-Methylphenol	50	1650									
N-Nitrosodiphenylamine	10	330						200 J			
4-Bromophenyl-phenylether	10	330									
Hexachlorobenzene	10	330									
Pentachlorophenol	10	330									

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-06-0.5	SB-06-3.5	SB-07-0.5	SB-07-3.5	SB-08-0.5	SB-08-3.5	SB-09-0.5	SB-09-3.5	SB-09-100
Remarks			Duplicate of SB-05-0.5	Duplicate of SB-06-3.5							Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
Phenanthrene	10	330			200 J				64 J		
Anthracene	10	330									
Di-n-Butylphthalate	10	330			190 J	180 J	52 J	310 J		47 J	
Fluoranthene	10	330			53 J				110 J		
Pyrene	10	330			45 J				88 J		
Butylbenzylphthalate	10	330				360		1900		150 J	
3,3'-Dichlorobenzidine	20	660									
Benzo(a)Anthracene	10	330							64 J		
Chrysene	10	330			61 J				60 J		
bis(2-Ethylhexyl)Phthalate	10	330			57 U	79 U		530 U	120 U	100 U	2 J
Di-n-Octyl Phthalate	10	330									
Benzo(b)Fluoranthene	10	330			66 J				94 J		
Benzo(k)Fluoranthene	10	330			66 J				94 J		
Benzo(a)Pyrene	10	330							53 J		
Indeno(1,2,3-cd)Pyrene	10	330							47 J		
Dibenzo(a,h)Anthracene	10	330									
Benzo(g,h,i)Perylene	10	330							43 J		
Diphenyl Sulfone	10	330	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,4-Dichloronitrobenzene	10	330	NA	NA	NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier			1.07	1.06	1.08	1.01	1.26	4.67	1.10	1.11	1.00
Date Sample Received by Laboratory			05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90
Date Sample Extracted			05/09/90	05/09/90	05/09/90	05/09/90	05/09/90	05/09/90	05/09/90	05/09/90	05/10/90
Date of Sample Analysis			06/06/90	06/06/90	06/06/90	06/07/90	06/07/90	06/07/90	06/07/90	06/07/90	06/08/90
Instrument Used for Analysis			GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-06-0.5	SB-06-3.5	SB-07-0.5	SB-07-3.5	SB-08-0.5	SB-08-3.5	SB-09-0.5	SB-09-3.5	SB-09-100
Remarks			Duplicate of SB-05-0.5	Duplicate of SB-06-3.5							Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
alpha-BHC	0.05	8.0									
beta-BHC	0.05	8.0									
delta-BHC	0.05	8.0									
gamma-BHC (Lindane)	0.05	8.0									
Heptachlor	0.05	8.0									
Aldrin	0.05	8.0									
Heptachlor epoxide	0.05	8.0									
Endosulfan I	0.05	8.0									
Dieldrin	0.10	16.0									
4,4'-DDE	0.10	16.0			110	11 J					
Endrin	0.10	16.0									
Endosulfan II	0.10	16.0									
4,4'-DDD	0.10	16.0			9.6 J						
Endosulfan sulfate	0.10	16.0									
4,4'-DDT	0.10	16.0			110	8.2 J					
Methoxychlor	0.50	80									
Endrin ketone	0.10	16.0									
alpha-Chlordane	0.10	80									
gamma-Chlordane	0.10	80									
Toxaphene	1.0	160.0									

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-10-0.5	SB-10-3.5	SB-11-0.5	SB-11-3.5	SB-11-MS	SB-11-MSD	SB-12-0.5	SB-12-3.5	SB-13-55
Remarks			Duplicate of SB-09-0.5	Duplicate of SB-09-3.5							
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Chloromethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	UL
Bromomethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	UL
Vinyl Chloride	10	10	NA	NA	NA	NA	NA	NA	NA	NA	UL
Chloroethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	UL
Methylene Chloride	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	UL
Acetone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	UL
Carbon Disulfide	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	UL
1,1-Dichloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	UL
1,1-Dichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	UL
1,2-Dichloroethene (total)	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	UL
Chloroform	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	UL
1,2-Dichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	5.0 J
2-Butanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	UL
1,1,1-Trichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	UL
Carbon Tetrachloride	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	UL
Vinyl Acetate	10	10	NA	NA	NA	NA	NA	NA	NA	NA	UL
Bromodichloromethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	UL
1,1,2,2-Tetrachloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	UL
1,2-Dichloropropane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	90 J
trans-1,3-Dichloropropene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	UL
Trichloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	UL
Dibromochloromethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	UL
1,1,2-Trichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	UL

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-10-0.5	SB-10-3.5	SB-11-0.5	SB-11-3.5	SB-11-MS	SB-11-MSD	SB-12-0.5	SB-12-3.5	SB-13-55
Remarks			Duplicate of SB-09-0.5	Duplicate of SB-09-3.5							
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	UL
cis-1,3-Dichloropropene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	UL
Bromoform	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	UL
2-Hexanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	UL
4-Methyl-2-Pentanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	UL
Tetrachloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	UL
Toluene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	UL
Chlorobenzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	UL
Ethylbenzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	UL
Styrene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	UL
Xylene (total)	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	UL
Quantitation Limit Multiplier			NA	NA	NA	NA	NA	NA	NA	NA	1.17
Date Sample Received by Laboratory			NA	NA	NA	NA	NA	NA	NA	NA	05/07/90
Date of Sample Analysis			NA	NA	NA	NA	NA	NA	NA	NA	05/17/90
Instrument Used for Analysis			NA	NA	NA	NA	NA	NA	NA	NA	V1

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-10-0.5	SB-10-3.5	SB-11-0.5	SB-11-3.5	SB-11-MS	SB-11-MSD	SB-12-0.5	SB-12-3.5	SB-13-55
Remarks			Duplicate of SB-09-0.5	Duplicate of SB-09-3.5							
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Phenol	10	330					S	S			
bis(2-Chloroethyl)Ether	10	330									
2-Chlorophenol	10	330					S	S			
1,3-Dichlorobenzene	10	330									
1,4-Dichlorobenzene	10	330					S	S			76 J
Benzyl Alcohol	10	330									
1,2-Dichlorobenzene	10	330									
2-Methylphenol	10	330									
bis(2-Chloroisopropyl)Ether	10	330									
4-Methylphenol	10	330									40 J
N-Nitroso-Di-n-Propylamine	10	330					S	S			
Hexachloroethane	10	330									
Nitrobenzene	10	330									
Isophorone	10	330									
2-Nitrophenol	10	330									
2,4-Dimethylphenol	10	330									
Benzoic Acid	50	1650									450 J
bis(2-Chloroethoxy)Methane	10	330									
2,4-Dichlorophenol	10	330									
1,2,4-Trichlorobenzene	10	330					S	S			
Naphthalene	10	330									160 J
4-Chloroaniline	10	330									
Hexachlorobutadiene	10	330									

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-10-0.5	SB-10-3.5	SB-11-0.5	SB-11-3.5	SB-11-MS	SB-11-MSD	SB-12-0.5	SB-12-3.5	SB-13-55
Remarks			Duplicate of SB-09-0.5	Duplicate of SB-09-3.5							
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330					S	S			
2-Methylnaphthalene	10	330									170 J
Hexachlorocyclopentadiene	10	330									
2,4,6-Trichlorophenol	10	330									
2,4,5-Trichlorophenol	50	1650									
2-Chloronaphthalene	10	330									
2-Nitroaniline	50	1650									
Dimethyl Phthalate	10	330									
Acenaphthylene	10	330									41 J
3-Nitroaniline	50	1650									
Acenaphthene	10	330					S	S			49 J
2,4-Dinitrophenol	50	1650									
4-Nitrophenol	50	1650					S	S			
Dibenzofuran	10	330									47 J
2,4-Dinitrotoluene	10	330					S	S			
2,6-Dinitrotoluene	10	330									
Diethylphthalate	10	330				43 J		59 J	67 J		
4-Chlorophenyl-phenylether	10	330									
Fluorene	10	330									64 J
4-Nitroaniline	50	1650									
4,6-Dinitro-2-Methylphenol	50	1650									
N-Nitrosodiphenylamine	10	330					55 J				
4-Bromophenyl-phenylether	10	330									
Hexachlorobenzene	10	330									
Pentachlorophenol	10	330					S	S			

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-10-0.5	SB-10-3.5	SB-11-0.5	SB-11-3.5	SB-11-MS	SB-11-MSD	SB-12-0.5	SB-12-3.5	SB-13-55
Remarks			Duplicate of SB-09-0.5	Duplicate of SB-09-3.5							
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330	72 J								1400
Anthracene	10	330									400
Di-n-Butylphthalate	10	330				150 J		180 J	180 J		210 J
Fluoranthene	10	330	110 J								2100
Pyrene	10	330	87 J				S	S			2000 J
Butylbenzylphthalate	10	330		170 J		240 J				390	5400 B
3,3'-Dichlorobenzidine	20	660									R
Benzo(a)Anthracene	10	330	58 J								1400 J
Chrysene	10	330	59 J								1300 J
bis(2-Ethylhexyl)Phthalate	10	330	110 U	60 U	68 U		53 U	1600 J	59 U	570 U	970 B
Di-n-Octyl Phthalate	10	330									UL
Benzo(b)Fluoranthene	10	330	98 J								2400 J
Benzo(k)Fluoranthene	10	330	98 J								2400 J
Benzo(a)Pyrene	10	330	49 J								1200 J
Indeno(1,2,3-cd)Pyrene	10	330	44 J								420 J
Dibenzo(a,h)Anthracene	10	330									110 J
Benzo(g,h,i)Perylene	10	330	41 J								420 J
Diphenyl Sulfone	10	330	NA	NA	NA	NA	NA	NA	NA	NA	
3,4-Dichloronitrobenzene	10	330	NA	NA	NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier			1.21	1.15	1.55	1.12	1.32	1.30	1.20	1.18	1.18
Date Sample Received by Laboratory			05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/07/90
Date Sample Extracted			05/09/90	05/09/90	05/09/90	05/09/90	05/09/90	05/09/90	05/09/90	05/09/90	05/14/90
Date of Sample Analysis			06/08/90	06/08/90	06/08/90	06/08/90	06/08/90	06/08/90	06/08/90	06/08/90	06/13/90
Instrument Used for Analysis			GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS4

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-10-0.5	SB-10-3.5	SB-11-0.5	SB-11-3.5	SB-11-MS	SB-11-MSD	SB-12-0.5	SB-12-3.5	SB-13-55
Remarks			Duplicate of SB-09-0.5	Duplicate of SB-09-3.5							
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
alpha-BHC	0.05	8.0									
beta-BHC	0.05	8.0									
delta-BHC	0.05	8.0									
gamma-BHC (Lindane)	0.05	8.0					S	S			
Heptachlor	0.05	8.0					S	S			
Aldrin	0.05	8.0					S	S			
Heptachlor epoxide	0 05	8.0									
Endosulfan I	0.05	8.0									
Dieldrin	0.10	16.0					S	S			
4,4'-DDE	0.10	16.0									
Endrin	0.10	16.0					S	S			
Endosulfan II	0.10	16.0									
4,4'-DDD	0.10	16.0									
Endosulfan sulfate	0.10	16.0									
4,4'-DDT	0.10	16.0					S	S			
Methoxychlor	0.50	80									
Endrin ketone	0.10	16.0									
alpha-Chlordane	0.10	80									
gamma-Chlordane	0.10	80									
Toxaphene	1.0	160.0									

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-10-0.5	SB-10-3.5	SB-11-0.5	SB-11-3.5	SB-11-MS	SB-11-MSD	SB-12-0.5	SB-12-3.5	SB-13-55
Remarks			Duplicate of SB-09-0.5	Duplicate of SB-09-3.5							
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Aroclor-1016	0.5	80									
Aroclor-1221	0.5	80									
Aroclor-1232	0.5	80									
Aroclor-1242	0.5	80									
Aroclor-1248	0.5	80									
Aroclor-1254	1.0	160									
Aroclor-1260	1.0	160									
Quantitation Limit Multiplier			1.15	1.04	1.51	1.22	1.23	1.32	1.25	1.14	2.88
Date Sample Received by Laboratory			05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/07/90
Date Sample Extracted			05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/17/90
Date of Analysis			06/09/90	06/09/90	06/09/90	06/09/90	06/09/90	06/09/90	06/09/90	06/09/90	06/05/90
Instrument Used for Analysis			16	16	16	16	16	16	16	16	

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number RNS-			SB-10-0.5	SB-10-3.5	SB-11-0.5	SB-11-3.5	SB-11-MS	SB-11-MSD	SB-12-0.5	SB-12-3.5	SB-13-55
Remarks			Duplicate of SB-09-0.5	Duplicate of SB-09-3.5							
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aq)	Reporting Limit (Sol)									
Kepone	0.132	68.0					S	S			R
Photomirex	0.0474	20.4					S	S			15.8 J
Mirex	0.00544	18.5	31.9		82.8		S	S	104		891 J
Reporting Limit Multiplier			1.16	1.17	1.57	1.15	0.74	0.76	1.11	1.25	1.16/23.3
Date Sample Received by Laboratory			05/04/90	05/04/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/07/90
Date Sample Extracted			05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	07/03/90
Date of Sample Analysis			06/22/90	06/22/90	06/22/90	06/22/90	06/23/90	06/23/90	06/23/90	06/23/90	07/12/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS2

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-13-101	SB-13-200	SB-14-09	SB-14-MS	SB-14-MSD	SB-15-06	SB-16-55
Remarks			Field Blank	Trip Blank		Matrix Spike	Matrix Spike		Duplicate of SB-15-06
Units			ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)							
Chloromethane	10	10							UL
Bromomethane	10	10							UL
Vinyl Chloride	10	10							UL
Chloroethane	10	10							UL
Methylene Chloride	5.0	5.0	3.0 J	4.0 J	21 U	13 U	6.0 U	12 U	12 U
Acetone	10	10			62 U	120 J	40 U	34 U	24 U
Carbon Disulfide	5.0	5.0							UL
1,1-Dichloroethene	5.0	5.0				S	S		UL
1,1-Dichloroethane	5.0	5.0							UL
1,2-Dichloroethene (total)	5.0	5.0							UL
Chloroform	5.0	5 0							UL
1,2-Dichloroethane	5.0	5.0				7.0 J		6.0	8.0 J
2-Butanone	10	10							UL
1,1,1-Trichloroethane	5.0	5.0							UL
Carbon Tetrachloride	5.0	5.0							UL
Vinyl Acetate	10	10							UL
Bromodichloromethane	5.0	5.0							UL
1,1,2,2-Tetrachloroethane	5.0	5.0							UL
1,2-Dichloropropane	5.0	5.0			27 J	75 J	3.0 J	55	110 J
trans-1,3-Dichloropropene	5.0	5.0							UL
Trichloroethene	5.0	5.0				S	S		UL
Dibromochloromethane	5.0	5.0							UL
1,1,2-Trichloroethane	5.0	5.0							UL

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-13-101	SB-13-200	SB-14-09	SB-14-MS	SB-14-MSD	SB-15-06	SB-16-55
Remarks			Field Blank	Trip Blank		Matrix Spike	Matrix Spike		Duplicate of SB-15-06
Units			ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0				S	S		UL
cis-1,3-Dichloropropene	5.0	5.0							UL
Bromoform	5.0	5.0							UL
2-Hexanone	10	10							UL
4-Methyl-2-Pentanone	10	10							UL
Tetrachloroethene	5.0	5.0							UL
Toluene	5.0	5.0				S	S		UL
Chlorobenzene	5.0	5.0				S	S		UL
Ethylbenzene	5.0	5 0							UL
Styrene	5.0	5.0							UL
Xylene (total)	5.0	5.0				3.0 J	3.0 J	4.0 J	6.0 J
Quantitation Limit Multiplier			1.00	1.00	1 19	1.17	1.13	1.19	1.20
Date Sample Received by Laboratory			05/07/90	05/07/90	05/07/90	05/07/90	05/07/90	05/07/90	05/07/90
Date of Sample Analysis			05/12/90	05/12/90	05/17/90	05/17/90	05/17/90	05/17/90	05/17/90
Instrument Used for Analysis			V2	V2	V1	V1	V1	V1	V1

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-13-101	SB-13-200	SB-14-09	SB-14-MS	SB-14-MSD	SB-15-06	SB-16-55
Remarks			Field Blank	Trip Blank		Matrix Spike	Matrix Spike		Duplicate of SB-15-06
Units			ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)							
Phenol	10	330		NA		S	S		
bis(2-Chloroethyl)Ether	10	330		NA					
2-Chlorophenol	10	330		NA		S	S		
1,3-Dichlorobenzene	10	330		NA					
1,4-Dichlorobenzene	10	330		NA	UL	S	S	86 J	
Benzyl Alcohol	10	330		NA	R	R			R
1,2-Dichlorobenzene	10	330		NA					
2-Methylphenol	10	330		NA					
bis(2-Chloroisopropyl)Ether	10	330		NA					
4-Methylphenol	10	330		NA	270 J	610	930	86 J	
N-Nitroso-Di-n-Propylamine	10	330		NA	UL	S	S		
Hexachloroethane	10	330		NA					
Nitrobenzene	10	330		NA					
Isophorone	10	330		NA					
2-Nitrophenol	10	330		NA					
2,4-Dimethylphenol	10	330		NA					
Benzoic Acid	50	1650		NA					
bis(2-Chloroethoxy)Methane	10	330		NA					
2,4-Dichlorophenol	10	330		NA					
1,2,4-Trichlorobenzene	10	330		NA		S	S		
Naphthalene	10	330		NA	65 J	54 J	98 J	230 J	
4-Chloroaniline	10	330		NA					
Hexachlorobutadiene	10	330		NA					

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-13-101	SB-13-200	SB-14-09	SB-14-MS	SB-14-MSD	SB-15-06	SB-16-55
Remarks			Field Blank	Trip Blank		Matrix Spike	Matrix Spike		Duplicate of SB-15-06
Units			ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330		NA		S	S		
2-Methylnaphthalene	10	330		NA	73 J	56 J	64 J	390 J	
Hexachlorocyclopentadiene	10	330		NA					
2,4,6-Trichlorophenol	10	330		NA					
2,4,5-Trichlorophenol	50	1650		NA					
2-Chloronaphthalene	10	330		NA					
2-Nitroaniline	50	1650		NA					
Dimethyl Phthalate	10	330		NA					
Acenaphthylene	10	330		NA					
3-Nitroaniline	50	1650		NA					
Acenaphthene	10	330		NA					
2,4-Dinitrophenol	50	1650		NA					
4-Nitrophenol	50	1650		NA	R				
Dibenzofuran	10	330		NA				53 J	
2,4-Dinitrotoluene	10	330		NA					
2,6-Dinitrotoluene	10	330		NA					
Diethylphthalate	10	330		NA		43 J			
4-Chlorophenyl-phenylether	10	330		NA					
Fluorene	10	330		NA				55 J	
4-Nitroaniline	50	1650		NA					
4,6-Dinitro-2-Methylphenol	50	1650		NA					
N-Nitrosodiphenylamine	10	330		NA					
4-Bromophenyl-phenylether	10	330		NA					
Hexachlorobenzene	10	330		NA					
Pentachlorophenol	10	330		NA					

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-13-101	SB-13-200	SB-14-09	SB-14-MS	SB-14-MSD	SB-15-06	SB-16-55
Remarks			Field Blank	Trip Blank		Matrix Spike	Matrix Spike		Duplicate of SB-15-06
Units			ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330		NA	87 J	120 J	110 J	220 J	
Anthracene	10	330		NA					
Di-n-Butylphthalate	10	330		NA		460	530		220 J
Fluoranthene	10	330		NA	89 J	120 J	83 J	150 J	
Pyrene	10	330		NA	110 J			UL	
Butylbenzylphthalate	10	330	12	NA	1300 B	1400 B	910 B	UL	
3,3'-Dichlorobenzidine	20	660		NA			R	R	
Benzo(a)Anthracene	10	330		NA	65 J	73 J		UL	
Chrysene	10	330		NA		62 J	43 J	UL	
bis(2-Ethylhexyl)Phthalate	10	330	26	NA	1400 B	4700 B	1600 B	4100 B	1300 B
Di-n-Octyl Phthalate	10	330		NA					
Benzo(b)Fluoranthene	10	330		NA	93 J	120 J	82 J		
Benzo(k)Fluoranthene	10	330		NA	93 J	120 J	82 J		
Benzo(a)Pyrene	10	330		NA	88 J	42 J	42 J		
Indeno(1,2,3-cd)Pyrene	10	330		NA					
Dibenzo(a,h)Anthracene	10	330		NA					
Benzo(g,h,i)Perylene	10	330		NA					
Diphenyl Sulfone	10	330		NA		S	S		
3,4-Dichloronitrobenzene	10	330	NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier			1.00	NA	1.09	1.27	1.19	1.21	5.70
Date Sample Received by Laboratory			05/07/90	NA	05/07/90	05/07/90	05/07/90	05/07/90	05/07/90
Date Sample Extracted			05/10/90	NA	05/14/90	05/14/90	05/14/90	05/14/90	05/14/90
Date of Sample Analysis			06/09/90	NA	06/12/90	06/12/90	06/13/90	06/13/90	06/12/90
Instrument Used for Analysis			GCMSS4	NA	GCMSS4	GCMSS4	GCMSS4	GCMSS4	GCMSS4

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-13-101	SB-13-200	SB-14-09	SB-14-MS	SB-14-MSD	SB-15-06	SB-16-55
Remarks			Field Blank	Trip Blank		Matrix Spike	Matrix Spike		Duplicate of SB-15-06
Units			ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)							
alpha-BHC	0.05	8.0		NA					
beta-BHC	0.05	8.0		NA					
delta-BHC	0.05	8.0		NA					
gamma-BHC (Lindane)	0.05	8.0		NA		S	S		
Heptachlor	0.05	8.0		NA		S	S		
Aldrin	0.05	8.0		NA		S	S		
Heptachlor epoxide	0.05	8.0		NA					
Endosulfan I	0.05	8.0		NA					
Dieldrin	0.10	16.0		NA		S	S		
4,4'-DDE	0.10	16.0		NA					
Endrin	0.10	16.0		NA		S	S		
Endosulfan II	0.10	16.0		NA					
4,4'-DDD	0.10	16.0		NA					
Endosulfan sulfate	0.10	16.0		NA					
4,4'-DDT	0.10	16.0		NA		S	S		
Methoxychlor	0.50	80		NA					
Endrin ketone	0.10	16.0		NA					
alpha-Chlordane	0.10	80		NA					
gamma-Chlordane	0.10	80		NA					
Toxaphene	1.0	160.0		NA					

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-13-101	SB-13-200	SB-14-09	SB-14-MS	SB-14-MSD	SB-15-06	SB-16-55
Remarks			Field Blank	Trip Blank		Matrix Spike	Matrix Spike		Duplicate of SB-15-06
Units			ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)							
Aroclor-1016	0.5	80		NA					
Aroclor-1221	0.5	80		NA					
Aroclor-1232	0.5	80		NA					
Aroclor-1242	0.5	80		NA					
Aroclor-1248	0.5	80		NA					
Aroclor-1254	1.0	160		NA					
Aroclor-1260	1.0	160		NA					
Quantitation Limit Multiplier			1.0	NA	1.27	1.25	1.26	3.06	3.00
Date Sample Received by Laboratory			05/07/90	NA	05/07/90	05/07/90	05/07/90	05/07/90	05/07/90
Date Sample Extracted			05/10/90	NA	05/17/90	05/17/90	05/17/90	05/17/90	05/17/90
Date of Analysis			06/05/90	NA	06/17/90	06/17/90	06/17/90	06/05/90	06/05/90
Instrument Used for Analysis				NA					

OFF-SITE SOIL BORING SAMPLES

ERM-Midwest Sample Number RNS-			SB-13-101	SB-13-200	SB-14-09	SB-14-MS	SB-14-MSD	SB-15-06	SB-16-55
Remarks			Field Blank	Trip Blank		Matrix Spike	Matrix Spike		Duplicate of SB-15-06
Units			ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aq)	Reporting Limit (Sol)							
Kepone	0.132	68.0		NA	R	S	S		
Photomirex	0.0474	20.4		NA	R	S	S		
Mirex	0.00544	18.5		NA	15.4 J	S	S	19.0 J	28.5
Reporting Limit Multiplier			1.0	NA	1.28	1.28	1.28	1.16	1.19
Date Sample Received by Laboratory			05/07/90	NA	05/07/90	05/07/90	05/07/90	05/07/90	05/07/90
Date Sample Extracted			05/10/90	NA	07/03/90	05/17/90	05/17/90	05/17/90	05/17/90
Date of Sample Analysis			06/16/90	NA	07/10/90	07/12/90	07/12/90	06/29/90	06/29/90
Instrument Used for Analysis			GCMSS2	NA	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2

OFF-SITE SOIL BORINGS

SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Legend:

-	Compound was not detected.
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.
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.

OFF-SITE SOIL BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concentrations

ERM-Midwest Sample Number RNS-	SB-01-0.5	SB-01-3.5	SB-02-0.5	SB-02-3.5	SB-03-0.5	SB-03-3.5	SB-04-0.5	SB-04-3.5	SB-05-0.5	SB-05-3.5
Remarks										
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS		-			-	-	-	-		
4-HYDROXY-4-METHYL-2-PENTANONE (ALDOL)	15,000 R									
HALOGENATED AROMATIC				220 J						
OCTADECANOIC ACID ISOMER			190 J							
9-Hexadecenoic Acid									270 J	
Hexadecanoic Acid									410 J	200 J
Sitosterol Isomer									260 J	180 J
Eicosene Isomer										
1-Methyl Naphthalene										
Dimethyl Naphthalene Isomer										
Benzeneacetic Acid										
2H-1-Benzopyran-2-One										
Octadecanoic acid										
Cholestane Isomer										
Cholest-5-en-3-one										
Dodecane										
Tridecane										
Tetradecanoic acid										
Alkanoic acid										
Benzaldehyde (ACN)(DOT)										
Ethanone, 1-(Nitrophenyl)- I										
Ethanedione, Diphenyl-										
Phenol 2,4-dichloro-, Benzenesulfonate										
Benzene, (1,2-Dimethoxyethyl)										

OFF-SITE SOIL BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concentrations

ERM-Midwest Sample Number RNS-	SB-01-0.5	SB-01-3.5	SB-02-0.5	SB-02-3.5	SB-03-0.5	SB-03-3.5	SB-04-0.5	SB-04-3.5	SB-05-0.5	SB-05-3.5
Remarks										
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzenamine, Dimethylnitro-isomer										
Benzene, 2,4-Dibromo-1-Methoxy-										
Diazene, Bis(Bromophenyl)- isomer										
Benzenesulfonamide										
Ethanone, 1-(4-Nitrophenyl)-										
Diazene, Bis(3,4-dichlorophenyl),1-oxide										
Benzophenone										
Methanone, (4-Bromophenyl)phenyl										
Benzaldehyde										
Pentachloroethane										
[1,1'-Biphenyl]-2-ol										
Benzenesulfonamide, 4-Methyl										
Benzenemethanol, .Alpha.-(Chloromethyl)-										
1,3-Cyclopentadiene, 1,2,3,4-Tetrachloro-										
Ethanone, 1-(3-Nitrophenyl)-										
Benzene, (1,2-Dichloroethyl)										

OFF-SITE SOIL BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent									
ERM-Midwest Sample Number RNS-	SB-06-0.5	SB-06-3.5	SB-07-0.5	SB-07-3.5	SB-08-0.5	SB-08-3.5	SB-09-0.5	SB-09-3.5	SB-09-100
Remarks	Duplicate of SB-05-0.5	Duplicate of SB-06-3.5							Field Blank
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
SEMIVOLATILE COMPONENTS									
4-HYDROXY-4-METHYL-2-PENTANONE (ALDOL)									
HALOGENATED AROMATIC									
OCTADECANOIC ACID ISOMER									
9-Hexadecenoic Acid									
Hexadecanoic Acid	290 J							200 J	
Sitosterol Isomer	170 J								
Eicosene Isomer	160 J							990 J	
1-Methyl Naphthalene			320 J						
Dimethyl Naphthalene Isomer			280 J						
Benzeneacetic Acid									
2H-1-Benzopyran-2-One									
Octadecanoic acid									
Cholestane Isomer									
Cholest-5-en-3-one									
Dodecane									
Tridecane									
Tetradecanoic acid									
Alkanoic acid									
Benzaldehyde (ACN)(DOT)									
Ethanone, 1-(Nitrophenyl)- I									
Ethanedione, Diphenyl-									
Phenol 2,4-dichloro-, Benzenesulfonate									
Benzene, (1,2-Dimethoxyethyl)									

OFF-SITE SOIL BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent									
ERM-Midwest Sample Number RNS-	SB-06-0.5	SB-06-3.5	SB-07-0.5	SB-07-3.5	SB-08-0.5	SB-08-3.5	SB-09-0.5	SB-09-3.5	SB-09-100
Remarks	Duplicate of SB-05-0.5	Duplicate of SB-06-3.5							Field Blank
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
Benzenamine, Dimethylnitro-isomer									
Benzene, 2,4-Dibromo-1-Methoxy-									
Diazene, Bis(Bromophenyl)- isomer									
Benzenesulfonamide									
Ethanone, 1-(4-Nitrophenyl)-									
Diazene, Bis(3,4-dichlorophenyl),1-oxide									
Benzophenone									
Methanone, (4-Bromophenyl)phenyl									
Benzaldehyde									
Pentachloroethane									
[1,1'-Biphenyl]-2-ol									
Benzenesulfonamide, 4-Methyl									
Benzenemethanol, .Alpha.-(Chloromethyl)-									
1,3-Cyclopentadiene, 1,2,3,4-Tetrachloro-									
Ethanone, 1-(3-Nitrophenyl)-									
Benzene, (1,2-Dichloroethyl)									

OFF-SITE SOIL BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent									
ERM-Midwest Sample Number RNS-	SB-10-0.5	SB-10-3.5	SB-11-0.5	SB-11-3.5	SB-11-MS	SB-11-MSD	SB-12-0.5	SB-12-3.5	SB-13-55
Remarks	Duplicate of SB-09-0.5	Duplicate of SB-09-3.5							
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS				-	NA	NA			
4-HYDROXY-4-METHYL-2-PENTANONE (ALDOL)									17,000 R
HALOGENATED AROMATIC									
OCTADECANOIC ACID ISOMER									
9-Hexadecenoic Acid									
Hexadecanoic Acid	190 J	370 J	280 J						2300 J
Sitosterol Isomer									
Eicosene Isomer			320 J						
1-Methyl Naphthalene									
Dimethyl Naphthalene Isomer									
Benzeneacetic Acid			220 J						
2H-1-Benzopyran-2-One			250 J						
Octadecanoic acid									2000 J
Cholestane Isomer									
Cholest-5-en-3-one									
Dodecane									
Tridecane									
Tetradecanoic acid									
Alkanoic acid									
Benzaldehyde (ACN)(DOT)									
Ethanone, 1-(Nitrophenyl)- I									
Ethanedione, Diphenyl-									
Phenol 2,4-dichloro-, Benzenesulfonate									
Benzene, (1,2-Dimethoxyethyl)									

OFF-SITE SOIL BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent									
ERM-Midwest Sample Number RNS-	SB-10-0.5	SB-10-3.5	SB-11-0.5	SB-11-3.5	SB-11-MS	SB-11-MSD	SB-12-0.5	SB-12-3.5	SB-13-55
Remarks	Duplicate of SB-09-0.5	Duplicate of SB-09-3.5							
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzenamine, Dimethylnitro-isomer									
Benzene, 2,4-Dibromo-1-Methoxy-									
Diazene, Bis(Bromophenyl)- isomer									
Benzenesulfonamide									
Ethanone, 1-(4-Nitrophenyl)-									
Diazene, Bis(3,4-dichlorophenyl),1-oxide									
Benzophenone									
Methanone, (4-Bromophenyl)phenyl									
Benzaldehyde									
Pentachloroethane									
[1,1'-Biphenyl]-2-ol									
Benzenesulfonamide, 4-Methyl									
Benzenemethanol, .Alpha.-(Chloromethyl)-									
1,3-Cyclopentadiene, 1,2,3,4-Tetrachloro-									
Ethanone, 1-(3-Nitrophenyl)-									
Benzene, (1,2-Dichloroethyl)									

OFF-SITE SOIL BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent							
ERM-Midwest Sample Number RNS-	SB-13-101	SB-13-200	SB-14-09	SB-14-MS	SB-14-MSD	SB-15-06	SB-16-55
Remarks	Field Blank	Trip Blank		Matrix Spike	Matrix Spike		Duplicate of SB-15-06
Units	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS	-	-		-	-		
4-HYDROXY-4-METHYL-2-PENTANONE (ALDOL)			19,000 R			16,000 R	8800 R
HALOGENATED AROMATIC							
OCTADECANOIC ACID ISOMER							
9-Hexadecenoic Acid							
Hexadecanoic Acid			3600 J			10,000 J	100,000 J
Sitosterol Isomer							
Eicosene Isomer							
1-Methyl Naphthalene							
Dimethyl Naphthalene Isomer							
Benzeneacetic Acid							
2H-1-Benzopyran-2-One							
Octadecanoic acid			1300 J				28,000 J
Cholestane Isomer			21,000 J			8300 J	10,000 J
Cholest-5-en-3-one			1800 J				
Dodecane						510 J	
Tridecane						890 J	
Tetradecanoic acid							8500 J
Alkanoic acid						4000 J	
Benzaldehyde (ACN)(DOT)							
Ethanone, 1-(Nitrophenyl)- I							
Ethanedione, Diphenyl-							
Phenol 2,4-dichloro-, Benzenesulfonate							
Benzene, (1,2-Dimethoxyethyl)							

OFF-SITE SOIL BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent							
ERM-Midwest Sample Number RNS-	SB-13-101	SB-13-200	SB-14-09	SB-14-MS	SB-14-MSD	SB-15-06	SB-16-55
Remarks	Field Blank	Trip Blank		Matrix Spike	Matrix Spike		Duplicate of SB-15-06
Units	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzenamine, Dimethylnitro-isomer							
Benzene, 2,4-Dibromo-1-Methoxy-							
Diazene, Bis(Bromophenyl)- isomer							
Benzenesulfonamide							
Ethanone, 1-(4-Nitrophenyl)-							
Diazene, Bis(3,4-dichlorophenyl),1-oxide							
Benzophenone							
Methanone, (4-Bromophenyl)phenyl							
Benzaldehyde							
Pentachloroethane							
[1,1'-Biphenyl]-2-ol							
Benzenesulfonamide, 4-Methyl							
Benzenemethanol, .Alpha.-(Chloromethyl)-							
1,3-Cyclopentadiene, 1,2,3,4-Tetrachloro-							
Ethanone, 1-(3-Nitrophenyl)-							
Benzene, (1,2-Dichloroethyl)							

OFF-SITE SOIL BORING SAMPLES

- INORGANICS
- DIOXINS AND FURANS

Legend:

-	Compound was not detected.
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.
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.

OFF-SITE SOIL BORING SAMPLES

INORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

ERM Midwest Sample Number			RNS-	SB-13-55	SB-13-101	SB-14-09	SB-14-DUP	SB-15-06	SB-16-55
Percent Solids Date Sampled					- 5/5/90		Laboratory Duplicate		Duplicate of SB-15-06
Units				ug/kg	ug/L	ug/kg	mg/kg	ug/kg	ug/kg
INORGANIC ELEMENTS		Detection Limit	Detection Limit		Field Blank				
Aluminum	P	15.0	3.0	6530	226	10,600	10,100	12,000	12,500
Antimony	P	19.0	3.8	13.1 J		UL	UL	9.1 J	UL
Arsenic	F	2.0	0.4	18.7		8.8	8.4	13.1	14.0
Barium	P	1.0	0.20	280		153	158	135	155
Beryllium	P	1.0	0.20	0.64 J		0.63 J	0.64 J	0.83 J	0.91 J
Cadmium	P	3.0	0.60	3.3					2.0
Calcium	P	14.0	2.8	18,900	190	4560	4150	14,700	17,800
Chromium	P	3.0	0.60	128		22.2	22.3	29.9	33.3
Cobalt	P	3.0	0.60	9.6		13.1	13.3	10.4	12.1
Copper	P	3.0	0.60	192		73.4	71.2	77.2	98.7
Iron	P	3.0	0.60	16,000	130	25,000	23,700	27,200	38,700
Lead	F	2.0	0.40	213 J	2.0	29.7 J	27.3 J	48.8 J	66.0 J
Magnesium	P	23.0	4.6	3930	38.4	3130	2720	5240	6020
Manganese	P	1.0	0.20	344 J	5.4	606 J	444 J	665 J	775 J
Mercury	CV	0.20	0.10	1.8 J		0.4 J	0.3 J	0.6 J	1.2 J
Nickel	P	24.0	4.8	60.8		49.9	53.9	33.2	35.7
Potassium	P	428	85.6	736		1400	1450	1690	1780
Selenium	F	2.0	0.40	0.52 J					
Silver	F	2.0	0.40	10.2		1.6	1.4	1.8	3.0
Sodium	P	18.0	3.6	208	338	294	285	180	184
Thallium	F	3.0	0.60					UL	
Vanadium	P	3.0	0.60	10.0		19.9	19.6	21.5	24.5

OFF-SITE SOIL BORING SAMPLES

INORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

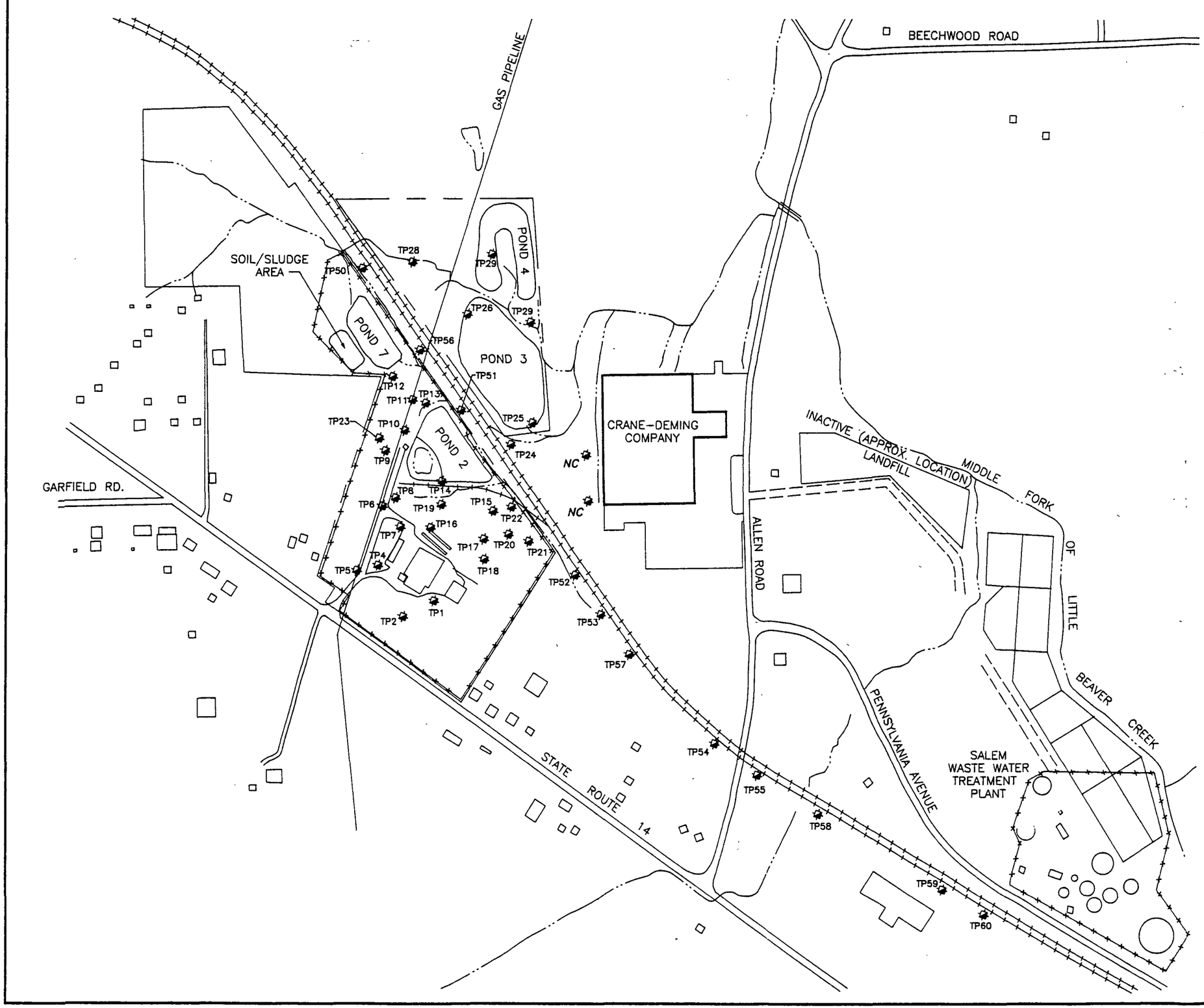
ERM Midwest Sample Number			RNS-	SB-13-55	SB-13-101	SB-14-09	SB-14-DUP	SB-15-06	SB-16-55
Percent Solids Date Sampled					- 5/5/90		Laboratory Duplicate		Duplicate of SB-15-06
Units				ug/kg	ug/L	ug/kg	mg/kg	ug/kg	ug/kg
INORGANIC ELEMENTS		Detection Limit	Detection Limit		Field Blank				
Zinc	P	6.0	1.2	1120 J	12.4	304 J	331 J	270 J	412 J
Cyanide	As	10.0	0.25	3.7			UL		0.73
Detection Limit Multiplier				1.19		1.21	1.21	1.24	1.21

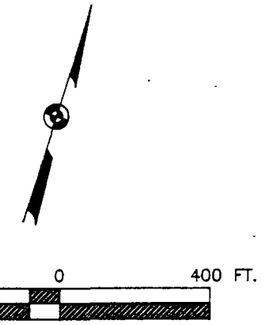
TEST PITS

- VOLATILE COMPOUNDS
- VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS
- SEMIVOLATILE 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).
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.





LEGEND

- SITE BOUNDARY
- FENCE
- RAILROAD TRACKS
- SURFACE WATER DRAINAGE
- TP57 — TEST PIT SOIL SAMPLE
- *NC* — NOT COMPLETED AT THIS TIME DUE TO REFUSAL OF ACCESS BY CRANE–DEMING

TEST PIT SOIL SAMPLING LOCATIONS
RUETGERS–NEASE SALEM, OHIO RI/FS

FIGURE 2–12

ERM ERM-Midwest, inc.
Environmental Resources Management

PROJECT\202-01-07\07FG2-12.DWG

Ruetgers-Nease Salem, Ohio RI/FS
On-Site Test Pits

Test Pit Sample Number	Depth (Feet)	Test Pit Sample Number	Depth (Feet)	Test Pit Sample Number	Depth (Feet)
RNS-TP-01-0.5	0.5	RNS-TP-11-0.	0.5	RNS-TP-22-0.5	0.5
RNS-TP-01-2.5	1.5-2.5	RNS-TP-11-3.	0.5-3.5	RNS-TP-22-3.5	0.5-3.5
RNS-TP-01-3.5	0.5-3.5	RNS-TP-11-6.	3.5-6.5	RNS-TP-22-6.5	3.5-6.5
RNS-TP-01-5.5	4.5-5.5	RNS-TP-12-0.	0.5	RNS-TP-23-0.5	0.5
RNS-TP-01-6.5	3.5-6.5	RNS-TP-12-3.	0.5-3.5	RNS-TP-23-3.5	0.5-3.5
RNS-TP-02-0.5	0.5	RNS-TP-12-6.	3.5-6.5	RNS-TP-23-6.5	3.5-6.5
RNS-TP-02-2.5	1.5-2.5	RNS-TP-13-0.	0.5	RNS-TP-23-9.5	6.5-9.5
RNS-TP-02-3.5	0.5-3.5	RNS-TP-13-3.	0.5-3.5	RNS-TP-23-12.	9.5-12.5
RNS-TP-02-5.5	4.5-5.5	RNS-TP-13-6.	3.5-6.5	RNS-TP-24-0.5	0.5
RNS-TP-02-6.5	3.5-6.5	RNS-TP-14-0.	0.5	RNS-TP-24-3.5	0.5-3.5
RNS-TP-04-0.5	0.5	RNS-TP-14-3.	0.5-3.5	RNS-TP-25-0.5	0.5
RNS-TP-04-3.5	0.5-3.5	RNS-TP-14-6.	3.5-6.5	RNS-TP-25-3.5	0.5-3.5
RNS-TP-04-5.5	4.5-5.5	RNS-TP-15-0.	0.5	RNS-TP-26-0.5	0.5
RNS-TP-04-6.5	3.5-6.5	RNS-TP-15-3.	0.5-3.5	RNS-TP-26-3.5	0.5-3.5
RNS-TP-05-0.5	0.5	RNS-TP-15-4.	3.5-4.5	RNS-TP-26-6.5	3.5-6.5
RNS-TP-05-2.5	1.5-2.5	RNS-TP-16-0.	0.5	RNS-TP-27-0.5	0.5
RNS-TP-05-3.5	0.5-3.5	RNS-TP-16-3.	0.5-3.5	RNS-TP-27-3.5	0.5-3.5
RNS-TP-06-0.5	0.5	RNS-TP-16-6.	3.5-6.5	RNS-TP-27-6.5	3.5-6.5
RNS-TP-06-2.5	1.5-2.5	RNS-TP-17-0.	0.5	RNS-TP-28-0.5	0.5
RNS-TP-06-3.5	0.5-3.5	RNS-TP-17-3.	0.5-3.5	RNS-TP-29-0.5	0.5
RNS-TP-06-5.5	4.5-5.5	RNS-TP-17-6.	3.5-6.5	RNS-TP-29-3.5	0.5-3.5
RNS-TP-06-6.5	3.5-6.5	RNS-TP-18-0.	0.5	RNS-TP-29-4.5	3.5-4.5
RNS-TP-07-0.5	0.5	RNS-TP-18-3.	0.5-3.5		
RNS-TP-07-2.5	1.5-2.5	RNS-TP-18-6.	3.5-6.5		
RNS-TP-07-3.5	0.5-3.5	RNS-TP-18-7.	6.5-7.5		
RNS-TP-07-6.5	3.5-6.5	RNS-TP-19-0.	0.5		
RNS-TP-08-0.5	0.5	RNS-TP-19-3.	0.5-3.5		
RNS-TP-08-3.5	0.5-3.5	RNS-TP-19-6.	3.5-6.5		
RNS-TP-08-6.5	3.5-6.5	RNS-TP-20-0.	0.5		
RNS-TP-09-0.5	0.5	RNS-TP-20-3.	0.5-3.5		
RNS-TP-09-3.5	0.5-3.5	RNS-TP-20-6.	3.5-6.5		
RNS-TP-09-6.5	3.5-6.5	RNS-TP-21-0.	0.5		
RNS-TP-10-0.5	0.5	RNS-TP-21-3.	0.5-3.5		
RNS-TP-10-3.5	0.5-3.5	RNS-TP-21-6.	3.5-6.5		

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-01-0.5	TP-01-3.5	TP-01-6.5	TP-02-0.5	TP-02-3.5	TP-02-6.5	TP-03-6.5	TP-04-0.5	TP-04-3.5	TP-04-6 5
Remarks									Dup. of TP-02-6.5			
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Chloromethane	10	10										
Bromomethane	10	10										
Vinyl Chloride	10	10										
Chloroethane	10	10										
Methylene Chloride	5 0	5.0	20 U	8 U	28 U	10 U	10 U	7 U	10 U	8.0 U	8 U	10 U
Acetone	10	10							10 U		200	57
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	3 J				6 J					
2-Butanone	10	10									18 J	16
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		5 J	37							
1,2-Dichloropropane	5.0	5.0	32	21	56		73	21				
trans-1,3-Dichloropropene	5.0	5.0										
Trichloroethene	5.0	5.0			34							
Dibromochloromethane	5.0	5.0										
1,1,2-Trichloroethane	5.0	5.0										

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-01-0.5	TP-01-3.5	TP-01-6.5	TP-02-0.5	TP-02-3.5	TP-02-6.5	TP-03-6.5	TP-04-0.5	TP-04-3.5	TP-04-6.5
Remarks									Dup. of TP-02-6.5			
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0										20
cis-1,3-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		7	490							
Toluene	5.0	5.0										35 J
Chlorobenzene	5.0	5.0										
Ethylbenzene	5.0	5.0										48
Styrene	5.0	5.0										
Xylene (total)	5.0	5.0										13
Quantitation Limit Multiplier			1.15	1.08	4.25	1.2	1 18	1.25	1.3	1 2	1.3	1.1
Date Sample Received by Laboratory			05/08/90	05/08/90	05/08/90	06/05/90	05/08/90	05/08/90	06/05/90	06/05/90	06/07/90	06/05/90
Date of Sample Analysis			05/18/90	05/18/90	05/18/90	06/06/90	05/18/90	05/18/90	06/06/90	06/09/90	06/13/90	06/09/90
Instrument Used for Analysis			V1	V1	V1	MS-V1	V1	V1	MS-V1	MS-V1	MS-V1	MS-V1

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-	TP-01-0.5	TP-01-3.5	TP-01-6.5	TP-02-0.5	TP-02-3.5	TP-02-6.5	TP-03-6.5	TP-04-0.5	TP-04-3.5	TP-04-6.5
Remarks							Dup. of TP-02-6.5			
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concentrations										
VOLATILE COMPONENTS	-	-	-	-	-	-	-	-	-	
Heptane, 2-methyl-										
Heptane, 3-methyl-										
Ethyl methyl benzene isomer										13 J
Benzene, propyl-										
Pentane, 2,3-dimethyl-										19 J
Alkene										
Alkane										

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-01-0.5	TP-01-3.5	TP-01-6.5	TP-02-0.5	TP-02-3.5	TP-02-6.5	TP-03-6.5	TP-04-0.5	TP-04-3.5	TP-04-6.5
Remarks									Dup. of TP-02-6.5			
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Phenol	10	330	R									
bis(2-Chloroethyl)Ether	10	330	R									
2-Chlorophenol	10	330	R									
1,3-Dichlorobenzene	10	330	R									
1,4-Dichlorobenzene	10	330	R									
Benzyl Alcohol	10	330	R									
1,2-Dichlorobenzene	10	330	R		120 J							
2-Methylphenol	10	330	R									
bis(2-Chloroisopropyl)Ether	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									
Benzoic Acid	50	1650	R									
bis(2-Chloroethoxy)Methane	10	330	R									
2,4-Dichlorophenol	10	330	R									
1,2,4-Trichlorobenzene	10	330	R									
Naphthalene	10	330	R									
4-Chloroaniline	10	330	R									
Hexachlorobutadiene	10	330	R									

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-01-0.5	TP-01-3.5	TP-01-6.5	TP-02-0.5	TP-02-3.5	TP-02-6.5	TP-03-6.5	TP-04-0.5	TP-04-3.5	TP-04-6.5
Remarks									Dup. of TP-02-6.5			
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330	R									
2-Methylnaphthalene	10	330	R									
Hexachlorocyclopentadiene	10	330	R									
2,4,6-Trichlorophenol	10	330	R									
2,4,5-Trichlorophenol	50	1650	R									
2-Chloronaphthalene	10	330	R									
2-Nitroaniline	50	1650	R									
Dimethyl Phthalate	10	330	R									
Acenaphthylene	10	330	R									
3-Nitroaniline	50	1650	R									
Acenaphthene	10	330	R									
2,4-Dinitrophenol	50	1650	R									
4-Nitrophenol	50	1650	R									
Dibenzofuran	10	330	R									
2,4-Dinitrotoluene	10	330	R									
2,6-Dinitrotoluene	10	330	R									
Diethylphthalate	10	330	R									
4-Chlorophenyl-phenylether	10	330	R									
Fluorene	10	330	R									
4-Nitroaniline	50	1650	R									
4,6-Dinitro-2-Methylphenol	50	1650	R									
N-Nitrosodiphenylamine	10	330	R									
4-Bromophenyl-phenylether	10	330	R									
Hexachlorobenzene	10	330	89 J		310 J							
Pentachlorophenol	10	330	R									

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-01-0.5	TP-01-3.5	TP-01-6.5	TP-02-0.5	TP-02-3.5	TP-02-6 5	TP-03-6.5	TP-04-0.5	TP-04-3 5	TP-04-6.5
Remarks									Dup. of TP-02-6.5			
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330	R									
Anthracene	10	330	R									
Di-n-Butylphthalate	10	330	R									
Fluoranthene	10	330	R									
Pyrene	10	330	R									
Butylbenzylphthalate	10	330	R									
3,3'-Dichlorobenzidine	20	660	R									
Benzo(a)Anthracene	10	330	R									
Chrysene	10	330	R									
bis(2-Ethylhexyl)Phthalate	10	330	370 U		390 U			400 U	6370 U	360 U	390 U	370 U
Di-n-Octyl Phthalate	10	330	R									
Benzo(b)Fluoranthene	10	330	R									
Benzo(k)Fluoranthene	10	330	R									
Benzo(a)Pyrene	10	330	R									
Indeno(1,2,3-cd)Pyrene	10	330	R									
Dibenzo(a,h)Anthracene	10	330	R									
Benzo(g,h,i)Perylene	10	330	R									
Diphenyl Sulfone	10	330	67 J									UL
3,4-Dichloronitrobenzene	10	330	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier			1.14	1.12	1.18	1.20	1.15	1.21	1.12	1.11	1.21	1.12
Date Sample Received by Laboratory			05/08/90	05/08/90	05/08/90	05/08/90	05/08/90	05/08/90	05/08/90	05/08/90	05/08/90	05/08/90
Date Sample Extracted			05/30/90	05/14/90	05/14/90	05/14/90	05/14/90	05/14/90	05/14/90	05/14/90	05/14/90	05/14/90
Date of Sample Analysis			06/14/90	05/29/90	05/29/90	05/29/90	05/29/90	05/29/90	05/30/90	05/30/90	05/30/90	05/30/90
Instrument Used for Analysis			GCMSS4	GCMSS5	GCMSS5	GCMSS5	GCMSS5	GCMSS5	GCMSS5	GCMSS5	GCMSS5	GCMSS5

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-01-0.5	TP-01-3.5	TP-01-6.5	TP-02-0.5	TP-02-3.5	TP-02-6.5	TP-03-6.5	TP-04-0.5	TP-04-3.5	TP-04-6.5
Remarks									Dup. of TP-02-6.5			
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
alpha-BHC	0.05	8.0		R		R		UL				
beta-BHC	0.05	8.0		R		R		UL				
delta-BHC	0.05	8.0		R	R	R		UL				
Lindane	0.05	8.0		R		R		UL				UL
Heptachlor	0.05	8.0		R		R		UL				UL
Aldrin	0.05	8.0		R		R		UL				UL
Heptachlor epoxide	0.05	8.0						UL				
Endosulfan I	0.05	8 0						UL				
Dieldrin	0.10	16.0						UL				
4,4'-DDE	0.10	16 0						UL				
Endrin	0.10	16 0		R				UL				
Endosulfan II	0 10	16 0						UL				
4,4'-DDD	0.10	16.0						UL				
Endosulfan sulfate	0.10	16 0	R	R	R	UL		UL				
4,4'-DDT	0.10	16.0	UL		UL			UL				
Methoxychlor	0.50	80	UL					UL				
Endrin ketone	0.10	16.0	UL					UL				
alpha-Chlordane	0.10	80				R	R	UL				
gamma-Chlordane	0.10	80						UL				
Toxaphene	1.0	160.0						UL				

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-01-0.5	TP-01-3.5	TP-01-6.5	TP-02-0.5	TP-02-3.5	TP-02-6.5	TP-03-6.5	TP-04-0.5	TP-04-3.5	TP-04-6.5
Remarks									Dup. of TP-02-6.5			
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Aroclor-1016	0.5	80						UL				
Aroclor-1221	0.5	80						UL				
Aroclor-1232	0.5	80						UL				
Aroclor-1242	0.5	80						UL				
Aroclor-1248	0.5	80						UL				
Aroclor-1254	0.5	160						UL				
Aroclor-1260	0.5	160						UL				
Quantitation Limit Multiplier			1 21	1.11	1.19	1.19	1 14	1.19	1.12	1.11	1.23	1.12
Date Sample Received By Laboratory			5/8/90	5/8/90	5/8/90	5/8/90	5/8/90	5/8/90	5/8/90	5/8/90	5/8/90	5/8/90
Date Sample Extracted			05/16/90	05/16/90	05/16/90	05/16/90	05/16/90	05/16/90	05/16/90	05/16/90	05/16/90	05/16/90
Date of Sample Analysis			06/21/90	06/21/90	06/21/90	06/21/90	06/21/90	06/21/90	06/21/90	06/21/90	06/21/90	06/21/90
Instrument Used for Analysis			24	24	24	24	24	24	24	24	24	24

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-01-0.5	TP-01-3.5	TP-01-6.5	TP-02-0.5	TP-02-3 5	TP-02-6.5	TP-03-6.5	TP-04-0.5	TP-04-3.5	TP-04-6.5
Remarks									*Dup. of* TP-02-6.5			
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aqu)	Reporting Limit (Sol)										
Kepone	0.132	68.0	*	*		**				**		R
Photomirex	0.0474	20.4	559 J**	*	*	105 J**	4.42 J	0.279 J		**		6.27 J
Mirex	0.00544	18.5	42400 J**	5820**	2710**	3620**	151	10.2 J	6 02 J	69.3 J**	258 J**	196**
Reporting Limit Multiplier			1.20/240	1.12/110	1.18/60	60	1.16	1.19	1.10	55	60	1 15/2.30
Date Sample Received by Laboratory			05/08/90	05/08/90	05/08/90	05/08/90	05/08/90	05/08/90	05/08/90	05/08/90	05/08/90	05/08/90
Date Sample Extracted			05/16/90	05/16/90	05/16/90	05/16/90	05/16/90	05/16/90	05/16/90	05/16/90	05/16/90	05/16/90
Date of Sample Analysis			07/13/90 & 08/03/90	07/13/90 & 08/03/90	07/13/90 & 08/02/90	08/02/90	08/02/90	08/02/90	08/02/90	08/02/90	08/02/90	08/02/90 & 08/03/90
Instrument Used for Analysis			GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-04-6.5MS	TP-04-6.5MSD	TP-05-0.5	TP-05-3.5	TP-06-0.5	TP-41-0.5	TP-06-3.5	TP-06-6 5	TP-06-100
Remarks			Matrix Spike	Matrix Spike				Duplicate of TP-06-0.5			Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)	Dup. of TP-04-6.5	Dup. of TP-04-6.5							
Chloromethane	10	10									
Bromomethane	10	10									
Vinyl Chloride	10	10									
Chloroethane	10	10									
Methylene Chloride	5.0	5.0	6.0 U	6 0 U	11 U	6.0 U	6.0 U		6.0 U	6.0 U	3 J
Acetone	10	10	43 J	47	12 U	34					
Carbon Disulfide	5.0	5.0									
1,1-Dichloroethene	5.0	5.0	S	S							
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						1.0 J			
1,2-Dichloropropane	5.0	5.0									
trans-1,3-Dichloropropene	5.0	5.0									
Trichloroethene	5.0	5.0	S	S							
Dibromochloromethane	5.0	5.0									
1,1,2-Trichloroethane	5.0	5.0									

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-04-6.5MS	TP-04-6.5MSD	TP-05-0.5	TP-05-3.5	TP-06-0.5	TP-41-0.5	TP-06-3.5	TP-06-6.5	TP-06-100
Remarks			Matrix Spike	Matrix Spike				Duplicate of TP-06-0.5			Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
Benzene	5.0	5.0	S	S							
cis-1,3-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	S	S							
Chlorobenzene	5.0	5.0	S	S		2 0 J					
Ethylbenzene	5 0	5.0	39	25							
Styrene	5.0	5 0									
Xylene (total)	5.0	5 0	12	8 0							
Quantitation Limit Multiplier			1.3	1.3	1.2	1.2	1 2	1.3	1.2	1.2	1.00
Date Sample Received by Laboratory			06/05/90	06/05/90	06/05/90	06/05/90	06/05/90	06/05/90	06/05/90	06/05/90	05/09/90
Date of Sample Analysis			06/10/90	06/11/90	06/06/90	06/08/90	06/07/90	06/12/90	06/07/90	06/07/90	05/17/90
Instrument Used for Analysis			MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	V4

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-	TP-04-6.5MS	TP-04-6.5MSD	TP-05-0.5	TP-05-3.5	TP-06-0.5	TP-41-0.5	TP-06-3.5	TP-06-6.5	TP-06-100
Remarks	Matrix Spike	Matrix Spike				Duplicate of TP-06-0.5			Field Blank
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent									
VOLATILE COMPONENTS	NA	NA	-	-	-	-	-	-	-
Heptane, 2-methyl-									
Heptane, 3-methyl-									
Ethyl methyl benzene isomer									
Benzene, propyl-									
Pentane, 2,3-dimethyl-									
Alkene									
Alkane									

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-04-6.5MS	TP-04-6.5MSD	TP-05-0.5	TP-05-3.5	TP-06-0.5	TP-41-0.5	TP-06-3.5	TP-06-6.5	TP-06-100
Remarks			Matrix Spike	Matrix Spike				Duplicate of TP-06-0.5			Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Phenol	10	330	S	S							
bis(2-Chloroethyl)Ether	10	330	R	R							
2-Chlorophenol	10	330	S	S							
1,3-Dichlorobenzene	10	330	R	R							
1,4-Dichlorobenzene	10	330	S	S							
Benzyl Alcohol	10	330	R	R							
1,2-Dichlorobenzene	10	330	R	R							
2-Methylphenol	10	330	R	R							
bis(2-Chloroisopropyl)Ether	10	330	R	R							
4-Methylphenol	10	330	R	R							
N-Nitroso-Di-n-Propylamine	10	330	S	S							
Hexachloroethane	10	330	R	R							
Nitrobenzene	10	330	R	R							
Isophorone	10	330	R	R							
2-Nitrophenol	10	330	R	R							
2,4-Dimethylphenol	10	330	R	R							
Benzoic Acid	50	1650	R	R							
bis(2-Chloroethoxy)Methane	10	330	R	R							
2,4-Dichlorophenol	10	330	R	R							
1,2,4-Trichlorobenzene	10	330	S	S							
Naphthalene	10	330	R	R							
4-Chloroaniline	10	330	R	R							
Hexachlorobutadiene	10	330	R	R							

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-04-6.5MS	TP-04-6.5MSD	TP-05-0.5	TP-05-3.5	TP-06-0.5	TP-41-0.5	TP-06-3.5	TP-06-6.5	TP-06-100
Remarks			Matrix Spike	Matrix Spike				Duplicate of TP-06-0.5			Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
4-Chloro-3-Methylphenol	10	330	S	S							
2-Methylnaphthalene	10	330	R	R							
Hexachlorocyclopentadiene	10	330	R	R							
2,4,6-Trichlorophenol	10	330	R	R							
2,4,5-Trichlorophenol	50	1650	R	R							
2-Chloronaphthalene	10	330	R	R							
2-Nitroaniline	50	1650	R	R							
Dimethyl Phthalate	10	330	R	R							
Acenaphthylene	10	330	R	R							
3-Nitroaniline	50	1650	R	R							
Acenaphthene	10	330	S	S							
2,4-Dinitrophenol	50	1650	R	R							
4-Nitrophenol	50	1650	S	S							
Dibenzofuran	10	330	R	R							
2,4-Dinitrotoluene	10	330	S	S							
2,6-Dinitrotoluene	10	330	R	R							
Diethylphthalate	10	330	R	R							
4-Chlorophenyl-phenylether	10	330	R	R							
Fluorene	10	330	R	R							
4-Nitroaniline	50	1650	R	R							
4,6-Dinitro-2-Methylphenol	50	1650	R	R							
N-Nitrosodiphenylamine	10	330	R	R							
4-Bromophenyl-phenylether	10	330	R	R							
Hexachlorobenzene	10	330	R	R							
Pentachlorophenol	10	330	S	S							

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-04-6.5MS	TP-04-6.5MSD	TP-05-0.5	TP-05-3.5	TP-06-0.5	TP-41-0.5	TP-06-3.5	TP-06-6.5	TP-06-100
Remarks			Matrix Spike	Matrix Spike				Duplicate of TP-06-0.5			Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
Phenanthrene	10	330	R	R		46 J					
Anthracene	10	330	R	R							
Di-n-Butylphthalate	10	330	R	R							
Fluoranthene	10	330	R	R	41 J	110 J					
Pyrene	10	330	S	S		76 J					
Butylbenzylphthalate	10	330	R	R							
3,3'-Dichlorobenzidine	20	660	R	R							
Benzo(a)Anthracene	10	330	R	R		60 J					
Chrysene	10	330	R	R		71 J					
bis(2-Ethylhexyl)Phthalate	10	330	390 U	610 U	340 B	58 B	88 B	140 B		110 B	2 J
Di-n-Octyl Phthalate	10	330	R	R							
Benzo(b)Fluoranthene	10	330	R	R	42 J	120 J					
Benzo(k)Fluoranthene	10	330	R	R	42 J	120 J					
Benzo(a)Pyrene	10	330	R	R		57 J					
Indeno(1,2,3-cd)Pyrene	10	330	R	R							
Dibenzo(a,h)Anthracene	10	330	R	R							
Benzo(g,h,i)Perylene	10	330	R	R							
Diphenyl Sulfone	10	330	S	S							
3,4-Dichloronitrobenzene	10	330	NA	NA	NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier			1.19	1.23	1.10	1.24	1.21	1.16	1.15	1.13	1.00
Date Sample Received by Laboratory			05/08/90	05/08/90	05/09/90	05/09/90	05/09/90	05/09/90	05/09/90	05/09/90	05/09/90
Date Sample Extracted			06/06/90	06/06/90	05/14/90	05/14/90	05/14/90	05/14/90	05/14/90	05/14/90	05/10/90
Date of Sample Analysis			06/14/90	06/14/90	05/30/90	05/30/90	06/05/90	05/30/90	06/05/90	06/05/90	06/05/90
Instrument Used for Analysis			GCMSS4	GCMSS4	GCMSS5	GCMSS5	GCMSS5	GCMSS5	GCMSS5	GCMSS5	GCMSS5

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-04-6.5MS	TP-04-6.5MSD	TP-05-0.5	TP-05-3.5	TP-06-0.5	TP-41-0.5	TP-06-3.5	TP-06-6.5	TP-06-100
Remarks			Matrix Spike	Matrix Spike				Duplicate of TP-06-0.5			Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
alpha-BHC	0.05	8.0				R		UL	UL		
beta-BHC	0.05	8.0				R		UL	UL		
delta-BHC	0.05	8.0				R		UL	UL		
Lindane	0.05	8.0	S	S		R		UL	UL		
Heptachlor	0.05	8.0	S	S		R		UL	UL		
Aldrin	0.05	8.0	S	S		R		UL	UL		
Heptachlor epoxide	0.05	8 0				R		UL	UL		
Endosulfan I	0 05	8.0				R		UL	UL		
Dieldrin	0.10	16.0	S	S		R		UL	UL		
4,4'-DDE	0.10	16.0				R		UL	UL		
Endrin	0 10	16 0	S	S		R		UL	UL		
Endosulfan II	0.10	16.0				R		UL	UL		
4,4'-DDD	0.10	16.0				R		UL	UL		
Endosulfan sulfate	0.10	16.0				R		UL	UL		
4,4'-DDT	0.10	16.0	S	S		R		UL	UL		
Methoxychlor	0.50	80				R		UL	UL		
Endrin ketone	0.10	16.0				R		UL	UL		
alpha-Chlordane	0.10	80				R		UL	UL		
gamma-Chlordane	0.10	80				R		UL	UL		
Toxaphene	1.0	160.0				R		UL	UL		

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-04-6.5MS	TP-04-6.5MSD	TP-05-0.5	TP-05-3.5	TP-06-0.5	TP-41-0.5	TP-06-3.5	TP-06-6.5	TP-06-100
Remarks			Matrix Spike	Matrix Spike				Duplicate of TP-06-0.5			Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Aroclor-1016	0.5	80				R		UL	UL		
Aroclor-1221	0.5	80				R		UL	UL		
Aroclor-1232	0.5	80				R		UL	UL		
Aroclor-1242	0.5	80				R		UL	UL		
Aroclor-1248	0.5	80				R		UL	UL		
Aroclor-1254	0 5	160				R		UL	UL		
Aroclor-1260	0.5	160				R		UL	UL		
Quantitation Limit Multiplier			1.15	1.16	1.09	1.21	1.20	1.15	1.16	1.11	1.00
Date Sample Received By Laboratory			5/8/90	5/8/90	5/09/90	5/09/90	5/09/90	5/09/90	5/09/90	5/09/90	5/09/90
Date Sample Extracted			05/16/90	05/16/90	05/16/90	05/16/90	05/16/90	05/16/90	05/16/90	05/16/90	05/10/90
Date of Sample Analysis			06/21/90	06/21/90	06/20/90	06/21/90	06/21/90	06/21/90	06/21/90	06/21/90	06/21/90
Instrument Used for Analysis			24	24	24	24	24	24	24	24	24

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-04-6.5MS	TP-04-6.5MSD	TP-05-0.5	TP-05-3.5	TP-06-0.5	TP-41-0.5	TP-06-3.5	TP-06-6.5	TP-06-100
Remarks			Matrix Spike	Matrix Spike				Duplicate of TP-06-0.5			Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
COMPOUNDS	Reporting Limit (Aqu)	Reporting Limit (Sol)									
Kepone	0.132	68.0	S	S	74.5 U	82.3 U	80.3 U	78.4 U		75.5 U	0.132 U
Photomirex	0.0474	20.4	S	S	27.0	88.9 J**	6.66 J	4.85 J		22.6 U	0.0474 U
Mirex	0.00544	18.5	S	S	571**	1060 J**	147**	110	11.4 J	20.5 U	0.00544 U
Reporting Limit Multiplier			1.15	1.17	1.10/5.5	1.21/121	1.18/2 36	1.15	1.15	1.11	1.0
Date Sample Received by Laboratory			05/08/90	05/08/90	05/09/90	05/09/90	05/09/90	05/09/90	10/16/90	05/09/90	05/09/90
Date Sample Extracted			05/16/90	05/16/90	05/16/90	05/16/90	05/16/90	05/16/90	10/19/90	05/16/90	05/10/90
Date of Sample Analysis			08/11/90	08/11/90	07/19/90 & 08/02/90	07/19/90 & 08/02/90	07/19/90 & 08/02/90	07/19/90	10/31/90	07/19/90	06/16/90
Instrument Used for Analysis			GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS3	GCMSS2	GCMSS2

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-06-200	TP-07-0.5	TP-07-3.5	TP-07-6.5	TP-08-0.5	TP-08-3.5	TP-08-6.5	TP-09-0.5	TP-09-3.5	TP-09-6.5
Remarks			Trip Blank									
Units			ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Chloromethane	10	10										
Bromomethane	10	10										
Vinyl Chloride	10	10										
Chloroethane	10	10										
Methylene Chloride	5.0	5.0	4 J	6.0 U	16 U	14 U	7.0 U	12 U	8 U	6.0 U	380 U	630 U
Acetone	10	10				59			13 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										
Chloroform	5.0	5 0										
1,2-Dichloroethane	5.0	5.0				6.0 J						
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								59	2300	3500
1,2-Dichloropropane	5.0	5.0										
trans-1,3-Dichloropropene	5.0	5.0										
Trichloroethene	5.0	5.0									160	2200
Dibromochloromethane	5.0	5.0										
1,1,2-Trichloroethane	5.0	5.0										

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-06-200	TP-07-0.5	TP-07-3.5	TP-07-6.5	TP-08-0.5	TP-08-3.5	TP-08-6.5	TP-09-0.5	TP-09-3.5	TP-09-6.5
Remarks			Trip Blank									
Units			ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0										54 J
cis-1,3-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		6.0 J	12				130	24	4100	13,000 J
Toluene	5 0	5.0										
Chlorobenzene	5.0	5 0										33 J
Ethylbenzene	5.0	5.0										
Styrene	5.0	5.0										
Xylene (total)	5.0	5.0										
Quantitation Limit Multiplier			1.00	1.2	1.2	1.2	1.3	1.2	1.3	1.2	29	32
Date Sample Received by Laboratory			05/09/90	06/05/90	06/05/90	06/05/90	06/05/90	06/05/90	06/05/90	06/05/90	06/05/90	06/05/90
Date of Sample Analysis			05/17/90	06/07/90	06/09/90	06/09/90	06/09/90	06/09/90	06/08/90	06/08/90	06/15/90	06/15/90
Instrument Used for Analysis			V4	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-	TP-06-200	TP-07-0.5	TP-07-3.5	TP-07-6.5	TP-08-0.5	TP-08-3.5	TP-08-6.5	TP-09-0.5	TP-09-3.5	TP-09-6.5
Remarks	Trip Blank									
Units	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent										
VOLATILE COMPONENTS	-	-	-	-	-	-	-	-	-	-
Heptane, 2-methyl-										
Heptane, 3-methyl-										
Ethyl methyl benzene isomer										
Benzene, propyl-										
Pentane, 2,3-dimethyl-										
Alkene										
Alkane										

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-06-200	TP-07-0.5	TP-07-3.5	TP-07-6.5	TP-08-0.5	TP-08-3.5	TP-08-6 5	TP-09-0.5	TP-09-3.5	TP-09-6.5
Remarks			Trip Blank									
Units			ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Phenol	10	330	NA									
bis(2-Chloroethyl)Ether	10	330	NA									
2-Chlorophenol	10	330	NA									
1,3-Dichlorobenzene	10	330	NA									
1,4-Dichlorobenzene	10	330	NA									
Benzyl Alcohol	10	330	NA									
1,2-Dichlorobenzene	10	330	NA			100 J						
2-Methylphenol	10	330	NA									
bis(2-Chloroisopropyl)Ether	10	330	NA									
4-Methylphenol	10	330	NA									
N-Nitroso-Di-n-Propylamine	10	330	NA									
Hexachloroethane	10	330	NA									
Nitrobenzene	10	330	NA									
Isophorone	10	330	NA									
2-Nitrophenol	10	330	NA									
2,4-Dimethylphenol	10	330	NA									
Benzoic Acid	50	1650	NA									
bis(2-Chloroethoxy)Methane	10	330	NA									
2,4-Dichlorophenol	10	330	NA									
1,2,4-Trichlorobenzene	10	330	NA									
Naphthalene	10	330	NA									
4-Chloroaniline	10	330	NA									
Hexachlorobutadiene	10	330	NA									

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-06-200	TP-07-0.5	TP-07-3.5	TP-07-6.5	TP-08-0.5	TP-08-3.5	TP-08-6.5	TP-09-0.5	TP-09-3.5	TP-09-6.5
Remarks			Trip Blank									
Units			ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330	NA									
2-Methylnaphthalene	10	330	NA									
Hexachlorocyclopentadiene	10	330	NA									
2,4,6-Trichlorophenol	10	330	NA									
2,4,5-Trichlorophenol	50	1650	NA									
2-Chloronaphthalene	10	330	NA									
2-Nitroaniline	50	1650	NA									
Dimethyl Phthalate	10	330	NA									
Acenaphthylene	10	330	NA									
3-Nitroaniline	50	1650	NA									
Acenaphthene	10	330	NA									
2,4-Dinitrophenol	50	1650	NA									
4-Nitrophenol	50	1650	NA									
Dibenzofuran	10	330	NA									
2,4-Dinitrotoluene	10	330	NA									
2,6-Dinitrotoluene	10	330	NA									
Diethylphthalate	10	330	NA				70 J	57 J		60 J		
4-Chlorophenyl-phenylether	10	330	NA									
Fluorene	10	330	NA									
4-Nitroaniline	50	1650	NA									
4,6-Dinitro-2-Methylphenol	50	1650	NA									
N-Nitrosodiphenylamine	10	330	NA				81 J	68 J		74 J		
4-Bromophenyl-phenylether	10	330	NA									
Hexachlorobenzene	10	330	NA	1600			68 J					
Pentachlorophenol	10	330	NA									

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-06-200	TP-07-0.5	TP-07-3.5	TP-07-6.5	TP-08-0.5	TP-08-3.5	TP-08-6.5	TP-09-0.5	TP-09-3.5	TP-09-6.5
Remarks			Trip Blank									
Units			ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330	NA									
Anthracene	10	330	NA									
Di-n-Butylphthalate	10	330	NA							41 J		
Fluoranthene	10	330	NA									
Pyrene	10	330	NA									
Butylbenzylphthalate	10	330	NA									
3,3'-Dichlorobenzidine	20	660	NA									
Benzo(a)Anthracene	10	330	NA									
Chrysene	10	330	NA									
bis(2-Ethylhexyl)Phthalate	10	330	NA			480 B	99 J			88 J		
Di-n-Octyl Phthalate	10	330	NA									
Benzo(b)Fluoranthene	10	330	NA									
Benzo(k)Fluoranthene	10	330	NA									
Benzo(a)Pyrene	10	330	NA									
Indeno(1,2,3-cd)Pyrene	10	330	NA									
Dibenzo(a,h)Anthracene	10	330	NA									
Benzo(g,h,i)Perylene	10	330	NA									
Diphenyl Sulfone	10	330	NA		93 J	770						450
3,4-Dichloronitrobenzene	10	330	NA	NA	NA	NA	NA	NA		NA		
Quantitation Limit Multiplier			NA	2.26	1.16	1.25	1.34	1.19	1.12	1.22	1 10	1.08
Date Sample Received by Laboratory			NA	05/09/90	05/09/90	05/09/90	05/15/90	05/15/90	07/24/90	05/15/90	07/24/90	07/24/90
Date Sample Extracted			NA	05/14/90	05/14/90	05/14/90	05/17/90	05/17/90	07/26/90	05/17/90	07/26/90	07/26/90
Date of Sample Analysis			NA	06/05/90	06/06/90	06/06/90	06/16/90	06/16/90	08/11/90	06/18/90	08/11/90	08/11/90
Instrument Used for Analysis			NA	GCMSS5	GCMSS5	GCMSS5	GCMSS1	GCMSS1	GCMSS6	GCMSS1	GCMSS6	GCMSS6

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-06-200	TP-07-0.5	TP-07-3.5	TP-07-6.5	TP-08-0 5	TP-08-3.5	TP-08-6 5	TP-09-0.5	TP-09-3.5	TP-09-6.5
Remarks			Trip Blank									
Units			ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
alpha-BHC	0.05	8.0	NA				UL				UL	UL
beta-BHC	0.05	8.0	NA				UL					
delta-BHC	0.05	8.0	NA									
Lindane	0.05	8 0	NA									
Heptachlor	0 05	8 0	NA									
Aldrin	0 05	8 0	NA									
Heptachlor epoxide	0 05	8.0	NA									
Endosulfan I	0 05	8 0	NA									
Dieldrin	0 10	16.0	NA									
4,4'-DDE	0.10	16.0	NA									
Endrin	0 10	16.0	NA									
Endosulfan II	0.10	16.0	NA									
4,4'-DDD	0 10	16 0	NA									
Endosulfan sulfate	0.10	16 0	NA									
4,4'-DDT	0.10	16.0	NA									
Methoxychlor	0.50	80	NA									
Endrin ketone	0 10	16 0	NA									
alpha-Chlordane	0.10	80	NA									
gamma-Chlordane	0.10	80	NA									
Toxaphene	1.0	160.0	NA									

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-06-200	TP-07-0.5	TP-07-3.5	TP-07-6.5	TP-08-0.5	TP-08-3.5	TP-08-6.5	TP-09-0.5	TP-09-3.5	TP-09-6.5
Remarks			Trip Blank									
Units			ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Aroclor-1016	0.5	80	NA									
Aroclor-1221	0.5	80	NA									
Aroclor-1232	0.5	80	NA									
Aroclor-1242	0.5	80	NA									
Aroclor-1248	0.5	80	NA									
Aroclor-1254	0.5	160	NA									
Aroclor-1260	0.5	160	NA									
Quantitation Limit Multiplier			NA	1.13	1.15	1 28	6.88	5.94	6 06	6 00	5.75	6 00
Date Sample Received By Laboratory			NA	5/09/90	5/09/90	5/09/90	5/15/90	5/15/90	5/15/90	5/15/90	5/15/90	5/15/90
Date Sample Extracted			NA	05/16/90	05/16/90	05/16/90	05/17/90	05/17/90	05/17/90	05/17/90	05/17/90	05/17/90
Date of Sample Analysis			NA	06/21/90	06/21/90	06/21/90	06/26/90	06/26/90	06/26/90	06/26/90	06/26/90	06/26/90
Instrument Used for Analysis			NA	24	24	24	17	17	17	17	17	17

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-06-200	TP-07-0.5	TP-07-3.5	TP-07-6.5	TP-08-0.5	TP-08-3.5	TP-08-6.5	TP-09-0.5	TP-09-3.5	TP-09-6.5
Remarks			Trip Blank									
Units			ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aqu)	Reporting Limit (Sol)										
Kepone	0.132	68 0	NA	*	78.5 U	85.8 U	*	*				
Photomirex	0.0474	20.4	NA	*	*		55.0 J**	*				
Mirex	0.00544	18.5	NA	40800**	6250**	9.34 J	7870**	2940 J**	236**	67 6		3.13 J
Reporting Limit Multiplier			NA	1 13/230	1.15/346	1.26	1.37/411	1.19/237	1.21/121	1.19	1 18	1.20
Date Sample Received by Laboratory			NA	05/09/90	05/09/90	05/09/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90
Date Sample Extracted			NA	05/16/90	05/16/90	05/16/90	05/21/90	05/21/90	05/21/90	05/21/90	05/21/90	05/21/90
Date of Sample Analysis			NA	07/19/90 & 08/02/90	07/19/90 & 08/03/90	08/03/90	08/03/90 & 08/06/90	08/03/90 & 08/06/90	08/03/90 & 08/06/90	08/04/90	08/04/90	08/04/90
Instrument Used for Analysis			NA	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2

ERM-Midwest Sample Number RNS-			TP-10-0.5	TP-41-0.5	TP-10-3.5
Remarks				Duplicate of TP-10-0.5	
Units			ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)			
Chloromethane	10	10			
Bromomethane	10	10			
Vinyl Chloride	10	10			
Chloroethane	10	10			
Methylene Chloride	5.0	5.0	52 U	16 U	29 U
Acetone	10	10	190 J	49 J	150
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	250 J	97 J	350
Chloroform	5.0	5.0			
1,2-Dichloroethane	5.0	5.0	11 J	5.0 J	10 J
2-Butanone	10	10	13 J	4.0 J	14 J
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	530 J	130 J	810
1,2-Dichloropropane	5.0	5.0			
trans-1,3-Dichloropropene	5.0	5.0			
Trichloroethene	5.0	5.0	190 J	97 J	280
Dibromochloromethane	5.0	5.0			
1,1,2-Trichloroethane	5.0	5.0	36 J	14 J	77

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-10-0.5	TP-41-0.5	TP-10-3.5
Remarks				Duplicate of TP-10-0.5	
Units			ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0	15 J	7.0 J	12 J
cis-1,3-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	210 J	130 J	330
Toluene	5.0	5.0	11 J	4.0 J	6.0 J
Chlorobenzene	5 0	5 0	7.0 J	3.0 J	14 J
Ethylbenzene	5.0	5.0			
Styrene	5.0	5.0			
Xylene (total)	5.0	5.0			
Quantitation Limit Multiplier			5.4	1.3	4.8
Date Sample Received by Laboratory			06/05/90	06/05/90	06/05/90
Date of Sample Analysis			06/09/90	06/12/90	06/09/90
Instrument Used for Analysis			MS-V1	MS-V1	MS-V1

ERM-Midwest Sample Number RNS-	TP-10-0.5	TP-41-0.5	TP-10-3.5
Remarks		Duplicate of TP-10-0.5	
Units	ug/kg	ug/kg	ug/kg
TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent			
VOLATILE COMPONENTS	-	-	-
Heptane, 2-methyl-			
Heptane, 3-methyl-			
Ethyl methyl benzene isomer			
Benzene, propyl-			
Pentane, 2,3-dimethyl-			
Alkene			
Alkane			

ERM-Midwest Sample Number		RNS-	TP-10-0.5	TP-41-0.5	TP-10-3.5
Remarks				Duplicate of TP-10-0.5	
Units			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			
Benzyl Alcohol	10	330			
1,2-Dichlorobenzene	10	330			
2-Methylphenol	10	330			
bis(2-Chloroisopropyl)Ether	10	330			
4-Methylphenol	10	330	83 J		
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			
Benzoic Acid	50	1650			
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			

ERM-Midwest Sample Number		RNS-	TP-10-0.5	TP-41-0.5	TP-10-3.5
Remarks				Duplicate of TP-10-0.5	
Units			ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330			
2-Methylnaphthalene	10	330			
Hexachlorocyclopentadiene	10	330			
2,4,6-Trichlorophenol	10	330			
2,4,5-Trichlorophenol	50	1650			
2-Chloronaphthalene	10	330			
2-Nitroaniline	50	1650			
Dimethyl Phthalate	10	330			
Acenaphthylene	10	330			
3-Nitroaniline	50	1650			
Acenaphthene	10	330			
2,4-Dinitrophenol	50	1650			
4-Nitrophenol	50	1650			
Dibenzofuran	10	330			
2,4-Dinitrotoluene	10	330			
2,6-Dinitrotoluene	10	330			
Diethylphthalate	10	330			
4-Chlorophenyl-phenylether	10	330			
Fluorene	10	330			
4-Nitroaniline	50	1650			
4,6-Dinitro-2-Methylphenol	50	1650			
N-Nitrosodiphenylamine	10	330			
4-Bromophenyl-phenylether	10	330			
Hexachlorobenzene	10	330		280 J	39 J
Pentachlorophenol	10	330		360 J	8600 J

ERM-Midwest Sample Number		RNS-	TP-10-0.5	TP-41-0.5	TP-10-3.5
Remarks				Duplicate of TP-10-0.5	
Units			ug/kg	ug/kg	ug/kg
Phenanthrene	10	330			63 J
Anthracene	10	330			
Di-n-Butylphthalate	10	330			
Fluoranthene	10	330			
Pyrene	10	330			
Butylbenzylphthalate	10	330			
3,3'-Dichlorobenzidine	20	660			
Benzo(a)Anthracene	10	330			
Chrysene	10	330			
bis(2-Ethylhexyl)Phthalate	10	330	43 J		
Di-n-Octyl Phthalate	10	330			
Benzo(b)Fluoranthene	10	330			
Benzo(k)Fluoranthene	10	330			
Benzo(a)Pyrene	10	330			
Indeno(1,2,3-cd)Pyrene	10	330			
Dibenzo(a,h)Anthracene	10	330			
Benzo(g,h,i)Perylene	10	330			
Diphenyl Sulfone	10	330	2800	2000	2200
3,4-Dichloronitrobenzene	10	330	NA		
Quantitation Limit Multiplier			1.22	1.15	1.15
Date Sample Received by Laboratory			05/15/90	07/24/90	07/24/90
Date Sample Extracted			05/17/90	07/26/90	07/26/90
Date of Sample Analysis			06/17/90	08/11/90	08/11/90
Instrument Used for Analysis			GCMSS1	GCMSS6	GCMSS6

ERM-Midwest Sample Number		RNS-	TP-10-0.5	TP-41-0.5	TP-10-3.5
Remarks				Duplicate of TP-10-0.5	
Units			ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)			
alpha-BHC	0.05	8.0			UL
beta-BHC	0.05	8.0			
delta-BHC	0.05	8.0			
Lindane	0 05	8.0			UL
Heptachlor	0.05	8.0			
Aldrin	0 05	8.0			
Heptachlor epoxide	0.05	8 0			
Endosulfan I	0.05	8.0			
Dieldrin	0 10	16.0			
4,4'-DDE	0.10	16.0			
Endrin	0.10	16 0			
Endosulfan II	0.10	16 0			
4,4'-DDD	0.10	16.0			
Endosulfan sulfate	0.10	16.0			
4,4'-DDT	0 10	16.0			
Methoxychlor	0.50	80			
Endrin ketone	0.10	16.0			
alpha-Chlordane	0.10	80			
gamma-Chlordane	0.10	80			
Toxaphene	1.0	160.0			

ERM-Midwest Sample Number RNS-			TP-10-0.5	TP-41-0.5	TP-10-3.5
Remarks				Duplicate of TP-10-0.5	
Units			ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)			
Aroclor-1016	0.5	80			
Aroclor-1221	0.5	80			
Aroclor-1232	0.5	80			
Aroclor-1242	0.5	80			
Aroclor-1248	0.5	80			
Aroclor-1254	0.5	160			
Aroclor-1260	0 5	160			
Quantitation Limit Multiplier			60.0	6.19	5 69
Date Sample Received By Laboratory			5/15/90	5/15/90	5/15/90
Date Sample Extracted			05/17/90	05/17/90	05/17/90
Date of Sample Analysis			06/27/90	06/26/90	06/26/90
Instrument Used for Analysis			17	17	17

ERM-Midwest Sample Number RNS-			TP-10-0.5	TP-41-0.5	TP-10-3.5
Remarks				Duplicate of TP-10-0.5	
Units			ug/kg	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aqu)	Reporting Limit (Sol)			
Kepone	0.132	68.0	*	R**	R**
Photomirex	0.0474	20.4		**	**
Mirex	0.00544	18.5	10,700 J**	4650 J**	6010 J**
Reporting Limit Multiplier			1.20/600	367	342
Date Sample Received by Laboratory			05/15/90	05/15/90	05/15/90
Date Sample Extracted			05/21/90	05/21/90	05/21/90
Date of Sample Analysis			08/04/90 & 08/06/90	08/04/90 & 08/06/90	08/06/90
Instrument Used for Analysis			GCMSS2	GCMSS2	GCMSS2

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-11-0.5	TP-11-3.5	TP-11-6.5	TP-12-0.5	TP-12-3.5	TP-12-6.5	TP-13-0.5	TP-13-3.5	TP-13-3.5-MS
Remarks											
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Chloromethane	10	10									
Bromomethane	10	10									
Vinyl Chloride	10	10									
Chloroethane	10	10									
Methylene Chloride	5.0	5.0	3 J	3 J	2 J	5.0 U		7 U	49 U	21 U	23 U
Acetone	10	10	12 U		12 U	22 U			29 U	12 U	12 U
Carbon Disulfide	5.0	5.0									
1,1-Dichloroethene	5.0	5.0									S
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	2 J		2 J	13			R		
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						3.0 J	15	3.0 J	3.0 J
1,2-Dichloropropane	5.0	5.0	5 J	6 J	3 J						
trans-1,3-Dichloropropene	5.0	5.0									
Trichloroethene	5.0	5.0					2 0 J	2.0 J			S
Dibromochloromethane	5.0	5.0									
1,1,2-Trichloroethane	5.0	5.0									

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-11-0.5	TP-11-3.5	TP-11-6.5	TP-12-0.5	TP-12-3.5	TP-12-6.5	TP-13-0.5	TP-13-3.5	TP-13-3.5-MS
Remarks											
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0									S
cis-1,3-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				8 0	3.0 J		33	2.0 J	1 0 J
Toluene	5.0	5.0				1.0 J					S
Chlorobenzene	5.0	5.0						2 0 J			S
Ethylbenzene	5 0	5 0									
Styrene	5.0	5.0									
Xylene (total)	5.0	5.0									
Quantitation Limit Multiplier			1.21	1 21	1.17	1.30	1.10	1.1	2.86	1.16	1 16
Date Sample Received by Laboratory			05/16/90	05/16/90	05/16/90	05/18/90	05/18/90	06/05/90	5/23/90	5/23/90	5/23/90
Date of Sample Analysis			05/26/90	05/26/90	05/27/90	05/27/90	05/27/90	06/09/90	6/2/90	6/2/90	6/2/90
Instrument Used for Analysis			V1	V1	V1	MS-V1	MS-V1	MS-V1	MS-HP-3	MS-HP-1	MS-HP-1
TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concentrations											
VOLATILE COMPONENTS			-	-	-	-	-	-	-	-	-
4-Octene, (Z)											

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-11-0.5	TP-11-3.5	TP-11-6.5	TP-12-0.5	TP-12-3.5	TP-12-6.5	TP-13-0.5	TP-13-3.5	TP-13-3.5-MS
Remarks											
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Phenol	10	330		UL		R					S
bis(2-Chloroethyl)Ether	10	330		UL		R					
2-Chlorophenol	10	330		UL		R					S
1,3-Dichlorobenzene	10	330		UL		R					
1,4-Dichlorobenzene	10	330		UL		R					S
Benzyl Alcohol	10	330		UL		R					
1,2-Dichlorobenzene	10	330		UL		R	47 J				
2-Methylphenol	10	330		UL		R					
bis(2-Chloroisopropyl)Ether	10	330		UL		R					
4-Methylphenol	10	330		UL		R					
N-Nitroso-Di-n-Propylamine	10	330		UL		R					S
Hexachloroethane	10	330		UL		R					
Nitrobenzene	10	330		UL		R					
Isophorone	10	330		UL		R					
2-Nitrophenol	10	330		UL		R					
2,4-Dimethylphenol	10	330		UL		R					
Benzoic Acid	50	1650		UL		R					
bis(2-Chloroethoxy)Methane	10	330		UL		R					
2,4-Dichlorophenol	10	330		UL		R					
1,2,4-Trichlorobenzene	10	330		UL		R					S
Naphthalene	10	330	47 J	42 J		R					
4-Chloroaniline	10	330		UL		R					
Hexachlorobutadiene	10	330		UL		R					

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-11-0.5	TP-11-3.5	TP-11-6.5	TP-12-0.5	TP-12-3.5	TP-12-6.5	TP-13-0.5	TP-13-3.5	TP-13-3.5-MS
Remarks											
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330		UL		R			38 J		S
2-Methylnaphthalene	10	330	85 J	44 J		R					
Hexachlorocyclopentadiene	10	330		UL	UL	R					
2,4,6-Trichlorophenol	10	330		UL	UL	R					
2,4,5-Trichlorophenol	50	1650		UL	UL	R					
2-Chloronaphthalene	10	330		UL	UL	R					
2-Nitroaniline	50	1650		UL	UL	R					
Dimethyl Phthalate	10	330		UL	UL	R					
Acenaphthylene	10	330		UL	UL	R					
3-Nitroaniline	50	1650		UL	UL	R					
Acenaphthene	10	330		UL	UL	R					S
2,4-Dinitrophenol	50	1650		UL	UL	R					
4-Nitrophenol	50	1650		UL	UL	R					S
Dibenzofuran	10	330		UL	UL	R					
2,4-Dinitrotoluene	10	330		UL	UL	R					S
2,6-Dinitrotoluene	10	330		UL	UL	R					
Diethylphthalate	10	330	55 J	UL	UL	410 U		390 U			
4-Chlorophenyl-phenylether	10	330		UL	UL	R					
Fluorene	10	330		UL	UL	R					
4-Nitroaniline	50	1650		UL	UL	R					
4,6-Dinitro-2-Methylphenol	50	1650		UL	UL	R					
N-Nitrosodiphenylamine	10	330	53 J	90 J	80 J	410 U	390 U	390 U			
4-Bromophenyl-phenylether	10	330		UL	UL	R					
Hexachlorobenzene	10	330	42 J	160 J	UL	R			580 J	1800 J	2100 J
Pentachlorophenol	10	330		UL	UL	R					S

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-11-0.5	TP-11-3.5	TP-11-6.5	TP-12-0.5	TP-12-3.5	TP-12-6.5	TP-13-0.5	TP-13-3.5	TP-13-3.5-MS
Remarks											
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330	54 J	38 J	40 J	R					
Anthracene	10	330		UL	UL	R					
Di-n-Butylphthalate	10	330		UL	UL	1100 J					
Fluoranthene	10	330		UL	46 J	R					
Pyrene	10	330		UL		R					
Butylbenzylphthalate	10	330		UL		1300 J					
3,3'-Dichlorobenzidine	20	660		UL		R					
Benzo(a)Anthracene	10	330		UL		R					
Chrysene	10	330		UL		R					
bis(2-Ethylhexyl)Phthalate	10	330	76 J	120 J	120 J	410 U	390 U	390 U			
Di-n-Octyl Phthalate	10	330				R					
Benzo(b)Fluoranthene	10	330				R					
Benzo(k)Fluoranthene	10	330				R					
Benzo(a)Pyrene	10	330				R					
Indeno(1,2,3-cd)Pyrene	10	330				R					
Dibenzo(a,h)Anthracene	10	330				R					
Benzo(g,h,i)Perylene	10	330	38 J			R					
Diphenyl Sulfone	10	330	46 J	84 J	65 J	R	1500	2700	7000 J	490 J	S
3,4-Dichloronitrobenzene	10	330	NA	NA	NA	NA	NA	NA			S
Quantitation Limit Multiplier			1.13	1.13	1.14	1.24	1.18	1.18	1.10	2.31	2.31
Date Sample Received by Laboratory			05/16/90	05/16/90	05/16/90	05/18/90	05/18/90	05/18/90	07/26/90	07/26/90	07/26/90
Date Sample Extracted			05/22/90	05/22/90	05/22/90	06/20/90	05/26/90	05/26/90	07/31/90	07/31/90	07/31/90
Date of Sample Analysis			06/18/90	06/17/90	06/17/90	07/02/90	06/18/90	06/18/90	09/07/90	09/07/90	09/08/90
Instrument Used for Analysis			GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-11-0.5	TP-11-3.5	TP-11-6.5	TP-12-0.5	TP-12-3.5	TP-12-6.5	TP-13-0.5	TP-13-3.5	TP-13-3 5-MS
Remarks											
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
alpha-BHC	0.05	8 0	UL	UL	UL						
beta-BHC	0.05	8 0									
delta-BHC	0.05	8.0									
Lindane	0 05	8.0									S
Heptachlor	0.05	8.0									S
Aldrin	0.05	8.0									S
Heptachlor epoxide	0 05	8 0									
Endosulfan I	0.05	8.0									
Dieldrin	0.10	16.0									S
4,4'-DDE	0.10	16.0									
Endrin	0.10	16.0									S
Endosulfan II	0.10	16.0									
4,4'-DDD	0.10	16.0									
Endosulfan sulfate	0.10	16.0				R					
4,4'-DDT	0.10	16.0							R		S
Methoxychlor	0 50	80				R		R	R	R	
Endrin ketone	0.10	16.0									
alpha-Chlordane	0.10	80									
gamma-Chlordane	0.10	80									
Toxaphene	1.0	160.0									

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-11-0.5	TP-11-3.5	TP-11-6.5	TP-12-0.5	TP-12-3.5	TP-12-6.5	TP-13-0.5	TP-13-3.5	TP-13-3.5-MS
Remarks											
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Aroclor-1016	0.5	80									
Aroclor-1221	0.5	80									
Aroclor-1232	0.5	80									
Aroclor-1242	0.5	80									
Aroclor-1248	0.5	80									
Aroclor-1254	0.5	160									
Aroclor-1260	0.5	160									
Quantitation Limit Multiplier			0.50	0.56	0.53	1.20	1.20	1.22	12 7	1.23	1 19
Date Sample Received By Laboratory			5/16/90	5/16/90	5/16/90	10/18/90	10/18/90	10/19/90	10/18/90	10/18/90	10/18/90
Date Sample Extracted			05/25/90	05/25/90	05/25/90	10/24/90	10/24/90	10/24/90	10/24/90	10/24/90	10/24/90
Date of Sample Analysis			06/26/90	06/26/90	06/26/90	11/01/90	11/01/90	11/01/90	11/02/90	11/01/90	11/01/90
Instrument Used for Analysis			17	17	17						

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-11-0.5	TP-11-3.5	TP-11-6.5	TP-12-0.5	TP-12-3.5	TP-12-6.5	TP-13-0.5	TP-13-3.5	TP-13-3.5-MS
Remarks											
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aqu)	Reporting Limit (Sol)									
Kepone	0.132	68.0			R**	*			*	*	S
Photomirex	0.0474	20.4	22.0 J	*	R**	15.0 J	*		*	*	S
Mirex	0 00544	18 5	1230**	4440**	1470 J**	2300 J**	545 J**	36.9	2080000**	126000 J**	S
Reporting Limit Multiplier			1.12/56 1	1.14/114	118	1.25/125	1 17/58.5	1.16	1.18/29400	1.17/4680	1.17/4680
Date Sample Received by Laboratory			05/16/90	05/16/90	05/16/90	05/18/90	05/18/90	05/18/90	05/22/90	05/22/90	05/22/90
Date Sample Extracted			05/21/90	05/21/90	06/30/90	05/21/90	05/21/90	05/21/90	05/30/90	05/30/90	05/30/90
Date of Sample Analysis			08/03/90 & 08/04/90	08/03/90 & 08/04/90	08/03/90	08/03/90 & 08/04/90	08/03/90 & 08/04/90	08/03/90	08/09/90 & 08/14/90	08/09/90 & 08/14/90	08/11/90 & 08/14/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-13-3.5-MSD	TP-13-6.5	TP-13-103	TP-14-0.5	TP-47-0.5	TP-14-3.5	TP-14-6.5	TP-15-0.5	TP-44-0.5	TP-15-3.5
Remarks					Field Blank		Dup. of TP-14-0.5				Dup. of TP-15-0.5	
Units			ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Chloromethane	10	10			R							
Bromomethane	10	10			R							
Vinyl Chloride	10	10			R							
Chloroethane	10	10			R							
Methylene Chloride	5.0	5.0	22 U	22 U	R	13 U	3.0 U		42 U	6.0 U	6 0 U	
Acetone	10	10	12 U	12 U	R							13 J
Carbon Disulfide	5.0	5.0			R							
1,1-Dichloroethene	5.0	5.0	S		R							
1,1-Dichloroethane	5.0	5.0			R							
1,2-Dichloroethene (total)	5 0	5 0			R				190			
Chloroform	5 0	5.0			R				12 J			
1,2-Dichloroethane	5.0	5.0			R			8.0 J	150			
2-Butanone	10	10			R							
1,1,1-Trichloroethane	5 0	5 0			R							
Carbon Tetrachloride	5.0	5.0			R							
Vinyl Acetate	10	10			R							
Bromodichloromethane	5.0	5.0			R							
1,1,2,2-Tetrachloroethane	5.0	5.0	3 0 J	8.0 J	R			43	51			
1,2-Dichloropropane	5.0	5.0			R							
trans-1,3-Dichloropropene	5.0	5.0			R							
Trichloroethene	5.0	5.0	S	5.0 J	R		2 0 J	17 J	220			
Dibromochloromethane	5.0	5.0			R							
1,1,2-Trichloroethane	5.0	5.0		3.0 J	R				38			

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-13-3.5-MSD	TP-13-6.5	TP-13-103	TP-14-0.5	TP-47-0.5	TP-14-3.5	TP-14-6.5	TP-15-0.5	TP-44-0.5	TP-15-3.5
Remarks					Field Blank		Dup. of TP-14-0.5				Dup. of TP-15-0.5	
Units			ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0	S		R			8.0 J	290			
cis-1,3-Dichloropropene	5.0	5.0			R							
Bromoform	5.0	5.0			R							
2-Hexanone	10	10			R							
4-Methyl-2-Pentanone	10	10			R							
Tetrachloroethene	5.0	5.0	1.0 J	13	R				180			
Toluene	5.0	5 0	S		R				5.0 J			
Chlorobenzene	5.0	5 0	S		R		2 0 J	56	120			
Ethylbenzene	5 0	5.0			R							
Styrene	5.0	5.0			R							
Xylene (total)	5.0	5.0			R							
Quantitation Limit Multiplier			1.16	1 18	1.00	1 1	1 3	4.8	3.9	1 2	1.2	1 3
Date Sample Received by Laboratory			5/23/90	5/23/90	05/22/90	06/12/90	06/12/90	06/12/90	06/12/90	06/07/90	06/07/90	06/07/90
Date of Sample Analysis			6/2/90	6/2/90	07/16/90	06/15/90	06/15/90	06/15/90	06/15/90	06/13/90	06/13/90	06/13/90
Instrument Used for Analysis			MS-HP-1	MS-HP-1	MS-V3	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1
TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent												
VOLATILE COMPONENTS			-	-		-	-	-	-	-	-	-
4-Octene, (Z)					6.4 J							

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-13-3.5-MSD	TP-13-6.5	TP-13-103	TP-14-0.5	TP-47-0.5	TP-14-3.5	TP-14-6.5	TP-15-0.5	TP-44-0.5	TP-15-3.5
Remarks					Field Blank		Dup. of TP-14-0.5				Dup. of TP-15-0.5	
Units			ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Phenol	10	330	S						110 J			
bis(2-Chloroethyl)Ether	10	330	250 J									
2-Chlorophenol	10	330	S									
1,3-Dichlorobenzene	10	330										
1,4-Dichlorobenzene	10	330	S									
Benzyl Alcohol	10	330										
1,2-Dichlorobenzene	10	330						1200 J	4500			
2-Methylphenol	10	330										
bis(2-Chloroisopropyl)Ether	10	330										
4-Methylphenol	10	330										
N-Nitroso-Di-n-Propylamine	10	330	S									
Hexachloroethane	10	330										
Nitrobenzene	10	330										
Isophorone	10	330										
2-Nitrophenol	10	330										
2,4-Dimethylphenol	10	330										
Benzoic Acid	50	1650										
bis(2-Chloroethoxy)Methane	10	330										
2,4-Dichlorophenol	10	330										
1,2,4-Trichlorobenzene	10	330	S									
Naphthalene	10	330										
4-Chloroaniline	10	330										
Hexachlorobutadiene	10	330										

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-13-3.5-MSD	TP-13-6.5	TP-13-103	TP-14-0.5	TP-47-0.5	TP-14-3.5	TP-14-6.5	TP-15-0.5	TP-44-0.5	TP-15-3.5
Remarks					Field Blank		Dup. of TP-14-0.5				Dup. of TP-15-0.5	
Units			ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330	S									
2-Methylnaphthalene	10	330										
Hexachlorocyclopentadiene	10	330								250 J	130 J	
2,4,6-Trichlorophenol	10	330										
2,4,5-Trichlorophenol	50	1650										
2-Chloronaphthalene	10	330										
2-Nitroaniline	50	1650										
Dimethyl Phthalate	10	330	150 B		2 J							
Acenaphthylene	10	330										
3-Nitroaniline	50	1650										
Acenaphthene	10	330	S									
2,4-Dinitrophenol	50	1650										
4-Nitrophenol	50	1650	S									
Dibenzofuran	10	330										
2,4-Dinitrotoluene	10	330	S									
2,6-Dinitrotoluene	10	330										
Diethylphthalate	10	330	770 U		7 J							
4-Chlorophenyl-phenylether	10	330										
Fluorene	10	330										
4-Nitroaniline	50	1650										
4,6-Dinitro-2-Methylphenol	50	1650										
N-Nitrosodiphenylamine	10	330	770 U		2 J							
4-Bromophenyl-phenylether	10	330										
Hexachlorobenzene	10	330	1200 J							1700	1600	
Pentachlorophenol	10	330	S									

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-13-3.5-MSD	TP-13-6.5	TP-13-103	TP-14-0.5	TP-47-0.5	TP-14-3.5	TP-14-6.5	TP-15-0.5	TP-44-0 5	TP-15-3.5
Remarks					Field Blank		Dup. of TP-14-0.5				Dup. of TP-15-0.5	
Units			ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330										
Anthracene	10	330										
Di-n-Butylphthalate	10	330										
Fluoranthene	10	330										
Pyrene	10	330										
Butylbenzylphthalate	10	330										
3,3'-Dichlorobenzidine	20	660										
Benzo(a)Anthracene	10	330										
Chrysene	10	330										
bis(2-Ethylhexyl)Phthalate	10	330				170 B			190 B	97 J	89 J	69 J
Di-n-Octyl Phthalate	10	330										
Benzo(b)Fluoranthene	10	330								82 J	44 J	
Benzo(k)Fluoranthene	10	330								82 J	44 J	
Benzo(a)Pyrene	10	330										
Indeno(1,2,3-cd)Pyrene	10	330										
Dibenzo(a,h)Anthracene	10	330										
Benzo(g,h,i)Perylene	10	330										
Diphenyl Sulfone	10	330	S			190 J	240 J	520 J	400			
3,4-Dichloronitrobenzene	10	330	S			NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier			2.34	1.16	1.0	1.18	4.85	4.85	1.15	1.30	1.30	1.18
Date Sample Received by Laboratory			07/26/90	07/26/90	07/26/90	06/12/90	06/12/90	06/12/90	06/12/90	05/19/90	05/19/90	05/19/90
Date Sample Extracted			07/31/90	07/31/90	07/31/90	06/15/90	06/15/90	06/15/90	06/15/90	05/29/90	05/29/90	05/29/90
Date of Sample Analysis			09/08/90	09/07/90	09/08/90	07/12/90	07/12/90	07/12/90	07/12/90	07/06/90	07/06/90	07/06/90
Instrument Used for Analysis			GCMSS1	GCMSS1	GCMSS1	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS6	GCMSS6	GCMSS6

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-13-3.5-MSD	TP-13-6.5	TP-13-103	TP-14-0.5	TP-47-0.5	TP-14-3.5	TP-14-6.5	TP-15-0.5	TP-44-0 5	TP-15-3.5
Remarks					Field Blank		Dup. of TP-14-0.5				Dup. of TP-15-0.5	
Units			ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
alpha-BHC	0.05	8.0										
beta-BHC	0.05	8.0										
delta-BHC	0.05	8.0					UL					
Lindane	0.05	8.0	S									
Heptachlor	0.05	8.0	S									
Aldrin	0.05	8.0	S									
Heptachlor epoxide	0.05	8 0										
Endosulfan I	0 05	8.0										
Dieldrin	0.10	16.0	S									
4,4'-DDE	0.10	16 0										
Endrin	0.10	16 0	S									
Endosulfan II	0 10	16.0										
4,4'-DDD	0 10	16.0										
Endosulfan sulfate	0.10	16.0										
4,4'-DDT	0.10	16.0	S									
Methoxychlor	0.50	80		R					380	R	R	R
Endrin ketone	0.10	16.0										
alpha-Chlordane	0.10	80										
gamma-Chlordane	0.10	80										
Toxaphene	1.0	160.0										

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-13-3.5-MSD	TP-13-6.5	TP-13-103	TP-14-0.5	TP-47-0.5	TP-14-3.5	TP-14-6.5	TP-15-0.5	TP-44-0.5	TP-15-3.5
Remarks					Field Blank		Dup. of TP-14-0.5				Dup. of TP-15-0.5	
Units			ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Aroclor-1016	0.5	80										
Aroclor-1221	0.5	80										
Aroclor-1232	0.5	80										
Aroclor-1242	0.5	80										
Aroclor-1248	0.5	80										
Aroclor-1254	0.5	160										
Aroclor-1260	0.5	160										
Quantitation Limit Multiplier			1.19	1 23	1.00	1 19	1 19	6.13	2 88	13.7	12.3	64 1
Date Sample Received By Laboratory			10/18/90	10/18/90	10/18/90	6/12/90	6/12/90	6/12/90	6/12/90	10/18/90	10/18/90	10/18/90
Date Sample Extracted			10/24/90	10/24/90	10/22/90	06/13/90	06/13/90	06/13/90	06/13/90	10/22/90	10/22/90	10/22/90
Date of Sample Analysis			11/01/90	11/01/90	10/30/90	07/18/90	07/18/90	07/18/90	07/18/90	10/31/90	10/31/90	10/26/90
Instrument Used for Analysis												

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-13-3.5-MSD	TP-13-6.5	TP-13-103	TP-14-0.5	TP-47-0.5	TP-14-3.5	TP-14-6.5	TP-15-0.5	TP-44-0.5	TP-15-3.5
Remarks					Field Blank		Dup. of TP-14-0.5				Dup. of TP-15-0.5	
Units			ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aqu)	Reporting Limit (Sol)										
Kepone	0.132	68.0	S							*	*	
Photomirex	0.0474	20.4	S	*						*	*	
Mirex	0.00544	18.5	S	673 J**	0.00440	33.2 J	21.1 J	16 1 J		58100**	139,000**	333 J**
Reporting Limit Multiplier			1.17/4680	1.17/58.4	1.0	1.18	1.18	1 21	1.18	1.31/1571	1.3i/3941	1.20/2 40
Date Sample Received by Laboratory			05/22/90	05/22/90	05/22/90	10/16/90	10/16/90	10/16/90	10/16/90	05/19/90	05/19/90	05/19/90
Date Sample Extracted			05/30/90	05/30/90	05/30/90	10/19/90	10/19/90	10/19/90	10/19/90	05/29/90	05/29/90	05/29/90
Date of Sample Analysis			08/11/90 & 08/14/90	08/09/90 & 08/14/90	08/07/90	10/31/90	10/31/90	10/31/90	10/31/90	07/06/90 & 07/19/90	07/06/90 & 07/13/90	07/06/90 & 07/13/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS1	GCMSS1	GCMSS1

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-15N-6.5	TP-15-102	TP-16-0.5	TP-16-3.5	TP-16-6.5	TP-17-0.5	TP-17-104	TP-17-3.5	TP-17-3.5MS
Remarks				Field Blank					Field Blank		
Units			ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Chloromethane	10	10									
Bromomethane	10	10									
Vinyl Chloride	10	10									
Chloroethane	10	10									
Methylene Chloride	5.0	5.0	6.0 U		8 U	30 U	210	4.0 U	5 0	4.0 U	11 U
Acetone	10	10									
Carbon Disulfide	5.0	5.0									
1,1-Dichloroethene	5.0	5.0									S
1,1-Dichloroethane	5.0	5.0									
1,2-Dichloroethene (total)	5.0	5.0				8.0 J	31 J				2.0 J
Chloroform	5.0	5.0									
1,2-Dichloroethane	5.0	5.0								3.0 J	10 J
2-Butanone	10	10	4 0 J								
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								21	38
1,2-Dichloropropane	5.0	5.0									
trans-1,3-Dichloropropene	5.0	5.0									
Trichloroethene	5.0	5.0			3.0 J	94				11	S
Dibromochloromethane	5.0	5.0									
1,1,2-Trichloroethane	5.0	5.0									2.0 J

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-15N-6.5	TP-15-102	TP-16-0.5	TP-16-3.5	TP-16-6.5	TP-17-0.5	TP-17-104	TP-17-3.5	TP-17-3.5MS
Remarks				Field Blank					Field Blank		
Units			ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
Benzene	5.0	5.0									S
cis-1,3-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			13	220	3400	9.0		79 J	180 J
Toluene	5.0	5 0									S
Chlorobenzene	5.0	5 0									S
Ethylbenzene	5.0	5.0									
Styrene	5 0	5.0									
Xylene (total)	5.0	5 0									
Quantitation Limit Multiplier			1.2	1.00	1.1	4 6	29	1.3	1.0	1.2	1.1
Date Sample Received by Laboratory			06/07/90	05/19/90	06/06/90	06/12/90	06/06/90	06/12/90	06/12/90	06/12/90	06/12/90
Date of Sample Analysis			06/13/90	05/26/90	06/13/90	06/13/90	06/13/90	06/15/90	06/22/90	06/15/90	06/15/90
Instrument Used for Analysis			MS-V1	MS-V3	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1
TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent											
VOLATILE COMPONENTS			-	-	-	-	-	-	-	-	-
4-Octene, (Z)											

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-15N-6.5	TP-15-102	TP-16-0.5	TP-16-3.5	TP-16-6.5	TP-17-0.5	TP-17-104	TP-17-3.5	TP-17-3.5MS
Remarks				Field Blank					Field Blank		
Units			ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Phenol	10	330		UL							S
bis(2-Chloroethyl)Ether	10	330		UL							
2-Chlorophenol	10	330		UL							S
1,3-Dichlorobenzene	10	330		UL							
1,4-Dichlorobenzene	10	330		UL							S
Benzyl Alcohol	10	330		UL							
1,2-Dichlorobenzene	10	330		UL			2400	100 J			
2-Methylphenol	10	330		UL							
bis(2-Chloroisopropyl)Ether	10	330		UL							
4-Methylphenol	10	330		UL							
N-Nitroso-Di-n-Propylamine	10	330		UL							S
Hexachloroethane	10	330		UL			400				
Nitrobenzene	10	330		UL							
Isophorone	10	330		UL							
2-Nitrophenol	10	330		UL							
2,4-Dimethylphenol	10	330		UL							
Benzoic Acid	50	1650		UL							
bis(2-Chloroethoxy)Methane	10	330		UL							
2,4-Dichlorophenol	10	330		UL							
1,2,4-Trichlorobenzene	10	330		UL							S
Naphthalene	10	330		UL							
4-Chloroaniline	10	330		UL							
Hexachlorobutadiene	10	330		UL			1400				

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-15N-6.5	TP-15-102	TP-16-0.5	TP-16-3.5	TP-16-6.5	TP-17-0.5	TP-17-104	TP-17-3.5	TP-17-3.5MS
Remarks				Field Blank					Field Blank		
Units			ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330		UL							S
2-Methylnaphthalene	10	330		UL							
Hexachlorocyclopentadiene	10	330		UL			57 J				
2,4,6-Trichlorophenol	10	330		UL							
2,4,5-Trichlorophenol	50	1650		UL							
2-Chloronaphthalene	10	330		UL							
2-Nitroaniline	50	1650		UL							
Dimethyl Phthalate	10	330		UL							
Acenaphthylene	10	330		UL							
3-Nitroaniline	50	1650		UL							
Acenaphthene	10	330		UL							S
2,4-Dinitrophenol	50	1650		UL							
4-Nitrophenol	50	1650		UL							S
Dibenzofuran	10	330		UL							
2,4-Dinitrotoluene	10	330		UL							S
2,6-Dinitrotoluene	10	330		UL							
Diethylphthalate	10	330		UL							
4-Chlorophenyl-phenylether	10	330		UL							
Fluorene	10	330		UL							
4-Nitroaniline	50	1650		UL							
4,6-Dinitro-2-Methylphenol	50	1650		UL							
N-Nitrosodiphenylamine	10	330		UL							
4-Bromophenyl-phenylether	10	330		UL							
Hexachlorobenzene	10	330		UL		150 J	2900			90 J	100 J
Pentachlorophenol	10	330		UL							S

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-15N-6.5	TP-15-102	TP-16-0.5	TP-16-3.5	TP-16-6.5	TP-17-0.5	TP-17-104	TP-17-3.5	TP-17-3.5MS
Remarks				Field Blank					Field Blank		
Units			ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
Phenanthrene	10	330		UL							
Anthracene	10	330		UL							
Di-n-Butylphthalate	10	330		UL							
Fluoranthene	10	330		UL							
Pyrene	10	330		UL							S
Butylbenzylphthalate	10	330		UL							
3,3'-Dichlorobenzidine	20	660		UL							
Benzo(a)Anthracene	10	330		UL							
Chrysene	10	330		UL							
bis(2-Ethylhexyl)Phthalate	10	330		UL	840	340 J	130 J	940 B	8.0 J	340 B	250 B
Di-n-Octyl Phthalate	10	330		UL							
Benzo(b)Fluoranthene	10	330		UL							
Benzo(k)Fluoranthene	10	330		UL							
Benzo(a)Pyrene	10	330		UL							
Indeno(1,2,3-cd)Pyrene	10	330		UL							
Dibenzo(a,h)Anthracene	10	330		UL							
Benzo(g,h,i)Perylene	10	330		UL							
Diphenyl Sulfone	10	330		UL		8900		43 J		UL	S
3,4-Dichloronitrobenzene	10	330	NA	NA	NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier			1 15	1.00	1.18	4.54	1.09	1.21	1.0	1.15	1.21
Date Sample Received by Laboratory			05/19/90	05/19/90	05/19/90	05/19/90	05/19/90	06/12/90	06/12/90	06/12/90	06/12/90
Date Sample Extracted			05/29/90	05/23/90	05/29/90	05/29/90	05/29/90	06/15/90	06/14/90	06/15/90	06/15/90
Date of Sample Analysis			07/06/90	07/06/90	07/06/90	07/06/90	07/06/90	07/13/90	07/13/90	07/13/90	07/13/90
Instrument Used for Analysis			GCMSS6	GCMSS6	GCMSS6	GCMSS6	GCMSS6	GCMSS3	GCMSS3	GCMSS3	GCMSS3

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-15N-6.5	TP-15-102	TP-16-0.5	TP-16-3.5	TP-16-6.5	TP-17-0.5	TP-17-104	TP-17-3.5	TP-17-3.5MS
Remarks				Field Blank					Field Blank		
Units			ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
alpha-BHC	0.05	8.0									
beta-BHC	0.05	8.0									
delta-BHC	0.05	8 0									
Lindane	0.05	8.0									S
Heptachlor	0.05	8.0									S
Aldrin	0 05	8.0									S
Heptachlor epoxide	0.05	8 0									
Endosulfan I	0.05	8.0									
Dieldrin	0.10	16.0									S
4,4'-DDE	0.10	16 0									
Endrin	0.10	16.0			16 J						S
Endosulfan II	0.10	16.0									
4,4'-DDD	0.10	16.0									
Endosulfan sulfate	0.10	16.0			R					UL	
4,4'-DDT	0.10	16.0									S
Methoxychlor	0.50	80			R						
Endrin ketone	0.10	16.0			R						
alpha-Chlordane	0.10	80									
gamma-Chlordane	0.10	80									
Toxaphene	1.0	160.0									

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-15N-6.5	TP-15-102	TP-16-0.5	TP-16-3.5	TP-16-6.5	TP-17-0.5	TP-17-104	TP-17-3.5	TP-17-3.5MS
Remarks				Field Blank					Field Blank		
Units			ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Aroclor-1016	0.5	80									
Aroclor-1221	0.5	80									
Aroclor-1232	0.5	80									
Aroclor-1242	0.5	80									
Aroclor-1248	0.5	80									
Aroclor-1254	0.5	160									
Aroclor-1260	0.5	160									
Quantitation Limit Multiplier			13.2	1.00	1.19	1.19	1 16	3.06	1.0	1.18	1 19
Date Sample Received By Laboratory			10/18/90	10/18/90	10/19/90	10/19/90	10/19/90	6/12/90	6/12/90	6/12/90	6/12/90
Date Sample Extracted			10/22/90	10/22/90	10/24/90	10/24/90	10/24/90	06/13/90	06/17/90	06/13/90	06/13/90
Date of Sample Analysis			10/26/90	10/30/90	11/02/90	11/02/90	11/02/90	07/18/90	07/18/90	07/18/90	07/18/90
Instrument Used for Analysis											

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-15N-6.5	TP-15-102	TP-16-0.5	TP-16-3.5	TP-16-6.5	TP-17-0.5	TP-17-104	TP-17-3.5	TP-17-3.5MS
Remarks				Field Blank					Field Blank		
Units			ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aqu)	Reporting Limit (Sol)									
Kepone	0.132	68.0					*				S
Photomirex	0.0474	20.4			1.49 J	*		*			S
Mirex	0.00544	18.5	10 2 J	0.00432 J	2100**	7610**	32,800**	1820 ** J		1700 **	S
Reporting Limit Multiplier			1.16	1.0	1.17/58 7	1.14/114	1.17/234	1.25/12.5	1.00	1.23/12.3	12.1
Date Sample Received by Laboratory			05/19/90	05/19/90	05/19/90	05/19/90	05/19/90	10/16/90	10/16/90	10/16/90	10/16/90
Date Sample Extracted			05/29/90	05/23/90	05/29/90	05/29/90	05/29/90	10/19/90	10/21/90	10/19/90	10/19/90
Date of Sample Analysis			07/06/90	07/13/90	07/03/90 & 07/13/90	07/03/90 & 07/14/90	07/06/90 & 07/13/90	10/31/90 & 11/1/90	10/31/90	10/31/90 & 11/1/90	11/02/90
Instrument Used for Analysis			GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS3	GCMSS3	GCMSS3	GCMSS3

ERM-Midwest Sample Number		RNS-	TP-17-3.5MSD	TP-17-6.5
Remarks				
Units			ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)		
Chloromethane	10	10		
Bromomethane	10	10		
Vinyl Chloride	10	10		
Chloroethane	10	10		
Methylene Chloride	5.0	5.0	10 U	420 U
Acetone	10	10		
Carbon Disulfide	5.0	5 0		
1,1-Dichloroethene	5.0	5.0	S	
1,1-Dichloroethane	5.0	5.0		
1,2-Dichloroethene (total)	5.0	5.0	2.0 J	
Chloroform	5 0	5.0		
1,2-Dichloroethane	5 0	5.0	8.0 J	
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	30	720
1,2-Dichloropropane	5.0	5.0		
trans-1,3-Dichloropropene	5.0	5.0		
Trichloroethene	5.0	5.0	S	450
Dibromochloromethane	5.0	5.0		
1,1,2-Trichloroethane	5.0	5.0	2.0 J	

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-17-3.5MSD	TP-17-6.5
Remarks				
Units			ug/kg	ug/kg
Benzene	5.0	5.0	S	540
cis-1,3-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	170 J	1400
Toluene	5.0	5.0	S	
Chlorobenzene	5 0	5.0	S	
Ethylbenzene	5.0	5.0		
Styrene	5.0	5.0		
Xylene (total)	5.0	5 0		
Quantitation Limit Multiplier			1.1	55
Date Sample Received by Laboratory			06/12/90	06/12/90
Date of Sample Analysis			06/15/90	06/15/90
Instrument Used for Analysis			MS-V1	MS-V4
TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent				
VOLATILE COMPONENTS			-	-
4-Octene, (Z)				

ERM-Midwest Sample Number		RNS-	TP-17-3.5MSD	TP-17-6.5
Remarks				
Units			ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)		
Phenol	10	330	S	68 J
bis(2-Chloroethyl)Ether	10	330		
2-Chlorophenol	10	330	S	50 J
1,3-Dichlorobenzene	10	330		
1,4-Dichlorobenzene	10	330	S	200 J
Benzyl Alcohol	10	330		
1,2-Dichlorobenzene	10	330		37,000
2-Methylphenol	10	330		
bis(2-Chloroisopropyl)Ether	10	330		
4-Methylphenol	10	330		
N-Nitroso-Di-n-Propylamine	10	330	S	
Hexachloroethane	10	330		
Nitrobenzene	10	330		
Isophorone	10	330		
2-Nitrophenol	10	330		
2,4-Dimethylphenol	10	330		
Benzoic Acid	50	1650		
bis(2-Chloroethoxy)Methane	10	330		
2,4-Dichlorophenol	10	330		
1,2,4-Trichlorobenzene	10	330	S	
Naphthalene	10	330		
4-Chloroaniline	10	330		
Hexachlorobutadiene	10	330		

ERM-Midwest Sample Number		RNS-	TP-17-3.5MSD	TP-17-6.5
Remarks				
Units			ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330	S	
2-Methylnaphthalene	10	330		
Hexachlorocyclopentadiene	10	330		
2,4,6-Trichlorophenol	10	330		
2,4,5-Trichlorophenol	50	1650		
2-Chloronaphthalene	10	330		
2-Nitroaniline	50	1650		
Dimethyl Phthalate	10	330		
Acenaphthylene	10	330		
3-Nitroaniline	50	1650		
Acenaphthene	10	330	S	
2,4-Dinitrophenol	50	1650		
4-Nitrophenol	50	1650	S	
Dibenzofuran	10	330		
2,4-Dinitrotoluene	10	330	S	
2,6-Dinitrotoluene	10	330		
Diethylphthalate	10	330		
4-Chlorophenyl-phenylether	10	330		
Fluorene	10	330		
4-Nitroaniline	50	1650		
4,6-Dinitro-2-Methylphenol	50	1650		
N-Nitrosodiphenylamine	10	330		
4-Bromophenyl-phenylether	10	330		
Hexachlorobenzene	10	330	120 J	
Pentachlorophenol	10	330	S	

ERM-Midwest Sample Number		RNS-	TP-17-3.5MSD	TP-17-6.5
Remarks				
Units			ug/kg	ug/kg
Phenanthrene	10	330		
Anthracene	10	330		
Di-n-Butylphthalate	10	330		
Fluoranthene	10	330		
Pyrene	10	330	S	
Butylbenzylphthalate	10	330		
3,3'-Dichlorobenzidine	20	660		
Benzo(a)Anthracene	10	330		
Chrysene	10	330		
bis(2-Ethylhexyl)Phthalate	10	330	560 B	410 B
Di-n-Octyl Phthalate	10	330		
Benzo(b)Fluoranthene	10	330		
Benzo(k)Fluoranthene	10	330		
Benzo(a)Pyrene	10	330		
Indeno(1,2,3-cd)Pyrene	10	330		
Dibenzo(a,h)Anthracene	10	330		
Benzo(g,h,i)Perylene	10	330		
Diphenyl Sulfone	10	330	S	230 J
3,4-Dichloronitrobenzene	10	330	NA	NA
Quantitation Limit Multiplier			1.15	9.09
Date Sample Received by Laboratory			06/12/90	06/12/90
Date Sample Extracted			06/15/90	06/15/90
Date of Sample Analysis			07/13/90	07/14/90
Instrument Used for Analysis			GCMSS3	GCMSS3

ERM-Midwest Sample Number		RNS-	TP-17-3.5MSD	TP-17-6.5
Remarks				
Units			ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)		
alpha-BHC	0 05	8.0		
beta-BHC	0.05	8.0		
delta-BHC	0.05	8.0		
Lindane	0.05	8.0	S	
Heptachlor	0.05	8.0	S	
Aldrin	0.05	8.0	S	
Heptachlor epoxide	0 05	8 0		
Endosulfan I	0.05	8.0		
Dieldrin	0.10	16 0	S	
4,4'-DDE	0.10	16.0		
Endrin	0.10	16.0	S	
Endosulfan II	0 10	16 0		
4,4'-DDD	0.10	16.0		
Endosulfan sulfate	0.10	16.0		UL
4,4'-DDT	0.10	16 0	S	
Methoxychlor	0 50	80		
Endrin ketone	0.10	16.0		
alpha-Chlordane	0.10	80		
gamma-Chlordane	0.10	80		
Toxaphene	1.0	160.0		

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-17-3.5MSD	TP-17-6.5
Remarks				
Units			ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)		
Aroclor-1016	0.5	80		
Aroclor-1221	0.5	80		
Aroclor-1232	0.5	80		
Aroclor-1242	0 5	80		
Aroclor-1248	0.5	80		
Aroclor-1254	0.5	160		
Aroclor-1260	0.5	160		
Quantitation Limit Multiplier			1.19	1.19
Date Sample Received By Laboratory			6/12/90	6/12/90
Date Sample Extracted			06/13/90	06/13/90
Date of Sample Analysis			07/18/90	07/18/90
Instrument Used for Analysis				

ERM-Midwest Sample Number RNS-			TP-17-3.5MSD	TP-17-6.5
Remarks				
Units			ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aqu)	Reporting Limit (Sol)		
Kepone	0.132	68.0	S	R
Photomirex	0.0474	20.4	S	UL
Mirex	0.00544	18.5	S	1180 **
Reporting Limit Multiplier			12.1	1.16/11.6
Date Sample Received by Laboratory			10/16/90	10/16/90
Date Sample Extracted			10/19/90	10/19/90
Date of Sample Analysis			11/02/90	10/31/90 & 11/1/90
Instrument Used for Analysis			GCMSS3	GCMSS3

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-18-0.5	TP-42-0.5	TP-18-101	TP-18-201	TP-18-3.5	TP-18-3.5-MS	TP-18-3.5-MSD	TP-18-6.5	TP-18-7.5
Remarks				Dup. of TP-18-0.5	Field Blank	Trip Blank					
Units			ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Chloromethane	10	10			2.0 J						
Bromomethane	10	10									
Vinyl Chloride	10	10									
Chloroethane	10	10									
Methylene Chloride	5.0	5.0	7 U	6.0 U	5.0		13 U	6 0 U	6.0 U	30 U	30 U
Acetone	10	10			9.0 J					47 U	87 U
Carbon Disulfide	5 0	5.0									
1,1-Dichloroethene	5.0	5 0						S	S		
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			4.0 J						
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						S	S		9.0 J
Dibromochloromethane	5.0	5.0									
1,1,2-Trichloroethane	5.0	5.0									

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-18-0.5	TP-42-0.5	TP-18-101	TP-18-201	TP-18-3.5	TP-18-3.5-MS	TP-18-3.5-MSD	TP-18-6.5	TP-18-7.5
Remarks				Dup. of TP-18-0.5	Field Blank	Trip Blank					
Units			ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0						S	S		
cis-1,3-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								8.0 J	310
Toluene	5 0	5 0						S	S		11 J
Chlorobenzene	5.0	5.0						S	S	6 0 J	120
Ethylbenzene	5.0	5.0									
Styrene	5.0	5.0									
Xylene (total)	5.0	5 0									
Quantitation Limit Multiplier			1.2	1.1	1.00	1.00	1.2	1.2	1.2	4 7	4 9
Date Sample Received by Laboratory			06/05/90	06/05/90	05/18/90	05/18/90	06/05/90	06/05/90	06/05/90	06/05/90	06/05/90
Date of Sample Analysis			06/09/90	06/09/90	05/28/90	05/25/90	06/09/90	06/10/90	06/10/90	06/09/90	06/09/90
Instrument Used for Analysis			MS-V1	MS-V1	MS-V2	MS-V3	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1
TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concentrations											
VOLATILE COMPONENTS			-	-	-	-	-	-	-	-	-
4-Octene, (Z)											

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-18-0.5	TP-42-0.5	TP-18-101	TP-18-201	TP-18-3.5	TP-18-3.5-MS	TP-18-3.5-MSD	TP-18-6.5	TP-18-7.5
Remarks				Dup. of TP-18-0.5	Field Blank	Trip Blank					
Units			ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Phenol	10	330				NA		S	S		98 J
bis(2-Chloroethyl)Ether	10	330				NA		R	R		
2-Chlorophenol	10	330				NA		S	S		99 J
1,3-Dichlorobenzene	10	330				NA		R	R		69 J
1,4-Dichlorobenzene	10	330				NA		S	S	140 J	3000 J
Benzyl Alcohol	10	330				NA		R	R		
1,2-Dichlorobenzene	10	330				NA	77 J	R	R	8300	290,000
2-Methylphenol	10	330				NA		R	R		
bis(2-Chloroisopropyl)Ether	10	330				NA		R	R		
4-Methylphenol	10	330				NA		R	R		
N-Nitroso-Di-n-Propylamine	10	330				NA		S	S		
Hexachloroethane	10	330				NA		R	R		
Nitrobenzene	10	330				NA		R	R		
Isophorone	10	330				NA		R	R		
2-Nitrophenol	10	330				NA		R	R		
2,4-Dimethylphenol	10	330				NA		R	R		
Benzoic Acid	50	1650				NA		R	R		
bis(2-Chloroethoxy)Methane	10	330				NA		R	R		
2,4-Dichlorophenol	10	330				NA		R	R	220 J	430
1,2,4-Trichlorobenzene	10	330				NA		S	S		140 J
Naphthalene	10	330				NA		R	R		290 J
4-Chloroaniline	10	330				NA		R	R		
Hexachlorobutadiene	10	330				NA		R	R		

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-18-0.5	TP-42-0.5	TP-18-101	TP-18-201	TP-18-3.5	TP-18-3.5-MS	TP-18-3.5-MSD	TP-18-6.5	TP-18-7.5
Remarks				Dup. of TP-18-0.5	Field Blank	Trip Blank					
Units			ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330				NA		S	S		
2-Methylnaphthalene	10	330				NA		R	R		
Hexachlorocyclopentadiene	10	330				NA		R	R		
2,4,6-Trichlorophenol	10	330				NA		R	R		
2,4,5-Trichlorophenol	50	1650				NA		R	R		
2-Chloronaphthalene	10	330				NA		R	R		
2-Nitroaniline	50	1650				NA		R	R		
Dimethyl Phthalate	10	330				NA		R	R		
Acenaphthylene	10	330				NA		R	R		
3-Nitroaniline	50	1650				NA		R	R		
Acenaphthene	10	330				NA		S	S		
2,4-Dinitrophenol	50	1650				NA		R	R		
4-Nitrophenol	50	1650				NA		S	S		
Dibenzofuran	10	330				NA		R	R		
2,4-Dinitrotoluene	10	330				NA		S	S		
2,6-Dinitrotoluene	10	330				NA		R	R		
Diethylphthalate	10	330			1.0 J	NA		360 U	350 U		
4-Chlorophenyl-phenylether	10	330				NA		R	R		
Fluorene	10	330				NA		R	R		
4-Nitroaniline	50	1650				NA		R	R		
4,6-Dinitro-2-Methylphenol	50	1650				NA		R	R		
N-Nitrosodiphenylamine	10	330	390 U	400 U		NA	370 U	R	370 U	760 U	370 U
4-Bromophenyl-phenylether	10	330				NA		R	R		
Hexachlorobenzene	10	330		130 J		NA		R	41 J		120 J
Pentachlorophenol	10	330				NA		S	S		

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-18-0.5	TP-42-0.5	TP-18-101	TP-18-201	TP-18-3.5	TP-18-3.5-MS	TP-18-3.5-MSD	TP-18-6.5	TP-18-7.5
Remarks				Dup. of TP-18-0.5	Field Blank	Trip Blank					
Units			ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330				NA		R	R		
Anthracene	10	330				NA		R	R		
Di-n-Butylphthalate	10	330				NA		R	R		
Fluoranthene	10	330				NA		R	R		
Pyrene	10	330			UL	NA		S	S		
Butylbenzylphthalate	10	330			UL	NA		R	R		
3,3'-Dichlorobenzidine	20	660			UL	NA		R	R		
Benzo(a)Anthracene	10	330			UL	NA		R	R		
Chrysene	10	330			UL	NA		R	R		
bis(2-Ethylhexyl)Phthalate	10	330	390 U	400 U	7.0 J	NA	370 U	610 U	540 U	760 U	370 U
Di-n-Octyl Phthalate	10	330				NA		R	R		
Benzo(b)Fluoranthene	10	330				NA		R	R		
Benzo(k)Fluoranthene	10	330				NA		R	R		
Benzo(a)Pyrene	10	330				NA		R	R		
Indeno(1,2,3-cd)Pyrene	10	330				NA		R	R		
Dibenzo(a,h)Anthracene	10	330				NA		R	R		
Benzo(g,h,i)Perylene	10	330				NA		R	R		
Diphenyl Sulfone	10	330				NA	UL	S	S	500 J	17,000 J
3,4-Dichloronitrobenzene	10	330	NA	NA	NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier			1.18	1.21	1.0	NA	1.12	1.09	1.06	2.30	90.9
Date Sample Received by Laboratory			05/18/90	05/18/90	05/18/90	NA	05/18/90	05/18/90	05/18/90	05/18/90	05/18/90
Date Sample Extracted			05/26/90	05/26/90	05/23/90	NA	05/26/90	07/11/90	07/11/90	05/26/90	05/26/90
Date of Sample Analysis			06/18/90	06/19/90	06/18/90	NA	06/19/90	07/24/90	07/24/90	06/29/90	07/20/90
Instrument Used for Analysis			GCMSS1	GCMSS1	GCMSS1	NA	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-18-0.5	TP-42-0.5	TP-18-101	TP-18-201	TP-18-3.5	TP-18-3.5-MS	TP-18-3.5-MSD	TP-18-6.5	TP-18-7.5
Remarks				Dup. of TP-18-0.5	Field Blank	Trip Blank					
Units			ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
alpha-BHC	0.05	8.0				NA					
beta-BHC	0.05	8.0				NA					
delta-BHC	0.05	8.0				NA					
Lindane	0.05	8.0				NA		S	S		
Heptachlor	0.05	8.0				NA		S	S		
Aldrin	0 05	8.0				NA		S	S		
Heptachlor epoxide	0.05	8.0				NA					
Endosulfan I	0.05	8.0				NA					
Dieldrin	0.10	16.0				NA		S	S	13 J	
4,4'-DDE	0.10	16.0				NA					
Endrin	0.10	16 0				NA		S	S	R	
Endosulfan II	0.10	16.0				NA					
4,4'-DDD	0.10	16.0				NA					
Endosulfan sulfate	0.10	16.0				NA					
4,4'-DDT	0.10	16.0				NA		S	S		
Methoxychlor	0.50	80				NA					
Endrin ketone	0.10	16.0				NA					
alpha-Chlordane	0.10	80				NA					
gamma-Chlordane	0.10	80				NA					
Toxaphene	1.0	160.0				NA					

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-18-0.5	TP-42-0.5	TP-18-101	TP-18-201	TP-18-3.5	TP-18-3.5-MS	TP-18-3.5-MSD	TP-18-6.5	TP-18-7.5
Remarks				Dup. of TP-18-0.5	Field Blank	Trip Blank					
Units			ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Aroclor-1016	0.5	80				NA					
Aroclor-1221	0.5	80				NA					
Aroclor-1232	0.5	80				NA					
Aroclor-1242	0.5	80				NA					
Aroclor-1248	0.5	80				NA					
Aroclor-1254	0.5	160				NA					
Aroclor-1260	0.5	160				NA					
Quantitation Limit Multiplier			12.2	6.02		NA	1.18	11.8	11.8	2.35	1.15
Date Sample Received By Laboratory			10/18/90	10/18/90		NA	10/18/90	10/18/90	10/18/90	10/18/90	10/18/90
Date Sample Extracted			10/22/90	10/22/90		NA	10/22/90	10/22/90	10/22/90	10/22/90	10/22/90
Date of Sample Analysis			10/25/90	10/25/90		NA	10/25/90	10/25/90	10/25/90	10/25/90	10/25/90
Instrument Used for Analysis						NA					

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-18-0.5	TP-42-0.5	TP-18-101	TP-18-201	TP-18-3.5	TP-18-3.5-MS	TP-18-3.5-MSD	TP-18-6.5	TP-18-7.5
Remarks				Dup. of TP-18-0.5	Field Blank	Trip Blank					
Units			ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aqu)	Reporting Limit (Sol)									
Kepone	0.132	68.0		*		NA	R	S	S		
Photomirex	0.0474	20.4	*	*		NA	7.98 J	S	S	5.72 J	*
Mirex	0.00544	18.5	187 J**	2580 J**	0.00760	NA	425**	S	S	105	4720**
Reporting Limit Multiplier			1.20/12.0	1.22/122	1.0	NA	1.14/11.4	1.13/11.3	1.13/11.3	1.14	1.13/113
Date Sample Received by Laboratory			05/18/90	05/18/90	05/18/90	NA	05/18/90	05/18/90	05/18/90	05/18/90	05/18/90
Date Sample Extracted			05/21/90	05/21/90	05/23/90	NA	05/21/90	05/21/90	05/21/90	05/21/90	05/21/90
Date of Sample Analysis			08/03/90 & 08/04/90	08/04/90	08/03/90	NA	08/03/90 & 08/04/90	08/03/90 & 08/04/90	08/03/90 & 08/04/90	08/03/90	08/04/90 & 08/07/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	NA	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-19-0.5	TP-19-3.5	TP-19-6.5	TP-20-0.5	TP-20-3.5	TP-20-6.5	TP-21-0.5	TP-43-0.5	TP-21-3.5	TP-21-6.5
Remarks										Dup. of TP-21-0.5		
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Chloromethane	10	10										
Bromomethane	10	10										
Vinyl Chloride	10	10										
Chloroethane	10	10										
Methylene Chloride	5.0	5.0	5.0 U	5.0 U	5.0 U	14 U	6.0 U	6.0 U	8.0 U	7.0 U	6.0 U	6 U
Acetone	10	10		10 U			11 J					
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			1.0 J							
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			3.0 J							
1,2-Dichloropropane	5.0	5.0	4.0 J									
trans-1,3-Dichloropropene	5.0	5.0										
Trichloroethene	5.0	5.0			5.0 J							
Dibromochloromethane	5.0	5.0										
1,1,2-Trichloroethane	5.0	5.0										

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-19-0.5	TP-19-3.5	TP-19-6.5	TP-20-0.5	TP-20-3.5	TP-20-6.5	TP-21-0.5	TP-43-0.5	TP-21-3.5	TP-21-6.5
Remarks										Dup. of TP-21-0.5		
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0										
cis-1,3-Dichloropropene	5.0	5.0										
Bromoform	5.0	5.0									35	
2-Hexanone	10	10										
4-Methyl-2-Pentanone	10	10										
Tetrachloroethene	5.0	5.0	4.0 J	2.0 J	84						2.0 J	
Toluene	5.0	5.0										
Chlorobenzene	5.0	5 0					44				9.0	
Ethylbenzene	5.0	5.0					1.0 J					
Styrene	5.0	5.0										
Xylene (total)	5.0	5.0										
Quantitation Limit Multiplier			1.19	1.20	1.08	1.1	1.1	1.2	1.5	1.4	1.2	1 2
Date Sample Received by Laboratory			05/22/90	05/22/90	05/22/90	06/06/90	06/06/90	06/06/90	06/06/90	06/06/90	06/06/90	06/06/90
Date of Sample Analysis			06/01/90	06/01/90	06/01/90	06/12/90	06/10/90	06/11/90	06/13/90	06/13/90	06/11/90	06/13/90
Instrument Used for Analysis			MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1
TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent												
VOLATILE COMPONENTS			-	-	-	-	-	-	-	-	-	-
4-Octene, (Z)												

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-19-0.5	TP-19-3.5	TP-19-6.5	TP-20-0.5	TP-20-3.5	TP-20-6.5	TP-21-0.5	TP-43-0.5	TP-21-3.5	TP-21-6.5
Remarks										Dup. of TP-21-0.5		
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	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						46 J				
Benzyl Alcohol	10	330								80 J		
1,2-Dichlorobenzene	10	330					200 J	3500				
2-Methylphenol	10	330										
bis(2-Chloroisopropyl)Ether	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										
Benzoic Acid	50	1650										
bis(2-Chloroethoxy)Methane	10	330										
2,4-Dichlorophenol	10	330						43 J				
1,2,4-Trichlorobenzene	10	330										
Naphthalene	10	330										
4-Chloroaniline	10	330										
Hexachlorobutadiene	10	330										

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-19-0.5	TP-19-3.5	TP-19-6.5	TP-20-0.5	TP-20-3.5	TP-20-6.5	TP-21-0.5	TP-43-0.5	TP-21-3.5	TP-21-6.5
Remarks										Dup. of TP-21-0.5		
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330										
2-Methylnaphthalene	10	330										
Hexachlorocyclopentadiene	10	330										
2,4,6-Trichlorophenol	10	330										
2,4,5-Trichlorophenol	50	1650										
2-Chloronaphthalene	10	330										
2-Nitroaniline	50	1650										
Dimethyl Phthalate	10	330										
Acenaphthylene	10	330										
3-Nitroaniline	50	1650										
Acenaphthene	10	330										
2,4-Dinitrophenol	50	1650										
4-Nitrophenol	50	1650										
Dibenzofuran	10	330										
2,4-Dinitrotoluene	10	330										
2,6-Dinitrotoluene	10	330										
Diethylphthalate	10	330	790 U									
4-Chlorophenyl-phenylether	10	330										
Fluorene	10	330										
4-Nitroaniline	50	1650										
4,6-Dinitro-2-Methylphenol	50	1650										
N-Nitrosodiphenylamine	10	330				360 U						
4-Bromophenyl-phenylether	10	330										
Hexachlorobenzene	10	330	110 J									
Pentachlorophenol	10	330										

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-19-0.5	TP-19-3.5	TP-19-6.5	TP-20-0.5	TP-20-3.5	TP-20-6.5	TP-21-0.5	TP-43-0.5	TP-21-3.5	TP-21-6.5
Remarks										Dup. of TP-21-0.5		
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330										
Anthracene	10	330										
Di-n-Butylphthalate	10	330										
Fluoranthene	10	330										
Pyrene	10	330										
Butylbenzylphthalate	10	330										
3,3'-Dichlorobenzidine	20	660										
Benzo(a)Anthracene	10	330										
Chrysene	10	330										
bis(2-Ethylhexyl)Phthalate	10	330				380 U	370 U	370 U	320 J	660 J	89 J	160 J
Di-n-Octyl Phthalate	10	330										
Benzo(b)Fluoranthene	10	330										
Benzo(k)Fluoranthene	10	330										
Benzo(a)Pyrene	10	330										
Indeno(1,2,3-cd)Pyrene	10	330										
Dibenzo(a,h)Anthracene	10	330										
Benzo(g,h,i)Perylene	10	330										
Diphenyl Sulfone	10	330	320 J				56 J	730				
3,4-Dichloronitrobenzene	10	330	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier			2.41	1.20	1.15	1.09	1.12	1.12	1.27	1.24	1.15	1.15
Date Sample Received by Laboratory			07/25/90	07/25/90	07/25/90	05/18/90	05/18/90	05/18/90	05/19/90	05/19/90	05/19/90	05/19/90
Date Sample Extracted			07/31/90	07/31/90	07/31/90	05/26/90	05/26/90	05/26/90	05/29/90	05/29/90	05/29/90	05/29/90
Date of Sample Analysis			08/30/90	08/08/90	08/09/90	06/29/90	07/02/90	07/02/90	07/06/90	07/06/90	07/06/90	07/06/90
Instrument Used for Analysis			GCMSS1	GCMSS6	GCMSS6	GCMSS1	GCMSS1	GCMSS1	GCMSS6	GCMSS6	GCMSS6	GCMSS6

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-19-0.5	TP-19-3.5	TP-19-6.5	TP-20-0.5	TP-20-3.5	TP-20-6.5	TP-21-0.5	TP-43-0.5	TP-21-3.5	TP-21-6.5
Remarks										Dup. of TP-21-0.5		
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
alpha-BHC	0.05	8.0										
beta-BHC	0.05	8.0										
delta-BHC	0.05	8.0										
Lindane	0.05	8.0										
Heptachlor	0.05	8.0										
Aldrin	0.05	8.0										
Heptachlor epoxide	0.05	8.0										
Endosulfan I	0 05	8.0										
Dieldrin	0.10	16.0										
4,4'-DDE	0.10	16.0										
Endrin	0.10	16.0										
Endosulfan II	0.10	16.0										
4,4'-DDD	0.10	16.0										
Endosulfan sulfate	0.10	16.0							R			
4,4'-DDT	0.10	16.0										
Methoxychlor	0.50	80							R			
Endrin ketone	0.10	16.0							R			
alpha-Chlordane	0.10	80										
gamma-Chlordane	0.10	80										
Toxaphene	1.0	160.0										

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-19-0.5	TP-19-3.5	TP-19-6.5	TP-20-0.5	TP-20-3.5	TP-20-6.5	TP-21-0.5	TP-43-0.5	TP-21-3.5	TP-21-6.5
Remarks										Dup. of TP-21-0.5		
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Aroclor-1016	0.5	80										
Aroclor-1221	0.5	80										
Aroclor-1232	0.5	80										
Aroclor-1242	0.5	80										
Aroclor-1248	0 5	80										
Aroclor-1254	0.5	160										
Aroclor-1260	0.5	160										
Quantitation Limit Multiplier			13.2	1.20	1.16	11.9	5.75	1.16	1.37	1.28	1.22	1.15
Date Sample Received By Laboratory			10/18/90	10/18/90	10/18/90	10/18/90	10/18/90	10/18/90	10/18/90	10/18/90	10/18/90	10/18/90
Date Sample Extracted			10/22/90	10/22/90	10/22/90	10/22/90	10/22/90	10/22/90	10/22/90	10/22/90	10/22/90	10/22/90
Date of Sample Analysis			10/26/90	10/27/90	10/27/90	10/26/90	10/26/90	10/27/90	10/27/90	10/26/90	10/26/90	10/26/90
Instrument Used for Analysis												

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-19-0.5	TP-19-3.5	TP-19-6.5	TP-20-0.5	TP-20-3.5	TP-20-6.5	TP-21-0.5	TP-43-0.5	TP-21-3.5	TP-21-6.5
Remarks										Dup. of TP-21-0.5		
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aqu)	Reporting Limit (Sol)										
Kepone	0.132	68.0	*									
Photomirex	0.0474	20.4	*	*	0.763 J	*	3.61 J**	1.23 J	8.49 J	1.54 J	6.97 J	
Mirex	0.00544	18.5	6290**	959 J**	35.7	742**	533 J**	474**	579 J**	166 J	178**	2.10 J
Reporting Limit Multiplier			1.18/118	1.24/61.9	1.14	1.08/108	1.11/5.55	1.12/5.60	1.29/12.9	1.25	1.17/5.85	1.15 J
Date Sample Received by Laboratory			05/22/90	05/22/90	05/22/90	05/18/90	05/18/90	05/18/90	05/19/90	05/19/90	05/19/90	05/19/90
Date Sample Extracted			05/30/90	05/30/90	05/30/90	05/21/90	05/21/90	05/21/90	05/29/90	05/29/90	05/29/90	05/29/90
Date of Sample Analysis			08/08/90 & 08/09/90	08/08/90 & 08/11/90	08/08/90	08/04/90 & 08/07/90	08/04/90 & 08/07/90	08/03/90	07/03/90	07/03/90	07/03/90	07/03/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS1	GCMSS1	GCMSS1	GCMSS1

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-19-0.5	TP-19-3.5	TP-19-6.5	TP-20-0.5	TP-20-3.5	TP-20-6.5	TP-21-0.5	TP-43-0.5	TP-21-3.5	TP-21-6.5
Remarks										Dup. of TP-21-0.5		
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aqu)	Reporting Limit (Sol)										
Kepone	0.132	68.0	*									
Photomirex	0.0474	20.4	*	*	0.763 J	*	3.61 J**	1.23 J	8.49 J	1.54 J	6.97 J	~~2.10 J~~
Mirex	0.00544	18.5	6290**	959 J**	35.7	742**	533 J**	474**	579 J**	166 J	178**	~~2.10 J~~ 1,155
Reporting Limit Multiplier			1.18/118	1.24/61.9	1.14	1.08/108	1.11/5.55	1.12/5.60	1.29/12.9	1.25	1.17/5.85	~~1.15 J~~
Date Sample Received by Laboratory			05/22/90	05/22/90	05/22/90	05/18/90	05/18/90	05/18/90	05/19/90	05/19/90	05/19/90	05/19/90
Date Sample Extracted			05/30/90	05/30/90	05/30/90	05/21/90	05/21/90	05/21/90	05/29/90	05/29/90	05/29/90	05/29/90
Date of Sample Analysis			08/08/90 & 08/09/90	08/08/90 & 08/11/90	08/08/90	08/04/90 & 08/07/90	08/04/90 & 08/07/90	08/03/90	07/03/90	07/03/90	07/03/90	07/03/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS1	GCMSS1	GCMSS1	GCMSS1

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-22-0.5	TP-22-202	TP-22-3.5	TP-22-6.5	TP-23-0.5	TP-46-0.5	TP-23-3.5	TP-23-6.5	TP-23-6.5MS
Remarks				Trip Blank				Dup. of TP-23-0.5			
Units			ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Chloromethane	10	10									
Bromomethane	10	10									
Vinyl Chloride	10	10									
Chloroethane	10	10									
Methylene Chloride	5.0	5.0	23 U	7.0 J	5.0 U	23 U	6.0 U	7.0 U	42 U	580 U	580 U
Acetone	10	10	12 U		11 U	12 U				R	1300 U
Carbon Disulfide	5 0	5 0									
1,1-Dichloroethene	5.0	5.0									S
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					R	R	R	R	R
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					7 0	7.0	240	4500 J	4100 J
1,2-Dichloropropane	5.0	5.0									
trans-1,3-Dichloropropene	5.0	5.0									
Trichloroethene	5.0	5.0						1.0 J	40	390 J	S
Dibromochloromethane	5.0	5.0									
1,1,2-Trichloroethane	5.0	5.0									

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-22-0.5	TP-22-202	TP-22-3.5	TP-22-6.5	TP-23-0.5	TP-46-0.5	TP-23-3.5	TP-23-6.5	TP-23-6.5MS
Remarks				Trip Blank				Dup. of TP-23-0.5			
Units			ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0									S
cis-1,3-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					5.0 J	6.0 J	74	3600 J	2600 J
Toluene	5.0	5.0						1.0 J			S
Chlorobenzene	5.0	5.0						1.0 J			S
Ethylbenzene	5.0	5.0									
Styrene	5.0	5.0									
Xylene (total)	5.0	5.0									
Quantitation Limit Multiplier			1.2		1.1	1.2	1.16	1.14	2.81	120	120
Date Sample Received by Laboratory			06/13/90	06/13/90	06/13/90	06/13/90	05/23/90	05/23/90	05/23/90	05/23/90	5/23/90
Date of Sample Analysis			06/20/90	06/22/90	06/19/90	06/20/90	06/01/90	06/01/90	06/01/90	06/02/90	6/2/90
Instrument Used for Analysis			MS-V1	MS-V1	MS-V1	MS-V1	MS-HP-3	MS-HP-3	MS-HP-3	MS-HP-2	MS-HP-2
TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent											
VOLATILE COMPONENTS			-	-	-	-	-	-	-	-	-
4-Octene, (Z)											

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-22-0.5	TP-22-202	TP-22-3.5	TP-22-6.5	TP-23-0.5	TP-46-0.5	TP-23-3.5	TP-23-6.5	TP-23-6.5MS
Remarks				Trip Blank				Dup. of TP-23-0.5			
Units			ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)		NA							
Phenol	10	330		NA						UL	NA
bis(2-Chloroethyl)Ether	10	330		NA						UL	NA
2-Chlorophenol	10	330		NA						UL	NA
1,3-Dichlorobenzene	10	330		NA						UL	NA
1,4-Dichlorobenzene	10	330		NA						UL	NA
Benzyl Alcohol	10	330		NA						UL	NA
1,2-Dichlorobenzene	10	330		NA						99 J	NA
2-Methylphenol	10	330		NA						UL	NA
bis(2-Chloroisopropyl)Ether	10	330		NA						UL	NA
4-Methylphenol	10	330		NA						UL	NA
N-Nitroso-Di-n-Propylamine	10	330		NA						UL	NA
Hexachloroethane	10	330		NA					150 J	400 J	NA
Nitrobenzene	10	330		NA						UL	NA
Isophorone	10	330		NA						UL	NA
2-Nitrophenol	10	330		NA						UL	NA
2,4-Dimethylphenol	10	330		NA						UL	NA
Benzoic Acid	50	1650		NA						490 J	NA
bis(2-Chloroethoxy)Methane	10	330		NA						UL	NA
2,4-Dichlorophenol	10	330		NA						UL	NA
1,2,4-Trichlorobenzene	10	330		NA						UL	NA
Naphthalene	10	330		NA						UL	NA
4-Chloroaniline	10	330		NA						UL	NA
Hexachlorobutadiene	10	330		NA					80 J	UL	NA

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-22-0.5	TP-22-202	TP-22-3.5	TP-22-6.5	TP-23-0.5	TP-46-0.5	TP-23-3.5	TP-23-6.5	TP-23-6.5MS
Remarks				Trip Blank				Dup. of TP-23-0.5			
Units			ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330		NA						UL	NA
2-Methylnaphthalene	10	330		NA						UL	NA
Hexachlorocyclopentadiene	10	330		NA						UL	NA
2,4,6-Trichlorophenol	10	330		NA						UL	NA
2,4,5-Trichlorophenol	50	1650		NA						UL	NA
2-Chloronaphthalene	10	330		NA						UL	NA
2-Nitroaniline	50	1650		NA						UL	NA
Dimethyl Phthalate	10	330		NA						UL	NA
Acenaphthylene	10	330		NA						UL	NA
3-Nitroaniline	50	1650		NA						UL	NA
Acenaphthene	10	330		NA						UL	NA
2,4-Dinitrophenol	50	1650		NA						UL	NA
4-Nitrophenol	50	1650		NA						UL	NA
Dibenzofuran	10	330		NA						UL	NA
2,4-Dinitrotoluene	10	330		NA						UL	NA
2,6-Dinitrotoluene	10	330		NA						UL	NA
Diethylphthalate	10	330		NA						UL	NA
4-Chlorophenyl-phenylether	10	330		NA						UL	NA
Fluorene	10	330		NA						UL	NA
4-Nitroaniline	50	1650		NA						UL	NA
4,6-Dinitro-2-Methylphenol	50	1650		NA						UL	NA
N-Nitrosodiphenylamine	10	330		NA						UL	NA
4-Bromophenyl-phenylether	10	330		NA						UL	NA
Hexachlorobenzene	10	330		NA			1400	1500 J		UL	NA
Pentachlorophenol	10	330		NA						UL	NA

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-22-0.5	TP-22-202	TP-22-3.5	TP-22-6.5	TP-23-0.5	TP-46-0.5	TP-23-3.5	TP-23-6.5	TP-23-6.5MS
Remarks				Trip Blank				Dup. of TP-23-0.5			
Units			ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330		NA						UL	NA
Anthracene	10	330		NA						UL	NA
Di-n-Butylphthalate	10	330		NA						UL	NA
Fluoranthene	10	330		NA						UL	NA
Pyrene	10	330		NA						UL	NA
Butylbenzylphthalate	10	330		NA						UL	NA
3,3'-Dichlorobenzidine	20	660		NA						UL	NA
Benzo(a)Anthracene	10	330		NA						UL	NA
Chrysene	10	330		NA						UL	NA
bis(2-Ethylhexyl)Phthalate	10	330	160 J	NA	82 J	180 J				UL	NA
Di-n-Octyl Phthalate	10	330		NA						UL	NA
Benzo(b)Fluoranthene	10	330		NA						UL	NA
Benzo(k)Fluoranthene	10	330		NA						UL	NA
Benzo(a)Pyrene	10	330		NA						UL	NA
Indeno(1,2,3-cd)Pyrene	10	330		NA						UL	NA
Dibenzo(a,h)Anthracene	10	330		NA						UL	NA
Benzo(g,h,i)Perylene	10	330		NA						UL	NA
Diphenyl Sulfone	10	330		NA			300 J	540,000 J	150 J	650 J	NA
3,4-Dichloronitrobenzene	10	330		NA						UL	NA
Quantitation Limit Multiplier			1.24	NA	1.15	1.18	2.33	11.7	1.03	1.13	NA
Date Sample Received by Laboratory			06/13/90	NA	06/13/90	06/13/90	07/26/90	07/26/90	07/26/90	07/26/90	NA
Date Sample Extracted			06/15/90	NA	06/15/90	06/15/90	07/31/90	07/31/90	07/31/90	07/31/90	NA
Date of Sample Analysis			07/13/90	NA	07/13/90	07/13/90	09/07/90	09/07/90	09/08/90	09/11/90	NA
Instrument Used for Analysis			GCMSS3	NA	GCMSS3	GCMSS3	GCMSS1	GCMSS1	GCMSS1	GCMSS5	NA

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-22-0.5	TP-22-202	TP-22-3.5	TP-22-6.5	TP-23-0.5	TP-46-0.5	TP-23-3.5	TP-23-6.5	TP-23-6.5MS
Remarks				Trip Blank				Dup. of TP-23-0.5			
Units			ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
alpha-BHC	0.05	8.0		NA							NA
beta-BHC	0.05	8.0		NA							NA
delta-BHC	0.05	8.0		NA							NA
Lindane	0.05	8 0		NA							NA
Heptachlor	0.05	8.0		NA							NA
Aldrin	0.05	8.0		NA							NA
Heptachlor epoxide	0.05	8.0		NA							NA
Endosulfan I	0.05	8 0		NA							NA
Dieldrin	0.10	16.0		NA							NA
4,4'-DDE	0.10	16.0		NA							NA
Endrin	0.10	16.0		NA							NA
Endosulfan II	0.10	16.0		NA							NA
4,4'-DDD	0.10	16.0		NA							NA
Endosulfan sulfate	0.10	16.0		NA							NA
4,4'-DDT	0.10	16.0		NA							NA
Methoxychlor	0.50	80		NA							NA
Endrin ketone	0.10	16.0		NA							NA
alpha-Chlordane	0.10	80		NA							NA
gamma-Chlordane	0.10	80		NA							NA
Toxaphene	1.0	160.0		NA							NA

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-22-0.5	TP-22-202	TP-22-3.5	TP-22-6.5	TP-23-0.5	TP-46-0.5	TP-23-3.5	TP-23-6.5	TP-23-6.5MS
Remarks				Trip Blank				Dup. of TP-23-0.5			
Units			ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Aroclor-1016	0.5	80		NA							NA
Aroclor-1221	0.5	80		NA							NA
Aroclor-1232	0.5	80		NA							NA
Aroclor-1242	0.5	80		NA							NA
Aroclor-1248	0.5	80		NA							NA
Aroclor-1254	0.5	160		NA							NA
Aroclor-1260	0.5	160		NA							NA
Quantitation Limit Multiplier			3.13	NA	1.13	1.19	12 3	6.25	5.95	1.18	NA
Date Sample Received By Laboratory			06/13/90	NA	06/13/90	06/13/90	10/20/90	10/20/90	10/20/90	10/20/90	NA
Date Sample Extracted			06/13/90	NA	06/13/90	06/13/90	10/26/90	10/26/90	10/26/90	10/26/90	NA
Date of Sample Analysis			07/18/90	NA	07/18/90	07/18/90	11/11/90	11/12/90	11/12/90	11/10/90	NA
Instrument Used for Analysis				NA							NA

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-22-0.5	TP-22-202	TP-22-3.5	TP-22-6.5	TP-23-0.5	TP-46-0.5	TP-23-3.5	TP-23-6.5	TP-23-6.5MS
Remarks				Trip Blank				Dup. of TP-23-0.5			
Units			ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aqu)	Reporting Limit (Sol)									
Kepone	0.132	68.0		NA			*	*			NA
Photomirex	0.0474	20.4	*	NA			*	*			NA
Mirex	0.00544	18.5	956 J**	NA	20.1 J	8.18 J	17800**	13200**	103	25.5	NA
Reporting Limit Multiplier			1.21/121	NA	1.15	1.18	1.16/465	1.19/238	1.17	1.14	NA
Date Sample Received by Laboratory			06/13/90	NA	06/13/90	06/13/90	05/22/90	05/22/90	05/22/90	05/22/90	NA
Date Sample Extracted			06/13/90	NA	06/13/90	06/13/90	05/30/90	05/30/90	05/30/90	05/30/90	NA
Date of Sample Analysis			08/09/90 & 08/11/90	NA	08/11/90	08/11/90	08/09/90 & 08/11/90	08/09/90 & 08/11/90	08/09/90	08/09/90	NA
Instrument Used for Analysis			GCMSS2	NA	GCMSS2	GCMSS2	GCMSS3	GCMSS3	GCMSS3	GCMSS3	NA

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-23-6.5MSD	TP-23-9.5	TP-23-12.5	TP-49-12.5	TP-23-12.5MS	TP-23-12.5MSD	TP-23-105	TP-24-0.5	TP-24-3.5
Remarks						Dup. of TP-23-12.5			Field Blank		
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Chloromethane	10	10							NA		
Bromomethane	10	10							NA		
Vinyl Chloride	10	10							NA		
Chloroethane	10	10							NA		
Methylene Chloride	5.0	5.0	900 U	990 U					NA	140 U	26 U
Acetone	10	10	1200 U	1200 U			1200 U	1200 U	NA		10 U
Carbon Disulfide	5.0	5.0							NA		
1,1-Dichloroethene	5 0	5 0	S				S	S	NA		
1,1-Dichloroethane	5.0	5.0							NA		
1,2-Dichloroethene (total)	5.0	5 0					180 J	190 J	NA		
Chloroform	5.0	5.0							NA		
1,2-Dichloroethane	5.0	5 0			900 J	990 J	2900 J	2800 J	NA	6.0 J	23 J
2-Butanone	10	10	R		R	R	1100 J	R	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	4100 J	4000	1900 J	9000 J	3600 J	4900 J	NA	110	150
1,2-Dichloropropane	5.0	5.0							NA		
trans-1,3-Dichloropropene	5.0	5.0							NA		
Trichloroethene	5.0	5.0	S	950	590 J	1000 J	S	S	NA	7 0	30
Dibromochloromethane	5.0	5.0							NA		
1,1,2-Trichloroethane	5.0	5.0			180 J	170 J	510 J	500 J	NA		

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-23-6.5MSD	TP-23-9.5	TP-23-12.5	TP-49-12.5	TP-23-12.5MS	TP-23-12.5MSD	TP-23-105	TP-24-0.5	TP-24-3.5
Remarks						Dup. of TP-23-12.5			Field Blank		
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
Benzene	5.0	5.0	S	400 J	900 J	820 J	S	S	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	2500 J	1900	900 J	8000 J	320 J	340 J	NA	260 J	1000
Toluene	5.0	5.0	S		260 J	290 J	S	S	NA		
Chlorobenzene	5.0	5.0	S				S	S	NA		
Ethylbenzene	5 0	5.0			570 J	230 J	240 J	150 J	NA		
Styrene	5.0	5.0							NA		
Xylene (total)	5.0	5.0							NA		
Quantitation Limit Multiplier			120	110	120	120	120	120	NA	1.17	5.56
Date Sample Received by Laboratory			5/23/90	05/23/90	08/02/90	08/02/90	08/02/90	08/02/90	NA	05/22/90	05/22/90
Date of Sample Analysis			6/2/90	06/02/90	08/10/90	08/10/90	08/10/90	08/10/90	NA	06/01/90	06/01/90
Instrument Used for Analysis			MS-HP-2	MS-HP-2	MS-HP-1	MS-HP-1	MS-HP-1	MS-HP-1	NA	MS-V1	MS-V1
TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent											
VOLATILE COMPONENTS			-	-	-	-	-	-	NA	-	-
4-Octene, (Z)									NA		

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-23-6.5MSD	TP-23-9.5	TP-23-12.5	TP-49-12.5	TP-23-12.5MS	TP-23-12.5MSD	TP-23-105	TP-24-0.5	TP-24-3.5
Remarks						Dup. of TP-23-12.5			Field Blank		
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Phenol	10	330	NA		220 J	140 J	S	S	NA		
bis(2-Chloroethyl)Ether	10	330	NA						NA		
2-Chlorophenol	10	330	NA				S	S	NA		
1,3-Dichlorobenzene	10	330	NA						NA		
1,4-Dichlorobenzene	10	330	NA				S	S	NA		
Benzyl Alcohol	10	330	NA						NA		
1,2-Dichlorobenzene	10	330	NA						NA	640 J	450 J
2-Methylphenol	10	330	NA						NA		
bis(2-Chloroisopropyl)Ether	10	330	NA						NA		
4-Methylphenol	10	330	NA						NA		
N-Nitroso-Di-n-Propylamine	10	330	NA						NA		
Hexachloroethane	10	330	NA	330 J					NA	180 J	310 J
Nitrobenzene	10	330	NA						NA		
Isophorone	10	330	NA						NA		
2-Nitrophenol	10	330	NA						NA		
2,4-Dimethylphenol	10	330	NA						NA		
Benzoic Acid	50	1650	NA						NA		
bis(2-Chloroethoxy)Methane	10	330	NA						NA		
2,4-Dichlorophenol	10	330	NA						NA		
1,2,4-Trichlorobenzene	10	330	NA				S	S	NA		
Naphthalene	10	330	NA					44 J	NA	340 J	120 J
4-Chloroaniline	10	330	NA						NA		
Hexachlorobutadiene	10	330	NA						NA	290 J	130 J

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-23-6.5MSD	TP-23-9.5	TP-23-12.5	TP-49-12.5	TP-23-12.5MS	TP-23-12.5MSD	TP-23-105	TP-24-0.5	TP-24-3.5
Remarks						Dup. of TP-23-12.5			Field Blank		
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330	NA				S	S	NA		
2-Methylnaphthalene	10	330	NA		61 J	39 J			NA	400 J	120 J
Hexachlorocyclopentadiene	10	330	NA						NA		180 J
2,4,6-Trichlorophenol	10	330	NA						NA		
2,4,5-Trichlorophenol	50	1650	NA						NA		
2-Chloronaphthalene	10	330	NA						NA		
2-Nitroaniline	50	1650	NA						NA		
Dimethyl Phthalate	10	330	NA						NA	350 B	120 B
Acenaphthylene	10	330	NA						NA		
3-Nitroaniline	50	1650	NA						NA		
Acenaphthene	10	330	NA				S	S	NA		
2,4-Dinitrophenol	50	1650	NA						NA		
4-Nitrophenol	50	1650	NA				S	S	NA		
Dibenzofuran	10	330	NA						NA	210 J	
2,4-Dinitrotoluene	10	330	NA				S	S	NA		
2,6-Dinitrotoluene	10	330	NA						NA		
Diethylphthalate	10	330	NA						NA	1100 B	880 U
4-Chlorophenyl-phenylether	10	330	NA						NA		
Fluorene	10	330	NA						NA		
4-Nitroaniline	50	1650	NA						NA		
4,6-Dinitro-2-Methylphenol	50	1650	NA						NA		
N-Nitrosodiphenylamine	10	330	NA						NA	440 B	880 U
4-Bromophenyl-phenylether	10	330	NA						NA		
Hexachlorobenzene	10	330	NA						NA	1400	720 J
Pentachlorophenol	10	330	NA				S	S	NA		

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-23-6.5MSD	TP-23-9.5	TP-23-12.5	TP-49-12.5	TP-23-12.5MS	TP-23-12.5MSD	TP-23-105	TP-24-0.5	TP-24-3.5
Remarks						Dup. of TP-23-12.5			Field Blank		
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
Phenanthrene	10	330	NA		57 J	51 J	51 J	64 J	NA	410 J	130 J
Anthracene	10	330	NA						NA		
Di-n-Butylphthalate	10	330	NA						NA		
Fluoranthene	10	330	NA						NA	250 J	
Pyrene	10	330	NA						NA	240 J	
Butylbenzylphthalate	10	330	NA						NA		
3,3'-Dichlorobenzidine	20	660	NA						NA		
Benzo(a)Anthracene	10	330	NA						NA		
Chrysene	10	330	NA						NA	300 J	
bis(2-Ethylhexyl)Phthalate	10	330	NA		370 U	370 U	370 U	370 U	NA		130 J
Di-n-Octyl Phthalate	10	330	NA						NA		
Benzo(b)Fluoranthene	10	330	NA						NA	340 J	
Benzo(k)Fluoranthene	10	330	NA						NA	390 J	
Benzo(a)Pyrene	10	330	NA						NA		
Indeno(1,2,3-cd)Pyrene	10	330	NA						NA		
Dibenzo(a,h)Anthracene	10	330	NA						NA		
Benzo(g,h,i)Perylene	10	330	NA						NA		
Diphenyl Sulfone	10	330	NA	540	NA	NA	NA	NA	NA	2000	680
3,4-Dichloronitrobenzene	10	330	NA		NA	NA	NA	NA	NA		
Quantitation Limit Multiplier			NA	1.08	1.12	1.12	1.12	1.12	NA	1.35	2.67
Date Sample Received by Laboratory			NA	07/26/90	10/20/90	10/20/90	10/20/90	10/20/90	NA	07/26/90	07/26/90
Date Sample Extracted			NA	07/31/90	10/30/90	10/30/90	10/30/90	10/30/90	NA	07/31/90	07/31/90
Date of Sample Analysis			NA	09/08/90	11/02/90	11/02/90	11/02/90	11/02/90	NA	09/08/90	09/08/90
Instrument Used for Analysis			NA	GCMSS6	MS-F21	MS-F21	MS-F21	MS-F21	NA	GCMSS1	GCMSS1

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-23-6.5MSD	TP-23-9.5	TP-23-12.5	TP-49-12.5	TP-23-12.5MS	TP-23-12.5MSD	TP-23-105	TP-24-0.5	TP-24-3.5
Remarks						Dup. of TP-23-12.5			Field Blank		
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
alpha-BHC	0.05	8.0	NA								
beta-BHC	0.05	8.0	NA	R		R				180	
delta-BHC	0.05	8.0	NA							76 J	
Lindane	0.05	8.0	NA				S	S			
Heptachlor	0.05	8.0	NA				S	S			
Aldrin	0.05	8.0	NA				S	S			
Heptachlor epoxide	0.05	8 0	NA							R	
Endosulfan I	0.05	8.0	NA							R	
Dieldrin	0.10	16.0	NA				S	S			
4,4'-DDE	0 10	16 0	NA								
Endrin	0 10	16 0	NA				S	S		R	
Endosulfan II	0.10	16.0	NA								
4,4'-DDD	0.10	16.0	NA							R	
Endosulfan sulfate	0.10	16.0	NA							R	
4,4'-DDT	0.10	16 0	NA				S	S		100 J	
Methoxychlor	0.50	80	NA							R	
Endrin ketone	0.10	16.0	NA							R	
alpha-Chlordane	0.10	80	NA							R	
gamma-Chlordane	0.10	80	NA							R	
Toxaphene	1.0	160.0	NA								

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-23-6.5MSD	TP-23-9.5	TP-23-12.5	TP-49-12.5	TP-23-12.5MS	TP-23-12.5MSD	TP-23-105	TP-24-0.5	TP-24-3.5
Remarks						Dup. of TP-23-12.5			Field Blank		
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Aroclor-1016	0.5	80	NA								
Aroclor-1221	0.5	80	NA								
Aroclor-1232	0.5	80	NA								
Aroclor-1242	0.5	80	NA								
Aroclor-1248	0.5	80	NA								
Aroclor-1254	0.5	160	NA								
Aroclor-1260	0.5	160	NA								
Quantitation Limit Multiplier			NA	5.88	1.14	1 12	5.68	5.68	1.00	12.2	13.9
Date Sample Received By Laboratory			NA	10/20/90	10/20/90	10/20/90	10/20/90	10/20/90	10/20/90	10/19/90	10/19/90
Date Sample Extracted			NA	10/26/90	10/26/90	10/26/90	10/26/90	10/26/90	10/22/90	10/24/90	10/24/90
Date of Sample Analysis			NA	11/12/90	11/11/90	11/12/90	11/10/90	11/11/90	10/30/90	11/02/90	11/02/90
Instrument Used for Analysis			NA								

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-23-6.5MSD	TP-23-9.5	TP-23-12.5	TP-49-12.5	TP-23-12.5MS	TP-23-12.5MSD	TP-23-105	TP-24-0.5	TP-24-3.5
Remarks						Dup of TP-23-12.5			Field Blank		
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aqu)	Reporting Limit (Sol)									
Kepone	0.132	68.0	NA		UL	UL	S	S		*	*
Photomirex	0.0474	20.4	NA		UL	UL	S	S		*	*
Mirex	0.00544	18.5	NA	18.9 J	UL	5 93 J	S	S	0.00620	92800**	1620**
Reporting Limit Multiplier			NA	1.12	1.08	1.06	1.08	1.08	1.0	1.22/1220	1.64/411
Date Sample Received by Laboratory			NA	05/22/90	08/02/90	08/02/90	08/02/90	08/02/90	08/02/90	05/22/90	05/22/90
Date Sample Extracted			NA	05/30/90	08/23/90	08/23/90	08/23/90	08/23/90	08/08/90	05/30/90	05/30/90
Date of Sample Analysis			NA	08/09/90	08/27/90	08/27/90	08/27/90	08/27/90	08/28/90	08/08/90 & 08/11/90	08/11/90
Instrument Used for Analysis			NA	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-25-0.5	TP-25-3.5	TP-26-0.5	TP-26-0.5MS	TP-26-0.5MSD	TP-26-3.5	TP-26-6.5	TP-27-0.5	TP-45-0.5
Remarks											Dup. of TP-27-0.5
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Chloromethane	10	10		UL		UL	UL				
Bromomethane	10	10		UL		UL	UL				
Vinyl Chloride	10	10		UL		UL	UL				
Chloroethane	10	10		UL		UL	UL				
Methylene Chloride	5.0	5.0	25 U	30 U	6.0 U	13 U	51 U	18 U	10 U	8 0 U	5 0 U
Acetone	10	10	13 U	11 U		UL	UL	430	10 U		
Carbon Disulfide	5 0	5 0		UL		UL	UL				
1,1-Dichloroethene	5.0	5.0		UL		S	S				
1,1-Dichloroethane	5.0	5.0		UL		UL	UL				
1,2-Dichloroethene (total)	5.0	5.0		UL		UL	UL				
Chloroform	5.0	5.0		UL		UL	UL				
1,2-Dichloroethane	5.0	5.0		UL		UL	UL				
2-Butanone	10	10		UL		UL	UL	56			
1,1,1-Trichloroethane	5.0	5.0		UL		UL	UL				
Carbon Tetrachloride	5.0	5.0		UL		UL	UL				
Vinyl Acetate	10	10		UL		UL	UL				
Bromodichloromethane	5.0	5.0		UL		UL	UL				
1,1,2,2-Tetrachloroethane	5.0	5.0		2.0 J		UL	UL				
1,2-Dichloropropane	5.0	5.0	1.0 J	UL	2.0 J	2.0 J	7.0 J	7 0 J	8 0	7.0 J	
trans-1,3-Dichloropropene	5.0	5.0		UL		UL	UL				
Trichloroethene	5.0	5.0		UL		S	S				
Dibromochloromethane	5.0	5.0		UL		UL	UL				
1,1,2-Trichloroethane	5.0	5.0		UL		UL	UL				

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-25-0.5	TP-25-3.5	TP-26-0.5	TP-26-0.5MS	TP-26-0.5MSD	TP-26-3.5	TP-26-6.5	TP-27-0.5	TP-45-0.5
Remarks											Dup. of TP-27-0.5
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0		UL		S	S				
cis-1,3-Dichloropropene	5.0	5.0		UL		UL	UL				
Bromoform	5.0	5.0		UL		UL	UL				
2-Hexanone	10	10		UL		UL	UL				
4-Methyl-2-Pentanone	10	10		UL		UL	UL				
Tetrachloroethene	5.0	5.0		5.0 J		UL	UL				
Toluene	5.0	5.0		UL		S	S				
Chlorobenzene	5.0	5 0		UL		S	S				
Ethylbenzene	5.0	5.0		UL		UL	UL				
Styrene	5.0	5.0		UL		UL	UL				
Xylene (total)	5 0	5.0		UL		UL	UL				
Quantitation Limit Multiplier			1.3	1.1	1.16	1.20	6 10	5.41	1.20	1.22	1.16
Date Sample Received by Laboratory			06/13/90	06/13/90	05/22/90	05/22/90	05/22/90	05/22/90	05/22/90	05/22/90	05/22/90
Date of Sample Analysis			06/21/90	06/19/90	05/31/90	06/04/90	06/04/90	06/01/90	05/31/90	06/02/90	05/31/90
Instrument Used for Analysis			MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1
TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent											
VOLATILE COMPONENTS			-	-	-	-	-	-	-	-	-
4-Octene, (Z)											

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-25-0.5	TP-25-3.5	TP-26-0.5	TP-26-0.5MS	TP-26-0 5MSD	TP-26-3.5	TP-26-6.5	TP-27-0.5	TP-45-0.5
Remarks											Dup. of TP-27-0.5
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Phenol	10	330				S	S				
bis(2-Chloroethyl)Ether	10	330									
2-Chlorophenol	10	330				S	S				
1,3-Dichlorobenzene	10	330									
1,4-Dichlorobenzene	10	330				S	S				
Benzyl Alcohol	10	330									
1,2-Dichlorobenzene	10	330									
2-Methylphenol	10	330									
bis(2-Chloroisopropyl)Ether	10	330									
4-Methylphenol	10	330									
N-Nitroso-Di-n-Propylamine	10	330				S	S				
Hexachloroethane	10	330									
Nitrobenzene	10	330									
Isophorone	10	330									
2-Nitrophenol	10	330									
2,4-Dimethylphenol	10	330									
Benzoic Acid	50	1650									
bis(2-Chloroethoxy)Methane	10	330									
2,4-Dichlorophenol	10	330									
1,2,4-Trichlorobenzene	10	330				S	S				
Naphthalene	10	330									
4-Chloroaniline	10	330									
Hexachlorobutadiene	10	330									

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-25-0.5	TP-25-3.5	TP-26-0.5	TP-26-0.5MS	TP-26-0.5MSD	TP-26-3.5	TP-26-6.5	TP-27-0.5	TP-45-0.5
Remarks											Dup. of TP-27-0.5
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330				S	S				
2-Methylnaphthalene	10	330									
Hexachlorocyclopentadiene	10	330									
2,4,6-Trichlorophenol	10	330									
2,4,5-Trichlorophenol	50	1650									
2-Chloronaphthalene	10	330									
2-Nitroaniline	50	1650									
Dimethyl Phthalate	10	330								44 B	99 B
Acenaphthylene	10	330									
3-Nitroaniline	50	1650									
Acenaphthene	10	330				S	S				
2,4-Dinitrophenol	50	1650									
4-Nitrophenol	50	1650				S	S				
Dibenzofuran	10	330									
2,4-Dinitrotoluene	10	330				S	S				
2,6-Dinitrotoluene	10	330									
Diethylphthalate	10	330								400 U	820 U
4-Chlorophenyl-phenylether	10	330									
Fluorene	10	330									
4-Nitroaniline	50	1650									
4,6-Dinitro-2-Methylphenol	50	1650									
N-Nitrosodiphenylamine	10	330								400 U	820 U
4-Bromophenyl-phenylether	10	330									
Hexachlorobenzene	10	330	1500								
Pentachlorophenol	10	330				S	S				

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-25-0.5	TP-25-3.5	TP-26-0.5	TP-26-0.5MS	TP-26-0.5MSD	TP-26-3.5	TP-26-6.5	TP-27-0.5	TP-45-0.5
Remarks											Dup. of TP-27-0.5
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330					150 J				
Anthracene	10	330									
Di-n-Butylphthalate	10	330									
Fluoranthene	10	330				110 J	140 J				
Pyrene	10	330				S	S				
Butylbenzylphthalate	10	330									
3,3'-Dichlorobenzidine	20	660									
Benzo(a)Anthracene	10	330					65 J				
Chrysene	10	330									
bis(2-Ethylhexyl)Phthalate	10	330	510 J	120 J			65 J				
Di-n-Octyl Phthalate	10	330									
Benzo(b)Fluoranthene	10	330					96 J*				
Benzo(k)Fluoranthene	10	330					96 J*				
Benzo(a)Pyrene	10	330									
Indeno(1,2,3-cd)Pyrene	10	330									
Dibenzo(a,h)Anthracene	10	330									
Benzo(g,h,i)Perylene	10	330									
Diphenyl Sulfone	10	330	390 J								
3,4-Dichloronitrobenzene	10	330									
Quantitation Limit Multiplier			2.51	1.21	1.12	1.21	1.21	1.15	1.30	1.23	2.48
Date Sample Received by Laboratory			06/13/90	06/13/90	07/27/90	07/27/90	07/27/90	07/27/90	07/27/90	07/26/90	07/26/90
Date Sample Extracted			06/15/90	06/15/90	07/31/90	07/31/90	07/31/90	07/31/90	07/31/90	07/31/90	07/31/90
Date of Sample Analysis			07/13/90	07/13/90	09/06/90	09/06/90	09/06/90	09/06/90	09/06/90	09/08/90	09/08/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS5	GCMSS5	GCMSS5	GCMSS5	GCMSS5	GCMSS1	GCMSS1

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-25-0.5	TP-25-3.5	TP-26-0.5	TP-26-0.5MS	TP-26-0.5MSD	TP-26-3.5	TP-26-6.5	TP-27-0.5	TP-45-0.5
Remarks											Dup. of TP-27-0.5
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
alpha-BHC	0.05	8.0	UL								
beta-BHC	0.05	8.0									
delta-BHC	0.05	8.0									
Lindane	0.05	8.0			UL	S	S				
Heptachlor	0.05	8.0				S	S				
Aldrin	0.05	8 0				S	S				
Heptachlor epoxide	0.05	8.0									
Endosulfan I	0 05	8.0							R		
Dieldrin	0.10	16 0			UL	S	S				
4,4'-DDE	0.10	16 0									
Endrin	0.10	16.0			UL	S	S				
Endosulfan II	0.10	16.0									
4,4'-DDD	0.10	16.0									
Endosulfan sulfate	0.10	16.0									
4,4'-DDT	0.10	16.0	UL			S	S				
Methoxychlor	0.50	80		UL						R	
Endrin ketone	0.10	16.0									
alpha-Chlordane	0.10	80									
gamma-Chlordane	0.10	80									
Toxaphene	1.0	160.0									

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-25-0.5	TP-25-3.5	TP-26-0.5	TP-26-0.5MS	TP-26-0.5MSD	TP-26-3.5	TP-26-6.5	TP-27-0.5	TP-45-0.5
Remarks											Dup. of TP-27-0.5
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Aroclor-1016	0.5	80									
Aroclor-1221	0.5	80									
Aroclor-1232	0.5	80									
Aroclor-1242	0.5	80									
Aroclor-1248	0.5	80									
Aroclor-1254	0.5	160									
Aroclor-1260	0.5	160									
Quantitation Limit Multiplier			6.25	1.19	1 23	1.21	1.20	1.18	1.19	1 28	1.26
Date Sample Received By Laboratory			06/13/90	06/13/90	07/27/90	07/27/90	07/27/90	07/27/90	07/27/90	10/19/90	10/19/90
Date Sample Extracted			06/13/90	06/13/90	08/05/90	08/05/90	08/05/90	08/05/90	08/05/90	10/24/90	10/24/90
Date of Sample Analysis			07/18/90	07/18/90	08/15/90	08/15/90	08/15/90	08/15/90	08/15/90	11/01/90	11/01/90
Instrument Used for Analysis											

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-25-0.5	TP-25-3.5	TP-26-0.5	TP-26-0.5MS	TP-26-0.5MSD	TP-26-3.5	TP-26-6.5	TP-27-0.5	TP-45-0.5
Remarks											Dup. of TP-27-0.5
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aqu)	Reporting Limit (Sol)									
Kepone	0.132	68.0			R	S	S				
Photomirex	0.0474	20.4	*	*	7.23 J**	S	S	3.45 J**		2.57 J	2.03 J**
Mirex	0.00544	18.5	64,000 J**	2420 J	479 J**	S	S	313**		85.2 J	200 J**
Reporting Limit Multiplier			1.28/639	1.15/230	1.20/12.0	12.1	12.1	1.17/7.00	1.21	1.18	1.21/2.42
Date Sample Received by Laboratory			06/13/90	06/13/90	05/22/90	05/22/90	05/22/90	05/22/90	05/22/90	05/22/90	05/22/90
Date Sample Extracted			06/13/90	06/13/90	05/30/90	05/30/90	05/30/90	05/30/90	05/30/90	05/30/90	05/30/90
Date of Sample Analysis			08/09/90 & 8/11/90	08/09/90 & 8/11/90	08/07/90 & 08/09/90	08/09/90	08/09/90	08/07/90 & 08/09/90	08/07/90	08/08/90	08/07/90 & 08/08/90
Instrument Used for Analysis			GCMSS2	GCMSS2	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-27-3.5	TP-27-6.5	TP-28-0.5	TP-29-0.5	TP-29-3.5	TP-29-4.5
Remarks								
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)						
Chloromethane	10	10						
Bromomethane	10	10						
Vinyl Chloride	10	10						
Chloroethane	10	10						
Methylene Chloride	5.0	5.0	10 U	5.0 U	13 U	5.0 U	5.0 U	5.0 U
Acetone	10	10	15 U		260			
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	4.0 J		78			
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	4.0 J			4.0 J		
trans-1,3-Dichloropropene	5.0	5.0						
Trichloroethene	5.0	5.0						
Dibromochloromethane	5.0	5.0						
1,1,2-Trichloroethane	5.0	5.0						

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-27-3.5	TP-27-6.5	TP-28-0.5	TP-29-0.5	TP-29-3.5	TP-29-4.5
Remarks								
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0						
cis-1,3-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				1.0 J		
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			1.32	1.17	2.80	1.19	1.32	1.39
Date Sample Received by Laboratory			05/22/90	05/22/90	05/22/90	05/22/90	05/22/90	05/22/90
Date of Sample Analysis			05/31/90	06/01/90	05/31/90	06/01/90	06/01/90	06/01/90
Instrument Used for Analysis			MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1
TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent								
VOLATILE COMPONENTS			-	-	-	-	-	-
4-Octene, (Z)								

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-27-3.5	TP-27-6.5	TP-28-0.5	TP-29-0.5	TP-29-3.5	TP-29-4.5
Remarks								
Units			ug/kg	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						
Benzyl Alcohol	10	330						
1,2-Dichlorobenzene	10	330						
2-Methylphenol	10	330						
bis(2-Chloroisopropyl)Ether	10	330						
4-Methylphenol	10	330						280 J
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						390 J
Benzoic Acid	50	1650						
bis(2-Chloroethoxy)Methane	10	330						
2,4-Dichlorophenol	10	330						
1,2,4-Trichlorobenzene	10	330						
Naphthalene	10	330			70 J			88 J
4-Chloroaniline	10	330						
Hexachlorobutadiene	10	330						

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-27-3.5	TP-27-6.5	TP-28-0.5	TP-29-0.5	TP-29-3.5	TP-29-4.5
Remarks								
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330						
2-Methylnaphthalene	10	330			130 J			140 J
Hexachlorocyclopentadiene	10	330						
2,4,6-Trichlorophenol	10	330						
2,4,5-Trichlorophenol	50	1650						
2-Chloronaphthalene	10	330						
2-Nitroaniline	50	1650						
Dimethyl Phthalate	10	330						
Acenaphthylene	10	330						
3-Nitroaniline	50	1650						
Acenaphthene	10	330						
2,4-Dinitrophenol	50	1650						
4-Nitrophenol	50	1650						
Dibenzofuran	10	330						
2,4-Dinitrotoluene	10	330						
2,6-Dinitrotoluene	10	330						
Diethylphthalate	10	330	800 U	780 U				
4-Chlorophenyl-phenylether	10	330						
Fluorene	10	330						
4-Nitroaniline	50	1650						
4,6-Dinitro-2-Methylphenol	50	1650						
N-Nitrosodiphenylamine	10	330	800 U	780 U				
4-Bromophenyl-phenylether	10	330						
Hexachlorobenzene	10	330						
Pentachlorophenol	10	330						

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-27-3.5	TP-27-6.5	TP-28-0.5	TP-29-0.5	TP-29-3.5	TP-29-4.5
Remarks								
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330			82 J			110 J
Anthracene	10	330						
Di-n-Butylphthalate	10	330						
Fluoranthene	10	330						79 J
Pyrene	10	330						78 J
Butylbenzylphthalate	10	330						
3,3'-Dichlorobenzidine	20	660						
Benzo(a)Anthracene	10	330						
Chrysene	10	330						
bis(2-Ethylhexyl)Phthalate	10	330						
Di-n-Octyl Phthalate	10	330						
Benzo(b)Fluoranthene	10	330						99 J*
Benzo(k)Fluoranthene	10	330						99 J*
Benzo(a)Pyrene	10	330			190 J			
Indeno(1,2,3-cd)Pyrene	10	330						
Dibenzo(a,h)Anthracene	10	330						
Benzo(g,h,i)Perylene	10	330						
Diphenyl Sulfone	10	330						130 J
3,4-Dichloronitrobenzene	10	330						
Quantitation Limit Multiplier			2.41	2.37	1.84	1.18	1.30	1.64
Date Sample Received by Laboratory			07/26/90	07/26/90	07/27/90	07/27/90	07/27/90	07/27/90
Date Sample Extracted			07/31/90	07/31/90	07/31/90	07/31/90	07/31/90	07/31/90
Date of Sample Analysis			09/08/90	09/08/90	09/06/90	09/06/90	09/06/90	09/06/90
Instrument Used for Analysis			GCMSS1	GCMSS1	GCMSS5	GCMSS5	GCMSS5	GCMSS5

TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-27-3.5	TP-27-6.5	TP-28-0.5	TP-29-0.5	TP-29-3.5	TP-29-4.5
Remarks								
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)						
alpha-BHC	0.05	8.0					R	
beta-BHC	0.05	8.0					R	
delta-BHC	0.05	8.0					R	
Lindane	0.05	8.0					R	
Heptachlor	0.05	8.0					R	
Aldrin	0.05	8.0					R	
Heptachlor epoxide	0.05	8.0					R	
Endosulfan I	0.05	8.0					R	
Dieldrin	0.10	16.0					R	
4,4'-DDE	0.10	16.0					R	
Endrin	0.10	16.0					R	
Endosulfan II	0.10	16.0					R	
4,4'-DDD	0.10	16.0					R	
Endosulfan sulfate	0.10	16.0					R	
4,4'-DDT	0.10	16.0					R	
Methoxychlor	0.50	80					R	
Endrin ketone	0.10	16.0					R	
alpha-Chlordane	0.10	80					R	
gamma-Chlordane	0.10	80					R	
Toxaphene	1.0	160.0					R	

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-27-3.5	TP-27-6.5	TP-28-0.5	TP-29-0.5	TP-29-3.5	TP-29-4.5
Remarks								
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)						
Aroclor-1016	0.5	80					R	
Aroclor-1221	0.5	80					R	
Aroclor-1232	0.5	80					R	
Aroclor-1242	0.5	80					R	
Aroclor-1248	0.5	80					R	
Aroclor-1254	0.5	160					R	
Aroclor-1260	0.5	160					R	
Quantitation Limit Multiplier			1.23	1.18	18.75	1.21	1.25	1.62
Date Sample Received By Laboratory			10/19/90	10/19/90	07/27/90	07/27/90	07/27/90	07/27/90
Date Sample Extracted			10/24/90	10/24/90	08/05/90	08/05/90	08/05/90	08/05/90
Date of Sample Analysis			11/01/90	11/01/90	08/17/90	08/15/90	08/15/90	08/15/90
Instrument Used for Analysis								

TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-	Reporting Limit (Aqu)	Reporting Limit (Sol)	TP-27-3.5	TP-27-6.5	TP-28-0.5	TP-29-0.5	TP-29-3.5	TP-29-4.5
Remarks								
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS								
Kepone	0.132	68.0						
Photomirex	0.0474	20.4			2.80 J		4.61 J**	
Mirex	0.00544	18.5	21.3 J	9.19 J	278	5.88 J	186**	16.0 J
Reporting Limit Multiplier			1.24	1.24	2.46	1.25	1.33/6.64	1.42
Date Sample Received by Laboratory			05/22/90	05/22/90	05/22/90	05/22/90	05/22/90	05/22/90
Date Sample Extracted			05/30/90	05/30/90	05/30/90	05/30/90	05/30/90	05/30/90
Date of Sample Analysis			08/08/90	08/08/90 & 08/11/90	08/07/90	08/07/90	08/07/90 & 08/08/90	08/07/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3

VOLATILE ORGANIC ANALYSIS

ERM-Midwest Sample Number Laboratory Sample Number		RNS-TP-31-0.5 V001	RNS-TP-31-3.5 V002	RNS-TP-49-0.5 V003	RNS-TP-30-0.5 V004	RNS-TP-30-3.5 V005	RNS-TP-30-6 V006
Remarks				Duplicate of RNS-TP-31-0.5			
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
VOLATILE COMPOUNDS	Quantitation Limit						
Chloromethane	10						
Bromomethane	10	UJ	UJ	UJ	UJ	UJ	UJ
Vinyl Chloride	10						
Chloroethane	10						
Methylene Chloride	10	12 U	12 U	12 U		12 U	12 U
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						
Bromoform	10						
2-Hexanone	10						
4-Methyl-2-Pentanone	10						
Tetrachloroethene	10		2 J			1 J	
Toluene	10			2 J		2 J	
Chlorobenzene	10						
Ethylbenzene	10						
Styrene	10						
Total Xylenes	10						
Quantitation Limit Multiplier		1.2	1.2	1.1	1.2	1.2	1.1
Date of Sample Collection		11/09/92	11/09/92	11/09/92	11/09/92	11/09/92	11/09/92
Date Sample Received by Laboratory		11/10/92	11/10/92	11/10/92	11/10/92	11/10/92	11/10/92
Date of Sample Analysis		11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92
Instrument Used for Analysis		OWA-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050	OWA-1050

VOLATILE O. .NIC ANALYSIS					
ERM-Midwest Sample Number Laboratory Sample Number		RNS-TP-30-108 V007	RNS-SB-35-0.5 V008	RNS-TP-30-208 V009	RNS-SB-35-3.5 V012
Remarks		Field Blank		Trip Blank	
Units		ug/L	ug/Kg	ug/L	ug/Kg
VOLATILE COMPOUNDS	Quantitation Limit				
Chloromethane	10			11 N	
Bromomethane	10	UJ	UJ	UJ	UJ
Vinyl Chloride	10				
Chloroethane	10				
Methylene Chloride	10		12 U		12 U
Acetone	10	4 J		1 J	
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				
Bromoform	10				
2-Hexanone	10				
4-Methyl-2-Pentanone	10				
Tetrachloroethene	10				
Toluene	10				3 J
Chlorobenzene	10				
Ethylbenzene	10				
Styrene	10				
Total Xylenes	10				
Quantitation Limit Multiplier		1.0	1.2	1.0	1.2
Date of Sample Collection		11/09/92	11/09/92	11/09/92	11/09/92
Date Sample Received by Laboratory		11/10/92	11/10/92	11/10/92	11/10/92
Date of Sample Analysis		11/20/92	11/20/92	11/20/92	11/20/92
Instrument Used for Analysis		OWA-1050	OWA-1050	OWA-1050	OWA-1050

EXTRACTABLE ORGANIC ANALYSIS							
ERM-Midwest Sample Number			RNS-TP-31-0.5	RNS-TP-31-3.5	RNS-TP-49-0.5	RNS-TP-30-0.5	RNS-TP-30-3.5RE
Laboratory Sample Number			S001	S002	S003	S004	S005RE
Remarks					Duplicate of RNS-TP-31-0.5		
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)					Reextraction
Phenol	10	330					R
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	380 U	380 U	380 U	390 U	R
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			28 J		R
4-Chloroaniline	10	330	UJ	UJ	UJ	UJ	R
Hexachlorobutadiene	10	330					R
4-Chloro-3-Methylphenol	10	330					R
2-Methylnaphthalene	10	330	33 J	29 J	59 J		R
Hexachlorocyclopentadiene	10	330	UJ	UJ	UJ	UJ	R
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	UJ	UJ	R
Acenaphthene	10	330					R
2,4-Dinitrophenol	25	800					R
4-Nitrophenol	25	800	UJ	UJ	UJ	UJ	R
Dibenzofuran	10	330					R
2,4-Dinitrotoluene	10	330					R
2,6-Dinitrotoluene	10	330					R
Diethylphthalate	10	330					R
4-Chlorophenylphenylether	10	330					R

EXTRACTABLE ORGANIC ANALYSIS							
ERM-Midwest Sample Number			RNS-TP-31-0.5	RNS-TP-31-3.5	RNS-TP-49-0.5	RNS-TP-30-0.5	RNS-TP-30-3.5RE
Laboratory Sample Number			S001	S002	S003	S004	S005RE
Remarks					Duplicate of RNS-TP-31-0.5		
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)					Reextraction
Fluorene	10	330					R
4-Nitroaniline	25	800	UJ	UJ	UJ	UJ	R
4,6-Dinitro-2-Methylphenol	25	800					R
N-Nitrosodiphenylamine	10	330					R
4-Bromophenylphenylether	10	330					R
Hexachlorobenzene	10	330					R
Pentachlorophenol	25	800					R
Phenanthrene	10	330	86 J	74 J	100 J	35 J	R
Anthracene	10	330					R
Carbazole	10	330	UJ	UJ	UJ	UJ	R
Di-n-Butylphthalate	10	330			380 U	390 U	610 U
Fluoranthene	10	330			46 J	47 J	R
Pyrene	10	330	55 J		66 J	42 J	R
Butylbenzylphthalate	10	330					32 J
3,3'-Dichlorobenzidine	10	330	UJ	UJ	UJ	UJ	R
Benzo(a)anthracene	10	330					R
bis(2-Ethylhexyl)phthalate	10	330	380 U	380 U	380 U	390 U	380 U
Chrysene	10	330				38 J	R
Di-n-Octylphthalate	10	330	UJ	UJ	UJ	UJ	R
Benzo(b)fluoranthene	10	330				36 J	R
Benzo(k)fluoranthene	10	330				30 J	R
Benzo(a)pyrene	10	330				34 J	R
Indeno(1,2,3-cd)pyrene	10	330					R
Dibenz(a,h)anthracene	10	330					R
Benzo(g,h,i)perylene	10	330					R
3,4-Dichloronitrobenzene	10	330					R
Diphenylsulfone	25	800					R
Quantitation Limit Multiplier			1.15	1.15	1.15	1.19	1.15
Date of Sample Collection			11/09/92	11/09/92	11/09/92	11/09/92	11/09/92
Date Sample Received by Laboratory			11/10/92	11/10/92	11/10/92	11/10/92	11/10/92
Date Sample Extracted			11/19/92	11/19/92	11/19/92	11/19/92	1/12/93
Date of Sample Analysis			12/23/92	12/23/92	12/24/92	12/24/92	1/14/93
Instrument Used for Analysis			TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS						
ERM-Midwest Sample Number			RNS-TP-30-6	RNS-TP-30-108RE	RNS-SB-35-0.5	RNS-SB-35-3.5
Laboratory Sample Number			S006	S007RE	S008	S012
Remarks				Field Blank		
Units			ug/Kg	ug/L	ug/Kg	ug/Kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)		Reextraction		
Phenol	10	330		R		
bis(2-Chloroethyl)ether	10	330		R		
2-Chlorophenol	10	330		R		
1,3-Dichlorobenzene	10	330		R		
1,4-Dichlorobenzene	10	330		R	UJ	
1,2-Dichlorobenzene	10	330	380 U	R		390 U
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		R		
4-Chloroaniline	10	330	UJ	R	UJ	UJ
Hexachlorobutadiene	10	330		R		
4-Chloro-3-Methylphenol	10	330		R		
2-Methylnaphthalene	10	330		R		
Hexachlorocyclopentadiene	10	330	UJ	R	UJ	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	R	UJ	UJ
Acenaphthene	10	330		R		
2,4-Dinitrophenol	25	800		R		
4-Nitrophenol	25	800	UJ	R	UJ	UJ
Dibenzofuran	10	330		R		
2,4-Dinitrotoluene	10	330		R		
2,6-Dinitrotoluene	10	330		R		
Diethylphthalate	10	330		R		
4-Chlorophenylphenylether	10	330		R		

EXTRACTABLE ORGANIC ANALYSIS						
ERM-Midwest Sample Number			RNS-TP-30-6	RNS-TP-30-108RE	RNS-SB-35-0.5	RNS-SB-35-3.5
Laboratory Sample Number			S006	S007RE	S008	S012
Remarks				Field Blank		
Units			ug/Kg	ug/L	ug/Kg	ug/Kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)		Reextraction		
Fluorene	10	330		R		
4-Nitroaniline	25	800	UJ	R	UJ	UJ
4,6-Dinitro-2-Methylphenol	25	800		R		
N-Nitrosodiphenylamine	10	330		R		
4-Bromophenylphenylether	10	330		R		
Hexachlorobenzene	10	330		R		
Pentachlorophenol	25	800		R		
Phenanthrene	10	330		R		
Anthracene	10	330		R		
Carbazole	10	330	UJ	R	UJ	UJ
Di-n-Butylphthalate	10	330	380 U	1 J	390 U	390 U
Fluoranthene	10	330		R	29 J	
Pyrene	10	330		R	25 J	
Butylbenzylphthalate	10	330		R		
3,3'-Dichlorobenzidine	10	330	UJ	R	UJ	UJ
Benzo(a)anthracene	10	330		R		
bis(2-Ethylhexyl)phthalate	10	330	380 U	2 J	390 U	390 U
Chrysene	10	330		R		
Di-n-Octylphthalate	10	330	UJ	R	UJ	UJ
Benzo(b)fluoranthene	10	330		R		
Benzo(k)fluoranthene	10	330		R		
Benzo(a)pyrene	10	330		R		
Indeno(1,2,3-cd)pyrene	10	330		R		
Dibenz(a,h)anthracene	10	330		R		
Benzo(g,h,i)perylene	10	330		R		
3,4-Dichloronitrobenzene	10	330		R		
Diphenylsulfone	25	800		R		
Quantitation Limit Multiplier			1.15	1 00	1.19	1.19
Date of Sample Collection			11/09/92	11/09/92	11/09/92	11/09/92
Date Sample Received by Laboratory			11/10/92	11/10/92	11/10/92	11/10/92
Date Sample Extracted			11/19/92	1/12/93	11/19/92	11/19/92
Date of Sample Analysis			12/24/92	1/14/93	12/24/92	12/24/92
Instrument Used for Analysis			TRIO-1A	TRIO-1A	TRIO-1A	TRIO-1A

EXTRACTABLE ORGANIC ANALYSIS						
ERM-Midwest Sample Number			RNS-TP-31-0.5	RNS-TP-31-3.5	RNS-TP-49-0.5	RNS-TP-30-0.5
Laboratory Sample Number			P001	P002	P003	P004
Remarks					Duplicate of RNS-TP-31-0 5	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg
PESTICIDES/AROCLORS	Quantitation Limit (Aq)	Quantitation Limit (Sol)				
alpha-BHC	0.05	1.7	UJ	UJ		UJ
beta-BHC	0 05	1.7	UJ	UJ		UJ
delta-BHC	0.05	1.7	UJ	UJ		UJ
gamma-BHC (Lindane)	0 05	1.7	UJ	UJ		UJ
Heptachlor	0.05	1 7	UJ	UJ		UJ
Aldrin	0 05	1 7	UJ	UJ		UJ
Heptachlor Epoxide	0.05	1.7	UJ	UJ		UJ
Endosulfan I	0.05	1.7	UJ	UJ		UJ
Dieldrin	0.10	3 3	UJ	UJ		UJ
4,4'-DDE	0 10	3.3	UJ	UJ		UJ
Endrin	0.10	3 3	UJ	UJ		UJ
Endosulfan II	0.10	3 3	UJ	UJ		UJ
4,4'-DDD	0.10	3.3	UJ	UJ		UJ
Endosulfan Sulfate	0.10	3 3	UJ	UJ		UJ
4,4'-DDT	0.10	3.3	UJ	UJ		UJ
Methoxychlor	0 50	17	UJ	UJ		UJ
Endrin Ketone	0.10	3 3	UJ	UJ		UJ
Endrin Aldehyde	0.10	3 3	UJ	UJ		UJ
alpha-Chlordane	0.05	1.7	UJ	UJ		UJ
gamma-Chlordane	0.05	1.7	UJ	UJ		UJ
Toxaphene	5.00	170	UJ	UJ		UJ
Aroclor-1016	1.00	33	UJ	UJ		UJ
Aroclor-1221	2.00	67	UJ	UJ		UJ
Aroclor-1232	1 00	33	UJ	UJ		UJ
Aroclor-1242	1.00	33	UJ	UJ		UJ
Aroclor-1248	1.00	33	UJ	UJ		UJ
Aroclor-1254	1.00	33	UJ	UJ		UJ
Aroclor-1260	1.00	33	UJ	UJ		UJ
Quantitation Limit Multiplier			1.16	1.18	1.12	1.18
Date of Sample Collection			11/09/92	11/09/92	11/09/92	11/09/92
Date Sample Received by Laboratory			11/10/92	11/10/92	11/10/92	11/10/92
Date Sample Extracted			11/17/92	11/17/92	11/17/92	11/17/92
Date of Sample Analysis			12/23/92	12/23/92	12/23/92	12/23/92

EXTRACTAL ORGANIC ANALYSIS							
ERM-Midwest Sample Number			RNS-TP-30-3.5	RNS-TP-30-6	RNS-TP-30-108	RNS-SB-35-0.5	RNS-SB-35-3.5
Laboratory Sample Number			P005	P006	P007	P008	P012
Remarks					Field Blank		
Units			ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg
PESTICIDES/AROCLORS	Quantitation Limit (Aq)	Quantitation Limit (Sol)					
alpha-BHC	0.05	1.7	R	UJ	UJ	UJ	UJ
beta-BHC	0 05	1.7	R	UJ	UJ	UJ	UJ
delta-BHC	0.05	1.7	R	UJ	UJ	UJ	UJ
gamma-BHC (Lindane)	0.05	1 7	R	UJ	UJ	UJ	UJ
Heptachlor	0.05	1.7	R	UJ	UJ	UJ	UJ
Aldrin	0.05	1 7	R	UJ	UJ	UJ	UJ
Heptachlor Epoxide	0.05	1.7	R	UJ	UJ	UJ	UJ
Endosulfan I	0.05	1.7	R	UJ	UJ	UJ	UJ
Dieldrin	0.10	3.3	R	UJ	UJ	UJ	UJ
4,4'-DDE	0.10	3.3	R	UJ	UJ	UJ	UJ
Endrin	0.10	3.3	R	UJ	UJ	UJ	UJ
Endosulfan II	0 10	3.3	R	UJ	UJ	UJ	UJ
4,4'-DDD	0.10	3.3	R	UJ	UJ	UJ	UJ
Endosulfan Sulfate	0.10	3 3	R	UJ	UJ	UJ	UJ
4,4'-DDT	0.10	3.3	R	UJ	UJ	UJ	UJ
Methoxychlor	0 50	17	R	UJ	UJ	UJ	UJ
Endrin Ketone	0 10	3 3	R	UJ	UJ	UJ	UJ
Endrin Aldehyde	0.10	3.3	R	UJ	UJ	UJ	UJ
alpha-Chlordane	0.05	1.7	R	UJ	UJ	UJ	UJ
gamma-Chlordane	0 05	1 7	R	UJ	UJ	UJ	UJ
Toxaphene	5.00	170	R	UJ	UJ	UJ	UJ
Aroclor-1016	1 00	33	R	UJ	UJ	UJ	UJ
Aroclor-1221	2.00	67	R	UJ	UJ	UJ	UJ
Aroclor-1232	1.00	33	R	UJ	UJ	UJ	UJ
Aroclor-1242	1.00	33	R	UJ	UJ	UJ	UJ
Aroclor-1248	1.00	33	R	UJ	UJ	UJ	UJ
Aroclor-1254	1.00	33	R	UJ	UJ	UJ	UJ
Aroclor-1260	1.00	33	R	UJ	UJ	UJ	UJ
Quantitation Limit Multiplier			1 16	1.12	1.00	1.18	1.18
Date of Sample Collection			11/09/92	11/09/92	11/09/92	11/09/92	11/09/92
Date Sample Received by Laboratory			11/10/92	11/10/92	11/10/92	11/10/92	11/10/92
Date Sample Extracted			11/17/92	11/17/92	11/11/92	11/17/92	11/17/92
Date of Sample Analysis			12/23/92	12/24/92	1/06/93	12/24/92	12/24/92

EXTRACTAL ORGANIC ANALYSIS

ERM-Midwest Sample Number Laboratory Sample Number			RNS-TP-31-0.5 M001	RNS-TP-31-3.5 M002	RNS-TP-49-0.5 M003	RNS-TP-30-0.5 M004	RNS-TP-30-3.5 M005	RNS-TP-30-6 M006
Remarks					Duplicate of RNS-TP-31-0.5			
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
	Reporting Limit (Aq)	Reporting Limit (Sol)						
Kepone	0 132	68.0						
Photomirex	0.0474	20 4				5.65 J		
Mirex	0.00544	18 5	13 2 B		20 6 U	100 B		
Reporting Limit Multiplier			1.07	1 15	1 11	1 11	1.15	1.13
Date of Sample Collection			11/09/92	11/09/92	11/09/92	11/09/92	11/09/92	11/09/92
Date Sample Received by Laboratory			11/10/92	11/10/92	11/10/92	11/10/92	11/10/92	11/10/92
Date Sample Extracted			11/19/92	11/19/92	11/19/92	11/19/92	11/19/92	11/19/92
Date of Sample Analysis			12/26/92	12/26/92	12/26/92	12/26/92	12/26/92	12/26/92
Instrument Used for Analysis			MS-4000	MS-4000	MS-4000	MS-4000	MS-4000	MS-4000

EXTRACTAB. RGANIC ANALYSIS						
ERM-Midwest Sample Number Laboratory Sample Number			RNS-TP-30-108 M007	RNS-TP-30-108RE M007RE	RNS-SB-35-0.5 M008	RNS-SB-35-3.5 M012
Remarks			Field Blank	Field Blank		
Units			ug/L	ug/L	ug/Kg	ug/Kg
	Reporting Limit (Aq)	Reporting Limit (Sol)		Reanalysis		
Kepone	0.132	68 0	R	R		
Photomirex	0.0474	20.4			0.599 J	
Mirex	0.00544	18.5	0 0293 J	0.0255 J	9 59 B	6.39 B
Reporting Limit Multiplier			1 00	1 00	1.16	1.17
Date of Sample Collection			11/09/92	11/09/92	11/09/92	11/09/92
Date Sample Received by Laboratory			11/10/92	11/10/92	11/10/92	11/10/92
Date Sample Extracted			11/19/92	11/19/92	11/19/92	11/19/92
Date of Sample Analysis			12/20/92	12/22/92	12/26/92	12/26/92
Instrument Used for Analysis			MS-4000	MS-4000	MS-4000	MS-4000

DIOXIN AND FURAN ANALYTICAL RESULTS

ERS Midwest Sample Number ERS- Laboratory Sample Number	TP-47-0.5 052240-001	TP-14-0.5 052240-002	TP-14-2.5 052240-003	TP-17-104 052240-004	TP-14-0.5 052240-005	TP-17-0.5 052240-006	TP-17-2.5 052240-007	TP-17-0.5 052240-008	TP-46-0.5 052969-001	TP-20-0.5 052969-002	TP-23-2.5 052969-003	TP-23-0.5 052969-004	TP-23-0.5 052969-005	TP-15-102 052969-006	TP-13-0.5 052969-007
Units	ng/g	ng/g	ng/g	ng/l	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/l	ng/g
DIOXINS AND FURANS				Field Blank										Field Blank	
Total TCDD	0.0043 U	0.0023 U	0.0046 U	0.079 U	0.0077 U	0.0064 U	0.0040 U	0.0041 U	0.0065 U	0.0073 U	0.0081 U	0.0067 U	0.0049 U	0.056 U	0.0061 U
2,3,7,8-TCDD	0.0043 U	0.0023 U	0.0046 U	0.079 U	0.0077 U	0.0064 U	0.0040 U	0.0041 U	0.0065 U	0.0073 U	0.0081 U	0.0067 U	0.0049 U	0.056 U	0.0061 U
Total PeCDDs	0.013 U	0.0057 U	0.0083 U	0.32 U	0.021 U	0.020 U	0.0074 U	0.0090 U	0.015 U	0.013 U	0.015 U	0.013 U	0.011 U	0.14 U	0.010 U
1,2,3,7,8-PeCDD	0.013 U	0.0057 U	0.0083 U	0.32 U	0.021 U	0.020 U	0.0074 U	0.0090 U	0.015 U	0.013 U	0.015 U	0.013 U	0.011 U	0.14 U	0.010 U
Total HxCDDs	0.020 U	0.014 U	0.012 U	0.42 U	0.031 U	0.049 U	0.010 U	0.012 U	0.020 U	0.020 U	0.015 U	0.017 U	0.010 U	0.18 U	0.017 U
1,2,3,4,7,8-HxCDD	0.020 U	0.014 U	0.012 U	0.48 U	0.031 U	0.049 U	0.010 U	0.012 U	0.020 U	0.020 U	0.015 U	0.017 U	0.010 U	0.18 U	0.017 U
1,2,3,6,7,8-HxCDD	0.020 U	0.014 U	0.012 U	0.48 U	0.031 U	0.049 U	0.010 U	0.012 U	0.020 U	0.020 U	0.015 U	0.017 U	0.010 U	0.18 U	0.017 U
1,2,3,7,8,9-HxCDD	0.020 U	0.014 U	0.012 U	0.48 U	0.031 U	0.049 U	0.010 U	0.012 U	0.020 U	0.020 U	0.015 U	0.017 U	0.010 U	0.18 U	0.017 U
Total HpCDDs	0.018 U	0.024 U	0.013 U	0.18 U	0.013 U	0.011 U	0.0066 U	0.0052 U	0.015 U	0.015 U	0.010 U	0.014 U	0.0096 U	0.088 U	0.095
1,2,3,4,6,7,8-HpCDD	0.018 U	0.024 U	0.013 U	0.18 U	0.013 U	0.011 U	0.0066 U	0.0052 U	0.015 U	0.015 U	0.010 U	0.014 U	0.0096 U	0.088 U	0.030
OCDD	0.059 U	0.092 U	0.062 U	0.32 U	0.037 U	0.021 U	0.015 U	0.033 U	0.37	0.33	0.082	0.025 U	0.020 U	0.18 U	0.29
Total TCDFs	0.0028 U	0.0043 U	0.0052 U	0.082 U	0.0086 U	0.0048 U	0.0051 U	0.0033 U	0.0065 U	0.0069 U	0.0053 U	0.0069 U	0.0042 U	0.051 U	0.53
2,3,7,8-TCDF	0.0028 U	0.0043 U	0.0052 U	0.082 U	0.0086 U	0.0048 U	0.0051 U	0.0033 U	0.0065 U	0.0069 U	0.0053 U	0.0069 U	0.0042 U	0.051 U	0.15
Total PeCDFs	0.0055 U	0.0039 U	0.0039 U	0.092 U	0.0087 U	0.017 U	0.0027 U	0.0033 U	0.0049 U	0.0065 U	0.0053 U	0.0052 U	0.0039 U	0.051 U	0.43
1,2,3,7,8-PeCDF	0.0055 U	0.0039 U	0.0039 U	0.092 U	0.0087 U	0.017 U	0.0027 U	0.0033 U	0.0049 U	0.0065 U	0.0053 U	0.0052 U	0.0039 U	0.051 U	0.27
2,3,4,7,8-PeCDF	0.0055 U	0.0039 U	0.0039 U	0.092 U	0.0087 U	0.017 U	0.0027 U	0.0033 U	0.0049 U	0.0065 U	0.0053 U	0.0052 U	0.0039 U	0.051 U	0.033 U
Total HxCDFs	0.011 U	0.0033 U	0.0069 U	0.13 U	0.017 U	0.029 U	0.0048 U	0.0064 U	0.0077 U	0.0067 U	0.0067 U	0.0080 U	0.0050 U	0.054 U	0.13
1,2,3,4,7,8-HxCDF	0.011 U	0.0033 U	0.0069 U	0.13 U	0.017 U	0.029 U	0.0048 U	0.0064 U	0.0077 U	0.0067 U	0.0067 U	0.0080 U	0.0050 U	0.054 U	0.042 U
1,2,3,6,7,8-HxCDF	0.011 U	0.0033 U	0.0069 U	0.13 U	0.017 U	0.029 U	0.0048 U	0.0064 U	0.0077 U	0.0067 U	0.0067 U	0.0080 U	0.0050 U	0.054 U	0.042 U
2,3,4,6,7,8-HxCDF	0.011 U	0.0033 U	0.0069 U	0.13 U	0.017 U	0.025 U	0.0048 U	0.0064 U	0.0077 U	0.0067 U	0.0067 U	0.0080 U	0.0050 U	0.054 U	0.0069 U
1,2,3,7,8,9-HxCDF	0.011 U	0.0033 U	0.0069 U	0.13 U	0.017 U	0.029 U	0.0048 U	0.0064 U	0.0077 U	0.0067 U	0.0067 U	0.0080 U	0.0050 U	0.054 U	0.0069 U
Total HpCDFs	0.0064 U	0.0050 U	0.0074 U	0.18 U	0.012 U	0.0088 U	0.0058 U	0.0049 U	0.013 U	0.019 U	0.011 U	0.012 U	0.0079 U	0.11 U	0.26
1,2,3,4,6,7,8-HpCDF	0.0064 U	0.0050 U	0.0074 U	0.18 U	0.012 U	0.0088 U	0.0058 U	0.0049 U	0.013 U	0.019 U	0.011 U	0.012 U	0.0079 U	0.11 U	0.048 U
1,2,3,4,7,8-HpCDF	0.0064 U	0.0050 U	0.0074 U	0.18 U	0.012 U	0.0088 U	0.0058 U	0.0049 U	0.013 U	0.019 U	0.011 U	0.012 U	0.0079 U	0.11 U	0.011 U
OCDF	0.018 U	0.027 U	0.036 U	0.48 U	0.035 U	0.025 U	0.020 U	0.030 U	0.038 U	0.042 U	0.025 U	0.032 U	0.021 U	0.48 U	0.26
Date Sample Received by Laboratory	6/12/96	6/12/96	6/12/96	6/12/96	6/12/96	6/12/96	6/12/96	6/12/96	5/22/96	5/22/96	5/22/96	5/22/96	5/22/96	5/22/96	5/22/96
Date Sample Extracted	6/13/96	6/13/96	6/13/96	6/13/96	6/13/96	6/13/96	6/13/96	6/13/96	5/29/96	5/29/96	5/29/96	5/29/96	5/29/96	5/29/96	5/29/96

DIOXIN AND FURAN ANALYTICAL RESULTS

ERF Midwest Sample Number / Laboratory Sample Number	TF-15-3.5 052969-008	TF-1[illegible] 052969-009	TF-1[illegible]-0.5 052969-010	TF-22-0.5 053263-001	TF-22-3.5 053263-002	TF-22-0.5 053263-003	TF-2[illegible]-0.5 053263-004	TF-25-3.5 053263-005
Units	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
DIOXINS AND FURANS								
Total TCDD	0.0024 U	0.0033 U	0.003 U	0.0052 U	0.020 U	0.0098 U	0.0097 U	0.0066 U
2,3,7,8-TCDD	0.0024 U	0.0033 U	0.003 U	0.0052 U	0.020 U	0.0098 U	0.0097 U	0.0066 U
Total PeCDDs	0.010 U	0.0096 U	0.010 U	0.012 U	0.031 U	0.032 U	0.026 U	0.021 U
1,2,3,7,8-PeCDD	0.010 U	0.0096 U	0.010 U	0.012 U	0.031 U	0.032 U	0.026 U	0.021 U
Total HxCDDs	0.018 U	0.011 U	0.017 U	0.032 U	0.021 U	0.030 U	0.027 U	0.024 U
1,2,3,4,7,8-HxCDD	0.018 U	0.011 U	0.017 U	0.032 U	0.021 U	0.030 U	0.027 U	0.024 U
1,2,3,6,7,8-HxCDD	0.018 U	0.011 U	0.017 U	0.032 U	0.021 U	0.030 U	0.027 U	0.024 U
1,2,3,7,8,9-HxCDD	0.018 U	0.011 U	0.017 U	0.032 U	0.021 U	0.030 U	0.027 U	0.024 U
Total HpCDDs	0.013 U	0.0074 U	0.0095 U	0.015 U	0.010 U	0.020 U	0.018 U	0.015 U
1,2,3,4,6,7,8-HpCDD	0.013 U	0.0074 U	0.0095 U	0.015 U	0.010 U	0.020 U	0.018 U	0.015 U
OCDD	0.095	0.093	0.025 U	0.037 U	1.2 NPC	0.27	0.11 U	0.045 U
Total TCDFs	0.064	0.016	0.0032 U	0.005 U	0.0061 U	0.0086 U	0.010 U	0.0083 U
2,3,7,8-TCDF	0.019	0.0083 U	0.0032 U	0.005 U	0.0061 U	0.0086 U	0.010 U	0.0083 U
Total PeCDFs	0.012 U	0.011 U	0.0031 U	0.0072 U	0.010 U	0.010 U	0.0073 U	0.0073 U
1,2,3,7,8-PeCDF	0.012 U	0.011 U	0.0031 U	0.0072 U	0.010 U	0.010 U	0.0073 U	0.0073 U
2,3,4,7,8-PeCDF	0.012 U	0.011 U	0.0031 U	0.0072 U	0.010 U	0.010 U	0.0073 U	0.0073 U
Total HxCDFs	0.011 U	0.0045 U	0.0068 U	0.014 U	0.015 U	0.018 U	0.012 U	0.014 U
1,2,3,4,7,8-HxCDF	0.011 U	0.0045 U	0.0068 U	0.014 U	0.015 U	0.018 U	0.012 U	0.014 U
1,2,3,6,7,8-HxCDF	0.011 U	0.0045 U	0.0068 U	0.014 U	0.015 U	0.018 U	0.012 U	0.014 U
2,3,4,6,7,8-HxCDF	0.011 U	0.0045 U	0.0068 U	0.014 U	0.015 U	0.018 U	0.012 U	0.014 U
1,2,3,7,8,9-HxCDF	0.011 U	0.0045 U	0.0068 U	0.014 U	0.015 U	0.018 U	0.012 U	0.014 U
Total HpCDFs	0.0093 U	0.0069 U	0.0083 U	0.012 U	0.014 U	0.013 U	0.017 U	0.0076 U
1,2,3,4,6,7,8-HpCDF	0.0093 U	0.0069 U	0.0083 U	0.012 U	0.014 U	0.013 U	0.017 U	0.0076 U
1,2,3,4,7,8,9-HpCDF	0.0093 U	0.0069 U	0.0083 U	0.012 U	0.014 U	0.013 U	0.017 U	0.0076 U
OCDF	0.021 U	0.019 U	0.021 U	0.038 U	0.037 U	0.064 U	0.060 U	0.045 U
Date Sample Received by Laboratory	5/22/90	5/22/90	5/22/90	6/13/90	6/13/90	6/13/90	6/13/90	6/13/90
Date Sample Extracted	5/29/90	5/29/90	5/29/90	6/15/90	6/15/90	6/15/90	6/15/90	6/15/90

NOTES: NPC Concentration reported by the laboratory as maximum possible concentration.
U This analyte was not detected at or above the associated numerical value.

TEST PITS

SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Legend:

-	Compound was not detected.
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.
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.

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concentrations

ERM-Midwest Sample Number RNS-	TP-01-0.5	TP-01-2.5	TP-01-3.5	TP-01-5.5	TP-01-6.5	TP-02-0.5	TP-02-2.5	TP-02-3.5	TP-02-5.5	TP-02-6.5
Remarks										
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS		NA	-	NA		-	NA	-	NA	-
Dibenzofuran		NA		NA			NA		NA	
2-Methylnaphthalene		NA		NA			NA		NA	
Hexadecanoic Acid		NA		NA			NA		NA	
Tetradecanoic Acid		NA		NA			NA		NA	
Diazene, bis(3,4-dichlorophenyl)	970 J	NA		NA			NA		NA	
Diazene, bis(3,4-dichlorophenyl)1-oxide	1500 J	NA		NA			NA		NA	
C8H18 Isomer		NA		NA	19,000 J		NA		NA	
Benzoyl Chloride, 4-Bromo-		NA		NA			NA		NA	
Benzene, (1,2-Dimethoxy)ethyl		NA		NA			NA		NA	
Benzene-dimethoxyethyl Isomer		NA		NA			NA		NA	
Benzenesulfonamide		NA		NA			NA		NA	
1,4-bis(4-Bromophenyl)-1,4-butanedione		NA		NA			NA		NA	
Tridecane		NA		NA			NA		NA	
Pentadecane		NA		NA			NA		NA	
Heptadecane		NA		NA			NA		NA	
Mirex		NA		NA			NA		NA	
Hexadecane		NA		NA			NA		NA	
Eicosane		NA		NA			NA		NA	
4-CHLOROBENZENE SULFONAMIDE		NA		NA			NA		NA	
Diphenylethanedione		NA		NA			NA		NA	
Dichlorophenol isomer		NA		NA			NA		NA	
Phenol, 2,4-dichloro-, Benzenesulfonate		NA		NA			NA		NA	
2-Propanol, 1,3-dichloropropane		NA		NA			NA		NA	

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concentrations

ERM-Midwest Sample Number RNS-	TP-01-0.5	TP-01-2.5	TP-01-3.5	TP-01-5.5	TP-01-6.5	TP-02-0.5	TP-02-2.5	TP-02-3.5	TP-02-5.5	TP-02-6.5
Remarks										
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Alkanes		NA		NA			NA		NA	
Aldehydes		NA		NA			NA		NA	
alpha-oxo-Benzenacetonitrile		NA		NA			NA		NA	
1,1'-Sulfonylbis-benzene		NA		NA			NA		NA	
1-Chloro-4-(phenylsulfonyl)-benzene		NA		NA			NA		NA	
Octadecanoic Acid Ester		NA		NA			NA		NA	
Alkene		NA		NA			NA		NA	
2-(2-hydroxyethyl)-1H-isoindole-1,3(2H)-dione		NA		NA			NA		NA	
Adipate		NA		NA			NA		NA	
Bromochlorobenzene isomer		NA		NA			NA		NA	
Alcohol		NA		NA			NA		NA	
2-Bromo-1,3 cyclopentanedione		NA		NA			NA		NA	
4-phenyl-3-buten-2-one		NA		NA			NA		NA	
Benzophenone		NA		NA			NA		NA	
Bis(bromophenyl)diazene isomer		NA		NA			NA		NA	
1,5-Diphenyl-1,4-pentadien-3-one		NA		NA			NA		NA	

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	TP-03-6.5	TP-04-0.5	TP-04-3.5	TP-04-6.5	TP-04-6.5MS	TP-04-6.5MSD	TP-05-0.5	TP-05-3.5	TP-06-0.5	TP-41-0.5
Remarks					Matrix Spike of TP-04-6.5	Matrix Spike of TP-04-6.5				Dup. of TP-06-0.5
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS	-	-	-	-	NA	NA	-	-	-	-
Dibenzofuran					NA	NA				
2-Methylnaphthalene					NA	NA				
Hexadecanoic Acid					NA	NA				
Tetradecanoic Acid					NA	NA				
Diazene, bis(3,4-dichlorophenyl)					NA	NA				
Diazene, bis(3,4-dichlorophenyl)1-oxide					NA	NA				
C8H18 Isomer					NA	NA				
Benzoyl Chloride, 4-Bromo-					NA	NA				
Benzene, (1,2-Dimethoxy)ethyl					NA	NA				
Benzene-dimethoxyethyl Isomer					NA	NA				
Benzenesulfonamide					NA	NA				
1,4-bis(4-Bromophenyl)-1,4-butanedione					NA	NA				
Tridecane					NA	NA				
Pentadecane					NA	NA				
Heptadecane					NA	NA				
Mirex					NA	NA				
Hexadecane					NA	NA				
Eicosane					NA	NA				
4-CHLOROBENZENE SULFONAMIDE					NA	NA				
Diphenylethanedione					NA	NA				
Dichlorophenol isomer					NA	NA				
Phenol, 2,4-dichloro-, Benzenesulfonate					NA	NA				
2-Propanol, 1,3-dichloropropane					NA	NA				

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	TP-03-6.5	TP-04-0.5	TP-04-3.5	TP-04-6.5	TP-04-6.5MS	TP-04-6.5MSD	TP-05-0.5	TP-05-3.5	TP-06-0.5	TP-41-0.5
Remarks					Matrix Spike of TP-04-6.5	Matrix Spike of TP-04-6.5				Dup. of TP-06-0.5
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Alkanes					NA	NA				
Aldehydes					NA	NA				
alpha-oxo-Benzenacetonitrile					NA	NA				
1,1'-Sulfonylbis-benzene					NA	NA				
1-Chloro-4-(phenylsulfonyl)-benzene					NA	NA				
Octadecanoic Acid Ester					NA	NA				
Alkene					NA	NA				
2-(2-hydroxyethyl)-1H-isoindole-1,3(2H)-dione					NA	NA				
Adipate					NA	NA				
Bromochlorobenzene isomer					NA	NA				
Alcohol					NA	NA				
2-Bromo-1,3 cyclopentanedione					NA	NA				
4-phenyl-3-buten-2-one					NA	NA				
Benzophenone					NA	NA				
Bis(bromophenyl)diazene isomer					NA	NA				
1,5-Diphenyl-1,4-pentadien-3-one					NA	NA				

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	TP-06-3.5	TP-06-6.5	TP-06-100	TP-06-200	TP-07-0.5	TP-07-3.5	TP-07-6.5	TP-08-0.5	TP-08-3.5	TP-08-6.5
Remarks			Field Blank	Trip Blank						
Units	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS	-	-	-	-	-	-	-			
Dibenzofuran										
2-Methylnaphthalene										
Hexadecanoic Acid										
Tetradecanoic Acid										
Diazene, bis(3,4-dichlorophenyl)										
Diazene, bis(3,4-dichlorophenyl)1-oxide										
C8H18 Isomer										
Benzoyl Chloride, 4-Bromo-								250 J	200 J	
Benzene, (1,2-Dimethoxy)ethyl										
Benzene-dimethoxyethyl Isomer										
Benzenesulfonamide										
1,4-bis(4-Bromophenyl)-1,4-butanedione										190 J
Tridecane										
Pentadecane										
Heptadecane										
Mirex										
Hexadecane										
Eicosane										
4-CHLOROBENZENE SULFONAMIDE										
Diphenylethanedione										
Dichlorophenol isomer										
Phenol, 2,4-dichloro-, Benzenesulfonate										
2-Propanol, 1,3-dichloropropane										

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	TP-06-3.5	TP-06-6.5	TP-06-100	TP-06-200	TP-07-0.5	TP-07-3.5	TP-07-6.5	TP-08-0.5	TP-08-3.5	TP-08-6.5
Remarks			Field Blank	Trip Blank						
Units	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Alkanes										
Aldehydes										
alpha-oxo-Benzenacetonitrile										
1,1'-Sulfonylbis-benzene										
1-Chloro-4-(phenylsulfonyl)-benzene										
Octadecanoic Acid Ester										
Alkene										
2-(2-hydroxyethyl)-1H-isoindole-1,3(2H)-dione										
Adipate										
Bromochlorobenzene isomer										
Alcohol										
2-Bromo-1,3 cyclopentanedione										
4-phenyl-3-buten-2-one										
Benzophenone										
Bis(bromophenyl)diazene isomer										
1,5-Diphenyl-1,4-pentadien-3-one										

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	TP-09-0.5	TP-09-3.5	TP-09-6.5	TP-10-0.5	TP-41-0.5	TP-10-3.5	TP-11-0.5	TP-11-3.5	TP-11-6.5	TP-12-0.5
Remarks					Dup. of TP-10-0.5					
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS		NA								
Dibenzofuran		NA								
2-Methylnaphthalene		NA								
Hexadecanoic Acid		NA					190 J			
Tetradecanoic Acid		NA								
Diazene, bis(3,4-dichlorophenyl)		NA								
Diazene, bis(3,4-dichlorophenyl)1-oxide		NA								
C8H18 Isomer		NA		15,000 J						
Benzoyl Chloride, 4-Bromo-		NA								
Benzene, (1,2-Dimethoxy)ethyl		NA		210 J						
Benzene-dimethoxyethyl Isomer		NA	420 J			300 J				
Benzenesulfonamide		NA	440 J	680 J	880 J	800 J				
1,4-bis(4-Bromophenyl)-1,4-butanedione		NA								
Tridecane		NA				800 J				
Pentadecane		NA					350 J	190 J		
Heptadecane		NA					180 J			
Mirex		NA					720 J	3200 J	910 J	
Hexadecane		NA						170 J		
Eicosane		NA							200 J	
4-CHLOROBENZENE SULFONAMIDE		NA								
Diphenylethanedione		NA								
Dichlorophenol isomer		NA								
Phenol, 2,4-dichloro-, Benzenesulfonate		NA								
2-Propanol, 1,3-dichloropropane		NA								

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	TP-09-0.5	TP-09-3.5	TP-09-6.5	TP-10-0.5	TP-41-0.5	TP-10-3.5	TP-11-0.5	TP-11-3.5	TP-11-6.5	TP-12-0.5
Remarks					Dup. of TP-10-0.5					
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Alkanes		NA								810 (4) J
Aldehydes		NA								
alpha-oxo-Benzenacetonitrile		NA								
1,1'-Sulfonylbis-benzene		NA								
1-Chloro-4-(phenylsulfonyl)-benzene		NA								
Octadecanoic Acid Ester		NA								
Alkene		NA								
2-(2-hydroxyethyl)-1H-isoindole-1,3(2H)-dione		NA								190 J
Adipate		NA								1200 J
Bromochlorobenzene isomer		NA								
Alcohol		NA								
2-Bromo-1,3 cyclopentanedione		NA								
4-phenyl-3-buten-2-one		NA								
Benzophenone		NA								
Bis(bromophenyl)diazene isomer		NA								
1,5-Diphenyl-1,4-pentadien-3-one		NA								

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	TP-12-3.5	TP-12-6.5	TP-13R-0.5	TP-13R-3.5	TP-13R-3.5MS	TP-13R-3.5MSD	TP-13R-6.5	TP-13R-103	TP-14-0.5
Remarks								Field Blank	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg
SEMIVOLATILE COMPONENTS			-	-	-	-	-	-	-
Dibenzofuran									
2-Methylnaphthalene									
Hexadecanoic Acid									
Tetradecanoic Acid									
Diazene, bis(3,4-dichlorophenyl)									
Diazene, bis(3,4-dichlorophenyl)1-oxide									
C8H18 Isomer		440 J							
Benzoyl Chloride, 4-Bromo-									
Benzene, (1,2-Dimethoxy)ethyl									
Benzene-dimethoxyethyl Isomer									
Benzenesulfonamide									
1,4-bis(4-Bromophenyl)-1,4-butanedione									
Tridecane									
Pentadecane									
Heptadecane									
Mirex									
Hexadecane									
Eicosane									
4-CHLOROBENZENE SULFONAMIDE									
Diphenylethanedione									
Dichlorophenol isomer									
Phenol, 2,4-dichloro-, Benzenesulfonate									
2-Propanol, 1,3-dichloropropane									

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent									
ERM-Midwest Sample Number	RNS-	TP-12-3.5	TP-12-6.5	TP-13R-0.5	TP-13R-3.5	TP-13R-3.5MS	TP-13R-3.5MSD	TP-13R-6.5	TP-13R-103	TP-14-0.5
Remarks									Field Blank	
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg
Alkanes		230 J								
Aldehydes										
alpha-oxo-Benzenacetonitrile										
1,1'-Sulfonylbis-benzene										
1-Chloro-4-(phenylsulfonyl)-benzene										
Octadecanoic Acid Ester										
Alkene										
2-(2-hydroxyethyl)-1H-isoindole-1,3(2H)-dione										
Adipate										
Bromochlorobenzene isomer			530 J							
Alcohol										
2-Bromo-1,3 cyclopentanedione										
4-phenyl-3-buten-2-one										
Benzophenone										
Bis(bromophenyl)diazene isomer										
1,5-Diphenyl-1,4-pentadien-3-one										

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	TP-47-0.5	TP-14-3.5	TP-14-6.5	TP-15-0.5	TP-44-0.5	TP-15-3.5	TP-15-4.5	TP-15-102	TP-16-0.5	TP-16-3.5
Remarks	Duplicate of TP-14-0.5				Dup. of TP-15-0.5			Field Blank		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS	-	-						-	-	-
Dibenzofuran										
2-Methylnaphthalene										
Hexadecanoic Acid										
Tetradecanoic Acid										
Diazene, bis(3,4-dichlorophenyl)										
Diazene, bis(3,4-dichlorophenyl)1-oxide										
C8H18 Isomer										
Benzoyl Chloride, 4-Bromo-										
Benzene, (1,2-Dimethoxy)ethyl										
Benzene-dimethoxyethyl Isomer										
Benzenesulfonamide			2500 J							
1,4-bis(4-Bromophenyl)-1,4-butanedione										
Tridecane										
Pentadecane										
Heptadecane										
Mirex										
Hexadecane										
Eicosane										
4-CHLOROBENZENE SULFONAMIDE			280 J							
Diphenylethanedione			250 J							
Dichlorophenol isomer										
Phenol, 2,4-dichloro-, Benzenesulfonate										
2-Propanol, 1,3-dichloropropane										

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent										
ERM-Midwest Sample Number RNS-	TP-47-0.5	TP-14-3.5	TP-14-6.5	TP-15-0.5	TP-44-0.5	TP-15-3.5	TP-15-4.5	TP-15-102	TP-16-0.5	TP-16-3.5
Remarks	Duplicate of TP-14-0.5				Dup. of TP-15-0.5			Field Blank		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
Alkanes				5900 (2)	4300 (2)	260 J				
Aldehydes				2260 (2)	2300 (2)					
alpha-oxo-Benzenacetonitrile										
1,1'-Sulfonylbis-benzene										
1-Chloro-4-(phenylsulfonyl)-benzene										
Octadecanoic Acid Ester						250 J	280 J			
Alkene				770 J						
2-(2-hydroxyethyl)-1H-isoindole-1,3(2H)-dione										
Adipate										
Bromochlorobenzene isomer										
Alcohol										
2-Bromo-1,3 cyclopentanedione										
4-phenyl-3-buten-2-one										
Benzophenone										
Bis(bromophenyl)diazene isomer										
1,5-Diphenyl-1,4-pentadien-3-one										

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	TP-16-6.5	TP-17-0.5	TP-17-3.5	TP-17-3.5MS	TP-17-3.5MSD	TP-17-6.5	TP-17-104	TP-18-0.5	TP-42-0.5
Remarks							Field Blank		Dup. of TP-18-0.5
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS		-	-	NA	NA		-		
Dibenzofuran				NA	NA				
2-Methylnaphthalene				NA	NA				
Hexadecanoic Acid				NA	NA			270 J	
Tetradecanoic Acid				NA	NA				
Diazene, bis(3,4-dichlorophenyl)				NA	NA				
Diazene, bis(3,4-dichlorophenyl)1-oxide				NA	NA				
C8H18 Isomer				NA	NA				
Benzoyl Chloride, 4-Bromo-				NA	NA				
Benzene, (1,2-Dimethoxy)ethyl				NA	NA				
Benzene-dimethoxyethyl Isomer				NA	NA				
Benzenesulfonamide	310 J			NA	NA	390 J			
1,4-bis(4-Bromophenyl)-1,4-butanedione				NA	NA				
Tridecane				NA	NA				
Pentadecane				NA	NA				
Heptadecane				NA	NA				
Mirex				NA	NA				
Hexadecane				NA	NA				
Eicosane				NA	NA				
4-CHLOROBENZENE SULFONAMIDE				NA	NA				
Diphenylethanedione				NA	NA				
Dichlorophenol isomer				NA	NA	180 J			
Phenol, 2,4-dichloro-, Benzenesulfonate				NA	NA				
2-Propanol, 1,3-dichloropropane				NA	NA				

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent									
ERM-Midwest Sample Number RNS-	TP-16-6.5	TP-17-0.5	TP-17-3.5	TP-17-3.5MS	TP-17-3.5MSD	TP-17-6.5	TP-17-104	TP-18-0.5	TP-42-0.5
Remarks							Field Blank		Dup. of TP-18-0.5
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
Alkanes				NA	NA				640 J
Aldehydes				NA	NA				230 J
alpha-oxo-Benzenacetonitrile				NA	NA				
1,1'-Sulfonylbis-benzene	170,000 J			NA	NA				
1-Chloro-4-(phenylsulfonyl)-benzene	1500 J			NA	NA				
Octadecanoic Acid Ester	320 J			NA	NA				
Alkene				NA	NA				1350 J
2-(2-hydroxyethyl)-1H-isoindole-1,3(2H)-dione				NA	NA				
Adipate				NA	NA				670 J
Bromochlorobenzene isomer				NA	NA				
Alcohol				NA	NA				
2-Bromo-1,3 cyclopentanedione				NA	NA				
4-phenyl-3-buten-2-one				NA	NA				
Benzophenone				NA	NA				
Bis(bromophenyl)diazene isomer				NA	NA				
1,5-Diphenyl-1,4-pentadien-3-one				NA	NA				

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	TP-18-3.5	TP-18-3.5MS	TP-18-3.5MSD	TP-18-6.5	TP-18-7.5	TP-18-101	TP-18-201	TP-19R-0.5	TP-19R-3.5
Remarks						Field Blank	Trip Blank		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS		NA	NA			-	-		-
Dibenzofuran		NA	NA						
2-Methylnaphthalene		NA	NA						
Hexadecanoic Acid		NA	NA						
Tetradecanoic Acid		NA	NA						
Diazene, bis(3,4-dichlorophenyl)		NA	NA						
Diazene, bis(3,4-dichlorophenyl)1-oxide		NA	NA						
C8H18 Isomer	200 J	NA	NA	500 J					
Benzoyl Chloride, 4-Bromo-		NA	NA						
Benzene, (1,2-Dimethoxy)ethyl		NA	NA						
Benzene-dimethoxyethyl Isomer		NA	NA						
Benzenesulfonamide		NA	NA		320 J				
1,4-bis(4-Bromophenyl)-1,4-butanedione		NA	NA					390 J	
Tridecane		NA	NA						
Pentadecane		NA	NA						
Heptadecane		NA	NA						
Mirex		NA	NA						
Hexadecane		NA	NA						
Eicosane		NA	NA						
4-CHLOROBENZENE SULFONAMIDE		NA	NA						
Diphenylethanedione		NA	NA		3800 J				
Dichlorophenol isomer		NA	NA		480 J				
Phenol, 2,4-dichloro-, Benzenesulfonate		NA	NA						
2-Propanol, 1,3-dichloropropane		NA	NA						

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	TP-18-3.5	TP-18-3.5MS	TP-18-3.5MSD	TP-18-6.5	TP-18-7.5	TP-18-101	TP-18-201	TP-19R-0.5	TP-19R-3.5
Remarks						Field Blank	Trip Blank		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg
Alkanes		NA	NA						
Aldehydes		NA	NA						
alpha-oxo-Benzenacetonitrile		NA	NA						
1,1'-Sulfonylbis-benzene		NA	NA						
1-Chloro-4-(phenylsulfonyl)-benzene		NA	NA						
Octadecanoic Acid Ester		NA	NA						
Alkene		NA	NA						
2-(2-hydroxyethyl)-1H-isoindole-1,3(2H)-dione		NA	NA						
Adipate		NA	NA						
Bromochlorobenzene isomer		NA	NA		990 J				
Alcohol		NA	NA		550 J				
2-Bromo-1,3 cyclopentanedione		NA	NA		240 J				
4-phenyl-3-buten-2-one		NA	NA		430 J				
Benzophenone		NA	NA		260 J				
Bis(bromophenyl)diazene isomer		NA	NA		240 J				
1,5-Diphenyl-1,4-pentadien-3-one		NA	NA		310 J				

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent				
ERM-Midwest Sample Number RNS-	TP-19R-6.5	TP-20-0.5	TP-20-3.5	TP-20-6.5
Remarks				
Units	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS	-			
Dibenzofuran				
2-Methylnaphthalene				
Hexadecanoic Acid				
Tetradecanoic Acid				
Diazene, bis(3,4-dichlorophenyl)				
Diazene, bis(3,4-dichlorophenyl)1-oxide				
C8H18 Isomer			220 J	320 J
Benzoyl Chloride, 4-Bromo-				
Benzene, (1,2-Dimethoxy)ethyl				
Benzene-dimethoxyethyl Isomer				
Benzenesulfonamide				
1,4-bis(4-Bromophenyl)-1,4-butanedione				
Tridecane				
Pentadecane				
Heptadecane				
Mirex				
Hexadecane				
Eicosane				
4-CHLOROBENZENE SULFONAMIDE				
Diphenylethanedione				
Dichlorophenol isomer				
Phenol, 2,4-dichloro-, Benzenesulfonate				
2-Propanol, 1,3-dichloropropane				

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	TP-19R-6.5	TP-20-0.5	TP-20-3.5	TP-20-6.5
Remarks				
Units	ug/kg	ug/kg	ug/kg	ug/kg
Alkanes			220 J	
Aldehydes				
alpha-oxo-Benzenacetonitrile				
1,1'-Sulfonylbis-benzene				
1-Chloro-4-(phenylsulfonyl)-benzene				
Octadecanoic Acid Ester				
Alkene		170 J		
2-(2-hydroxyethyl)-1H-isoindole-1,3(2H)-dione				
Adipate				
Bromochlorobenzene isomer				670 J
Alcohol				
2-Bromo-1,3 cyclopentanedione				
4-phenyl-3-buten-2-one				
Benzophenone				
Bis(bromophenyl)diazene isomer				
1,5-Diphenyl-1,4-pentadien-3-one				

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concentrations

ERM-Midwest Sample Number RNS-	TP-21-0.5	TP-43-0.5	TP-21-3.5	TP-21-6.5	TP-22-0.5	TP-22-3.5	TP-22-6.5	TP-22-202	TP-23R-0.5	TP-23R-3.5
Remarks		Dup. of TP-21-0.5						Trip Blank		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS				-	-	-	-	NA		
Benzenesulfonamide								NA		1400 J
2-Propanol, 1,3-dichloropropane	2200 J							NA		
Alkanes	1210 (2) J	830 (2) J	200 J					NA		
Aldehydes	180 J	630 (3) J						NA		
alpha-oxo-Benzenacetonitrile		190 J						NA		
1,1'-Sulfonylbis-benzene								NA		
1-Chloro-4-(phenylsulfonyl)-benzene								NA		
Alkene								NA		
PHENOL, 2,4-DICHLORO-, BENZENE SULFONATE								NA	450 J	170 J
ETHANONE, 1-PHENYL								NA		
BENZENE, (1,2-DIMETHOXYETHYL)-								NA		
BENZENEMETHANOL, .ALPHA.-(CHLOROMETHYL)-								NA		
S,S'[THIOBIS(METHYLENE)]ESTER ETHANE THIOIC ACID								NA		
BROMODICHLOROBENZENE ISOMER								NA		
1-Methylnaphthalene								NA		
Dimethylnaphthalene Isomer								NA		
4-CHLOROBENZENE SULFONAMIDE								NA		
ETHANEDIONE, DIPHENYL-								NA		
NAPHTHALENE, -DIMETHYL ISOMERS								NA		
NAPHTHALENE, -TRIMETHYL ISOMERS								NA		
METHYLANTHRACENE/PHENANTHRENE ISOMER								NA		
4-HYDROXY-4-METHYL-2-PENTANONE (ALDOL)								NA		
1,2-Dimethyloxyethyl Benzene								NA		

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concentrations

ERM-Midwest Sample Number RNS-	TP-21-0.5	TP-43-0.5	TP-21-3.5	TP-21-6.5	TP-22-0.5	TP-22-3.5	TP-22-6.5	TP-22-202	TP-23R-0.5	TP-23R-3.5
Remarks		Dup. of TP-21-0.5						Trip Blank		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
Adipate								NA		
1-(1,1-Dimethyl)-2-methyl-1-3-propane Propanoic Acid								NA		
2,6,10,14-Tetramethyl Pentadecane								NA		
Benzo(e)Pyrene								NA		
1-(4-Nitrophenyl)-Ethanone Isomer								NA		
Methylphenanthrene Isomer								NA		
2,4-Dichloro-benzenesulfonate Phenol								NA		
Heptacosane								NA		

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	TP-23R-6.5	TP-23R-9.5	TP-23R-12.5	TP-49R-12.5	TP-23R-12.5MS	TP-23R-12.5MSD	TP-24R-0.5	TP-24R-3.5	TP-25-0.5
Remarks				Dup. of TP-23R-12.5					
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS					NA	NA	-	-	
Benzenesulfonamide	8700 J	4300 J	5400 J	2900 J	NA	NA			
2-Propanol, 1,3-dichloropropane					NA	NA			
Alkanes					NA	NA			
Aldehydes					NA	NA			
alpha-oxo-Benzenacetonitrile					NA	NA			
1,1'-Sulfonylbis-benzene					NA	NA			
1-Chloro-4-(phenylsulfonyl)-benzene					NA	NA			
Alkene					NA	NA			
PHENOL, 2,4-DICHLORO-, BENZENE SULFONATE					NA	NA			360 J
ETHANONE, 1-PHENYL					NA	NA			
BENZENE, (1,2-DIMETHOXYETHYL)-					NA	NA			
BENZENEMETHANOL, .ALPHA.-(CHLOROMETHYL)-					NA	NA			
S,S'[THIOBIS(METHYLENE)]ESTER ETHANE THIOIC ACID					NA	NA			
BROMODICHLOROBENZENE ISOMER					NA	NA			
1-Methylnaphthalene					NA	NA			
Dimethylnaphthalene Isomer					NA	NA			
4-CHLOROBENZENE SULFONAMIDE					NA	NA			
ETHANEDIONE, DIPHENYL-					NA	NA			
NAPHTHALENE, -DIMETHYL ISOMERS					NA	NA			
NAPHTHALENE, -TRIMETHYL ISOMERS					NA	NA			
METHYLANTHRACENE/PHENANTHRENE ISOMER					NA	NA			
4-HYDROXY-4-METHYL-2-PENTANONE (ALDOL)					NA	NA			
1,2-Dimethyloxyethyl Benzene					NA	NA			

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	TP-23R-6.5	TP-23R-9.5	TP-23R-12.5	TP-49R-12.5	TP-23R-12.5MS	TP-23R-12.5MSD	TP-24R-0.5	TP-24R-3.5	TP-25-0.5
Remarks				Dup. of TP-23R-12.5					
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Adipate					NA	NA			
1-(1,1-Dimethyl)-2-methyl-1-3-propane Propanoic Acid					NA	NA			
2,6,10,14-Tetramethyl Pentadecane					NA	NA			
Benzo(e)Pyrene					NA	NA			
1-(4-Nitrophenyl)-Ethanone Isomer					NA	NA			
Methylphenanthrene Isomer					NA	NA			
2,4-Dichloro-benzenesulfonate Phenol					NA	NA			
Heptacosane					NA	NA			

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	TP-25-3.5	TP-26R-0.5	TP-26R-0.5MS	TP-26R-0.5MSD	TP-26R-3.5	TP-26R-6.5	TP-28R-0.5	TP-29R-0.5	TP-29R-3.5
Remarks									
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS	-	-	NA	NA	-	-	-	-	
Benzenesulfonamide			NA	NA					
2-Propanol, 1,3-dichloropropane			NA	NA					
Alkanes			NA	NA					
Aldehydes			NA	NA					
alpha-oxo-Benzenacetonitrile			NA	NA					
1,1'-Sulfonylbis-benzene			NA	NA					
1-Chloro-4-(phenylsulfonyl)-benzene			NA	NA					
Alkene			NA	NA					
PHENOL, 2,4-DICHLORO-, BENZENE SULFONATE			NA	NA					
ETHANONE, 1-PHENYL			NA	NA					
BENZENE, (1,2-DIMETHOXYETHYL)-			NA	NA					
BENZENEMETHANOL, .ALPHA.-(CHLOROMETHYL)-			NA	NA					
S,S'[THIOBIS(METHYLENE)]ESTER ETHANE THIOIC ACID			NA	NA					
BROMODICHLOROBENZENE ISOMER			NA	NA					
1-Methylnaphthalene			NA	NA					
Dimethylnaphthalene Isomer			NA	NA					
4-CHLOROBENZENE SULFONAMIDE			NA	NA					
ETHANEDIONE, DIPHENYL-			NA	NA					
NAPHTHALENE, -DIMETHYL ISOMERS			NA	NA					
NAPHTHALENE, -TRIMETHYL ISOMERS			NA	NA					
METHYLANTHRACENE/PHENANTHRENE ISOMER			NA	NA					
4-HYDROXY-4-METHYL-2-PENTANONE (ALDOL)			NA	NA					
1,2-Dimethyloxyethyl Benzene			NA	NA					

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	TP-25-3.5	TP-26R-0.5	TP-26R-0.5MS	TP-26R-0.5MSD	TP-26R-3.5	TP-26R-6.5	TP-28R-0.5	TP-29R-0.5	TP-29R-3.5
Remarks									
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Adipate			NA	NA					
1-(1,1-Dimethyl)-2-methyl-1-3-propane Propanoic Acid			NA	NA					
2,6,10,14-Tetramethyl Pentadecane			NA	NA					
Benzo(e)Pyrene			NA	NA					
1-(4-Nitrophenyl)-Ethanone Isomer			NA	NA					
Methylphenanthrene Isomer			NA	NA					
2,4-Dichloro-benzenesulfonate Phenol			NA	NA					
Heptacosane			NA	NA					930 J

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent	
ERM-Midwest Sample Number RNS-	TP-29R-4.5
Remarks	
Units	ug/kg
SEMIVOLATILE COMPONENTS	-
Benzenesulfonamide	
2-Propanol, 1,3-dichloropropane	
Alkanes	
Aldehydes	
alpha-oxo-Benzenacetonitrile	
1,1'-Sulfonylbis-benzene	
1-Chloro-4-(phenylsulfonyl)-benzene	
Alkene	
PHENOL, 2,4-DICHLORO-, BENZENE SULFONATE	
ETHANONE, 1-PHENYL	
BENZENE, (1,2-DIMETHOXYETHYL)-	
BENZENEMETHANOL, .ALPHA.-(CHLOROMETHYL)-	
S,S'[THIOBIS(METHYLENE)]ESTER ETHANE THIOIC ACID	
BROMODICHLOROBENZENE ISOMER	
1-Methylnaphthalene	
Dimethylnaphthalene Isomer	
4-CHLOROBENZENE SULFONAMIDE	
ETHANEDIONE, DIPHENYL-	
NAPHTHALENE, -DIMETHYL ISOMERS	
NAPHTHALENE, -TRIMETHYL ISOMERS	
METHYLANTHRACENE/PHENANTHRENE ISOMER	
4-HYDROXY-4-METHYL-2-PENTANONE (ALDOL)	
1,2-Dimethyloxyethyl Benzene	

TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent	
ERM-Midwest Sample Number RNS-	TP-29R-4.5
Remarks	
Units	ug/kg
Adipate	
1-(1,1-Dimethyl)-2-methyl-1-3-propane Propanoic Acid	
2,6,10,14-Tetramethyl Pentadecane	
Benzo(e)Pyrene	
1-(4-Nitrophenyl)-Ethanone Isomer	
Methylphenanthrene Isomer	
2,4-Dichloro-benzenesulfonate Phenol	
Heptacosane	

TEST PITS

INORGANICS

Legend:

-	Compound was not detected.
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.
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.

TEST PIT SAMPLES

ERM Midwest Sample Number			RNS-	TP-13-0.5	TP-13-3.5	TP-13-6.5	TP-13-103	TP-14-0.5	TP-14-3.5	TP-14-6.5	TP-47-0.5	TP-17-0.5	TP-17-3.5	TP-17-6.5
Percent Solids Date Sampled				84.7 5/21/90	84.3 5/21/90	82.9 5/21/90	- 5/21/90	84.6 6/11/90	81.8 6/11/90	85.6 6/11/90	84.2 6/11/90	81.6 6/11/90	86.3 6/11/90	86.6 6/11/90
Units				mg/kg	mg/kg	mg/kg	ug/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
INORGANIC ELEMENTS		Detection Limit	Detection Limit				Field Blank				Field Dup. of TP-14-6.5			
Aluminum	P	15.0	3.0	10,400	13,600	20,600	39.5	9210	9890	7050	8030	10,200	15,700	12,300
Antimony	P	19.0	3.8	UL	UL	UL		UL	5.1 U	UL	UL	UL	UL	4.6 U
Arsenic	F	2.0	0.4	23.1	9.0	14.8		13.8	14.2	10.7	12.1	13.6	15.4	17.6
Barium	P	1.0	0.20	73.7	96.5	89.8		36.5	105	63.1 J	29.7 J	37.5	80.5	116
Beryllium	P	1.0	0.20	0.58	0.68	0.87		0.59	0.67	0.50	0.44	0.53	0.79	0.77
Cadmium	P	3.0	0.60					1.0	1.1					
Calcium	P	14.0	2.8	17,500	8780	1500	174	1460 B	3650 B	17,800 J	984 B	696 B	1150 B	1840 B
Chromium	P	3.0	0.60	15.1	17.3	24.5		12.2	15.3	12.4	11.3	13.1	20.2	17.9
Cobalt	P	3.0	0.60	8.8	7.2	7.9		8.8	9.2	9.5	8.9	8.3	9.5	12.5
Copper	P	3.0	0.60	17.8	16.5	25.5		23.4	31.5	25.6	18.6	15.6	24.3	25.5
Iron	P	3.0	0.60	19,600	21,100	28,200	16.9	25,900	32,100	26,100	25,800	23,000	30,900	27,600
Lead	F	2.0	0.40	19.5 J	18.4 J	20.2 J		22.9	11.9	11.9	11.2	15.7	23.6	13.7
Magnesium	P	23.0	4.6	2030	2130	3340	42.3	1970	3270	5960 J	1870 J	1830	2930	3540
Manganese	P	1.0	0.20	519 J	380 J	255 J	1.2	336	1150	399	341	395	421	594
Mercury	CV	0.20	0.10					0.20	0.10					
Nickel	P	24.0	4.8	17.5 B	21.3	29.5	16.3 J	14.2	25.9	22.8	15.0	13.1	18.6	32.6
Potassium	P	428	85.6	1310	1160	1980 J		493 J	893	1090 J	485 J	405	1630	1970
Selenium	F	2.0	0.40	1.3										
Silver	F	2.0	0.40											
Sodium	P	18.0	3.6	163 U	317 B	573 B	570	139 B	1080 B	812 B	117 B	276 B	352 B	341 B
Thallium	F	3.0	0.60					0.77						
Vanadium	P	3.0	0.60	19.6	25.6	42.6		18.7	21.0	13.3	16.2	22.0	34.6	22.3
Zinc	P	6.0	1.2	138	101	79.4	14.9 J	45.0 J	77.3 J	70.6 J	43.1 J	38.8 J	65.5 J	78.6 J
Cyanide	As	10.0	0.25		0.40									

TEST PIT SAMPLES

ERM Midwest Sample Number			RNS-	TP-17-104	TP-22-0.5	TP-22-3.5	TP-22-6.5	TP-23-0.5	TP-46-0.5	TP-23-3.5	TP-23-4.5	TP-23-6.5	TP-23-12.5
Percent Solids				-	79.6	86.6	84.7	85.4	83.5	84.6	87.8	85.4	93.6
Date Sampled				6/11/90	6/12/90	6/12/90	6/12/90	5/21/90	5/21/90	5/21/90	5/21/90	5/21/90	8/1/90
Units				ug/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
INORGANIC ELEMENTS		Detection Limit	Detection Limit	Field Blank					Field Dup. of TP-23-0.5				
Aluminum	P	15.0	3.0	29.0	11,600	9300	9290	14,300	14,500	14,900	9470	12,700	6470
Antimony	P	19.0	3.8					UL	UL	UL	UL	UL	4.5 U
Arsenic	F	2.0	0.4		17.3	16.1	13.3	14.1	14.9	10.5	13.4	17.4	10.9 J
Barium	P	1.0	0.20	4.4	82.3	65.2	56.5	43.4	52.9	81.8	38.1	58.6	20.5
Beryllium	P	1.0	0.20		0.87	0.55	0.58	0.75	0.76	0.77	0.42	0.58	0.47
Cadmium	P	3.0	0.60			1.1							3.1 U
Calcium	P	14.0	2.8	5540	1640	1620	1850	721	972	2460	103,000	6210	19,700 J
Chromium	P	3.0	0.60		15.4	13.9	14.8	17.4	16.4	19.2	12.0	17.8	10.8
Cobalt	P	3.0	0.60		9.7	11.5	10.4	11.9	12.3	13.3	14.5	11.1	7.9
Copper	P	3.0	0.60	3.3	37.6	29.7	26.4	34.1	39.0	26.7	18.7	28.2	17.1
Iron	P	3.0	0.60	11.4	31,200	26,600	27,500	35,600	32,200	31,100	20,900	30,000	20,500
Lead	F	2.0	0.40		14.7	14.5	13.7	22.7 J	16.7 J	13.9 J	24.8 J	14.6 J	11.5 J
Magnesium	P	23.0	4.6	782	2690	2810	3050	2740	2590	3860	5010	4990	6130
Manganese	P	1.0	0.20	5.3	486	539	403	300 J	368 J	567 J	707 J	592 J	339
Mercury	CV	0.20	0.10										
Nickel	P	24.0	4.8		27.4	26.0	25.8	25.1	30.4	43.0	25.1	29.1	19.0
Potassium	P	428	85.6		1130	1120	1600	1270	1460	2140	1680	2180	1160
Selenium	F	2.0	0.40										0.43
Silver	F	2.0	0.40										
Sodium	P	18.0	3.6	3810	56.5 U	102	113	65.1 U	61.6 U	94.8 U	155 U	140 U	54.8 U
Thallium	F	3.0	0.60	UL									
Vanadium	P	3.0	0.60		22.1	16.2	16.1	25.6	25.0	26.0	15.7	22.7	12.2
Zinc	P	6.0	1.2	20.3	92.0 J	81.1 J	79.6 J	93.3	93.9	75.2	56.2	87.1	66.6
Cyanide	As	10.0	0.25										

ERM Midwest Sample Number		RNS-		TP-49-12.5	TP-23-105	TP-25-0.5	TP-25-3.5
Percent Solids				93.8	-	79.6	83.8
Date Sampled				8/1/90	8/1/90	6/12/90	6/12/90
Units				mg/kg	ug/L	mg/kg	mg/kg
INORGANIC ELEMENTS		Detection Limit	Detection Limit	Dup. of TP-23-12.5	Field Blank		
Aluminum	P	15.0	3.0	6810	60.4	10,500	14,100
Antimony	P	19.0	3.8	UL			
Arsenic	F	2.0	0.4	10.1 J		17.0	15.2
Barium	P	1.0	0.20	23.5	1.8	101	98.6
Beryllium	P	1.0	0.20	0.49		0.44	1.1
Cadmium	P	3.0	0.60	1.8 U			1.6
Calcium	P	14.0	2.8	19,200 J	153	1140	2520
Chromium	P	3.0	0.60	11.3		18.4	22.5
Cobalt	P	3.0	0.60	8.9		4.3 U	13.3
Copper	P	3.0	0.60	18.3		21.0	26.3
Iron	P	3.0	0.60	21,600	56.3	32,700	43,300
Lead	F	2.0	0.40	11.3 J		20.2	14.9
Magnesium	P	23.0	4.6	6860	24.5	1990	3850
Manganese	P	1.0	0.20	390	1.3	230	592
Mercury	CV	0.20	0.10				0.10
Nickel	P	24.0	4.8	20.0		14.6	34.9
Potassium	P	428	85.6	1420		991	1300
Selenium	F	2.0	0.40	0.43			0.48
Silver	F	2.0	0.40	0.70		0.57 U	
Sodium	P	18.0	3.6	67.2 U	582	52.6	54.3
Thallium	F	3.0	0.60				1.0 J
Vanadium	P	3.0	0.60	13.3		28.3	28.9
Zinc	P	6.0	1.2	63.8	12.8 J	64.6 J	108 J
Cyanide	As	10.0	0.25				

RAILROAD TRACK TEST PITS

- VOLATILE COMPOUNDS
- SEMIVOLATILE 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).
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.

RAILROAD TRACK TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-50-4.0	TP-51-4.5	TP-52-3.5	TP-53-5.0	TP-54-4.5	TP-55-6.0	TP-56-5.0	TP-48-5.0	TP-57-3.0
Remarks										Dup. of TP-56-5.0	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Chloromethane	10	10									
Bromomethane	10	10									
Vinyl Chloride	10	10									
Chloroethane	10	10									
Methylene Chloride	5.0	5.0	38 U	150 U	17 U	71	74	6.0 U	6 U	7 U	6 U
Acetone	10	10		1200 U						12 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							12 J	7 J	
Chloroform	5.0	5 0			2.0 J						
1,2-Dichloroethane	5.0	5.0		250					9	7	
2-Butanone	10	10	24 U		13 U	26 U	34 U				
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		710	2.0 J						
1,2-Dichloropropane	5.0	5.0									
trans-1,3-Dichloropropene	5.0	5.0									
Trichloroethene	5.0	5.0		110 J	3.0 J	2.0 J			19 J	11 J	3 J
Dibromochloromethane	5.0	5.0									
1,1,2-Trichloroethane	5.0	5.0		110 J							

RAILROAD TRACK TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-50-4.0	TP-51-4.5	TP-52-3.5	TP-53-5.0	TP-54-4.5	TP-55-6.0	TP-56-5.0	TP-48-5.0	TP-57-3.0
Remarks										Dup. of TP-56-5.0	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0		510					55 J	34 J	
cis-1,3-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		98 J	15 J						4 J
Toluene	5.0	5 0		60 J							
Chlorobenzene	5.0	5.0				25					
Ethylbenzene	5.0	5.0									
Styrene	5.0	5.0									
Xylene (total)	5.0	5.0									
Quantitation Limit Multiplier			1.1	31	1.1	1.3	1.2	1.2	1.16	1.21	1.20
Date Sample Received by Laboratory			06/16/90	06/16/90	06/16/90	06/18/90	06/18/90	06/18/90	06/19/90	06/19/90	06/19/90
Date of Sample Analysis			06/25/90	06/26/90	06/26/90	06/26/90	06/26/90	06/26/90	06/27/90	06/27/90	06/28/90
Instrument Used for Analysis			MS-V1	MS-V4	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1

RAILROAD TRACK TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-50-4.0	TP-51-4.5	TP-52-3.5	TP-53-5.0	TP-54-4.5	TP-55-6.0	TP-56-5.0	TP-48-5.0	TP-57-3.0
Remarks										Dup. of TP-56-5.0	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Phenol	10	330		R				UL			R
bis(2-Chloroethyl)Ether	10	330						UL			R
2-Chlorophenol	10	330		R				UL			R
1,3-Dichlorobenzene	10	330						UL			R
1,4-Dichlorobenzene	10	330			700 J	120 J		UL			160 J
Benzyl Alcohol	10	330						UL			R
1,2-Dichlorobenzene	10	330		130 J	34,000 J	9300 J		UL			5300 J
2-Methylphenol	10	330		R				UL			R
bis(2-Chloroisopropyl)Ether	10	330						UL			R
4-Methylphenol	10	330		R				UL			R
N-Nitroso-Di-n-Propylamine	10	330						UL			R
Hexachloroethane	10	330						UL			R
Nitrobenzene	10	330						UL			R
Isophorone	10	330						UL			R
2-Nitrophenol	10	330		R				UL			R
2,4-Dimethylphenol	10	330		R				79 R			R
Benzoic Acid	50	1650		R				UL			R
bis(2-Chloroethoxy)Methane	10	330						44 R			R
2,4-Dichlorophenol	10	330		R				UL			190 J
1,2,4-Trichlorobenzene	10	330			290 J			UL			R
Naphthalene	10	330			440 J	300 J	350 J	850 J		74 J	210 J
4-Chloroaniline	10	330		.				UL			R
Hexachlorobutadiene	10	330						UL			R

RAILROAD TRACK TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-50-4.0	TP-51-4.5	TP-52-3.5	TP-53-5.0	TP-54-4.5	TP-55-6.0	TP-56-5.0	TP-48-5.0	TP-57-3.0
Remarks										Dup. of TP-56-5.0	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330		R				UL			R
2-Methylnaphthalene	10	330			650 J	420	530	880 J		130 J	210 J
Hexachlorocyclopentadiene	10	330						UL			R
2,4,6-Trichlorophenol	10	330		R				UL			R
2,4,5-Trichlorophenol	50	1650		R				UL			R
2-Chloronaphthalene	10	330						UL			R
2-Nitroaniline	50	1650						UL			R
Dimethyl Phthalate	10	330						UL			R
Acenaphthylene	10	330						UL			R
3-Nitroaniline	50	1650						UL			R
Acenaphthene	10	330						UL			R
2,4-Dinitrophenol	50	1650		R				UL			R
4-Nitrophenol	50	1650		R				UL			R
Dibenzofuran	10	330			170 J	110 J	140 J	500 J			120 J
2,4-Dinitrotoluene	10	330						UL			R
2,6-Dinitrotoluene	10	330						UL			R
Diethylphthalate	10	330						57 J			R
4-Chlorophenyl-phenylether	10	330						UL			R
Fluorene	10	330						UL			R
4-Nitroaniline	50	1650						UL			R
4,6-Dinitro-2-Methylphenol	50	1650		R				UL			R
N-Nitrosodiphenylamine	10	330		750 J				110 R			59 J
4-Bromophenyl-phenylether	10	330						UL			R
Hexachlorobenzene	10	330						UL			R
Pentachlorophenol	10	330		R				UL			R

RAILROAD TRACK TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-50-4.0	TP-51-4.5	TP-52-3.5	TP-53-5.0	TP-54-4.5	TP-55-6.0	TP-56-5.0	TP-48-5.0	TP-57-3.0
Remarks										Dup of TP-56-5.0	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330			310 J	210 J	280 J	1100 J		69 J	280 J
Anthracene	10	330					43 J	UL			51 J
Di-n-Butylphthalate	10	330						UL			R
Fluoranthene	10	330			82 J	97 J	420	210 J			240 J
Pyrene	10	330				88 J	360 J	200 J			200 J
Butylbenzylphthalate	10	330						UL			R
3,3'-Dichlorobenzidine	20	660						UL			R
Benzo(a)Anthracene	10	330				57 J	180 J	140 J			130 J
Chrysene	10	330			100 J	99 J	330 J	220 J			230 J
bis(2-Ethylhexyl)Phthalate	10	330	360 U			160 J		49 J			R
Di-n-Octyl Phthalate	10	330						UL			R
Benzo(b)Fluoranthene	10	330			140 J	140 J*	500 *	260 J*			370 J
Benzo(k)Fluoranthene	10	330			140 J	140 J*	500 *	260 J*			370 J
Benzo(a)Pyrene	10	330				47 J	140 J	110 J			140 J
Indeno(1,2,3-cd)Pyrene	10	330					100 J	120 J			130 J
Dibenzo(a,h)Anthracene	10	330						R			63 J
Benzo(g,h,i)Perylene	10	330					93 J	110 J			95 J
Diphenyl Sulfone	10	330		90,000 J	2500	130 J	300 J	R	110 J	130 J	1800 J
3,4-Dichloronitrobenzene	10	330	NA	NA	NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier			1.09	2.39	2.42	1.24	1.21	1.27	1.24	1.24	1.30
Date Sample Received by Laboratory			06/16/90	06/16/90	06/16/90	06/18/90	06/18/90	06/18/90	06/19/90	06/19/90	06/19/90
Date Sample Extracted			06/18/90	06/18/90	06/18/90	06/18/90	06/18/90	07/17/90	06/19/90	06/19/90	07/17/90
Date of Sample Analysis			07/14/90	07/14/90	07/14/90	07/14/90	07/14/90	07/24/90	07/14/90	07/14/90	07/24/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMMS1	GCMSS6	GCMSS6	GCMSS1

RAILROAD TRACK TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-50-4.0	TP-51-4.5	TP-52-3.5	TP-53-5.0	TP-54-4.5	TP-55-6.0	TP-56-5.0	TP-48-5.0	TP-57-3.0
Remarks										Dup. of TP-56-5.0	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
alpha-BHC	0.05	8.0									
beta-BHC	0.05	8.0									
delta-BHC	0.05	8.0					UL				
Lindane	0.05	8.0									R
Heptachlor	0.05	8.0									
Aldrin	0.05	8.0					UL				R
Heptachlor epoxide	0.05	8.0					UL				
Endosulfan I	0.05	8.0									
Dieldrin	0.10	16 0									
4,4'-DDE	0.10	16.0									
Endrin	0.10	16.0									
Endosulfan II	0.10	16.0									
4,4'-DDD	0.10	16.0									
Endosulfan sulfate	0.10	16.0				R					
4,4'-DDT	0.10	16.0									
Methoxychlor	0.50	80									
Endrin ketone	0.10	16.0									
alpha-Chlordane	0.10	80									
gamma-Chlordane	0.10	80									
Toxaphene	1.0	160.0									

RAILROAD TRACK TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-50-4.0	TP-51-4.5	TP-52-3.5	TP-53-5.0	TP-54-4.5	TP-55-6.0	TP-56-5.0	TP-48-5.0	TP-57-3.0
Remarks										Dup. of TP-56-5.0	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Aroclor-1016	0.5	80									
Aroclor-1221	0.5	80									
Aroclor-1232	0.5	80									
Aroclor-1242	0.5	80									
Aroclor-1248	0.5	80									
Aroclor-1254	0.5	160									
Aroclor-1260	0.5	160									
Quantitation Limit Multiplier			1.19	60	30	6.0	6.25	5.68	1.19	1.13	5.75
Date Sample Received By Laboratory			6/16/90	6/16/90	6/16/90	6/18/90	6/18/90	6/18/90	6/19/90	6/19/90	6/19/90
Date Sample Extracted			06/18/90	06/18/90	06/18/90	6/18/90	6/18/90	6/18/90	6/19/90	6/19/90	6/19/90
Date of Sample Analysis			07/19/90	07/19/90	07/19/90	7/6/90	7/6/90	7/6/90	7/18/90	7/18/90	7/18/90

RAILROAD TRACK TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-	Reporting Limit (Aqu)	Reporting Limit (Sol)	TP-50-4.0	TP-51-4.5	TP-52-3.5	TP-53-5.0	TP-54-4.5	TP-55-6.0	TP-56-5.0	TP-48-5.0	TP-57-3.0
Remarks										Dup. of TP-56-5.0	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS											
Kepone	0.132	68.0									65.3 J
Photomirex	0.0474	20.4			3.38 J	*	3.15 J				44.8 J
Mirex	0.00544	18.5	11.3 J	945 **	515 **	620 **	85.4	15.9 J			2230 ** J
Reporting Limit Multiplier			1.25	1.15/11.5	1.18/3.55	1.35/26 9	1.14	1.22	1.20	1.21	1.14/57.0
Date Sample Received by Laboratory			10/09/90	10/09/90	10/10/90	10/10/90	10/10/90	10/17/90	10/09/90	10/09/90	10/10/90
Date Sample Extracted			10/19/90	10/19/90	10/19/90	10/19/90	10/19/90	10/19/90	10/19/90	10/19/90	10/19/90
Date of Sample Analysis			10/31/90	10/31 & 11/1	11/1 & 11/2	11/1 & 11/3	11/1/90	11/01/90	10/31/90	10/31/90	11/1 & 11/2
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3

RAILROAD TRACK TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-57-3.0MS	TP-57-3.0MSD	TP-58-4.5	TP-59-203	TP-59-6.5	TP-60-4.5
Remarks						Trip Blank		
Units			ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)						
Chloromethane	10	10						
Bromomethane	10	10						
Vinyl Chloride	10	10						
Chloroethane	10	10						
Methylene Chloride	5.0	5.0	35 U	28 U	27 U	4 J	23 U	22 U
Acetone	10	10	10 U			13	18 U	
Carbon Disulfide	5 0	5.0						
1,1-Dichloroethene	5 0	5.0	S	S				
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	1 J					
2-Butanone	10	10	10 U					
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	S	S				
Dibromochloromethane	5.0	5.0						
1,1,2-Trichloroethane	5.0	5.0						

RAILROAD TRACK TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-57-3.0MS	TP-57-3.0MSD	TP-58-4.5	TP-59-203	TP-59-6.5	TP-60-4.5
Remarks						Trip Blank		
Units			ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
Benzene	5.0	5.0	S	S				
cis-1,3-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	11 J	4 J				
Toluene	5.0	5.0	S	S				
Chlorobenzene	5.0	5.0	S	S				
Ethylbenzene	5.0	5.0						
Styrene	5.0	5.0						
Xylene (total)	5.0	5.0						
Quantitation Limit Multiplier			1.30	1.30	1.20	1.00	1.20	1.18
Date Sample Received by Laboratory			06/19/90	06/19/90	06/19/90	06/19/90	06/19/90	06/19/90
Date of Sample Analysis			06/29/90	06/29/90	06/29/90	06/23/90	06/29/90	06/29/90
Instrument Used for Analysis			MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1

RAILROAD TRACK TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-57-3.0MS	TP-57-3.0MSD	TP-58-4.5	TP-59-203	TP-59-6.5	TP-60-4.5
Remarks						Trip Blank		
Units			ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)						
Phenol	10	330	S	S		NA	R	
bis(2-Chloroethyl)Ether	10	330				NA	R	
2-Chlorophenol	10	330	S	S		NA	R	
1,3-Dichlorobenzene	10	330				NA	R	
1,4-Dichlorobenzene	10	330	S	S		NA	R	
Benzyl Alcohol	10	330				NA	R	
1,2-Dichlorobenzene	10	330	3000 J	3100 J		NA	R	
2-Methylphenol	10	330				NA	R	
bis(2-Chloroisopropyl)Ether	10	330				NA	R	
4-Methylphenol	10	330				NA	R	
N-Nitroso-Di-n-Propylamine	10	330	S	S		NA	R	
Hexachloroethane	10	330				NA	R	
Nitrobenzene	10	330				NA	R	
Isophorone	10	330				NA	R	
2-Nitrophenol	10	330				NA	R	
2,4-Dimethylphenol	10	330				NA	R	
Benzoic Acid	50	1650				NA	R	
bis(2-Chloroethoxy)Methane	10	330				NA	R	
2,4-Dichlorophenol	10	330	95 J	230 J		NA	R	
1,2,4-Trichlorobenzene	10	330	S	S		NA	R	
Naphthalene	10	330	230 J	230 J		NA	93 J	73 J
4-Chloroaniline	10	330				NA	R	
Hexachlorobutadiene	10	330				NA	R	

RAILROAD TRACK TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-57-3.0MS	TP-57-3.0MSD	TP-58-4.5	TP-59-203	TP-59-6.5	TP-60-4.5
Remarks						Trip Blank		
Units			ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330	S	S		NA	R	
2-Methylnaphthalene	10	330	440 J			NA	110 J	110 J
Hexachlorocyclopentadiene	10	330				NA	R	
2,4,6-Trichlorophenol	10	330				NA	R	
2,4,5-Trichlorophenol	50	1650				NA	R	
2-Chloronaphthalene	10	330				NA	R	
2-Nitroaniline	50	1650				NA	R	
Dimethyl Phthalate	10	330				NA	R	
Acenaphthylene	10	330				NA	R	
3-Nitroaniline	50	1650				NA	R	
Acenaphthene	10	330	S	S		NA	R	
2,4-Dinitrophenol	50	1650				NA	R	
4-Nitrophenol	50	1650	S	S		NA	R	
Dibenzofuran	10	330	98 J	120 J		NA	R	
2,4-Dinitrotoluene	10	330	S	S		NA	R	
2,6-Dinitrotoluene	10	330				NA	R	
Diethylphthalate	10	330				NA	R	
4-Chlorophenyl-phenylether	10	330				NA	R	
Fluorene	10	330				NA	R	
4-Nitroaniline	50	1650				NA	R	
4,6-Dinitro-2-Methylphenol	50	1650				NA	R	
N-Nitrosodiphenylamine	10	330				NA	81 J	
4-Bromophenyl-phenylether	10	330				NA	R	
Hexachlorobenzene	10	330				NA	R	
Pentachlorophenol	10	330	S	S		NA	R	

RAILROAD TRACK TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-57-3.0MS	TP-57-3.0MSD	TP-58-4.5	TP-59-203	TP-59-6.5	TP-60-4.5
Remarks						Trip Blank		
Units			ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
Phenanthrene	10	330	180 J	260 J		NA	130 J	72 J
Anthracene	10	330		46 J		NA	R	
Di-n-Butylphthalate	10	330				NA	R	
Fluoranthene	10	330	99 J	200 J		NA	230 J	58 J
Pyrene	10	330	S	S		NA	220 J	53 J
Butylbenzylphthalate	10	330				NA	R	
3,3'-Dichlorobenzidine	20	660				NA	R	
Benzo(a)Anthracene	10	330	56 J	120 J		NA	170 J	40 J
Chrysene	10	330	89 J	170 J		NA	250 J	59 J
bis(2-Ethylhexyl)Phthalate	10	330				NA	R	
Di-n-Octyl Phthalate	10	330				NA	R	
Benzo(b)Fluoranthene	10	330	130 J	290 J		NA	540 J	110 J
Benzo(k)Fluoranthene	10	330	130 J	290 J		NA	540 J	110 J
Benzo(a)Pyrene	10	330	43 J	82 J		NA	180 J	
Indeno(1,2,3-cd)Pyrene	10	330		51 J		NA	200 J	
Dibenzo(a,h)Anthracene	10	330				NA	60 J	
Benzo(g,h,i)Perylene	10	330				NA	160 J	
Diphenyl Sulfone	10	330	S	S		NA	R	
3,4-Dichloronitrobenzene	10	330	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier			1.27	1.24	1.12	NA	1.21	1.15
Date Sample Received by Laboratory			06/19/90	06/19/90	06/19/90	NA	06/19/90	06/19/90
Date Sample Extracted			06/19/90	06/19/90	06/19/90	NA	07/17/90	06/19/90
Date of Sample Analysis			07/14/90	07/14/90	07/14/90	NA	07/25/90	07/14/90
Instrument Used for Analysis			GCMSS6	GCMSS6	GCMSS6	NA	GCMSS1	GCMSS6

RAILROAD TRACK TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-57-3.0MS	TP-57-3.0MSD	TP-58-4.5	TP-59-203	TP-59-6.5	TP-60-4.5
Remarks						Trip Blank		
Units			ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)						
alpha-BHC	0.05	8.0				NA		
beta-BHC	0.05	8.0				NA		
delta-BHC	0.05	8.0				NA		
Lindane	0.05	8.0	S	S		NA		
Heptachlor	0.05	8.0	S	S		NA		
Aldrin	0.05	8.0	S	S		NA		
Heptachlor epoxide	0.05	8.0				NA		
Endosulfan I	0.05	8.0				NA		
Dieldrin	0.10	16.0	S	S		NA		
4,4'-DDE	0.10	16.0				NA		
Endrin	0.10	16.0	S	S		NA		
Endosulfan II	0.10	16.0				NA		
4,4'-DDD	0.10	16.0				NA		
Endosulfan sulfate	0.10	16.0				NA		
4,4'-DDT	0.10	16.0	S	S		NA		
Methoxychlor	0.50	80				NA		
Endrin ketone	0.10	16.0				NA		
alpha-Chlordane	0.10	80				NA		
gamma-Chlordane	0.10	80				NA		
Toxaphene	1.0	160.0				NA		

RAILROAD TRACK TEST PIT SAMPLES

ERM-Midwest Sample Number		RNS-	TP-57-3.0MS	TP-57-3.0MSD	TP-58-4.5	TP-59-203	TP-59-6.5	TP-60-4.5
Remarks						Trip Blank		
Units			ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)						
Aroclor-1016	0.5	80				NA		
Aroclor-1221	0.5	80				NA		
Aroclor-1232	0.5	80				NA		
Aroclor-1242	0.5	80				NA		
Aroclor-1248	0.5	80				NA		
Aroclor-1254	0.5	160				NA		
Aroclor-1260	0.5	160				NA		
Quantitation Limit Multiplier			6.25	5.69	1.25	NA	6.06	6.00
Date Sample Received By Laboratory			6/19/90	6/19/90	6/19/90	NA	6/19/90	6/19/90
Date Sample Extracted			6/19/90	6/19/90	6/19/90	NA	6/19/90	6/19/90
Date of Sample Analysis			7/18/90	7/18/90	7/18/90	NA	7/18/90	7/18/90

RAILROAD TRACK TEST PIT SAMPLES

ERM-Midwest Sample Number RNS-			TP-57-3.0MS	TP-57-3.0MSD	TP-58-4.5	TP-59-203	TP-59-6.5	TP-60-4.5
Remarks						Trip Blank		
Units			ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aqu)	Reporting Limit (Sol)						
Kepone	0.132	68.0	S	S		NA		
Photomirex	0.0474	20.4	S	S		NA		
Mirex	0.00544	18 5	S	S	58.8	NA	70.6	
Reporting Limit Multiplier			1.14/57.0	1.14/57.0	1.29	NA	1.56	1.18
Date Sample Received by Laboratory			10/10/90	10/10/90	10/17/90	NA	10/17/90	10/17/90
Date Sample Extracted			10/19/90	10/19/90	10/19/90	NA	10/19/90	10/19/90
Date of Sample Analysis			11/1 & 11/3	11/1 & 11/3	11/01/90	NA	11/02/90	11/02/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	NA	GCMSS3	GCMSS3

RAILROAD TRACK TEST PITS

SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Legend:

-	Compound was not detected.
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.
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.

RAILROAD TRACK TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concentrations

ERM-Midwest Sample Number RNS-	TP-50-4.0	TP-51-4.5	TP-52-3.5	TP-53-5.0	TP-54-4.5	TP-55-6.0	TP-56-5.0	TP-48-5.0	TP-57-3.0	TP-57-3.0MS
Remarks								Dup. of TP-56-5.0		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS	-									NA
Benzenesulfonamide		7900 J			1300 J		5700 J	5600 J	670 J	NA
2-Propanol, 1,3-dichloropropane										NA
Alkanes							220 J	720 (3) R	2930 (6) J	NA
Aldehydes										NA
alpha-oxo-Benzenacetonitrile										NA
1,1'-Sulfonylbis-benzene										NA
1-Chloro-4-(phenylsulfonyl)-benzene										NA
Alkene										NA
PHENOL, 2,4-DICHLORO-, BENZENE SULFONATE										NA
ETHANONE, 1-PHENYL		1300 J								NA
BENZENE, (1,2-DIMETHOXYETHYL)-		3100 J								NA
BENZENEMETHANOL, .ALPHA.-(CHLOROMETHYL)-		2100 J								NA
S,S'[THIOBIS(METHYLENE)]ESTER ETHANE THIOIC ACID		610 J								NA
BROMODICHLOROBENZENE ISOMER			460 J							NA
1-Methylnaphthalene			460 J	260 J	330 J	820 J			350 J	NA
Dimethylnaphthalene Isomer			1060 J						420 J	NA
4-CHLOROBENZENE SULFONAMIDE		620 J			6470 J				530 J	NA
ETHANEDIONE, DIPHENYL-			5000 J							NA
NAPHTHALENE, -DIMETHYL ISOMERS				430 J	890 J	1610 J				NA
NAPHTHALENE, -TRIMETHYL ISOMERS				510 J	410 J	1610 J				NA
METHYLANTHRACENE/PHENANTHRENE ISOMER				230 J						NA
4-HYDROXY-4-METHYL-2-PENTANONE (ALDOL)						20,000 R				NA
1,2-Dimethyloxyethyl Benzene							390 J	180 J		NA

RAILROAD TRACK TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concentrations

ERM-Midwest Sample Number RNS-	TP-50-4.0	TP-51-4.5	TP-52-3.5	TP-53-5.0	TP-54-4.5	TP-55-6.0	TP-56-5.0	TP-48-5.0	TP-57-3.0	TP-57-3.0MS
Remarks								Dup. of TP-56-5.0		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Adipate							290 J			NA
1-(1,1-Dimethyl)-2-methyl-1-3-propane Propanoic Acid										NA
2,6,10,14-Tetramethyl Pentadecane										NA
Benzo(e)Pyrene										NA
1-(4-Nitrophenyl)-Ethanone Isomer									500 J	NA
Methylphenanthrene Isomer									300 J	NA
2,4-Dichloro-benzenesulfonate Phenol									2700 J	NA
Heptacosane										NA

RAILROAD TRACK TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	TP-57-3.0MSD	TP-58-4.5	TP-59-203	TP-59-6.5	TP-60-4.5
Remarks					
Units	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS	NA		NA		-
Benzenesulfonamide	NA		NA		
2-Propanol, 1,3-dichloropropane	NA		NA		
Alkanes	NA		NA	1730 (7) J	
Aldehydes	NA		NA		
alpha-oxo-Benzenacetonitrile	NA		NA		
1,1'-Sulfonylbis-benzene	NA		NA		
1-Chloro-4-(phenylsulfonyl)-benzene	NA		NA		
Alkene	NA		NA		
PHENOL, 2,4-DICHLORO-, BENZENE SULFONATE	NA		NA		
ETHANONE, 1-PHENYL	NA		NA		
BENZENE, (1,2-DIMETHOXYETHYL)-	NA		NA		
BENZENEMETHANOL, .ALPHA.-(CHLOROMETHYL)-	NA		NA		
S,S'[THIOBIS(METHYLENE)]ESTER ETHANE THIOIC ACID	NA		NA		
BROMODICHLOROBENZENE ISOMER	NA		NA		
1-Methylnaphthalene	NA		NA		
Dimethylnaphthalene Isomer	NA		NA	170 J	
4-CHLOROBENZENE SULFONAMIDE	NA		NA		
ETHANEDIONE, DIPHENYL-	NA		NA		
NAPHTHALENE, -DIMETHYL ISOMERS	NA		NA		
NAPHTHALENE, -TRIMETHYL ISOMERS	NA		NA		
METHYLANTHRACENE/PHENANTHRENE ISOMER	NA		NA		
4-HYDROXY-4-METHYL-2-PENTANONE (ALDOL)	NA		NA		
1,2-Dimethyloxyethyl Benzene	NA		NA		

RAILROAD TRACK TEST PIT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

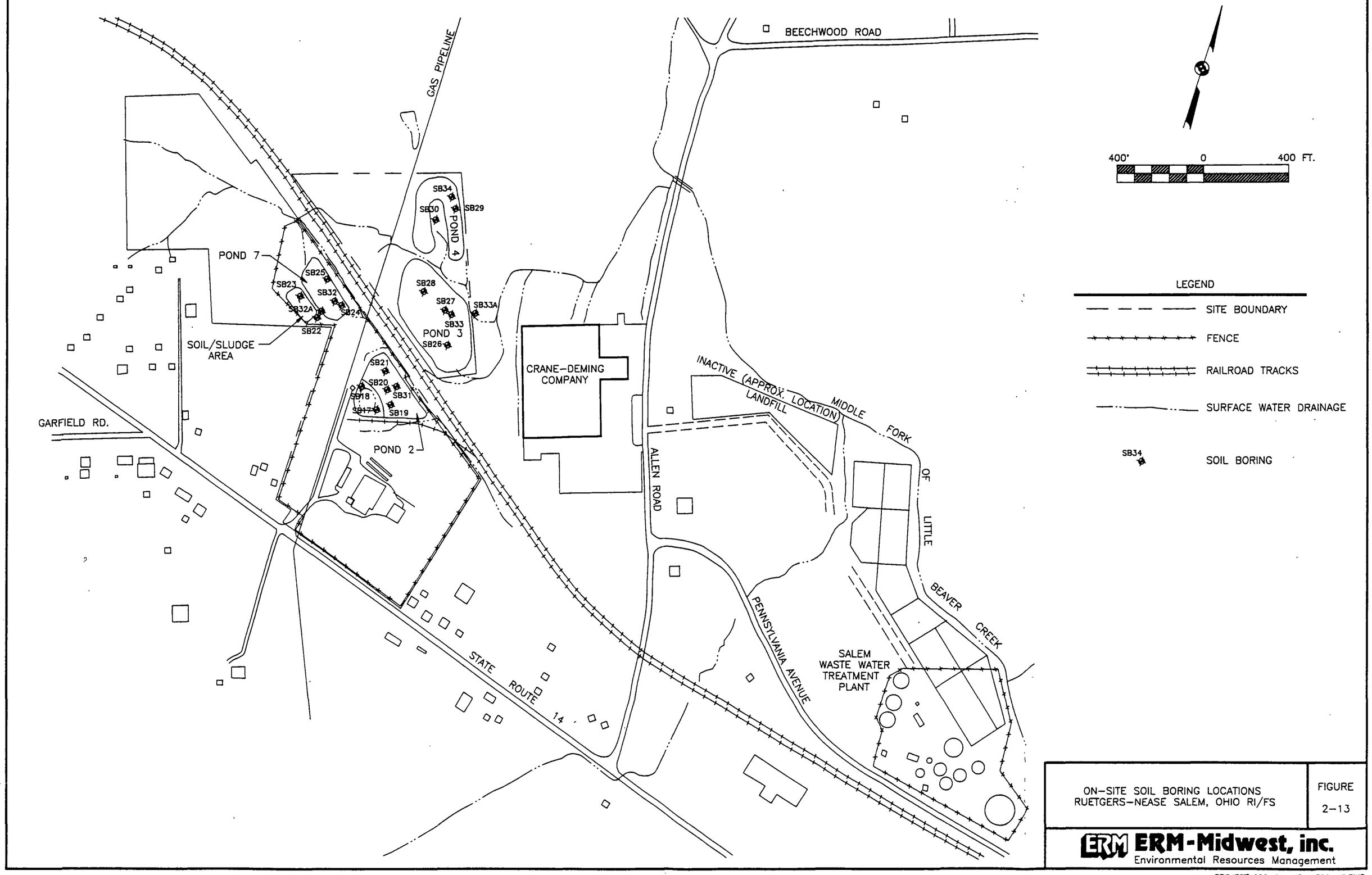
ERM-Midwest Sample Number RNS-	TP-57-3.0MSD	TP-58-4.5	TP-59-203	TP-59-6.5	TP-60-4.5
Remarks					
Units	ug/kg	ug/kg	ug/L	ug/kg	ug/kg
Adipate	NA	850 J	NA		
1-(1,1-Dimethyl)-2-methyl-1-3-propane Propanoic Acid	NA	160 J	NA		
2,6,10,14-Tetramethyl Pentadecane	NA		NA	370 J	
Benzo(e)Pyrene	NA		NA	250 J	
1-(4-Nitrophenyl)-Ethanone Isomer	NA		NA		
Methylphenanthrene Isomer	NA		NA		
2,4-Dichloro-benzenesulfonate Phenol	NA		NA		
Heptacosane	NA		NA		

ON-SITE POND BORINGS

- VOLATILE COMPOUNDS
- VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS
- SEMIVOLATILE 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).
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.



ON–SITE SOIL BORING LOCATIONS
RUETGERS–NEASE SALEM, OHIO RI/FS

FIGURE 2–13

ERM ERM-Midwest, inc.
Environmental Resources Management

PROJECT\202-01-07\07FG2-13.DWG

On-Site Pond Soil Boring Program
Nease Site, Salem, Ohio

Soil Boring Number Pond	SB-17 1	SB-18 1	SB-19 2	SB-20 2	SB-21 2	SB-22 Sludge Pile	SB-23 Sludge Pile	SB-24 7	SB-25 7	SB-26 3	SB-27 3	SB-28 3	SB-29 4	SB-30 4
Date Drilled	7/1/90	6/29/90	6/27/90	6/27/90	6/28/90	7/16/90	7/16/90	7/2/90	7/11/90	7/14/90	7/13/90	7/13/90	6/30/90	6/30/90
Sample Depths	0-3' 3-7' 7-10' 10-13' 13-14.5'	0-3' 3-6' 6-9' 9-12' 12-15' 15-18' 18-19.5'	0-3' 3-6' 6-9' 9-12' 12-15' 15-17.5'	0-3' 3-6' 6-9' 9-11' 11-14' 14-17'	0-3' 3-6' 6-9' 9-12' 12-15' 15-16.5'	0-3' 3-6' 6-9' 9-12' 12-15' 15-18'	0-3' 3-6' 6-9' 9-12' 12-15'	0-3' 3-6' 6-8' 8-11' 11-14' 14-15.5'	0-3' 3-6' 6-9' 9-12' 12-15'	0-4' 4-7' 7-10'	0-3' 3-7' 7-10' 10-13'	0-1' 1-4' 4-7' 7-10' 10-13'	0-3' 3-6' 6-9' 9-12' 12-15' 15-18'	0-3' 3-6' 6-9' 9-12' 12-15' 15-19'
Total Depth	14.5	19.5	17.5	17	16.5	18	15	17	15	11	13	13	18	19
Non-Native Soil Sample	2	4	4	4	3	3	2	3	2	1	1	2	3	3
Native Soil Samples	3	3	2	2	3	3	3	3	3	2	3	3	3	3

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ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-17-04	SB-17-7	SB-17-10	SB-17-13	SB-17-14.5	SB-17-202	SB-18-3	SB-18-3-MS	SB-18-3-MSD	SB-18-6
Remarks								Trip Blank				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Chloromethane	10	10					R					
Bromomethane	10	10					R					
Vinyl Chloride	10	10					R					
Chloroethane	10	10					R					
Methylene Chloride	5.0	5.0	3200 U	8500 U	6800 U	1400 U	12,000 U	22	73 U	25 U	28 U	12 U
Acetone	10	10					R				20 U	
Carbon Disulfide	5.0	5.0					R					
1,1-Dichloroethene	5.0	5.0					R			S	S	
1,1-Dichloroethane	5.0	5 0					R					
1,2-Dichloroethene (total)	5.0	5.0					R					
Chloroform	5.0	5.0					2000 J					
1,2-Dichloroethane	5.0	5.0	980 J		2100 J	440 J	9400 J					
2-Butanone	10	10	6400 U				R		12 U		25 U	
1,1,1-Trichloroethane	5.0	5.0					R					
Carbon Tetrachloride	5.0	5.0	1000 J	1900 J	16,000		4300 J					
Vinyl Acetate	10	10					R					
Bromodichloromethane	5.0	5.0					R					
1,1,2,2-Tetrachloroethane	5.0	5.0	6700	4800 J	16,000	17,000	16,000 J		13 J	6 J	7 J	8
1,2-Dichloropropane	5.0	5 0					R					
trans-1,3-Dichloropropene	5.0	5.0					R					
Trichloroethene	5.0	5.0	2200 J	2400 J	3500 J	730 J	6100 J		5 J	S	S	3 J
Dibromochloromethane	5.0	5.0					R					
1,1,2-Trichloroethane	5.0	5.0					R					

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-17-04	SB-17-7	SB-17-10	SB-17-13	SB-17-14.5	SB-17-202	SB-18-3	SB-18-3-MS	SB-18-3-MSD	SB-18-6
Remarks								Trip Blank				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0	4900	6000	25,000	830 J	12,000 J			S	S	
cis-1,3-Dichloropropene	5.0	5 0					R					
Bromoform	5.0	5.0	900 J		2000 J	370 J	R					
2-Hexanone	10	10					R					
4-Methyl-2-Pentanone	10	10					R					
Tetrachloroethene	5.0	5.0	51,000	110,000	110,000	36,000	37,000 J		23 J	18 J	23 J	30
Toluene	5.0	5 0	7500	12,000	18,000	1300	8300 J			S	S	1 J
Chlorobenzene	5.0	5.0	8300	10,000	17,000	1900	8900 J			S	S	
Ethylbenzene	5.0	5.0					R					
Styrene	5.0	5.0					R					
Xylene (total)	5.0	5.0	3500	5500 J	1600 J		1600 J					
Quantitation Limit Multiplier			640	1200	1300	230	550	1.00	1.20	2 10	2.00	1.15
Date Sample Received by Laboratory			07/03/90	07/03/90	07/03/90	07/03/90	07/31/90	07/03/90	06/30/90	06/30/90	06/30/90	06/30/90
Date of Sample Analysis			07/13/90	07/13/90	07/13/90	07/13/90	08/08/90	07/13/90	07/03/90	07/09/90	07/05/90	07/04/90
Instrument Used for Analysis			MS-V2	MS-V2	MS-V2	MS-V2	MS-V3	MS-V4	MS-V1	MS-V1	MS-V1	MS-V1
TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTRATIONS												
VOLATILE COMPONENTS			-	-	-	-	-	NA	-	NA	NA	-
Ethane,1,1,2-Trichloro-1,2,2												
Methylethylbenzene Isomer												

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-17-04	SB-17-7	SB-17-10	SB-17-13	SB-17-14.5	SB-17-202	SB-18-3	SB-18-3-MS	SB-18-3-MSD	SB-18-6
Remarks								Trip Blank				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Phenol	10	330						NA		S	S	
bis(2-Chloroethyl)Ether	10	330						NA				
2-Chlorophenol	10	330						NA		S	S	
1,3-Dichlorobenzene	10	330						NA				
1,4-Dichlorobenzene	10	330	6600 J	2400 J	6700 J			NA		S	S	
Benzyl Alcohol	10	330						NA				
1,2-Dichlorobenzene	10	330	840,000	280,000 J	800,000 J	1,000,000	700,000	NA	130 J	160 J	170 J	71 J
2-Methylphenol	10	330						NA				
bis(2-Chloroisopropyl)Ether	10	330						NA				
4-Methylphenol	10	330						NA				
N-Nitroso-di-n-Propylamine	10	330						NA		S	S	
Hexachloroethane	10	330	4100 J	2100 J	2500 J			NA				
Nitrobenzene	10	330						NA				
Isophorone	10	330						NA				
2-Nitrophenol	10	330						NA				
2,4-Dimethylphenol	10	330						NA				
Benzoic Acid	50	1650		48,000	74,000			NA				
bis(2-Chloroethoxy)Methane	10	330						NA				
2,4-Dichlorophenol	10	330						NA				
1,2,4-Trichlorobenzene	10	330						NA		S	S	
Naphthalene	10	330						NA				
4-Chloroaniline	10	330						NA				
Hexachlorobutadiene	10	330						NA			45 J	

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-17-04	SB-17-7	SB-17-10	SB-17-13	SB-17-14.5	SB-17-202	SB-18-3	SB-18-3-MS	SB-18-3-MSD	SB-18-6
Remarks								Trip Blank				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330						NA		S	S	
2-Methylnaphthalene	10	330						NA				
Hexachlorocyclopentadiene	10	330	1300 J					NA				
2,4,6-Trichlorophenol	10	330	11/3/94					NA				
2,4,5-Trichlorophenol	50	1650						NA				
2-Chloronaphthalene	10	330						NA				
2-Nitroaniline	50	1650						NA				
Dimethyl Phthalate	10	330						NA				
Acenaphthylene	10	330						NA				
3-Nitroaniline	50	1650						NA				
Acenaphthene	10	330						NA		S	S	
2,4-Dinitrophenol	50	1650						NA				
4-Nitrophenol	50	1650						NA		S	S	
Dibenzofuran	10	330						NA				
2,4-Dinitrotoluene	10	330						NA		S	S	
2,6-Dinitrotoluene	10	330						NA				
Diethylphthalate	10	330						NA				
4-Chlorophenyl-phenylether	10	330						NA				
Fluorene	10	330						NA				
4-Nitroaniline	50	1650						NA				
4,6-Dinitro-2-Methylphenol	50	1650						NA				
N-Nitrosodiphenylamine	10	330						NA				
4-Bromophenyl-phenylether	10	330						NA				
Hexachlorobenzene	10	330		890 J	1400 J			NA	350 J	310 J	300 J	
Pentachlorophenol	10	330						NA		S	S	

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-17-04	SB-17-7	SB-17-10	SB-17-13	SB-17-14.5	SB-17-202	SB-18-3	SB-18-3-MS	SB-18-3-MSD	SB-18-6
Remarks								Trip Blank				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330						NA				
Anthracene	10	330						NA				
Di-n-Butylphthalate	10	330						NA				
Fluoranthene	10	330						NA				
Pyrene	10	330						NA		S	S	
Butylbenzylphthalate	10	330						NA				
3,3'-Dichlorobenzidine	20	660						NA				
Benzo(a)Anthracene	10	330						NA				
Chrysene	10	330						NA				
bis(2-Ethylhexyl)Phthalate	10	330		690 J				NA	220 J	160 J	170 J	130 J
Di-n-Octyl Phthalate	10	330						NA				
Benzo(b)Fluoranthene	10	330						NA				
Benzo(k)Fluoranthene	10	330						NA				
Benzo(a)Pyrene	10	330						NA				
Indeno(1,2,3-cd)Pyrene	10	330						NA				
Dibenz(a,h)Anthracene	10	330						NA				
Benzo(g,h,i)Perylene	10	330						NA				
Diphenyl Sulfone	10	330	370,000 J	100,000 J	200,000 J	210,000 J	120,000	NA	670 J	S	S	640 J
3,4-Dichloronitrobenzene	10	330				UL		NA	NA	NA	NA	NA
Quantitation Limit Multiplier			242	13.9	24.5	454	288	NA	1.21	1.24	1.21	1.21
Date Sample Received by Laboratory			07/03/90	07/03/90	07/03/90	07/03/90	07/03/90	NA	06/30/90	06/30/90	06/30/90	06/30/90
Date Sample Extracted			07/06/90	07/06/90	07/06/90	07/06/90	07/06/90	NA	07/02/90	07/02/90	07/02/90	07/02/90
Date of Sample Analysis			08/08/90	08/07/90	08/07/90	08/08/90	08/10/90	NA	07/19/90	07/19/90	07/19/90	07/19/90
Instrument Used for Analysis			GCMSS6	GCMSS6	GCMSS6	GCMSS6	GCMSS6	NA	GCMSS3	GCMSS3	GCMSS3	GCMSS3

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-17-04	SB-17-7	SB-17-10	SB-17-13	SB-17-14.5	SB-17-202	SB-18-3	SB-18-3-MS	SB-18-3-MSD	SB-18-6
Remarks								Trip Blank				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
alpha-BHC	0.05	8.0						NA				
beta-BHC	0.05	8.0						NA				
delta-BHC	0.05	8.0				UL		NA				
Lindane	0.05	8.0						NA		S	S	
Heptachlor	0.05	8.0		UL		UL	UL	NA		S	S	
Aldrin	0.05	8.0						NA		S	S	
Heptachlor epoxide	0 05	8.0						NA				
Endosulfan I	0.05	8 0						NA				
Dieldrin	0.10	16 0				UL		NA		S	S	
4,4'-DDE	0.10	16.0						NA				
Endrin	0.10	16 0		UL	UL	UL	UL	NA		S	S	R
Endosulfan II	0.10	16.0			UL	UL	UL	NA				
4,4'-DDD	0 10	16.0						NA				
Endosulfan sulfate	0.10	16.0	UL	UL	UL	UL	UL	NA				R
4,4'-DDT	0.10	16.0			UL	UL		NA		S	S	R
Methoxychlor	0.50	80	1500 J	9200 J	280,000	210,000	250,000	NA	830 J	3300 J	980 J	
Endrin ketone	0.10	16.0						NA				
alpha-Chlordane	0.10	80			UL	UL		NA				
gamma-Chlordane	0.10	80						NA				
Toxaphene	1.0	160.0						NA				

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-17-04	SB-17-7	SB-17-10	SB-17-13	SB-17-14.5	SB-17-202	SB-18-3	SB-18-3-MS	SB-18-3-MSD	SB-18-6
Remarks								Trip Blank				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Aroclor-1016	0.5	80						NA				
Aroclor-1221	0.5	80						NA				
Aroclor-1232	0.5	80						NA				
Aroclor-1242	0.5	80						NA				
Aroclor-1248	0.5	80						NA				
Aroclor-1254	1.0	160						NA				
Aroclor-1260	1.0	160						NA				
Quantitation Limit Multiplier			58.8	288	300	275	562	NA	12.3	10.6	10.6	1.16
Date Sample Received By Laboratory			07/03/90	07/03/90	07/03/90	07/03/90	07/03/90	NA	06/30/90	06/30/90	06/30/90	06/30/90
Date Sample Extracted			07/05/90	07/05/90	07/05/90	07/05/90	07/05/90	NA	07/02/90	07/02/90	07/02/90	07/02/90
Date of Sample Analysis			08/08/90	08/08/90	08/08/90	08/08/90	08/08/90	NA	08/07/90	08/07/90	08/07/90	07/26/90
Instrument Used for Analysis								NA				

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-17-04	SB-17-7	SB-17-10	SB-17-13	SB-17-14.5	SB-17-202	SB-18-3	SB-18-3-MS	SB-18-3-MSD	SB-18-6
Remarks								Trip Blank				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aq)	Reporting Limit (Sol)										
Kepone	0.132	68.0	**	**	**	*	*	NA	R**	S	S	**
Photomirex	0.0474	20 4	**	**	**	*		NA	UL**	S	S	**
Mirex	0 00544	18.5	2900 J**	25,700 **	21,400 **	30,000 **	12,700 **	NA	13,300 J**	S	S	1220 J**
Reporting Limit Multiplier			241	231	249	1.10/220	1.16/232		237	35.0	34.6	22.8
Date Sample Received by Laboratory			7/3/90	7/3/90	7/3/90	7/3/90	7/3/90		06/30/90	06/30/90	06/30/90	06/30/90
Date Sample Extracted			7/3/90	7/3/90	7/3/90	7/3/90	7/3/90		07/02/90	07/02/90	07/02/90	07/02/90
Date of Sample Analysis			10/27/90	10/27/90	10/27/90	10/27/90 & 10/30/90	10/27/90 & 10/30/90		09/28/90	09/28/90	09/28/90	09/28/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3		GCMSS3	GCMSS3	GCMSS3	GCMSS3

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-18-9	SB-18-12	SB-18-15	SB-38-15	SB-18-18	SB-18-19.5	SB-19-3.0	SB-19N-6	SB-19N-9
Remarks						Duplicate of SB-18-15					
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Chloromethane	10	10	R						R		
Bromomethane	10	10	R						R		
Vinyl Chloride	10	10	R						R		
Chloroethane	10	10	R						R		
Methylene Chloride	5.0	5.0	29,000 U	700 U	610 U	19 U	12 U		9500 U	1800 U	4100 U
Acetone	10	10	R		1200 U	30 U	11 U	14 U	R		
Carbon Disulfide	5.0	5.0	R						R		
1,1-Dichloroethene	5.0	5.0	R						R		
1,1-Dichloroethane	5.0	5.0	R						R		
1,2-Dichloroethene (total)	5.0	5.0	R			3 J		8	R		
Chloroform	5 0	5 0	R						530 J		
1,2-Dichloroethane	5.0	5.0	R			13	7	36	R		970 J
2-Butanone	10	10	R	1400 U	1600 U	11 U	11 U	11 U	R	2600 U	6500 U
1,1,1-Trichloroethane	5.0	5.0	R						R		
Carbon Tetrachloride	5.0	5 0	R						R		
Vinyl Acetate	10	10	R						R		
Bromodichloromethane	5.0	5.0	R						R		
1,1,2,2-Tetrachloroethane	5.0	5.0	R	1700			5 J		14,000 J	11,000	14,000
1,2-Dichloropropane	5.0	5.0	R						R		
trans-1,3-Dichloropropene	5.0	5.0	R						R		
Trichloroethene	5.0	5.0	R	1100	250 J	49 J	5 J	84	7500 J	2500	17,000
Dibromochloromethane	5.0	5.0	R						R		
1,1,2-Trichloroethane	5.0	5.0	R						R		

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-18-9	SB-18-12	SB-18-15	SB-38-15	SB-18-18	SB-18-19.5	SB-19-3.0	SB-19N-6	SB-19N-9
Remarks						Duplicate of SB-18-15					
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5 0	R	1700	250 J	72 J	12	7	6600 J	2500	9000
cis-1,3-Dichloropropene	5.0	5 0	R						R		
Bromoform	5.0	5.0	R	2100					R	390 J	
2-Hexanone	10	10	R						R		
4-Methyl-2-Pentanone	10	10	R						R		
Tetrachloroethene	5.0	5 0	2500 J	22,000	1600 U	140 J	38	50	33,000 J	31,000	67,000
Toluene	5.0	5.0	R	290 J		1 J	2 J		17,000 J	5700	23,000
Chlorobenzene	5 0	5 0	1300 J	14,000	280 J	51	5 J	5 J	9400 J	3200	4700
Ethylbenzene	5.0	5.0	R						2600 J	1000 J	5200
Styrene	5.0	5.0	R						R		
Xylene (total)	5 0	5.0	R	290 J					16,000 J	4900	20,000
Quantitation Limit Multiplier			540	140	120	1.10	1.10	1.10	300	260	650
Date Sample Received by Laboratory			07/31/90	06/30/90	06/30/90	06/30/90	06/30/90	06/30/90	07/31/90	06/28/90	06/28/90
Date of Sample Analysis			08/08/90	07/10/90	07/10/90	07/05/90	07/09/90	07/10/90	08/08/90	07/03/90	07/03/90
Instrument Used for Analysis			MS-V3	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V3	MS-V2	MS-V2
TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTR											
VOLATILE COMPONENTS			-	-	-	-	-	-		-	-
Ethane,1,1,2-Trichloro-1,2,2											
Methylethylbenzene Isomer									5700 J		

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-18-9	SB-18-12	SB-18-15	SB-38-15	SB-18-18	SB-18-19.5	SB-19-3.0	SB-19N-6	SB-19N-9
Remarks						Duplicate of SB-18-15					
Units			ug/kg	ug/kg	ug/kg	ug/kg	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		4500	1100 J	1700 J		59 J	1200 J	3700 J	2000 J
Benzyl Alcohol	10	330									
1,2-Dichlorobenzene	10	330	7500	560,000	130,000 J	180,000 J	2700	8100	140,000 J	550,000	350,000
2-Methylphenol	10	330									
bis(2-Chloroisopropyl)Ether	10	330									
4-Methylphenol	10	330									
N-Nitroso-di-n-Propylamine	10	330									
Hexachloroethane	10	330		320 J					1300 J	1100 J	
Nitrobenzene	10	330									
Isophorone	10	330									
2-Nitrophenol	10	330									
2,4-Dimethylphenol	10	330									
Benzoic Acid	50	1650								35,000	50,000
bis(2-Chloroethoxy)Methane	10	330									
2,4-Dichlorophenol	10	330			370 J	370 J					
1,2,4-Trichlorobenzene	10	330		810 J							
Naphthalene	10	330		310 J				95 J	540 J	980 J	
4-Chloroaniline	10	330									
Hexachlorobutadiene	10	330									

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-18-9	SB-18-12	SB-18-15	SB-38-15	SB-18-18	SB-18-19.5	SB-19-3.0	SB-19N-6	SB-19N-9
Remarks						Duplicate of SB-18-15					
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330									
2-Methylnaphthalene	10	330						180 J			
Hexachlorocyclopentadiene	10	330									
2,4,6-Trichlorophenol	10	330									
2,4,5-Trichlorophenol	50	1650									
2-Chloronaphthalene	10	330									
2-Nitroaniline	50	1650									
Dimethyl Phthalate	10	330									
Acenaphthylene	10	330									
3-Nitroaniline	50	1650									
Acenaphthene	10	330									
2,4-Dinitrophenol	50	1650									
4-Nitrophenol	50	1650									
Dibenzofuran	10	330									
2,4-Dinitrotoluene	10	330									
2,6-Dinitrotoluene	10	330									
Diethylphthalate	10	330									
4-Chlorophenyl-phenylether	10	330									
Fluorene	10	330									
4-Nitroaniline	50	1650									
4,6-Dinitro-2-Methylphenol	50	1650									
N-Nitrosodiphenylamine	10	330									
4-Bromophenyl-phenylether	10	330									
Hexachlorobenzene	10	330		600 J					1900 J	1200 J	1500 J
Pentachlorophenol	10	330									

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-18-9	SB-18-12	SB-18-15	SB-38-15	SB-18-18	SB-18-19.5	SB-19-3.0	SB-19N-6	SB-19N-9
Remarks						Duplicate of SB-18-15					
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330						140 J			
Anthracene	10	330									
Di-n-Butylphthalate	10	330									
Fluoranthene	10	330									
Pyrene	10	330									
Butylbenzylphthalate	10	330									
3,3'-Dichlorobenzidine	20	660									
Benzo(a)Anthracene	10	330									
Chrysene	10	330									
bis(2-Ethylhexyl)Phthalate	10	330			2100 J	1600 J		140 J			
Di-n-Octyl Phthalate	10	330									
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						44 J			
Diphenyl Sulfone	10	330	5800 J	150,000 J	10,000 J	17,000 J	3200 J	8900 J	720,000	690,000	340,000
3,4-Dichloronitrobenzene	10	330	NA	NA	NA	NA	NA	NA	NA		
Quantitation Limit Multiplier			3.93	233	55.1	45.5	5 73	3.40	185	170	97.0
Date Sample Received by Laboratory			06/30/90	06/30/90	06/30/90	06/30/90	06/30/90	06/30/90	06/27/90	06/28/90	06/28/90
Date Sample Extracted			07/02/90	07/02/90	07/02/90	07/02/90	07/02/90	07/02/90	06/28/90	06/28/90	06/29/90
Date of Sample Analysis			07/19/90	07/23/90	08/14/90	08/14/90	07/20/90	07/23/90	07/18/90	07/18/90	07/18/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS1	GCMSS1	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-18-9	SB-18-12	SB-18-15	SB-38-15	SB-18-18	SB-18-19.5	SB-19-3.0	SB-19N-6	SB-19N-9
Remarks						Duplicate of SB-18-15					
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
alpha-BHC	0.05	8.0						R			
beta-BHC	0.05	8 0						R			
delta-BHC	0.05	8.0						R			
Lindane	0.05	8 0						R			
Heptachlor	0.05	8 0						R			
Aldrin	0.05	8 0						R			
Heptachlor epoxide	0.05	8.0						R			
Endosulfan I	0.05	8.0						R			
Dieldrin	0 10	16.0						R			
4,4'-DDE	0.10	16 0	R	R			R	R			
Endrin	0.10	16 0	R	R	R		R	R			
Endosulfan II	0.10	16.0						R			
4,4'-DDD	0.10	16.0						R			
Endosulfan sulfate	0.10	16 0		R	R	R	R	R	2500		
4,4'-DDT	0.10	16.0						R			
Methoxychlor	0.50	80	3500	24,000	580	1200 J	9200	R		19,000 J	41,000 J
Endrin ketone	0.10	16.0						R			
alpha-Chlordane	0.10	80						R			
gamma-Chlordane	0.10	80						R			
Toxaphene	1.0	160.0						R			

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-18-9	SB-18-12	SB-18-15	SB-38-15	SB-18-18	SB-18-19.5	SB-19-3.0	SB-19N-6	SB-19N-9
Remarks						Duplicate of SB-18-15					
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Aroclor-1016	0 5	80						R			
Aroclor-1221	0.5	80						R			
Aroclor-1232	0 5	80						R			
Aroclor-1242	0.5	80						R			
Aroclor-1248	0 5	80						R			
Aroclor-1254	1.0	160						R			
Aroclor-1260	1.0	160						R			
Quantitation Limit Multiplier			6.50	12 5	5 50	27 5	58.8	1.13	115	1190	1310
Date Sample Received By Laboratory			06/30/90	06/30/90	06/30/90	06/30/90	06/30/90	06/30/90	06/27/90	11/27/90	11/27/90
Date Sample Extracted			07/02/90	07/02/90	07/02/90	07/02/90	07/02/90	07/02/90	06/28/90	11/30/90	11/30/90
Date of Sample Analysis			08/07/90	08/07/90	08/07/90	08/07/90	08/07/90	07/25/90	07/27/90	12/28/90	12/28/90
Instrument Used for Analysis											

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number RNS-			SB-18-9	SB-18-12	SB-18-15	SB-38-15	SB-18-18	SB-18-19.5	SB-19-3.0	SB-19N-6	SB-19N-9
Remarks						Duplicate of SB-18-15					
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aq)	Reporting Limit (Sol)									
Kepone	0.132	68.0		**	**	**		**	*	R	R
Photomirex	0.0474	20.4		**	**	**	*	**	*	*	*
Mirex	0.00544	18 5	1210 J**	9320 **	1530 J**	697 J**	3030 **	80 1 J**	19400 J**	54800 ** J	210000 ** J
Reporting Limit Multiplier			1 33/13.3	257	54.9	112	1.16/46.3	33.4	1.16/116	1.18/591	1.22/609
Date Sample Received by Laboratory			06/30/90	06/30/90	06/30/90	06/30/90	06/30/90	06/30/90	06/27/90	11/27/90	11/27/90
Date Sample Extracted			07/02/90	07/02/90	07/02/90	07/02/90	07/02/90	07/02/90	06/28/90	11/29/90	11/29/90
Date of Sample Analysis			09/28/90 & 10/17/90	09/28/90	09/28/90	09/28/90	09/28/90 & 10/17/90	09/28/90	08/14/90 & 10/18/90	12/14/90 & 12/15/90	12/15/90 & 12/17/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS2 & GCMSS3	GCMSS3	GCMSS3

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-19R-12.0	SB-19R-15.0	SB-19R-17.5	SB-19R-102	SB-20R-3.0	SB-36R-3.0	SB-20-6	SB-20-9	SB-20-11
Remarks						Field Blank		Dup. of SB-20R-3.0			
Units			ug/Kg	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Chloromethane	10	10	R	R	R		R	R			
Bromomethane	10	10	R	R	R		R	R			
Vinyl Chloride	10	10	R	R	R		R	R			
Chloroethane	10	10	R	R	R		R	R			
Methylene Chloride	5.0	5.0	1,200,000 U	56,000 U	3,300,000 U	6	31,000 U	39,000 U	10,000 U	52,000 U	54,000 U
Acetone	10	10	R	R	R		R	R			
Carbon Disulfide	5.0	5 0	16,000 J	R	R		R	R			
1,1-Dichloroethene	5 0	5.0	R	R	R		R	R			
1,1-Dichloroethane	5.0	5.0	R	R	R		R	R			
1,2-Dichloroethene (total)	5.0	5 0	R	R	R		R	R			
Chloroform	5.0	5 0	R	R	R		R	R			
1,2-Dichloroethane	5.0	5 0	R	19,000 J	R		R	R		14,000 J	38,000 J
2-Butanone	10	10	R	R	R		R	R		100,000 U	310,000 U
1,1,1-Trichloroethane	5.0	5.0	R	R	R		R	R			
Carbon Tetrachloride	5.0	5.0	R	R	R		R	R			17,000 J
Vinyl Acetate	10	10	R	R	R		R	R			
Bromodichloromethane	5.0	5.0	R	R	R		R	R			
1,1,2,2-Tetrachloroethane	5.0	5.0	55,000 J	160,000 J	1,700,000 J		120,000 J	63,000 J	60,000	400,000	660,000
1,2-Dichloropropane	5.0	5.0	R	R	R		R	R			
trans-1,3-Dichloropropene	5.0	5.0	R	R	R		R	R			
Trichloroethene	5.0	5.0	R	55,000 J	510,000 J		33,000 J	24,000 J	13,000	96,000	120,000
Dibromochloromethane	5.0	5.0	R	R	R		R	R			
1,1,2-Trichloroethane	5.0	5.0	R	R	R		R	R			

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-19R-12.0	SB-19R-15.0	SB-19R-17.5	SB-19R-102	SB-20R-3.0	SB-36R-3.0	SB-20-6	SB-20-9	SB-20-11
Remarks						Field Blank		Dup. of SB-20R-3.0			
Units			ug/Kg	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0	41,000 J	67,000 J	500,000 J		33,000 J	22,000 J	11,000	230,000	300,000
cis-1,3-Dichloropropene	5.0	5.0	R	R	R		R	R			
Bromoform	5.0	5 0	R	R	R		2500 J	2200 J			21,000 J
2-Hexanone	10	10	R	R	R		R	R			
4-Methyl-2-Pentanone	10	10	R	R	R		R	R			
Tetrachloroethene	5.0	5 0	430,000 J	1,100,000 J	16,000,000 J		270,000 J	140,000 J	130,000	1,300,000	1,600,000
Toluene	5.0	5 0	23,000 J	20,000 J	170,000 J		96,000 J	76,000 J	32,000	89,000	150,000
Chlorobenzene	5.0	5.0	51,000 J	27,000 J	R		39,000 J	39,000 J	15,000	95,000	150,000
Ethylbenzene	5.0	5.0	R	R	R		13,000 J	9400 J	4500 J		
Styrene	5.0	5.0	R	R	R		R	R			
Xylene (total)	5 0	5.0	R	R	R		72,000 J	54,000 J	24,000		
Quantitation Limit Multiplier			15,000	10,000	120,000	1 00	1200	1200	2100	10,000	11,000
Date Sample Received by Laboratory			07/31/90	07/31/90	07/31/90	07/31/90	07/31/90	07/31/90	06/29/90	06/29/90	06/29/90
Date of Sample Analysis			08/08/90	08/08/90	08/08/90	08/09/90	08/08/90	08/08/90	07/09/90	07/09/90	07/09/90
Instrument Used for Analysis			MS-V3	MS-V3	MS-V3	MS-V3	MS-V3	MS-V3	MS-V2	MS-V1	MS-V2
TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTR											
VOLATILE COMPONENTS			-	-	-				-	-	-
Ethane,1,1,2-Trichloro-1,2,2						11 R					
Methylethylbenzene Isomer							28,000 J	20,000 J			

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-19R-12.0	SB-19R-15.0	SB-19R-17.5	SB-19R-102	SB-20R-3.0	SB-36R-3.0	SB-20-6	SB-20-9	SB-20-11
Remarks						Field Blank		Dup. of SB-20R-3 0			
Units			ug/Kg	ug/Kg	ug/Kg	ug/L	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									1200 J
1,4-Dichlorobenzene	10	330	22,000	19,000	24,000		4800 J	2100 J	3800 J	26,000	27,000 J
Benzyl Alcohol	10	330									
1,2-Dichlorobenzene	10	330	2,700,000 J	2,600,000	3,000,000		640,000 J	250,000 J	430,000 J	3,000,000	2,400,000
2-Methylphenol	10	330									
bis(2-Chloroisopropyl)Ether	10	330									
4-Methylphenol	10	330									
N-Nitroso-di-n-Propylamine	10	330									
Hexachloroethane	10	330	14,000	37,000	330,000 J		2400 J		6900 J	82,000	35,000
Nitrobenzene	10	330									
Isophorone	10	330									
2-Nitrophenol	10	330									
2,4-Dimethylphenol	10	330									
Benzoic Acid	50	1650	390,000 J	54,000	46,000 J		43,000 J	33,000 J	81,000	570,000 J	
bis(2-Chloroethoxy)Methane	10	330									
2,4-Dichlorophenol	10	330			3900 J						
1,2,4-Trichlorobenzene	10	330	2300 J	2600 J	2500 J						3700 J
Naphthalene	10	330		1300 J	3200 J						1200 J
4-Chloroaniline	10	330									
Hexachlorobutadiene	10	330		6100 J	56,000 J		810 J		7300 J	15,000 J	6700 J

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-19R-12.0	SB-19R-15.0	SB-19R-17.5	SB-19R-102	SB-20R-3.0	SB-36R-3.0	SB-20-6	SB-20-9	SB-20-11
Remarks						Field Blank		Dup. of SB-20R-3.0			
Units			ug/Kg	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330									
2-Methylnaphthalene	10	330									
Hexachlorocyclopentadiene	10	330									
2,4,6-Trichlorophenol	10	330									
2,4,5-Trichlorophenol	50	1650									
2-Chloronaphthalene	10	330									
2-Nitroaniline	50	1650									
Dimethyl Phthalate	10	330									
Acenaphthylene	10	330									
3-Nitroaniline	50	1650									
Acenaphthene	10	330									
2,4-Dinitrophenol	50	1650									
4-Nitrophenol	50	1650									
Dibenzofuran	10	330									
2,4-Dinitrotoluene	10	330									
2,6-Dinitrotoluene	10	330									
Diethylphthalate	10	330									
4-Chlorophenyl-phenylether	10	330									
Fluorene	10	330									
4-Nitroaniline	50	1650							R	R	R
4,6-Dinitro-2-Methylphenol	50	1650									
N-Nitrosodiphenylamine	10	330									
4-Bromophenyl-phenylether	10	330									
Hexachlorobenzene	10	330	3700 J	16,000	100,000 J		4000 J	4900 J	17,000	31,000	11,000
Pentachlorophenol	10	330									

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-19R-12.0	SB-19R-15.0	SB-19R-17.5	SB-19R-102	SB-20R-3.0	SB-36R-3.0	SB-20-6	SB-20-9	SB-20-11
Remarks						Field Blank		Dup. of SB-20R-3.0			
Units			ug/Kg	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330									
Anthracene	10	330									
Di-n-Butylphthalate	10	330									
Fluoranthene	10	330									
Pyrene	10	330									
Butylbenzylphthalate	10	330									
3,3'-Dichlorobenzidine	20	660									
Benzo(a)Anthracene	10	330									
Chrysene	10	330									
bis(2-Ethylhexyl)Phthalate	10	330									
Di-n-Octyl Phthalate	10	330									
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									
Diphenyl Sulfone	10	330	1,300,000 J	720,000	1,400,000	1 J	750,000 J	910,000	2,600,000	7,200,000	1,100,000 J
3,4-Dichloronitrobenzene	10	330							NA	NA	NA
Quantitation Limit Multiplier			33.3	28.3	36.4	1.00	22.4	27.0	30.3	1940	30.3
Date Sample Received by Laboratory			06/28/90	06/28/90	06/28/90	06/28/90	06/28/90	06/28/90	06/29/90	06/29/90	06/29/90
Date Sample Extracted			06/28/90	06/28/90	06/28/90	06/29/90	06/28/90	06/28/90	06/29/90	06/29/90	06/29/90
Date of Sample Analysis			07/17/90	07/17/90	07/17/90	07/17/90	07/17/90	07/17/90	07/18/90	07/18/90	07/18/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS1	GCMSS1	GCMSS1

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-19R-12.0	SB-19R-15.0	SB-19R-17.5	SB-19R-102	SB-20R-3.0	SB-36R-3.0	SB-20-6	SB-20-9	SB-20-11
Remarks						Field Blank		Dup. of SB-20R-3.0			
Units			ug/Kg	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
alpha-BHC	0.05	8.0									
beta-BHC	0.05	8.0									
delta-BHC	0.05	8.0									
Lindane	0.05	8.0									
Heptachlor	0.05	8.0									
Aldrin	0.05	8 0									
Heptachlor epoxide	0.05	8.0									
Endosulfan I	0.05	8.0									
Dieldrin	0 10	16.0					3,000 J				
4,4'-DDE	0.10	16.0									
Endrin	0 10	16.0									R
Endosulfan II	0.10	16.0									
4,4'-DDD	0.10	16 0									
Endosulfan sulfate	0.10	16.0									R
4,4'-DDT	0.10	16.0									
Methoxychlor	0.50	80	34,000 J	83,000 J	270,000 J		43,000 J	25,000 J	26,400	22,900 J	46,400
Endrin ketone	0.10	16 0									
alpha-Chlordane	0.10	80									
gamma-Chlordane	0.10	80									
Toxaphene	1.0	160 0									

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-19R-12.0	SB-19R-15.0	SB-19R-17.5	SB-19R-102	SB-20R-3.0	SB-36R-3.0	SB-20-6	SB-20-9	SB-20-11
Remarks						Field Blank		Dup. of SB-20R-3.0			
Units			ug/Kg	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Aroclor-1016	0.5	80									
Aroclor-1221	0 5	80									
Aroclor-1232	0.5	80									
Aroclor-1242	0.5	80									
Aroclor-1248	0.5	80									
Aroclor-1254	1 0	160									
Aroclor-1260	1.0	160									
Quantitation Limit Multiplier			1310	1200	1190	1.00	1250	1200	300	300	288
Date Sample Received By Laboratory			11/27/90	11/27/90	11/27/90	11/27/90	11/27/90	11/27/90	06/29/90	06/29/90	06/29/90
Date Sample Extracted			11/30/90	11/30/90	11/30/90	11/27/90	11/30/90	11/30/90	06/29/90	06/29/90	06/29/90
Date of Sample Analysis			12/28/90	12/28/90	12/28/90	12/14/90	12/28/90	12/28/90	07/28/90	07/28/90	07/28/90
Instrument Used for Analysis											

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-19R-12.0	SB-19R-15.0	SB-19R-17.5	SB-19R-102	SB-20R-3.0	SB-36R-3.0	SB-20-6	SB-20-9	SB-20-11
Remarks						Field Blank		Dup. of SB-20R-3.0			
Units			ug/Kg	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aq)	Reporting Limit (Sol)									
Kepone	0.132	68.0	R	R	R	R	R	R	*		
Photomirex	0.0474	20 4	*	*	*	R	*	*	*	*	*
Mirex	0.00544	18.5	263000 ** J	291000 ** J	133000 ** J	0 0115 J	223000 ** J	70400 ** J	938,000 J**	776,000 **	290,000 **
Reporting Limit Multiplier			1 32/660	1.20/12,000	1.14/4570	1 00	1.20/3010	2.29/918	?	1.15/4600	1.25/2500
Date Sample Received by Laboratory			11/27/90	11/27/90	11/27/90	11/27/90	11/27/90	11/27/90	06/29/90	06/29/90	06/29/90
Date Sample Extracted			11/29/90	11/29/90	11/29/90	11/28/90	11/29/90	11/29/90	06/30/90	06/30/90	06/30/90
Date of Sample Analysis			12/15/90 & 12/17/90	12/15/90 & 12/17/90	12/15/90 & 12/17/90	12/13/90	12/17/90	12/15/90 & 12/17/90	08/14/90 & 10/20/90	08/14/90 & 10/20/90	08/14/90 & 10/20/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-20-14	SB-20-17
Remarks				
Units			ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)		
Chloromethane	10	10		
Bromomethane	10	10		
Vinyl Chloride	10	10		
Chloroethane	10	10		
Methylene Chloride	5.0	5.0	280,000 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	5300 J	19,000 J
1,2-Dichloroethane	5.0	5.0	90,000	250,000
2-Butanone	10	10	110,000 U	110,000 U
1,1,1-Trichloroethane	5.0	5.0		
Carbon Tetrachloride	5.0	5.0	38,000 J	70,000 J
Vinyl Acetate	10	10		
Bromodichloromethane	5.0	5.0		
1,1,2,2-Tetrachloroethane	5.0	5.0	2,000,000	7,200,000 J
1,2-Dichloropropane	5.0	5.0		
trans-1,3-Dichloropropene	5.0	5.0		
Trichloroethene	5.0	5.0	570,000	2,200,000
Dibromochloromethane	5.0	5.0		
1,1,2-Trichloroethane	5.0	5.0		

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-20-14	SB-20-17
Remarks				
Units			ug/kg	ug/kg
Benzene	5.0	5.0	340,000	4,700,000 J
cis-1,3-Dichloropropene	5 0	5.0		
Bromoform	5.0	5 0	10,000 J	
2-Hexanone	10	10		
4-Methyl-2-Pentanone	10	10		
Tetrachloroethene	5.0	5.0	6,800,000 J	38,000,000J
Toluene	5.0	5 0	140,000	550,000 J
Chlorobenzene	5.0	5.0	140,000	110,000
Ethylbenzene	5.0	5 0		
Styrene	5.0	5.0		420,000 J
Xylene (total)	5 0	5.0	13,000 J	
Quantitation Limit Multiplier			11,000	11,000
Date Sample Received by Laboratory			06/29/90	06/29/90
Date of Sample Analysis			07/09/90	07/09/90
Instrument Used for Analysis			MS-V1	MS-V1
TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTR				
VOLATILE COMPONENTS			-	-
Ethane,1,1,2-Trichloro-1,2,2				
Methylethylbenzene Isomer				

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-20-14	SB-20-17
Remarks				
Units			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	5000 J	2600 J
Benzyl Alcohol	10	330		
1,2-Dichlorobenzene	10	330	550,000 J	260,000
2-Methylphenol	10	330		
bis(2-Chloroisopropyl)Ether	10	330		
4-Methylphenol	10	330		
N-Nitroso-di-n-Propylamine	10	330		
Hexachloroethane	10	330	11,000	19,000 J
Nitrobenzene	10	330		
Isophorone	10	330		
2-Nitrophenol	10	330		
2,4-Dimethylphenol	10	330		
Benzoic Acid	50	1650	53,000	14,000 J
bis(2-Chloroethoxy)Methane	10	330		
2,4-Dichlorophenol	10	330		
1,2,4-Trichlorobenzene	10	330		
Naphthalene	10	330		520 J
4-Chloroaniline	10	330		
Hexachlorobutadiene	10	330	3200 J	11,000

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-20-14	SB-20-17
Remarks				
Units			ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330		
2-Methylnaphthalene	10	330		
Hexachlorocyclopentadiene	10	330		
2,4,6-Trichlorophenol	10	330		
2,4,5-Trichlorophenol	50	1650		
2-Chloronaphthalene	10	330		
2-Nitroaniline	50	1650		
Dimethyl Phthalate	10	330		
Acenaphthylene	10	330		
3-Nitroaniline	50	1650		
Acenaphthene	10	330		
2,4-Dinitrophenol	50	1650		
4-Nitrophenol	50	1650		
Dibenzofuran	10	330		
2,4-Dinitrotoluene	10	330		
2,6-Dinitrotoluene	10	330		
Diethylphthalate	10	330		
4-Chlorophenyl-phenylether	10	330		
Fluorene	10	330		
4-Nitroaniline	50	1650	R	R
4,6-Dinitro-2-Methylphenol	50	1650		
N-Nitrosodiphenylamine	10	330		
4-Bromophenyl-phenylether	10	330		
Hexachlorobenzene	10	330	7800 J	23,000 J
Pentachlorophenol	10	330		

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-20-14	SB-20-17
Remarks				
Units			ug/kg	ug/kg
Phenanthrene	10	330		
Anthracene	10	330		
Di-n-Butylphthalate	10	330		
Fluoranthene	10	330		
Pyrene	10	330		
Butylbenzylphthalate	10	330		
3,3'-Dichlorobenzidine	20	660		
Benzo(a)Anthracene	10	330		
Chrysene	10	330		
bis(2-Ethylhexyl)Phthalate	10	330		
Di-n-Octyl Phthalate	10	330		
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		
Diphenyl Sulfone	10	330	350,000 J	420,000
3,4-Dichloronitrobenzene	10	330	NA	NA
Quantitation Limit Multiplier			27.3	11.5
Date Sample Received by Laboratory			06/29/90	06/29/90
Date Sample Extracted			06/29/90	06/29/90
Date of Sample Analysis			07/18/90	07/18/90
Instrument Used for Analysis			GCMSS1	GCMSS1

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-20-14	SB-20-17
Remarks				
Units			ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)		
alpha-BHC	0.05	8.0		
beta-BHC	0.05	8.0		
delta-BHC	0.05	8 0		
Lindane	0.05	8.0		
Heptachlor	0.05	8.0		
Aldrin	0.05	8.0		
Heptachlor epoxide	0.05	8.0		
Endosulfan I	0.05	8.0		
Dieldrin	0.10	16.0		
4,4'-DDE	0.10	16.0		
Endrin	0.10	16.0	R	
Endosulfan II	0.10	16.0		
4,4'-DDD	0.10	16.0		
Endosulfan sulfate	0.10	16.0		
4,4'-DDT	0.10	16.0		
Methoxychlor	0.50	80	26,200	20,500 J
Endrin ketone	0.10	16.0		
alpha-Chlordane	0.10	80		
gamma-Chlordane	0.10	80		
Toxaphene	1.0	160 0		

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-20-14	SB-20-17
Remarks				
Units			ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)		
Aroclor-1016	0.5	80		
Aroclor-1221	0.5	80		
Aroclor-1232	0.5	80		
Aroclor-1242	0.5	80		
Aroclor-1248	0 5	80		
Aroclor-1254	1.0	160		
Aroclor-1260	1.0	160		
Quantitation Limit Multiplier			275	275
Date Sample Received By Laboratory			06/29/90	06/29/90
Date Sample Extracted			06/29/90	06/29/90
Date of Sample Analysis			07/28/90	07/28/90
Instrument Used for Analysis				

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number	RNS-		SB-20-14	SB-20-17
Remarks				
Units			ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aq)	Reporting Limit (Sol)		
Kepone	0.132	68.0	*	*
Photomirex	0.0474	20 4	*	*
Mirex	0 00544	18.5	194,000 **	554,000 J**
Reporting Limit Multiplier			1 13/1130	1.15/2300
Date Sample Received by Laboratory			06/29/90	06/29/90
Date Sample Extracted			06/30/90	06/30/90
Date of Sample Analysis			08/14/90 & 10/20/90	08/14/90 & 10/20/90
Instrument Used for Analysis			GCMSS3	GCMSS3

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-21-3	SB-21-6	SB-21-9	SB-21-12	SB-21-15	SB-37-15	SB-21-16.5	SB-21-200	SB-22-105
Remarks								Duplicate of SB-21-15		Trip Blank	Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/Kg	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Chloromethane	10	10		R	R	450 J	1500 J	R	R		
Bromomethane	10	10		R	R	R	R	R	R		
Vinyl Chloride	10	10		R	R	R	R	R	R		
Chloroethane	10	10		R	R	R	R	R	R		
Methylene Chloride	5.0	5.0	510 U	790,000 U	97,000 U	320 U	8100 U	9500 U	73,000 U	11 J	24
Acetone	10	10	1200 J	R	R	R	R	R	R		
Carbon Disulfide	5.0	5.0		R	R	R	R	R	R		
1,1-Dichloroethene	5.0	5.0		R	R	R	R	R	R		
1,1-Dichloroethane	5.0	5.0		R	R	R	R	R	R		
1,2-Dichloroethene (total)	5.0	5.0		R	R	R	R	R	R		
Chloroform	5.0	5.0	68 J	45,000 J	R	150 J	330 J	R	R		
1,2-Dichloroethane	5.0	5.0	190 J	47,000 J	R	3000 J	1200 J	R	R		
2-Butanone	10	10	1700 U	R	R	R	R	R	R		
1,1,1-Trichloroethane	5.0	5.0		R	R	R	R	R	R		
Carbon Tetrachloride	5.0	5 0		56,000 J	R	R	R	R	R		
Vinyl Acetate	10	10		R	R	R	R	R	R		
Bromodichloromethane	5.0	5.0		R	R	R	R	R	R		
1,1,2,2-Tetrachloroethane	5.0	5.0	1100	120,000 J	52,000 J	960 J	3700 J	3100 J	360,000 J		
1,2-Dichloropropane	5.0	5.0	72 J	R	R	R	R	R	R		
trans-1,3-Dichloropropene	5.0	5.0		R	R	R	R	R	R		
Trichloroethene	5.0	5.0	450	47,000 J	68,000 J	490 J	9900 J	1400 J	120,000 J		
Dibromochloromethane	5.0	5.0		8700 J	R	R	R	R	R		
1,1,2-Trichloroethane	5.0	5.0		R	R	R	R	R	R		

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-21-3	SB-21-6	SB-21-9	SB-21-12	SB-21-15	SB-37-15	SB-21-16.5	SB-21-200	SB-22-105
Remarks								Duplicate of SB-21-15		Trip Blank	Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/Kg	ug/L
Benzene	5.0	5.0	630	830,000 J	24,000 J	2300 J	1800 J	R	57,000 J		
cis-1,3-Dichloropropene	5 0	5 0		R	R	R	R	R	R		
Bromoform	5.0	5.0		34,000 J	R	R	R	R	R		
2-Hexanone	10	10		R	R	R	R	R	R		
4-Methyl-2-Pentanone	10	10		R	R	R	R	R	R		
Tetrachloroethene	5.0	5.0	2900	1,600,000 J	140,000 J	6100 J	29,000 J	7600 J	1,500,000 J		
Toluene	5.0	5 0	250	210,000 J	71,000 J	250 J	630 J	280 J	27,000 J		
Chlorobenzene	5.0	5.0	99 J	300,000 J	5800 J	R	940 J	R	28,000 J		
Ethylbenzene	5.0	5 0		R	57,000 J	R	R	R	R		
Styrene	5.0	5 0		R	R	R	R	R	R		
Xylene (total)	5 0	5.0		45,000 J	250,000 J	R	R	R	R		
Quantitation Limit Multiplier			49 0	7600	1100	52	150	270	11,000	1 00	1.00
Date Sample Received by Laboratory			06/29/90	07/31/90	07/31/90	07/31/90	07/31/90	07/31/90	07/31/90	06/29/90	07/17/90
Date of Sample Analysis			07/09/90	08/06/90	08/06/90	08/05/90	08/06/90	08/09/90	08/08/90	07/09/90	07/27/90
Instrument Used for Analysis			MS-V2	MS-V3	MS-V3	MS-V3	MS-V3	MS-V3	MS-V3	MS-V4	MS-V3

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number RNS-	SB-21-3	SB-21-6	SB-21-9	SB-21-12	SB-21-15	SB-37-15	SB-21-16.5	SB-21-200	SB-22-105
Remarks						Duplicate of SB-21-15		Trip Blank	Field Blank
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/Kg	ug/L
TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTRATIONS									
VOLATILE COMPONENTS		-		-	-	-	-	-	-
Ethane,1,1,2-Trichloro-1,2,2									
Methylethylbenzene Isomer			48,000 J						
3-Methylpentane	1800 J								
Alkene									

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-21-3	SB-21-6	SB-21-9	SB-21-12	SB-21-15	SB-37-15	SB-21-16.5	SB-21-200	SB-22-105
Remarks								Duplicate of SB-21-15		Trip Blank	Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/Kg	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Phenol	10	330				270 J	R			NA	
bis(2-Chloroethyl)Ether	10	330								NA	
2-Chlorophenol	10	330					R			NA	
1,3-Dichlorobenzene	10	330								NA	
1,4-Dichlorobenzene	10	330		4900 J		200 J	570 J	290 J	2000 J	NA	
Benzyl Alcohol	10	330								NA	
1,2-Dichlorobenzene	10	330	6200 J	650,000 J	15,000 J	16,000 J	45,000 J	23,000 J	130,000 J	NA	
2-Methylphenol	10	330					R			NA	
bis(2-Chloroisopropyl)Ether	10	330								NA	
4-Methylphenol	10	330					R			NA	
N-Nitroso-di-n-Propylamine	10	330								NA	
Hexachloroethane	10	330		17,000	2500 J				2000 J	NA	
Nitrobenzene	10	330								NA	
Isophorone	10	330								NA	
2-Nitrophenol	10	330					R			NA	
2,4-Dimethylphenol	10	330					R			NA	
Benzoic Acid	50	1650	89,000 J	220,000 J	35,000	47,000 J	7300 J	5200		NA	
bis(2-Chloroethoxy)Methane	10	330								NA	
2,4-Dichlorophenol	10	330				1100	R			NA	
1,2,4-Trichlorobenzene	10	330		2100 J						NA	
Naphthalene	10	330							230 J	NA	
4-Chloroaniline	10	330								NA	
Hexachlorobutadiene	10	330		5500 J					1800 J	NA	

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-21-3	SB-21-6	SB-21-9	SB-21-12	SB-21-15	SB-37-15	SB-21-16.5	SB-21-200	SB-22-105
Remarks								Duplicate of SB-21-15		Trip Blank	Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/Kg	ug/L
4-Chloro-3-Methylphenol	10	330					R			NA	
2-Methylnaphthalene	10	330								NA	
Hexachlorocyclopentadiene	10	330								NA	
2,4,6-Trichlorophenol	10	330					R			NA	
2,4,5-Trichlorophenol	50	1650					R			NA	
2-Chloronaphthalene	10	330								NA	
2-Nitroaniline	50	1650								NA	
Dimethyl Phthalate	10	330								NA	
Acenaphthylene	10	330								NA	
3-Nitroaniline	50	1650								NA	
Acenaphthene	10	330								NA	
2,4-Dinitrophenol	50	1650					R			NA	
4-Nitrophenol	50	1650					R			NA	
Dibenzofuran	10	330								NA	
2,4-Dinitrotoluene	10	330								NA	
2,6-Dinitrotoluene	10	330								NA	
Diethylphthalate	10	330								NA	2.0 J
4-Chlorophenyl-phenylether	10	330								NA	
Fluorene	10	330								NA	
4-Nitroaniline	50	1650	R	R	R	R	R	R	R	NA	
4,6-Dinitro-2-Methylphenol	50	1650					R			NA	
N-Nitrosodiphenylamine	10	330								NA	1.0 J
4-Bromophenyl-phenylether	10	330								NA	
Hexachlorobenzene	10	330	1500 J	30,000		690 J			4600 J	NA	
Pentachlorophenol	10	330					R			NA	

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-21-3	SB-21-6	SB-21-9	SB-21-12	SB-21-15	SB-37-15	SB-21-16.5	SB-21-200	SB-22-105
Remarks								Duplicate of SB-21-15		Trip Blank	Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/Kg	ug/L
Phenanthrene	10	330								NA	
Anthracene	10	330								NA	
Di-n-Butylphthalate	10	330								NA	
Fluoranthene	10	330								NA	
Pyrene	10	330								NA	
Butylbenzylphthalate	10	330								NA	
3,3'-Dichlorobenzidine	20	660								NA	
Benzo(a)Anthracene	10	330								NA	
Chrysene	10	330								NA	
bis(2-Ethylhexyl)Phthalate	10	330	410 J	1900 J		840 J	320 J	300 J		NA	
Di-n-Octyl Phthalate	10	330								NA	
Benzo(b)Fluoranthene	10	330								NA	
Benzo(k)Fluoranthene	10	330								NA	
Benzo(a)Pyrene	10	330								NA	
Indeno(1,2,3-cd)Pyrene	10	330								NA	
Dibenz(a,h)Anthracene	10	330								NA	
Benzo(g,h,i)Perylene	10	330								NA	
Diphenyl Sulfone	10	330	210,000	7,400,000	410,000 J	28,000 J	30,000 J	18,000 J	110,000	NA	
3,4-Dichloronitrobenzene	10	330	NA	NA	NA	NA	NA	NA	NA	NA	
Quantitation Limit Multiplier			69 7	2450	11.8	2.12	4.24	2.32	6.36	NA	1.00
Date Sample Received by Laboratory			06/29/90	06/29/90	06/29/90	06/29/90	06/29/90	06/29/90	06/29/90	NA	07/17/90
Date Sample Extracted			06/29/90	06/29/90	06/29/90	06/29/90	06/29/90	06/29/90	06/29/90	NA	07/20/90
Date of Sample Analysis			07/18/90	07/18/90	07/18/90	07/19/90	07/19/90	07/19/90	07/19/90	NA	08/23/90
Instrument Used for Analysis			GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	NA	GCMS-S1

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-21-3	SB-21-6	SB-21-9	SB-21-12	SB-21-15	SB-37-15	SB-21-16.5	SB-21-200	SB-22-105
Remarks								Duplicate of SB-21-15		Trip Blank	Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/Kg	ug/L
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
alpha-BHC	0.05	8.0								NA	
beta-BHC	0.05	8.0								NA	
delta-BHC	0.05	8.0								NA	
Lindane	0.05	8.0								NA	
Heptachlor	0.05	8.0								NA	
Aldrin	0.05	8.0								NA	
Heptachlor epoxide	0.05	8.0								NA	
Endosulfan I	0.05	8.0								NA	
Dieldrin	0.10	16.0								NA	
4,4'-DDE	0.10	16.0								NA	
Endrin	0.10	16.0	R	R						NA	
Endosulfan II	0.10	16.0								NA	
4,4'-DDD	0.10	16.0								NA	
Endosulfan sulfate	0.10	16.0								NA	
4,4'-DDT	0.10	16.0								NA	
Methoxychlor	0.50	80	21,100 J	20,400 J			2990 J	498 J	14,200 J	NA	
Endrin ketone	0.10	16.0								NA	
alpha-Chlordane	0.10	80								NA	
gamma-Chlordane	0.10	80								NA	
Toxaphene	1.0	160.0								NA	

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-21-3	SB-21-6	SB-21-9	SB-21-12	SB-21-15	SB-37-15	SB-21-16.5	SB-21-200	SB-22-105
Remarks								Duplicate of SB-21-15		Trip Blank	Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/Kg	ug/L
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Aroclor-1016	0 5	80								NA	
Aroclor-1221	0.5	80								NA	
Aroclor-1232	0.5	80								NA	
Aroclor-1242	0 5	80								NA	
Aroclor-1248	0.5	80								NA	
Aroclor-1254	1.0	160								NA	
Aroclor-1260	1.0	160								NA	
Quantitation Limit Multiplier			288	280	313	288	325	288	263	NA	1.00
Date Sample Received By Laboratory			06/29/90	06/29/90	06/29/90	06/29/90	06/29/90	06/29/90	06/29/90	NA	12/06/90
Date Sample Extracted			06/29/90	06/29/90	06/29/90	06/29/90	06/29/90	06/29/90	06/29/90	NA	12/11/90
Date of Sample Analysis			07/28/90	07/28/90	08/01/90	07/28/90	07/28/90	07/28/90	07/28/90	NA	01/03/90
Instrument Used for Analysis										NA	

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number	RNS-	SB-21-3	SB-21-6	SB-21-9	SB-21-12	SB-21-15	SB-37-15	SB-21-16.5	SB-21-200	SB-22-105
Remarks							Duplicate of SB-21-15		Trip Blank	Field Blank
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/Kg	ug/L
COMPOUNDS	Reporting Limit (Aq) / Reporting Limit (Sol)									
Kepone	0.132 / 68.0	*	*	*				*	NA	
Photomirex	0.0474 / 20.4	*	*	*	*	*	*	*	NA	
Mirex	0.00544 / 18.5	297,000 J**	249,000 J**	9810 **	3550 J**	9700 J**	3870 J**	169,000 J**	NA	
Reporting Limit Multiplier		*1.16/928*	*1.23/615*	*1.23/246*	*0.98/196*	*1.40/279*	*1.13/113*	*1.03/412*	NA	*1.0*
Date Sample Received by Laboratory		06/29/90	06/29/90	06/29/90	06/29/90	06/29/90	06/29/90	06/29/90	NA	07/17/90
Date Sample Extracted		06/30/90	06/30/90	06/30/90	06/30/90	06/30/90	06/30/90	06/30/90	NA	07/20/90
Date of Sample Analysis		08/14/90 & 10/20/90	10/19/90 & 10/20/90	10/19/90 & 10/20/90	10/19/90 & 10/20/90	10/19/90 & 10/24/90	10/19/90 & 10/24/90	10/19/90 & 10/24/90	NA	08/17/90
Instrument Used for Analysis		GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	NA	GCMSS3

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-22-3	SB-43-3	SB-22-6	SB-22-9	SB-22-12	SB-22-15	SB-22-18	SB-22-18MS	SB-22-18MSD	SB-23-3
Remarks				Dup. of SB-22-3								
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Chloromethane	10	10										
Bromomethane	10	10										
Vinyl Chloride	10	10										
Chloroethane	10	10										
Methylene Chloride	5.0	5.0		6.0 U	7.0 U	6.0 U	6.0 U	9.0 U	6.0 U	6.0 U	6.0 U	9.0 U
Acetone	10	10		12 U				11 U	11 U			
Carbon Disulfide	5.0	5 0										
1,1-Dichloroethene	5.0	5.0								S	S	
1,1-Dichloroethane	5.0	5.0										
1,2-Dichloroethene (total)	5.0	5.0										
Chloroform	5.0	5.0						2.0 J				
1,2-Dichloroethane	5 0	5.0						28				
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			12	12	2.0 J	4.0 J				
1,2-Dichloropropane	5.0	5.0										
trans-1,3-Dichloropropene	5.0	5.0										
Trichloroethene	5.0	5.0			2.0 J		18	140	4.0 J	S	S	
Dibromochloromethane	5.0	5.0										
1,1,2-Trichloroethane	5.0	5.0										

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-22-3	SB-43-3	SB-22-6	SB-22-9	SB-22-12	SB-22-15	SB-22-18	SB-22-18MS	SB-22-18MSD	SB-23-3
Remarks				Dup. of SB-22-3								
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0						43	1.0 J	S	S	
cis-1,3-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	2.0 J	3.0 J	10	3.0 J	10	5.0 J	12	6.0 J	10 J	
Toluene	5.0	5.0							5.0 J	S	S	
Chlorobenzene	5.0	5.0								S	S	
Ethylbenzene	5.0	5.0							1.0 J			
Styrene	5.0	5.0										
Xylene (total)	5.0	5.0							6.0			
Quantitation Limit Multiplier			1.30	1.20	1.10	1.10	1.20	1.10	1.20	1.10	1.20	1.20
Date Sample Received by Laboratory			07/17/90	07/17/90	07/17/90	07/17/90	07/17/90	07/17/90	07/17/90	07/17/90	07/17/90	07/17/90
Date of Sample Analysis			07/25/90	07/25/90	07/25/90	07/25/90	07/25/90	07/25/90	07/26/90	07/28/90	07/28/90	07/26/90
Instrument Used for Analysis			MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number RNS-	SB-22-3	SB-43-3	SB-22-6	SB-22-9	SB-22-12	SB-22-15	SB-22-18	SB-22-18MS	SB-22-18MSD	SB-23-3
Remarks		Dup. of SB-22-3								
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTR										
VOLATILE COMPONENTS							-	NA	NA	-
Ethane,1,1,2-Trichloro-1,2,2	11 J	8.5 J	17 J	13 J	17 J	10 J				
Methylethylbenzene Isomer										
3-Methylpentane										
Alkene										

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-22-3	SB-43-3	SB-22-6	SB-22-9	SB-22-12	SB-22-15	SB-22-18	SB-22-18MS	SB-22-18MSD	SB-23-3
Remarks				Dup. of SB-22-3								
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	*Quantitation* Limit (Aq)	*Quantitation* Limit (Sol)										
Phenol	10	330								S	S	
bis(2-Chloroethyl)Ether	10	330										
2-Chlorophenol	10	330								S	S	
1,3-Dichlorobenzene	10	330										
1,4-Dichlorobenzene	10	330								S	S	
Benzyl Alcohol	10	330										
1,2-Dichlorobenzene	10	330										
2-Methylphenol	10	330										
bis(2-Chloroisopropyl)Ether	10	330										
4-Methylphenol	10	330										
N-Nitroso-di-n-Propylamine	10	330							UL	S	S	
Hexachloroethane	10	330										
Nitrobenzene	10	330										
Isophorone	10	330										
2-Nitrophenol	10	330										
2,4-Dimethylphenol	10	330										
Benzoic Acid	50	1650										
bis(2-Chloroethoxy)Methane	10	330										
2,4-Dichlorophenol	10	330										
1,2,4-Trichlorobenzene	10	330								S	S	
Naphthalene	10	330										
4-Chloroaniline	10	330										
Hexachlorobutadiene	10	330										

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-22-3	SB-43-3	SB-22-6	SB-22-9	SB-22-12	SB-22-15	SB-22-18	SB-22-18MS	SB-22-18MSD	SB-23-3
Remarks				Dup. of SB-22-3								
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330								S	S	
2-Methylnaphthalene	10	330										
Hexachlorocyclopentadiene	10	330										
2,4,6-Trichlorophenol	10	330										
2,4,5-Trichlorophenol	50	1650										
2-Chloronaphthalene	10	330										
2-Nitroaniline	50	1650										
Dimethyl Phthalate	10	330										
Acenaphthylene	10	330										
3-Nitroaniline	50	1650										
Acenaphthene	10	330								S	S	
2,4-Dinitrophenol	50	1650										
4-Nitrophenol	50	1650								S	S	
Dibenzofuran	10	330										
2,4-Dinitrotoluene	10	330								S	S	
2,6-Dinitrotoluene	10	330										
Diethylphthalate	10	330	200 B		160 B							
4-Chlorophenyl-phenylether	10	330										
Fluorene	10	330										
4-Nitroaniline	50	1650										
4,6-Dinitro-2-Methylphenol	50	1650										
N-Nitrosodiphenylamine	10	330	140 B		130 B							
4-Bromophenyl-phenylether	10	330										
Hexachlorobenzene	10	330										160 J
Pentachlorophenol	10	330								S	S	

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-22-3	SB-43-3	SB-22-6	SB-22-9	SB-22-12	SB-22-15	SB-22-18	SB-22-18MS	SB-22-18MSD	SB-23-3
Remarks				Dup. of SB-22-3								
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330								S	S	
Anthracene	10	330										
Di-n-Butylphthalate	10	330										
Fluoranthene	10	330										
Pyrene	10	330										
Butylbenzylphthalate	10	330										
3,3'-Dichlorobenzidine	20	660										
Benzo(a)Anthracene	10	330										
Chrysene	10	330										
bis(2-Ethylhexyl)Phthalate	10	330				100 J						
Di-n-Octyl Phthalate	10	330										
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										
Diphenyl Sulfone	10	330							160 J	S	S	170 J
3,4-Dichloronitrobenzene	10	330								S	S	
Quantitation Limit Multiplier			2.54	2.42	2.30	2.33	2.24	2.24	2.36	2.33	2.33	3.03
Date Sample Received by Laboratory			07/17/90	07/17/90	07/17/90	07/17/90	07/17/90	07/17/90	07/17/90	07/17/90	07/17/90	07/17/90
Date Sample Extracted			07/20/90	07/20/90	07/20/90	07/20/90	07/20/90	07/20/90	07/20/90	07/20/90	07/20/90	07/20/90
Date of Sample Analysis			08/23/90	08/27/90	08/23/90	08/27/90	08/27/90	08/27/90	08/27/90	08/27/90	08/27/90	08/27/90
Instrument Used for Analysis			GCMS-S1	GCMS-S1	GCMS-S1	GCMS-S1	GCMS-S1	GCMS-S1	GCMS-S1	GCMS-S1	GCMS-S1	GCMS-S1

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-22-3	SB-43-3	SB-22-6	SB-22-9	SB-22-12	SB-22-15	SB-22-18	SB-22-18MS	SB-22-18MSD	SB-23-3
Remarks				Dup. of SB-22-3								
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
alpha-BHC	0.05	8.0										
beta-BHC	0 05	8.0										
delta-BHC	0.05	8.0										
Lindane	0.05	8.0								S	S	
Heptachlor	0.05	8.0								S	S	
Aldrin	0 05	8.0								S	S	
Heptachlor epoxide	0.05	8 0										
Endosulfan I	0.05	8.0										
Dieldrin	0.10	16.0								S	S	
4,4'-DDE	0.10	16.0										
Endrin	0.10	16.0								S	S	
Endosulfan II	0 10	16 0										
4,4'-DDD	0 10	16.0										
Endosulfan sulfate	0.10	16.0		R								
4,4'-DDT	0.10	16.0								S	S	
Methoxychlor	0.50	80		R								R
Endrin ketone	0.10	16.0		R								
alpha-Chlordane	0.10	80										
gamma-Chlordane	0.10	80										
Toxaphene	1.0	160.0		UL								

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-22-3	SB-43-3	SB-22-6	SB-22-9	SB-22-12	SB-22-15	SB-22-18	SB-22-18MS	SB-22-18MSD	SB-23-3
Remarks				Dup. of SB-22-3								
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Aroclor-1016	0.5	80										
Aroclor-1221	0.5	80										
Aroclor-1232	0.5	80										
Aroclor-1242	0.5	80										
Aroclor-1248	0.5	80										
Aroclor-1254	1.0	160										
Aroclor-1260	1.0	160										
Quantitation Limit Multiplier			150	13.8	1.15	1 15	1.14	115	11.8	11.8	11 8	18.8
Date Sample Received By Laboratory			12/06/90	12/06/90	07/17/90	07/17/90	12/06/90	12/06/90	12/06/90	12/06/90	12/06/90	12/06/90
Date Sample Extracted			12/12/90	12/12/90	07/23/90	07/23/90	12/12/90	12/12/90	12/12/90	12/12/90	12/12/90	12/12/90
Date of Sample Analysis			01/12/91	01/13/91	08/14/90	08/15/90	01/13/91	01/12/91	01/13/91	01/13/91	01/13/91	01/12/91
Instrument Used for Analysis					MS-24	MS-24						

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number RNS-	Reporting Limit (Aq)	Reporting Limit (Sol)	SB-22-3	SB-43-3	SB-22-6	SB-22-9	SB-22-12	SB-22-15	SB-22-18	SB-22-18MS	SB-22-18MSD	SB-23-3
Remarks				Dup. of SB-22-3								
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS												
Kepone	0.132	68.0	*							S	S	761 J**
Photomirex	0.0474	20.4	*	*						S	S	*
Mirex	0.00544	18.5	389 J**	297 J**	3.28 J	11.0 J	39 8 J	5.99 J	7.89 J	S	S	8850 **
Reporting Limit Multiplier			1.23/24.6	1.15/23.1	1.16	1.16	1.07	1.13	1.15	1 18	1.17	1.46/73.0
Date Sample Received by Laboratory			07/17/90	07/17/90	07/17/90	07/17/90	07/17/90	07/17/90	07/17/90	07/17/90	07/17/90	07/17/90
Date Sample Extracted			07/19/90	07/19/90	07/19/90	07/19/90	07/19/90	07/19/90	07/19/90	07/19/90	07/19/90	07/19/90
Date of Sample Analysis			08/17/90 & 08/18/90	08/17/90 & 08/18/90	08/17/90	08/17/90	08/17/90	08/17/90	08/18/90	08/18/90	08/18/90	08/18/90 & 08/22/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-23-6	SB-23-9	SB-23-12	SB-23-15	SB-24-3	SB-40-3	SB-24-6	SB-24-6-MS	SB-24-6-MSD	SB-24-8
Remarks								Duplicate of SB-24-3				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Chloromethane	10	10										
Bromomethane	10	10										
Vinyl Chloride	10	10										
Chloroethane	10	10										
Methylene Chloride	5.0	5.0	6.0 U	6.0 U			13 U	19 U	16 U	16 U	17 U	1300 U
Acetone	10	10			11 U	13 U		21 U		49 J		
Carbon Disulfide	5.0	5 0										
1,1-Dichloroethene	5.0	5.0								S	S	
1,1-Dichloroethane	5.0	5.0										
1,2-Dichloroethene (total)	5.0	5.0										
Chloroform	5.0	5.0				5 J						
1,2-Dichloroethane	5.0	5.0				27			6 J	10 J	4 J	
2-Butanone	10	10					23 U	21 U				
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	5.0 J			23	12	14	160 J	S	S	450 J
Dibromochloromethane	5.0	5.0										
1,1,2-Trichloroethane	5.0	5.0										

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-23-6	SB-23-9	SB-23-12	SB-23-15	SB-24-3	SB-40-3	SB-24-6	SB-24-6-MS	SB-24-6-MSD	SB-24-8
Remarks								Duplicate of SB-24-3				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0				61			24 J	S	S	620 J
cis-1,3-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	8.0				15	20	180 J	300 J	210 J	590 J
Toluene	5.0	5.0				1 J			31 J	S	S	710 J
Chlorobenzene	5.0	5.0							15 J	S	S	170 J
Ethylbenzene	5.0	5.0							16 J	25 J	17 J	390 J
Styrene	5 0	5.0							13 J	21 J	14 J	200 J
Xylene (total)	5.0	5.0							47 J	76 J	53 J	3200 J
Quantitation Limit Multiplier			1.50	1.10	1.10	1.20	2.30	2.10	3.00	3.20	3 37	70.0
Date Sample Received by Laboratory			07/17/90	07/17/90	07/18/90	07/18/90	07/03/90	07/03/90	07/05/90	07/05/90	07/05/90	07/26/90
Date of Sample Analysis			07/28/90	07/28/90	07/26/90	07/26/90	07/12/90	07/12/90	07/15/90	07/15/90	07/15/90	08/05/90
Instrument Used for Analysis			MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V3

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number RNS-	SB-23-6	SB-23-9	SB-23-12	SB-23-15	SB-24-3	SB-40-3	SB-24-6	SB-24-6-MS	SB-24-6-MSD	SB-24-8
Remarks						Duplicate of SB-24-3				
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTR										
VOLATILE COMPONENTS	-	-	-	-	NA	NA	-	NA	NA	NA
Ethane,1,1,2-Trichloro-1,2,2										
Methylethylbenzene Isomer										
3-Methylpentane										
Alkene										

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-23-6	SB-23-9	SB-23-12	SB-23-15	SB-24-3	SB-40-3	SB-24-6	SB-24-6-MS	SB-24-6-MSD	SB-24-8
Remarks								Duplicate of SB-24-3				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Phenol	10	330			UL	UL				S	S	
bis(2-Chloroethyl)Ether	10	330			UL	UL						
2-Chlorophenol	10	330			UL	UL				S	S	
1,3-Dichlorobenzene	10	330			UL	UL						
1,4-Dichlorobenzene	10	330			UL	UL				S	S	
Benzyl Alcohol	10	330			UL	UL						
1,2-Dichlorobenzene	10	330			UL	UL		160 J				690 J
2-Methylphenol	10	330			UL	UL						
bis(2-Chloroisopropyl)Ether	10	330			UL	UL						
4-Methylphenol	10	330			UL	UL						
N-Nitroso-di-n-Propylamine	10	330			UL	UL				S	S	
Hexachloroethane	10	330			UL	UL						
Nitrobenzene	10	330			UL	UL						
Isophorone	10	330			UL	UL						
2-Nitrophenol	10	330			UL	UL						
2,4-Dimethylphenol	10	330			UL	UL						
Benzoic Acid	50	1650			UL	UL						
bis(2-Chloroethoxy)Methane	10	330			UL	UL						
2,4-Dichlorophenol	10	330			UL	UL						
1,2,4-Trichlorobenzene	10	330			UL	UL				S	S	
Naphthalene	10	330			UL	UL						
4-Chloroaniline	10	330			UL	UL						
Hexachlorobutadiene	10	330			UL	UL						

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-23-6	SB-23-9	SB-23-12	SB-23-15	SB-24-3	SB-40-3	SB-24-6	SB-24-6-MS	SB-24-6-MSD	SB-24-8
Remarks								Duplicate of SB-24-3				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330			UL	UL				S	S	
2-Methylnaphthalene	10	330			UL	UL						
Hexachlorocyclopentadiene	10	330			UL	UL						
2,4,6-Trichlorophenol	10	330			UL	UL						
2,4,5-Trichlorophenol	50	1650			UL	UL						
2-Chloronaphthalene	10	330			UL	UL						
2-Nitroaniline	50	1650			UL	UL						
Dimethyl Phthalate	10	330			UL	UL						
Acenaphthylene	10	330			UL	UL						
3-Nitroaniline	50	1650			UL	UL						
Acenaphthene	10	330			UL	UL				S	S	
2,4-Dinitrophenol	50	1650			UL	UL						
4-Nitrophenol	50	1650			UL	UL				S	S	
Dibenzofuran	10	330			UL	UL						
2,4-Dinitrotoluene	10	330			UL	UL				S	S	
2,6-Dinitrotoluene	10	330			UL	UL						
Diethylphthalate	10	330			UL	UL			19,000 J	17,000 J	14,000 J	
4-Chlorophenyl-phenylether	10	330			UL	UL						
Fluorene	10	330			UL	UL						
4-Nitroaniline	50	1650			UL	UL						
4,6-Dinitro-2-Methylphenol	50	1650			UL	UL						
N-Nitrosodiphenylamine	10	330			380 U	380 U			13,000 J	14,000 J	15,000 J	4400 J
4-Bromophenyl-phenylether	10	330			UL	UL						
Hexachlorobenzene	10	330			UL	UL	460 J					
Pentachlorophenol	10	330			UL	UL				S	S	

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-23-6	SB-23-9	SB-23-12	SB-23-15	SB-24-3	SB-40-3	SB-24-6	SB-24-6-MS	SB-24-6-MSD	SB-24-8
Remarks								Duplicate of SB-24-3				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330			UL	UL						
Anthracene	10	330			UL	UL						
Di-n-Butylphthalate	10	330			42 J	UL						
Fluoranthene	10	330			UL	UL						
Pyrene	10	330			UL	UL				S	S	
Butylbenzylphthalate	10	330			UL	UL						
3,3'-Dichlorobenzidine	20	660			UL	UL						
Benzo(a)Anthracene	10	330			UL	UL						
Chrysene	10	330			UL	UL						
bis(2-Ethylhexyl)Phthalate	10	330			380 U	380 U				9500 J	10,000 J	4000 J
Di-n-Octyl Phthalate	10	330			UL	UL						
Benzo(b)Fluoranthene	10	330			UL	UL						
Benzo(k)Fluoranthene	10	330			UL	UL						
Benzo(a)Pyrene	10	330			UL	UL						
Indeno(1,2,3-cd)Pyrene	10	330			UL	UL						
Dibenz(a,h)Anthracene	10	330			UL	UL						
Benzo(g,h,i)Perylene	10	330			UL	UL						
Diphenyl Sulfone	10	330			97 J	UL	1800 J	1500 J	870,000	S	S	250,000 J
3,4-Dichloronitrobenzene	10	330			UL	UL	UL	UL	NA	NA	NA	NA
Quantitation Limit Multiplier			2.33	2.27	1.15	1.15	2.42	4.85	267	222	222	11.5
Date Sample Received by Laboratory			07/17/90	07/17/90	07/18/90	07/18/90	07/03/90	07/03/90	07/05/90	07/05/90	07/05/90	07/05/90
Date Sample Extracted			07/20/90	07/20/90	08/09/90	08/09/90	07/06/90	07/06/90	07/09/90	07/09/90	07/09/90	07/09/90
Date of Sample Analysis			08/27/90	08/27/90	08/14/90	08/14/90	08/08/90	08/08/90	07/23/90	07/23/90	07/23/90	07/20/90
Instrument Used for Analysis			GCMS-S1	GCMS-S1	GCMSS1	GCMSS1	GCMSS6	GCMSS6	GCMSS1	GCMSS1	GCMSS1	GCMSS1

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-23-6	SB-23-9	SB-23-12	SB-23-15	SB-24-3	SB-40-3	SB-24-6	SB-24-6-MS	SB-24-6-MSD	SB-24-8
Remarks								Duplicate of SB-24-3				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
alpha-BHC	0.05	8.0			R							
beta-BHC	0.05	8.0										
delta-BHC	0.05	8.0										
Lindane	0.05	8.0			R					S	S	
Heptachlor	0.05	8.0			R					S	S	
Aldrin	0.05	8.0								S	S	
Heptachlor epoxide	0.05	8.0										
Endosulfan I	0.05	8.0										
Dieldrin	0.10	16.0			R					S	S	
4,4'-DDE	0.10	16.0										
Endrin	0.10	16.0			R		UL		R	S	S	R
Endosulfan II	0.10	16 0			R		UL					
4,4'-DDD	0.10	16.0			R							
Endosulfan sulfate	0.10	16.0			R		UL					
4,4'-DDT	0.10	16.0			R					S	S	
Methoxychlor	0.50	80			R		22,000	21,000				
Endrin ketone	0.10	16.0			R							
alpha-Chlordane	0.10	80										
gamma-Chlordane	0.10	80			R							
Toxaphene	1.0	160.0			R							

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-23-6	SB-23-9	SB-23-12	SB-23-15	SB-24-3	SB-40-3	SB-24-6	SB-24-6-MS	SB-24-6-MSD	SB-24-8
Remarks								Duplicate of SB-24-3				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Aroclor-1016	0.5	80			UL							
Aroclor-1221	0.5	80			UL							
Aroclor-1232	0.5	80			UL							
Aroclor-1242	0.5	80			UL							
Aroclor-1248	0.5	80			UL							
Aroclor-1254	1.0	160			UL							
Aroclor-1260	1.0	160			UL							
Quantitation Limit Multiplier			1.18	1.23	1.16	12.5	119	238	10.9	5.00	5 00	11.4
Date Sample Received By Laboratory			07/17/90	12/06/90	12/06/90	12/06/90	07/03/90	07/03/90	07/5/90	07/5/90	07/5/90	07/5/90
Date Sample Extracted			07/23/90	12/12/90	12/12/90	12/12/90	07/05/90	07/05/90	07/10/90	07/10/90	07/10/90	07/10/90
Date of Sample Analysis			08/15/90	01/12/91	01/12/91	01/12/91	08/08/90	08/08/90	08/14/90	08/14/90	08/14/90	08/14/90
Instrument Used for Analysis			MS-24									

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-23-6	SB-23-9	SB-23-12	SB-23-15	SB-24-3	SB-40-3	SB-24-6	SB-24-6-MS	SB-24-6-MSD	SB-24-8
Remarks								Duplicate of SB-24-3				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aq)	Reporting Limit (Sol)										
Kepone	0.132	68.0	63.5 J**				**	**	R	S	S	R
Photomirex	0.0474	20.4	1.67 J				**	**	14.4 J	S	S	
Mirex	0 00544	18 5	269 **		4.76 J	1.29 J	5380 **	6550 **	1190 J**	S	S	9 97 J
Reporting Limit Multiplier			1.16/3.47	1.12	1.12	1.15	123	237	2.23/223	2.04	2.03	2.34
Date Sample Received by Laboratory			07/17/90	07/17/90	07/18/90	07/18/90	7/3/90	7/3/90	07/05/90	07/05/90	07/05/90	07/05/90
Date Sample Extracted			07/19/90	07/19/90	07/23/90	07/23/90	7/3/90	7/3/90	07/06/90	07/06/90	07/06/90	07/06/90
Date of Sample Analysis			08/18/90 & 08/22/90	08/18/90	08/16/90	08/16/90	10/27/90	10/27/90	08/15/90 & 08/17/90	08/17/90	08/17/90	08/15/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS2	GCMSS2	GCMSS2	GCMSS2

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-24-11	SB-24-14	SB-24-15.5	SB-25-3	SB-25-6	SB-25-9	SB-25-12	SB-25-15	SB-25-104
Remarks											Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Chloromethane	10	10									
Bromomethane	10	10									
Vinyl Chloride	10	10									
Chloroethane	10	10									
Methylene Chloride	5.0	5.0	7 U	6 U	10 U	5 B	3700 B	670 U			4 J
Acetone	10	10	98 J		14 U		7700	1900 J	78	88	
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				2 J	1700 J	7 J			
1,2-Dichloroethane	5 0	5.0	4 J				6100	81	3 J		
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	56			30	39,000	58 J		8 J	
Dibromochloromethane	5.0	5.0									
1,1,2-Trichloroethane	5.0	5.0									

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-24-11	SB-24-14	SB-24-15.5	SB-25-3	SB-25-6	SB-25-9	SB-25-12	SB-25-15	SB-25-104
Remarks											Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
Benzene	5.0	5.0	45	1 J			74,000	76 J	28	13 J	
cis-1,3-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	61 J			6	11,000	130 J			
Toluene	5.0	5 0	35				1700 J				
Chlorobenzene	5 0	5.0	12				7700	10 J			
Ethylbenzene	5.0	5.0	24				2500 J				
Styrene	5.0	5.0	11				12,000				
Xylene (total)	5.0	5.0	160 J								
Quantitation Limit Multiplier			1.40	1.20	1.10	1.20	610	4.10	2.10	4.90	1.00
Date Sample Received by Laboratory			07/05/90	07/05/90	07/05/90	07/13/90	07/13/90	07/13/90	07/13/90	07/13/90	07/13/90
Date of Sample Analysis			07/14/90	07/14/90	07/15/90	07/18/90	07/23/90	07/18/90	07/18/90	07/18/90	07/20/90
Instrument Used for Analysis			MS-V1	MS-V1	MS-V1	MS-V1	MS-V2	MS-V1	MS-V1	MS-V1	MS-V1

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number RNS-	SB-24-11	SB-24-14	SB-24-15.5	SB-25-3	SB-25-6	SB-25-9	SB-25-12	SB-25-15	SB-25-104
Remarks									Field Blank
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTR									
VOLATILE COMPONENTS		-	-	-	-	-	-	-	-
Ethane,1,1,2-Trichloro-1,2,2									
Methylethylbenzene Isomer	14 J								
3-Methylpentane									
Alkene						200 J			

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-24-11	SB-24-14	SB-24-15.5	SB-25-3	SB-25-6	SB-25-9	SB-25-12	SB-25-15	SB-25-104
Remarks											Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Phenol	10	330	260 J	190 J	75 J	UL	UL	UL	230 J	R	UL
bis(2-Chloroethyl)Ether	10	330				UL	UL	UL	UL	R	UL
2-Chlorophenol	10	330				UL	UL	UL	UL	R	UL
1,3-Dichlorobenzene	10	330				UL	UL	UL	UL	R	UL
1,4-Dichlorobenzene	10	330				UL	UL	UL	UL	R	UL
Benzyl Alcohol	10	330				UL	UL	UL	UL	R	UL
1,2-Dichlorobenzene	10	330		41 J		UL	UL	UL	UL	R	UL
2-Methylphenol	10	330				UL	UL	UL	UL	R	UL
bis(2-Chloroisopropyl)Ether	10	330				UL	UL	UL	UL	R	UL
4-Methylphenol	10	330				UL	UL	UL	UL	R	UL
N-Nitroso-di-n-Propylamine	10	330				UL	UL	UL	UL	R	UL
Hexachloroethane	10	330				UL	UL	UL	UL	R	UL
Nitrobenzene	10	330				UL	UL	UL	UL	R	UL
Isophorone	10	330				UL	UL	UL	UL	R	UL
2-Nitrophenol	10	330				UL	UL	UL	UL	R	UL
2,4-Dimethylphenol	10	330				UL	UL	UL	UL	R	UL
Benzoic Acid	50	1650				UL	UL	63,000 J	17,000 J	360 J	UL
bis(2-Chloroethoxy)Methane	10	330				UL	UL	UL	UL	R	UL
2,4-Dichlorophenol	10	330				UL	UL	UL	UL	R	UL
1,2,4-Trichlorobenzene	10	330				UL	UL	UL	UL	R	UL
Naphthalene	10	330				UL	UL	UL	UL	R	UL
4-Chloroaniline	10	330				UL	UL	UL	UL	R	UL
Hexachlorobutadiene	10	330				UL	UL	UL	UL	R	UL

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-24-11	SB-24-14	SB-24-15.5	SB-25-3	SB-25-6	SB-25-9	SB-25-12	SB-25-15	SB-25-104
Remarks											Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
4-Chloro-3-Methylphenol	10	330				UL	UL	UL	UL	R	UL
2-Methylnaphthalene	10	330				UL	UL	UL	UL	R	UL
Hexachlorocyclopentadiene	10	330				UL	UL	UL	UL	R	UL
2,4,6-Trichlorophenol	10	330				UL	UL	UL	UL	R	UL
2,4,5-Trichlorophenol	50	1650				UL	UL	UL	UL	R	UL
2-Chloronaphthalene	10	330				UL	UL	UL	UL	R	UL
2-Nitroaniline	50	1650				UL	UL	UL	UL	R	UL
Dimethyl Phthalate	10	330				UL	UL	UL	UL	R	UL
Acenaphthylene	10	330				UL	UL	UL	UL	R	UL
3-Nitroaniline	50	1650				UL	UL	UL	UL	R	UL
Acenaphthene	10	330				UL	UL	UL	UL	R	UL
2,4-Dinitrophenol	50	1650				UL	UL	UL	UL	R	UL
4-Nitrophenol	50	1650				UL	UL	UL	UL	R	UL
Dibenzofuran	10	330				UL	UL	UL	UL	R	UL
2,4-Dinitrotoluene	10	330				UL	UL	UL	UL	R	UL
2,6-Dinitrotoluene	10	330				UL	UL	UL	UL	R	UL
Diethylphthalate	10	330	200 J			UL	UL	UL	UL	R	UL
4-Chlorophenyl-phenylether	10	330				UL	UL	UL	UL	R	UL
Fluorene	10	330				UL	UL	UL	UL	R	UL
4-Nitroaniline	50	1650				UL	UL	UL	UL	R	UL
4,6-Dinitro-2-Methylphenol	50	1650				UL	UL	UL	UL	R	UL
N-Nitrosodiphenylamine	10	330	230 J			UL	UL	UL	UL	R	UL
4-Bromophenyl-phenylether	10	330				UL	UL	UL	UL	R	UL
Hexachlorobenzene	10	330				UL	UL	UL	UL	R	UL
Pentachlorophenol	10	330				UL	UL	UL	UL	R	UL

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-24-11	SB-24-14	SB-24-15.5	SB-25-3	SB-25-6	SB-25-9	SB-25-12	SB-25-15	SB-25-104
Remarks											Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
Phenanthrene	10	330			52 J	UL	UL	UL	UL	R	UL
Anthracene	10	330				UL	UL	UL	UL	R	UL
Di-n-Butylphthalate	10	330				UL	UL	UL	UL	R	UL
Fluoranthene	10	330				UL	UL	UL	UL	R	UL
Pyrene	10	330				UL	UL	UL	UL	R	UL
Butylbenzylphthalate	10	330				UL	UL	UL	UL	R	UL
3,3'-Dichlorobenzidine	20	660				UL	UL	UL	UL	R	UL
Benzo(a)Anthracene	10	330				UL	UL	UL	UL	R	UL
Chrysene	10	330				UL	UL	UL	UL	R	UL
bis(2-Ethylhexyl)Phthalate	10	330	320 J	290 J	300 J	UL	UL	UL	UL	R	UL
Di-n-Octyl Phthalate	10	330				UL	UL	UL	UL	R	UL
Benzo(b)Fluoranthene	10	330				UL	UL	UL	UL	R	UL
Benzo(k)Fluoranthene	10	330				UL	UL	UL	UL	R	UL
Benzo(a)Pyrene	10	330				UL	UL	UL	UL	R	UL
Indeno(1,2,3-cd)Pyrene	10	330				UL	UL	UL	UL	R	UL
Dibenz(a,h)Anthracene	10	330				UL	UL	UL	UL	R	UL
Benzo(g,h,i)Perylene	10	330			41 J	UL	UL	UL	UL	R	UL
Diphenyl Sulfone	10	330	310 J	1000	360 J	130 J	1,200,000J	73,000 J	7600 J	670 J	UL
3,4-Dichloronitrobenzene	10	330	NA	NA	NA	UL	UL	UL	UL	R	UL
Quantitation Limit Multiplier			2.39	1.21	1.12	2.15	22.4	17.9	2.09	1.18	1.00
Date Sample Received by Laboratory			07/05/90	07/05/90	07/05/90	07/13/90	07/13/90	07/13/90	07/13/90	07/13/90	07/13/90
Date Sample Extracted			07/09/90	07/09/90	07/09/90	07/16/90	07/16/90	07/16/90	07/16/90	08/21/90	07/16/90
Date of Sample Analysis			07/23/90	07/21/90	07/21/90	08/20/90	08/20/90	08/21/90	08/20/90	08/28/90	08/20/90
Instrument Used for Analysis			GCMSS1	GCMSS1	GCMSS1	GCMSS6	GCMSS6	GCMSS6	GCMSS6	GCMSS1	GCMSS6

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-24-11	SB-24-14	SB-24-15.5	SB-25-3	SB-25-6	SB-25-9	SB-25-12	SB-25-15	SB-25-104
Remarks											Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
alpha-BHC	0.05	8.0		R	R						
beta-BHC	0.05	8.0		R	R						
delta-BHC	0.05	8.0		R	R						
Lindane	0.05	8.0		R	R						
Heptachlor	0.05	8.0		R	R						
Aldrin	0.05	8.0		R	R						
Heptachlor epoxide	0.05	8 0		R	R						
Endosulfan I	0.05	8.0		R	R						
Dieldrin	0.10	16 0		R	R						
4,4'-DDE	0.10	16.0		R	R						
Endrin	0.10	16.0		R	R						
Endosulfan II	0.10	16.0		R	R						
4,4'-DDD	0.10	16 0		R	R						
Endosulfan sulfate	0.10	16.0		R	R						
4,4'-DDT	0.10	16.0		R	R						
Methoxychlor	0.50	80		R	R	4900 J			59 B	41 B	62 J
Endrin ketone	0.10	16.0		R	R						
alpha-Chlordane	0.10	80		R	R						
gamma-Chlordane	0.10	80		R	R						
Toxaphene	1.0	160.0		R	R						

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-24-11	SB-24-14	SB-24-15.5	SB-25-3	SB-25-6	SB-25-9	SB-25-12	SB-25-15	SB-25-104
Remarks											Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Aroclor-1016	0.5	80		R	R						
Aroclor-1221	0.5	80		R	R			UL			
Aroclor-1232	0.5	80		R	R						
Aroclor-1242	0.5	80		R	R						
Aroclor-1248	0.5	80		R	R						
Aroclor-1254	1.0	160		R	R						
Aroclor-1260	1.0	160		R	R						
Quantitation Limit Multiplier			5 88	2.88	2 75	225	2500	114	11.5	1.24	10.0
Date Sample Received By Laboratory			07/5/90	07/5/90	07/5/90	11/28/90	11/28/90	11/28/90	11/29/90	11/29/90	11/28/90
Date Sample Extracted			07/10/90	07/10/90	07/10/90	11/30/90	11/30/90	11/30/90	11/30/90	11/30/90	11/28/90
Date of Sample Analysis			08/14/90	08/14/90	08/14/90	12/28/90	12/28/90	01/01/91	12/29/90	12/29/90	12/15/90
Instrument Used for Analysis											

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number RNS-			SB-24-11	SB-24-14	SB-24-15.5	SB-25-3	SB-25-6	SB-25-9	SB-25-12	SB-25-15	SB-25-104
Remarks											Field Blank
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
COMPOUNDS	Reporting Limit (Aq)	Reporting Limit (Sol)									
Kepone	0.132	68.0	R	R	R						
Photomirex	0 0474	20.4				0.728 J					
Mirex	0.00544	18.5	5.51 J		1.81 J	759*	526*	11 6 J	14.2 J	2 09 J	0.00660
Reporting Limit Multiplier			1.20	1.22	1.13	1.12/56.0	1.19/23.7	1.20	1.21	1.14	1.0
Date Sample Received by Laboratory			07/05/90	07/05/90	07/05/90	07/13/90	07/13/90	07/13/90	07/13/90	07/13/90	07/13/90
Date Sample Extracted			07/06/90	07/06/90	07/06/90	07/17/90	07/17/90	07/24/90	07/17/90	07/17/90	07/18/90
Date of Sample Analysis			08/15/90	08/16/90	08/16/90	08/16/90 & 08/17/90	08/16/90 & 08/17/90	08/16/90	08/16/90	08/16/90	08/16/90
Instrument Used for Analysis			GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-26-3	SB-42-3	SB-26-7	SB-26-10	SB-26-203	SB-27-03	SB-27-03MS	SB-27-03MSD	SB-27-07	SB-27-10
Remarks				Dup. of SB-26-3			Trip Blank				Analyzed Twice	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Chloromethane	10	10										
Bromomethane	10	10										
Vinyl Chloride	10	10										
Chloroethane	10	10										
Methylene Chloride	5.0	5.0		20 U		27 U		14 U	15 U			1900 U
Acetone	10	10			110 U			23 U	29 U		82 U	
Carbon Disulfide	5.0	5.0										
1,1-Dichloroethene	5.0	5.0							S	S		
1,1-Dichloroethane	5.0	5.0										
1,2-Dichloroethene (total)	5.0	5.0										
Chloroform	5.0	5.0									14 J	
1,2-Dichloroethane	5.0	5.0			24 J	520 J					680	730
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									26 J	
1,2-Dichloropropane	5.0	5.0										
trans-1,3-Dichloropropene	5.0	5.0										
Trichloroethene	5.0	5.0	4.0 J	6.0 J		32		35 J	S	S	520	2900
Dibromochloromethane	5.0	5.0										
1,1,2-Trichloroethane	5.0	5.0										

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-26-3	SB-42-3	SB-26-7	SB-26-10	SB-26-203	SB-27-03	SB-27-03MS	SB-27-03MSD	SB-27-07	SB-27-10
Remarks				Dup. of SB-26-3			Trip Blank				Analyzed Twice	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0			10 J	770			S	S	580	1100
cis-1,3-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	4.0 J	9.0 J		11 J		16 J	180 J	8 J	280	12,000
Toluene	5.0	5.0							S	S	10 J	110 J
Chlorobenzene	5.0	5.0							S	S	13 J	250 J
Ethylbenzene	5.0	5.0										
Styrene	5.0	5.0										
Xylene (total)	5.0	5.0							14 J			
Quantitation Limit Multiplier			2.50	2.40	5.90	5.50	1.00	2.30	2.90	2.80	4.60	64.0
Date Sample Received by Laboratory			07/16/90	07/16/90	07/16/90	07/16/90	07/16/90	07/14/90	07/14/90	07/14/90	07/14/90	07/14/90
Date of Sample Analysis			07/24/90	07/23/90	07/22/90	07/22/90	07/26/90	07/20/90	07/20/90	07/22/90	07/22/90	07/24/90
Instrument Used for Analysis			MS-V1	MS-V1	MS-V1	MS-V1	MS-V4	MS-V1	MS-V1	MS-V1	MS-V1	MS-V2
TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTRATIONS												
VOLATILE COMPONENTS			-	-	-	-	-	-	NA	NA	-	-
Benzene, (1,2-dimethoxyethyl)-												
3-Methyl-pentane												
2-Propanol												

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-26-3	SB-42-3	SB-26-7	SB-26-10	SB-26-203	SB-27-03	SB-27-03MS	SB-27-03MSD	SB-27-07	SB-27-10
Remarks				Dup. of SB-26-3			Trip Blank				Analyzed Twice	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Phenol	10	330	UL		UL	UL	NA		S	S		200 J
bis(2-Chloroethyl)Ether	10	330	UL		UL	UL	NA					
2-Chlorophenol	10	330	UL		UL	UL	NA		S	S		
1,3-Dichlorobenzene	10	330	UL		UL	UL	NA					
1,4-Dichlorobenzene	10	330	UL		UL	UL	NA					
Benzyl Alcohol	10	330	UL		UL	UL	NA					
1,2-Dichlorobenzene	10	330	UL		UL	UL	NA					
2-Methylphenol	10	330	UL		UL	UL	NA					
bis(2-Chloroisopropyl)Ether	10	330	UL		UL	UL	NA					
4-Methylphenol	10	330	UL		UL	UL	NA					
N-Nitroso-Di-n-Propylamine	10	330	UL		UL	UL	NA		S	S		
Hexachloroethane	10	330	UL		UL	UL	NA					
Nitrobenzene	10	330	UL		UL	UL	NA					
Isophorone	10	330	UL		UL	UL	NA					
2-Nitrophenol	10	330	UL		UL	UL	NA					
2,4-Dimethylphenol	10	330	UL		UL	UL	NA					
Benzoic Acid	50	1650	UL		3100 J	UL	NA					
bis(2-Chloroethoxy)Methane	10	330	UL		UL	UL	NA					
2,4-Dichlorophenol	10	330	UL		UL	UL	NA					
1,2,4-Trichlorobenzene	10	330	UL		UL	UL	NA		S	S		
Naphthalene	10	330	UL		UL	UL	NA					
4-Chloroaniline	10	330	UL		UL	UL	NA					
Hexachlorobutadiene	10	330	UL		UL	UL	NA					

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-26-3	SB-42-3	SB-26-7	SB-26-10	SB-26-203	SB-27-03	SB-27-03MS	SB-27-03MSD	SB-27-07	SB-27-10
Remarks				Dup. of SB-26-3			Trip Blank				Analyzed Twice	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330	UL		UL	UL	NA		S	S		
2-Methylnaphthalene	10	330	UL		UL	UL	NA					
Hexachlorocyclopentadiene	10	330	UL		UL	UL	NA					
2,4,6-Trichlorophenol	10	330	UL		UL	UL	NA					
2,4,5-Trichlorophenol	50	1650	UL		UL	UL	NA					
2-Chloronaphthalene	10	330	UL		UL	UL	NA					
2-Nitroaniline	50	1650	UL		UL	UL	NA					
Dimethyl Phthalate	10	330	UL		UL	UL	NA					
Acenaphthylene	10	330	UL		UL	UL	NA					
3-Nitroaniline	50	1650	UL		UL	UL	NA					
Acenaphthene	10	330	UL		UL	UL	NA		S	S		
2,4-Dinitrophenol	50	1650	UL		UL	UL	NA					
4-Nitrophenol	50	1650	UL		UL	UL	NA		S	S		
Dibenzofuran	10	330	UL		UL	UL	NA					
2,4-Dinitrotoluene	10	330	UL		UL	UL	NA		S	S		
2,6-Dinitrotoluene	10	330	UL		UL	UL	NA					
Diethylphthalate	10	330	UL		UL	UL	NA	1500 U		1500 U	1400 U	740 U
4-Chlorophenyl-phenylether	10	330	UL		UL	UL	NA					
Fluorene	10	330	UL		UL	UL	NA					
4-Nitroaniline	50	1650	UL		UL	UL	NA					
4,6-Dinitro-2-Methylphenol	50	1650	UL		UL	UL	NA					
N-Nitrosodiphenylamine	10	330	390 J		100 J	100 J	NA			230 J	200 J	93 J
4-Bromophenyl-phenylether	10	330	UL		UL	UL	NA					
Hexachlorobenzene	10	330	UL		UL	UL	NA					
Pentachlorophenol	10	330	UL		UL	UL	NA		S	S		

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-26-3	SB-42-3	SB-26-7	SB-26-10	SB-26-203	SB-27-03	SB-27-03MS	SB-27-03MSD	SB-27-07	SB-27-10
Remarks				Dup. of SB-26-3			Trip Blank				Analyzed Twice	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330	UL		UL	UL	NA					
Anthracene	10	330	UL		UL	UL	NA					
Di-n-Butylphthalate	10	330	UL		UL	UL	NA					
Fluoranthene	10	330	UL		UL	UL	NA					
Pyrene	10	330	UL		UL	UL	NA		S	S		
Butylbenzylphthalate	10	330	UL		UL	UL	NA					
3,3'-Dichlorobenzidine	20	660	UL		UL	UL	NA					
Benzo(a)Anthracene	10	330	UL		UL	UL	NA					
Chrysene	10	330	UL		UL	UL	NA					
bis(2-Ethylhexyl)Phthalate	10	330	UL		UL	UL	NA					
Di-n-Octyl Phthalate	10	330	UL		UL	UL	NA					
Benzo(b)Fluoranthene	10	330	UL		UL	UL	NA					
Benzo(k)Fluoranthene	10	330	UL		UL	UL	NA					
Benzo(a)Pyrene	10	330	UL		UL	UL	NA					
Indeno(1,2,3-cd)Pyrene	10	330	UL		UL	UL	NA					
Dibenz(a,h)Anthracene	10	330	UL		UL	UL	NA					
Benzo(g,h,i)Perylene	10	330	UL		UL	UL	NA					
Diphenyl Sulfone	10	330	960 J	430 J	1300 J	540 J	NA	210 J	S	S	12,000	
3,4-Dichloronitrobenzene	10	330	UL		UL	UL	NA		S	S		
Quantitation Limit Multiplier			9.39	9.39	2.24	2.18	NA	4.54	4.54	4.54	4.24	2.24
Date Sample Received by Laboratory			07/16/90	07/16/90	07/16/90	07/16/90	NA	07/14/90	07/14/90	07/14/90	07/14/90	07/14/90
Date Sample Extracted			07/17/90	07/17/90	07/17/90	07/17/90	NA	07/17/90	07/17/90	07/17/90	07/17/90	07/17/90
Date of Sample Analysis			08/30/90	08/16/90	08/30/90	08/30/90	NA	08/21/90	08/23/90	08/23/90	08/23/90	08/23/90
Instrument Used for Analysis			GCMSS1	GCMSS6	GCMSS1	GCMSS1	NA	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-26-3	SB-42-3	SB-26-7	SB-26-10	SB-26-203	SB-27-03	SB-27-03MS	SB-27-03MSD	SB-27-07	SB-27-10
Remarks				Dup. of SB-26-3			Trip Blank				Analyzed Twice	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
alpha-BHC	0.05	8.0					NA	NR				
beta-BHC	0.05	8.0					NA	NR				
delta-BHC	0.05	8.0					NA	NR				
Lindane	0.05	8.0					NA	NR	S	S		
Heptachlor	0.05	8.0					NA	NR	S	S		
Aldrin	0.05	8.0					NA	NR	S	S		
Heptachlor epoxide	0.05	8.0					NA	NR				
Endosulfan I	0.05	8.0					NA	NR				
Dieldrin	0.10	16.0					NA	NR	S	S		
4,4'-DDE	0.10	16.0					NA	NR				
Endrin	0.10	16.0					NA	NR	S	S		
Endosulfan II	0.10	16.0					NA	NR				
4,4'-DDD	0.10	16.0					NA	NR				
Endosulfan sulfate	0.10	16.0					NA	NR				
4,4'-DDT	0.10	16.0					NA	NR	S	S		
Methoxychlor	0.50	80					NA	NR	510 J	620 J	61 B	
Endrin ketone	0.10	16.0					NA	NR				
alpha-Chlordane	0.10	80					NA	NR				
gamma-Chlordane	0.10	80					NA	NR				
Toxaphene	1.0	160.0					NA	NR				

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-26-3	SB-42-3	SB-26-7	SB-26-10	SB-26-203	SB-27-03	SB-27-03MS	SB-27-03MSD	SB-27-07	SB-27-10
Remarks				Dup. of SB-26-3			Trip Blank				Analyzed Twice	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Aroclor-1016	0.5	80					NA	NR				
Aroclor-1221	0.5	80					NA	NR				
Aroclor-1232	0.5	80					NA	NR				
Aroclor-1242	0.5	80					NA	NR				
Aroclor-1248	0.5	80					NA	NR				
Aroclor-1254	1.0	160					NA	NR				
Aroclor-1260	1.0	160					NA	NR				
Quantitation Limit Multiplier			1.15	1.09	11.8	11.5	NA	NR	22.5	22.5	11.9	11.9
Date Sample Received By Laboratory			07/16/90	07/16/90	07/16/90	07/16/90	NA	NR	11/29/90	11/29/90	11/29/90	11/29/90
Date Sample Extracted			07/18/90	07/18/90	07/18/90	07/18/90	NA	NR	11/30/90	11/30/90	11/30/90	11/30/90
Date of Sample Analysis			08/08/90	08/08/90	08/08/90	08/08/90	NA	NR	12/29/90	01/01/91	01/01/91	01/01/91

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-26-3	SB-42-3	SB-26-7	SB-26-10	SB-26-203	SB-27-03	SB-27-03MS	SB-27-03MSD	SB-27-07	SB-27-10
Remarks				Dup. of SB-26-3			Trip Blank				Analyzed Twice	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aq)	Reporting Limit (Sol)										
Kepone	0.132	68.0	*	135 J			NA		S	S		
Photomirex	0.0474	20.4	*				NA	3.38 J	S	S		
Mirex	0.00544	18.5	4150 J**	1250 J**	1.48 J	1.20 J	NA	2120**	S	S	7.64 J	1.06 J
Reporting Limit Multiplier			2.41/121	2.34/70.2	1.18	1.17	NA	2.40/240	2.93/293	3.09/309	1.05/1.05	1.14
Date Sample Received by Laboratory			07/16/90	07/16/90	07/16/90	07/16/90	NA	07/14/90	07/14/90	07/14/90	07/14/90	07/14/90
Date Sample Extracted			07/19/90	07/19/90	07/19/90	07/19/90	NA	07/17/90	07/17/90	07/17/90	07/17/90	07/17/90
Date of Sample Analysis			08/17/90 & 08/18/90	08/17/90 & 08/18/90	08/17/90	08/17/90	NA	08/10/90 & 08/15/90	08/16/90 & 08/17/90	08/16/90 & 08/17/90	08/15/90 & 09/06/90	08/16/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	GCMSS3	NA	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-27-13	SB-28-1	SB-41-1	SB-28-4	SB-28-7	SB-28-10	SB-28-13	SB-29-3	SB-29-6	SB-29-9
Remarks					Dup. of SB-28-1	Analyzed Twice						
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Chloromethane	10	10										
Bromomethane	10	10										
Vinyl Chloride	10	10										
Chloroethane	10	10										
Methylene Chloride	5.0	5.0	26 U	10 U		290 U/90 U	110 U	6 U	5 U	16 U	350 U	360 U
Acetone	10	10	11 U						11 U	12 U	3700 J	8500
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	10									
Chloroform	5.0	5.0						3 J				
1,2-Dichloroethane	5.0	5.0	3 J			-/30 J	89	180				
2-Butanone	10	10								16 U	870 U	590 U
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				-/4 J		1 J			21 J	
1,2-Dichloropropane	5.0	5.0	2 J									
trans-1,3-Dichloropropene	5.0	5.0										
Trichloroethene	5.0	5.0	16	2 J	3 J	-/36 J		91			53 J	
Dibromochloromethane	5.0	5.0										
1,1,2-Trichloroethane	5.0	5.0										

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-27-13	SB-28-1	SB-41-1	SB-28-4	SB-28-7	SB-28-10	SB-28-13	SB-29-3	SB-29-6	SB-29-9
Remarks					Dup. of SB-28-1	Analyzed Twice						
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0	3 J			-/26 J	70	160			88 J	270 J
cis-1,3-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	15	4 J	6 J	310 J/66 J					310 U	430 U
Toluene	5.0	5.0	2 J								35 J	
Chlorobenzene	5.0	5.0										
Ethylbenzene	5.0	5.0										
Styrene	5.0	5.0										
Xylene (total)	5.0	5.0										
Quantitation Limit Multiplier			1.10	2.00	2.00	59.0/4.10	5.00	1.10	1.10	1.20	33.0	59.0
Date Sample Received by Laboratory			07/14/90	07/14/90	07/14/90	07/14/90	07/14/90	07/14/90	07/14/90	07/02/90	07/02/90	07/02/90
Date of Sample Analysis			07/23/90	07/19/90	07/19/90	07/24 & 07/25	07/24/90	07/19/90	07/21/90	07/05/90	07/11/90	07/10/90
Instrument Used for Analysis			MS-V1	MS-V1	MS-V1	MSV1 & MSV2	MS-V1	MS-V1	MS-V1	MS-V1	MS-V2	MS-V1
TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTR												
VOLATILE COMPONENTS			-	-	-		-	-	-	-	-	-
Benzene, (1,2-dimethoxyethyl)-						3100 J/ -						
3-Methyl-pentane												
2-Propanol												

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-27-13	SB-28-1	SB-41-1	SB-28-4	SB-28-7	SB-28-10	SB-28-13	SB-29-3	SB-29-6	SB-29-9
Remarks					Dup. of SB-28-1	Analyzed Twice						
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Phenol	10	330	97 J				150 J	100 J	85 J			
bis(2-Chloroethyl)Ether	10	330										
2-Chlorophenol	10	330										
1,3-Dichlorobenzene	10	330										
1,4-Dichlorobenzene	10	330										
Benzyl Alcohol	10	330										
1,2-Dichlorobenzene	10	330										1700
2-Methylphenol	10	330										
bis(2-Chloroisopropyl)Ether	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										
Benzoic Acid	50	1650										950 J
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										

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-27-13	SB-28-1	SB-41-1	SB-28-4	SB-28-7	SB-28-10	SB-28-13	SB-29-3	SB-29-6	SB-29-9
Remarks					Dup. of SB-28-1	Analyzed Twice						
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330										
2-Methylnaphthalene	10	330										
Hexachlorocyclopentadiene	10	330										
2,4,6-Trichlorophenol	10	330										
2,4,5-Trichlorophenol	50	1650										
2-Chloronaphthalene	10	330										
2-Nitroaniline	50	1650										
Dimethyl Phthalate	10	330										
Acenaphthylene	10	330										
3-Nitroaniline	50	1650										
Acenaphthene	10	330										
2,4-Dinitrophenol	50	1650										
4-Nitrophenol	50	1650										
Dibenzofuran	10	330										
2,4-Dinitrotoluene	10	330										
2,6-Dinitrotoluene	10	330										
Diethylphthalate	10	330	720 U	1400 U	1400 U	760 U		750 U	710 U			
4-Chlorophenyl-phenylether	10	330										
Fluorene	10	330										
4-Nitroaniline	50	1650										
4,6-Dinitro-2-Methylphenol	50	1650										
N-Nitrosodiphenylamine	10	330	78 J					110 J	78 J			
4-Bromophenyl-phenylether	10	330										
Hexachlorobenzene	10	330										
Pentachlorophenol	10	330										

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-27-13	SB-28-1	SB-41-1	SB-28-4	SB-28-7	SB-28-10	SB-28-13	SB-29-3	SB-29-6	SB-29-9
Remarks					Dup. of SB-28-1	Analyzed Twice						
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330										
Anthracene	10	330										
Di-n-Butylphthalate	10	330										
Fluoranthene	10	330										
Pyrene	10	330										
Butylbenzylphthalate	10	330										
3,3'-Dichlorobenzidine	20	660										
Benzo(a)Anthracene	10	330										
Chrysene	10	330										
bis(2-Ethylhexyl)Phthalate	10	330								170 B	100 B	
Di-n-Octyl Phthalate	10	330										
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										
Diphenyl Sulfone	10	330			190 J	98 J				98 J	1700	27,000
3,4-Dichloronitrobenzene	10	330								NA	NA	NA
Quantitation Limit Multiplier			2.18	4.24	4.24	2.30	2.21	2.27	2.15	1.15	2.64	2.36
Date Sample Received by Laboratory			07/14/90	07/14/90	07/14/90	07/14/90	07/14/90	07/14/90	07/14/90	07/02/90	07/02/90	07/02/90
Date Sample Extracted			07/17/90	07/17/90	07/17/90	07/17/90	07/17/90	07/17/90	07/17/90	07/03/90	07/03/90	07/03/90
Date of Sample Analysis			08/23/90	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90	07/18/90	07/30/90	07/17/90
Instrument Used for Analysis			GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS6	GCMSS6	GCMSS6

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-27-13	SB-28-1	SB-41-1	SB-28-4	SB-28-7	SB-28-10	SB-28-13	SB-29-3	SB-29-6	SB-29-9
Remarks					Dup. of SB-28-1	Analyzed Twice						
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
alpha-BHC	0.05	8.0	NR									
beta-BHC	0.05	8.0	NR									
delta-BHC	0.05	8.0	NR							R	R	R
Lindane	0.05	8.0	NR									
Heptachlor	0.05	8.0	NR									
Aldrin	0.05	8.0	NR									
Heptachlor epoxide	0.05	8.0	NR									
Endosulfan I	0.05	8.0	NR							R	R	R
Dieldrin	0.10	16.0	NR									
4,4'-DDE	0.10	16.0	NR									
Endrin	0.10	16.0	NR									
Endosulfan II	0.10	16.0	NR									
4,4'-DDD	0.10	16.0	NR									
Endosulfan sulfate	0.10	16.0	NR									
4,4'-DDT	0.10	16.0	NR		96 J							
Methoxychlor	0.50	80	NR	400 J	870 J				36 J			
Endrin ketone	0.10	16.0	NR									
alpha-Chlordane	0.10	80	NR									
gamma-Chlordane	0.10	80	NR									
Toxaphene	1.0	160.0	NR									

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-27-13	SB-28-1	SB-41-1	SB-28-4	SB-28-7	SB-28-10	SB-28-13	SB-29-3	SB-29-6	SB-29-9
Remarks					Dup. of SB-28-1	Analyzed Twice						
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Aroclor-1016	0.5	80	NR									
Aroclor-1221	0.5	80	NR									
Aroclor-1232	0.5	80	NR									
Aroclor-1242	0.5	80	NR									
Aroclor-1248	0.5	80	NR									
Aroclor-1254	1.0	160	NR									
Aroclor-1260	1.0	160	NR									
Quantitation Limit Multiplier			NR	2.12	2.38	1.24	1.15	1.18	1.12	6.12	33.8	61.2
Date Sample Received By Laboratory			NR	11/30/90	11/30/90	11/30/90	11/30/90	11/30/90	11/30/90	07/02/90	07/02/90	07/02/90
Date Sample Extracted			NR	12/03/90	12/03/90	12/03/90	12/03/90	12/03/90	12/03/90	07/03/90	07/03/90	07/03/90
Date of Sample Analysis			NR	01/05/91	01/05/91	01/05/91	01/05/91	01/05/91	01/05/91	08/10/90	08/10/90	08/10/90

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-27-13	SB-28-1	SB-41-1	SB-28-4	SB-28-7	SB-28-10	SB-28-13	SB-29-3	SB-29-6	SB-29-9
Remarks					Dup. of SB-28-1	Analyzed Twice						
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aq)	Reporting Limit (Sol)										
Kepone	0.132	68.0		*	*							
Photomirex	0.0474	20.4		26.0 J	33.4 J	0.874 J				*	2.36 J	
Mirex	0.00544	18.5	1.33 J	4050 J**	2710 J**	104	11.1 J	4.97 J	4.41 J	417 J**	348 J**	204 U
Reporting Limit Multiplier			1.08	2.10/210	2.07/207	1.14	1.11	1.11	1.09	1.12/3.35	1.22/2.44	2.35
Date Sample Received by Laboratory			07/14/90	07/14/90	07/14/90	07/14/90	07/14/90	07/14/90	07/14/90	7/2/90	7/2/90	7/2/90
Date Sample Extracted			07/17/90	07/17/90	07/17/90	07/17/90	07/17/90	07/17/90	07/17/90	07/02/90	07/02/90	07/02/90
Date of Sample Analysis			08/16/90	08/15/90 & 08/16/90	08/15/90 & 08/16/90	08/15/90	08/15/90	08/15/90	08/15/90	10/24/90 & 10/27/90	10/24/90 & 10/27/90	10/24/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-29-12	SB-29-15	SB-29-18	SB-30-103	SB-30-201	SB-30-3	SB-30-6	SB-30-9	SB-30-12	SB-39-12
Remarks						Field Blank	Trip Blank					Duplicate of SB-30-12
Units			ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Chloromethane	10	10										
Bromomethane	10	10										
Vinyl Chloride	10	10										
Chloroethane	10	10										
Methylene Chloride	5.0	5.0	27 U	6.0 U	6.0 U	4.0 J	50	11 U	270 U	260 U	460 U	400 U
Acetone	10	10	320 U		11 U				1900	7500	6000 J	5000 J
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	74 U	12 U	14 U			11 U	420 U	520 U	980 U	
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										210
1,2-Dichloropropane	5.0	5.0					4.0 J					
trans-1,3-Dichloropropene	5.0	5.0										
Trichloroethene	5.0	5.0						2.0 J				60 J
Dibromochloromethane	5.0	5.0										
1,1,2-Trichloroethane	5.0	5.0										

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-29-12	SB-29-15	SB-29-18	SB-30-103	SB-30-201	SB-30-3	SB-30-6	SB-30-9	SB-30-12	SB-39-12
Remarks						Field Blank	Trip Blank					Duplicate of SB-30-12
Units			ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0	73					2.0 J	200	1800		66 J
cis-1,3-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						5.0 U		260 U		1800 J
Toluene	5.0	5.0								72 J		
Chlorobenzene	5.0	5.0								130 J		67 J
Ethylbenzene	5.0	5.0										
Styrene	5.0	5.0										
Xylene (total)	5.0	5.0										
Quantitation Limit Multiplier			5.40	1.20	1.10	1.00	1.00	1.10	39.0	52.0	62.0	31.0
Date Sample Received by Laboratory			07/02/90	07/02/90	07/02/90	07/02/90	07/02/90	07/02/90	07/02/90	07/02/90	07/03/90	07/03/90
Date of Sample Analysis			07/11/90	07/06/90	07/12/90	07/10/90	07/10/90	07/05/90	07/10/90	07/10/90	07/12/90	07/13/90
Instrument Used for Analysis			MS-V1	MS-V1	MS-V1	MS-V4	MS-V4	MS-V1	MS-V1	MS-V1	MS-V2	MS-V2
TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTR												
VOLATILE COMPONENTS			-	-	-	-	-					-
Benzene, (1,2-dimethoxyethyl)-												
3-Methyl-pentane											1700 J	
2-Propanol										4700 J		

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-29-12	SB-29-15	SB-29-18	SB-30-103	SB-30-201	SB-30-3	SB-30-6	SB-30-9	SB-30-12	SB-39-12
Remarks						Field Blank	Trip Blank					Duplicate of SB-30-12
Units			ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Phenol	10	330				UL	NA				230 J	
bis(2-Chloroethyl)Ether	10	330				UL	NA					
2-Chlorophenol	10	330				UL	NA					
1,3-Dichlorobenzene	10	330				UL	NA					
1,4-Dichlorobenzene	10	330				UL	NA					120 J
Benzyl Alcohol	10	330				UL	NA					
1,2-Dichlorobenzene	10	330			95 R	UL	NA		170 J		7400 J	16,000 J
2-Methylphenol	10	330				UL	NA					
bis(2-Chloroisopropyl)Ether	10	330				UL	NA					
4-Methylphenol	10	330				UL	NA					
N-Nitroso-Di-n-Propylamine	10	330				UL	NA					
Hexachloroethane	10	330				UL	NA					
Nitrobenzene	10	330				UL	NA					
Isophorone	10	330				UL	NA					
2-Nitrophenol	10	330				UL	NA					
2,4-Dimethylphenol	10	330				UL	NA					
Benzoic Acid	50	1650				UL	NA					
bis(2-Chloroethoxy)Methane	10	330				UL	NA					
2,4-Dichlorophenol	10	330				UL	NA					
1,2,4-Trichlorobenzene	10	330				UL	NA					
Naphthalene	10	330				UL	NA					
4-Chloroaniline	10	330				UL	NA					
Hexachlorobutadiene	10	330				UL	NA					

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-29-12	SB-29-15	SB-29-18	SB-30-103	SB-30-201	SB-30-3	SB-30-6	SB-30-9	SB-30-12	SB-39-12
Remarks						Field Blank	Trip Blank					Duplicate of SB-30-12
Units			ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330				UL	NA					
2-Methylnaphthalene	10	330				UL	NA					
Hexachlorocyclopentadiene	10	330				UL	NA					
2,4,6-Trichlorophenol	10	330				UL	NA					
2,4,5-Trichlorophenol	50	1650				UL	NA					
2-Chloronaphthalene	10	330				UL	NA					
2-Nitroaniline	50	1650				UL	NA					
Dimethyl Phthalate	10	330				UL	NA					
Acenaphthylene	10	330				UL	NA					
3-Nitroaniline	50	1650				UL	NA					
Acenaphthene	10	330				UL	NA					
2,4-Dinitrophenol	50	1650				UL	NA					
4-Nitrophenol	50	1650				UL	NA					
Dibenzofuran	10	330				UL	NA					
2,4-Dinitrotoluene	10	330				UL	NA					
2,6-Dinitrotoluene	10	330				UL	NA					
Diethylphthalate	10	330				UL	NA					
4-Chlorophenyl-phenylether	10	330				UL	NA					
Fluorene	10	330				UL	NA					
4-Nitroaniline	50	1650				UL	NA					
4,6-Dinitro-2-Methylphenol	50	1650				UL	NA					
N-Nitrosodiphenylamine	10	330				UL	NA					
4-Bromophenyl-phenylether	10	330				UL	NA					
Hexachlorobenzene	10	330				UL	NA					
Pentachlorophenol	10	330				UL	NA					

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-29-12	SB-29-15	SB-29-18	SB-30-103	SB-30-201	SB-30-3	SB-30-6	SB-30-9	SB-30-12	SB-39-12
Remarks						Field Blank	Trip Blank					Duplicate of SB-30-12
Units			ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330				UL	NA					
Anthracene	10	330				UL	NA					
Di-n-Butylphthalate	10	330				UL	NA					
Fluoranthene	10	330				UL	NA					
Pyrene	10	330				UL	NA					
Butylbenzylphthalate	10	330				UL	NA					
3,3'-Dichlorobenzidine	20	660				UL	NA					
Benzo(a)Anthracene	10	330				UL	NA					
Chrysene	10	330				UL	NA					
bis(2-Ethylhexyl)Phthalate	10	330	220 B	1100 B	1000 B	3 J	NA	130 B	110 B		140 J	110 J
Di-n-Octyl Phthalate	10	330				UL	NA					
Benzo(b)Fluoranthene	10	330				UL	NA					
Benzo(k)Fluoranthene	10	330				UL	NA					
Benzo(a)Pyrene	10	330				UL	NA					
Indeno(1,2,3-cd)Pyrene	10	330				UL	NA					
Dibenz(a,h)Anthracene	10	330				UL	NA					
Benzo(g,h,i)Perylene	10	330				UL	NA					
Diphenyl Sulfone	10	330			190 J	UL	NA	49 J	3100	18,000	12,000 J	28,000 J
3,4-Dichloronitrobenzene	10	330	NA	NA	NA	NA	NA	NA	NA	NA		
Quantitation Limit Multiplier			1.15	2.70	2.30	1.00	NA	1.18	1.52	8.79	2.45	2.45
Date Sample Received by Laboratory			07/02/90	07/02/90	07/02/90	07/02/90	NA	07/02/90	07/02/90	07/02/90	07/03/90	07/03/90
Date Sample Extracted			07/03/90	07/03/90	07/03/90	07/10/90	NA	07/03/90	07/03/90	07/03/90	07/06/90	07/06/90
Date of Sample Analysis			07/18/90	07/30/90	07/30/90	07/17/90	NA	07/18/90	07/17/90	07/17/90	08/07/90	08/07/90
Instrument Used for Analysis			GCMSS6	GCMSS6	GCMSS6	GCMSS6	NA	GCMSS6	GCMSS6	GCMSS6	GCMSS6	GCMSS6

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-29-12	SB-29-15	SB-29-18	SB-30-103	SB-30-201	SB-30-3	SB-30-6	SB-30-9	SB-30-12	SB-39-12
Remarks						Field Blank	Trip Blank					Duplicate of SB-30-12
Units			ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
alpha-BHC	0.05	8.0					NA		R	R		
beta-BHC	0.05	8.0					NA		R	R		
delta-BHC	0.05	8.0	R	R	R	R	NA	R	R	R		
Lindane	0.05	8.0					NA					
Heptachlor	0.05	8.0					NA					
Aldrin	0.05	8.0					NA		R	R		
Heptachlor epoxide	0.05	8.0					NA					
Endosulfan I	0.05	8.0	R	R	R	R	NA	R	R	R		
Dieldrin	0.10	16.0					NA					
4,4'-DDE	0.10	16.0					NA		R	R		
Endrin	0.10	16.0					NA		R	R		
Endosulfan II	0.10	16.0					NA					
4,4'-DDD	0.10	16.0					NA		R	R		
Endosulfan sulfate	0.10	16.0					NA		R	R		
4,4'-DDT	0.10	16.0					NA					
Methoxychlor	0.50	80					NA		R	R		
Endrin ketone	0.10	16.0					NA					
alpha-Chlordane	0.10	80					NA		R	R		
gamma-Chlordane	0.10	80					NA		R	R		
Toxaphene	1.0	160.0					NA					

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-29-12	SB-29-15	SB-29-18	SB-30-103	SB-30-201	SB-30-3	SB-30-6	SB-30-9	SB-30-12	SB-39-12
Remarks						Field Blank	Trip Blank					Duplicate of SB-30-12
Units			ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Aroclor-1016	0.5	80					NA					
Aroclor-1221	0.5	80					NA					
Aroclor-1232	0.5	80					NA					
Aroclor-1242	0.5	80					NA					
Aroclor-1248	0.5	80					NA					
Aroclor-1254	1.0	160					NA					
Aroclor-1260	1.0	160					NA					
Quantitation Limit Multiplier			2.88	3.00	5.62	1.00	NA	1.19	7.50	5.38	1.21	3.00
Date Sample Received By Laboratory			07/02/90	07/02/90	07/02/90	07/02/90	NA	07/02/90	07/02/90	07/02/90	07/03/90	07/30/90
Date Sample Extracted			07/03/90	07/03/90	07/03/90	07/02/90	NA	07/03/90	07/03/90	07/03/90	07/05/90	07/05/90
Date of Sample Analysis			08/10/90	08/10/90	08/10/90	08/10/90	NA	08/10/90	08/10/90	08/10/90	08/07/90	08/08/90

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number	RNS-	SB-29-12	SB-29-15	SB-29-18	SB-30-103	SB-30-201	SB-30-3	SB-30-6	SB-30-9	SB-30-12	SB-39-12
Remarks					Field Blank	Trip Blank					Duplicate of SB-30-12
Units		ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aq) / Reporting Limit (Sol)										
Kepone	0.132 / 68.0					NA					
Photomirex	0.0474 / 20.4					NA					
Mirex	0.00544 / 18.5	25.7 U	20.9 U	20.7 U	0.0218	NA	131 U	251 U	149 U	33.6 J	12.7 J
Reporting Limit Multiplier		1.10	1.10	1.12	2.00	NA	1.09	1.47	1.04	1.22	1.23
Date Sample Received by Laboratory		7/2/90	7/2/90	7/2/90	7/2/90	NA	7/2/90	7/2/90	7/2/90	7/3/90	7/3/90
Date Sample Extracted		07/02/90	07/02/90	07/02/90	07/02/90	NA	07/02/90	07/02/90	07/02/90	7/3/90	7/3/90
Date of Sample Analysis		10/24/90	10/24/90	10/24/90	10/24/90	NA	10/24/90	10/24/90	10/24/90	10/25/90	10/27/90
Instrument Used for Analysis		GCMSS3	GCMSS3	GCMSS3	GCMSS3	NA	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number	RNS-		SB-30-15	SB-30-19	SB-30-19-MS	SB-30-19MSD
Remarks						
Units			ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)				
Chloromethane	10	10				
Bromomethane	10	10				
Vinyl Chloride	10	10				
Chloroethane	10	10				
Methylene Chloride	5.0	5.0	260 U	6700 U	6200 U	6200 U
Acetone	10	10	3400 J	98,000 J		63,000 J
Carbon Disulfide	5.0	5.0				
1,1-Dichloroethene	5.0	5.0			S	S
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	360 U			
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	140 J			
1,2-Dichloropropane	5.0	5.0				
trans-1,3-Dichloropropene	5.0	5.0				
Trichloroethene	5.0	5.0	260 J		S	S
Dibromochloromethane	5.0	5.0				
1,1,2-Trichloroethane	5.0	5.0				

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-30-15	SB-30-19	SB-30-19-MS	SB-30-19MSD
Remarks						
Units			ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0	260 J		S	S
cis-1,3-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	1900			
Toluene	5.0	5.0	37 J		S	S
Chlorobenzene	5.0	5.0			S	S
Ethylbenzene	5.0	5.0				
Styrene	5.0	5.0				
Xylene (total)	5.0	5.0				
Quantitation Limit Multiplier			31.0	1400	1300	1300
Date Sample Received by Laboratory			07/03/90	07/03/90	07/03/90	07/03/90
Date of Sample Analysis			07/14/90	07/13/90	07/14/90	07/14/90
Instrument Used for Analysis			MS-V2	MS-V2	MS-V2	MS-V2
TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTR						
VOLATILE COMPONENTS			-	-	-	-
Benzene, (1,2-dimethoxyethyl)-						
3-Methyl-pentane						
2-Propanol						

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-30-15	SB-30-19	SB-30-19-MS	SB-30-19MSD
Remarks						
Units			ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)				
Phenol	10	330	200 J	210 J	S	S
bis(2-Chloroethyl)Ether	10	330	UL	UL		
2-Chlorophenol	10	330	UL	UL	S	S
1,3-Dichlorobenzene	10	330	UL	UL		
1,4-Dichlorobenzene	10	330	UL	UL		
Benzyl Alcohol	10	330	UL	UL		
1,2-Dichlorobenzene	10	330	UL	UL	49 J	54 J
2-Methylphenol	10	330	UL	UL		
bis(2-Chloroisopropyl)Ether	10	330	UL	UL		
4-Methylphenol	10	330	UL	UL		
N-Nitroso-Di-n-Propylamine	10	330	UL	UL	S	S
Hexachloroethane	10	330	UL	UL		
Nitrobenzene	10	330	UL	UL		
Isophorone	10	330	UL	UL		
2-Nitrophenol	10	330	UL	UL		
2,4-Dimethylphenol	10	330	UL	UL		
Benzoic Acid	50	1650	7000	21,000 J	7200 J	6700 J
bis(2-Chloroethoxy)Methane	10	330	UL	UL		
2,4-Dichlorophenol	10	330	UL	UL		
1,2,4-Trichlorobenzene	10	330	UL	UL	S	S
Naphthalene	10	330	UL	UL		
4-Chloroaniline	10	330	UL	UL		
Hexachlorobutadiene	10	330	UL	UL		

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-30-15	SB-30-19	SB-30-19-MS	SB-30-19MSD
Remarks						
Units			ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330	UL	UL	S	S
2-Methylnaphthalene	10	330	UL	54 J		
Hexachlorocyclopentadiene	10	330	UL	UL		
2,4,6-Trichlorophenol	10	330	UL	UL		
2,4,5-Trichlorophenol	50	1650	UL	UL		
2-Chloronaphthalene	10	330	UL	UL		
2-Nitroaniline	50	1650	UL	UL		
Dimethyl Phthalate	10	330	UL	UL		
Acenaphthylene	10	330	UL	UL		
3-Nitroaniline	50	1650	UL	UL		
Acenaphthene	10	330	UL	UL	S	S
2,4-Dinitrophenol	50	1650	UL	UL		
4-Nitrophenol	50	1650	UL	UL	S	S
Dibenzofuran	10	330	UL	UL		
2,4-Dinitrotoluene	10	330	UL	UL	S	S
2,6-Dinitrotoluene	10	330	UL	UL		
Diethylphthalate	10	330	1200 U	450 U		
4-Chlorophenyl-phenylether	10	330	UL	UL		
Fluorene	10	330	UL	UL		
4-Nitroaniline	50	1650	UL	UL		
4,6-Dinitro-2-Methylphenol	50	1650	UL	UL		
N-Nitrosodiphenylamine	10	330	1200 U	450 U		
4-Bromophenyl-phenylether	10	330	UL	UL		
Hexachlorobenzene	10	330	UL	UL		
Pentachlorophenol	10	330	UL	UL	S	S

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-30-15	SB-30-19	SB-30-19-MS	SB-30-19MSD
Remarks						
Units			ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330	UL	90 J	56 J	50 J
Anthracene	10	330	UL	UL		
Di-n-Butylphthalate	10	330	UL	UL		
Fluoranthene	10	330	UL	UL		
Pyrene	10	330	UL	UL	S	S
Butylbenzylphthalate	10	330	UL	UL		
3,3'-Dichlorobenzidine	20	660	UL	UL		
Benzo(a)Anthracene	10	330	UL	UL		
Chrysene	10	330	UL	UL		
bis(2-Ethylhexyl)Phthalate	10	330	280 J	320 J	310 J	220 J
Di-n-Octyl Phthalate	10	330	UL	UL		
Benzo(b)Fluoranthene	10	330	UL	UL		
Benzo(k)Fluoranthene	10	330	UL	UL		
Benzo(a)Pyrene	10	330	UL	UL		
Indeno(1,2,3-cd)Pyrene	10	330	UL	UL		
Dibenz(a,h)Anthracene	10	330	UL	UL		
Benzo(g,h,i)Perylene	10	330	UL	80 J		
Diphenyl Sulfone	10	330	UL	UL	S	S
3,4-Dichloronitrobenzene	10	330	UL	UL	S	S
Quantitation Limit Multiplier			3.64	1.36	1.36	1.36
Date Sample Received by Laboratory			07/03/90	07/03/90	07/03/90	07/03/90
Date Sample Extracted			07/06/90	07/06/90	07/06/90	07/06/90
Date of Sample Analysis			08/30/90	08/30/90	08/07/90	08/07/90
Instrument Used for Analysis			GCMSS1	GCMSS1	GCMSS6	GCMSS6

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-30-15	SB-30-19	SB-30-19-MS	SB-30-19MSD
Remarks						
Units			ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)				
alpha-BHC	0.05	8.0		R	R	R
beta-BHC	0.05	8.0		R	R	R
delta-BHC	0.05	8.0		R	R	R
Lindane	0.05	8.0		R	S	S
Heptachlor	0.05	8.0		R	S	S
Aldrin	0.05	8.0		R	S	S
Heptachlor epoxide	0.05	8.0		R	R	R
Endosulfan I	0.05	8.0		R	R	R
Dieldrin	0.10	16.0		R	S	S
4,4'-DDE	0.10	16.0		R	R	R
Endrin	0.10	16.0		R	S	S
Endosulfan II	0.10	16.0		R	R	R
4,4'-DDD	0.10	16.0		R	R	R
Endosulfan sulfate	0.10	16.0		R	R	R
4,4'-DDT	0.10	16.0		R	S	S
Methoxychlor	0.50	80		R	R	R
Endrin ketone	0.10	16.0		R	R	R
alpha-Chlordane	0.10	80		R	R	R
gamma-Chlordane	0.10	80		R	R	R
Toxaphene	1.0	160.0		R	R	R

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-30-15	SB-30-19	SB-30-19-MS	SB-30-19MSD
Remarks						
Units			ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)				
Aroclor-1016	0.5	80		R	R	R
Aroclor-1221	0.5	80		R	R	R
Aroclor-1232	0.5	80		R	R	R
Aroclor-1242	0.5	80		R	R	R
Aroclor-1248	0.5	80		R	R	R
Aroclor-1254	1.0	160		R	R	R
Aroclor-1260	1.0	160		R	R	R
Quantitation Limit Multiplier			3.00	3.25	3.13	2.50
Date Sample Received By Laboratory			07/03/90	07/30/90	07/03/90	07/03/90
Date Sample Extracted			07/05/90	07/05/90	07/05/90	07/05/90
Date of Sample Analysis			08/07/90	08/10/90	08/10/90	08/10/90

ON-SITE POND BORING SAMPLES

ERM-Midwest Sample Number		RNS-	SB-30-15	SB-30-19	SB-30-19-MS	SB-30-19MSD
Remarks						
Units			ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Reporting Limit (Aq)	Reporting Limit (Sol)				
Kepone	0.132	68.0		R	S	S
Photomirex	0.0474	20.4		R	S	S
Mirex	0.00544	18.5	5.09 J		S	S
Reporting Limit Multiplier			1.18	1.36	1.36	1.36
Date Sample Received by Laboratory			7/3/90	7/3/90	7/3/90	7/3/90
Date Sample Extracted			7/3/90	7/3/90	7/3/90	7/3/90
Date of Sample Analysis			10/25/90	10/27/90	10/27/90	10/27/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	GCMSS3

ON-SITE POND BORINGS

SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Legend:

-	Compound was not detected.
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.
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.

ON-SITE POND BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concentrations

ERM-Midwest Sample Number RNS-	SB-17-04	SB-17-7	SB-17-10	SB-17-13	SB-17-14.5	SB-17-202	SB-18-3	SB-18-3MS	SB-18-3MSD	SB-18-6
Remarks						Trip Blank				
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/Kg
SEMIVOLATILE COMPONENTS				-	-	NA		NA	NA	-
OCTADECANOIC ACID ISOMER						NA		NA	NA	
9-Hexadecenoic Acid						NA		NA	NA	
Hexadecanoic Acid						NA		NA	NA	
Sitosterol Isomer						NA		NA	NA	
Eicosene Isomer						NA		NA	NA	
1-Methyl Naphthalene						NA		NA	NA	
Dimethyl Naphthalene Isomer						NA		NA	NA	
Benzeneacetic Acid						NA		NA	NA	
2H-1-Benzopyran-2-One						NA		NA	NA	
Octadecanoic acid						NA		NA	NA	
Cholestane Isomer						NA		NA	NA	
Cholest-5-en-3-one						NA		NA	NA	
Dodecane						NA		NA	NA	
Tridecane						NA		NA	NA	
Tetradecanoic acid						NA		NA	NA	
Alkanoic acid						NA		NA	NA	
Benzaldehyde (ACN)(DOT)	11,000 J	1900 J				NA		NA	NA	
Ethanone, 1-(Nitrophenyl)- I	19,000 J	8300 J	5300 J			NA		NA	NA	
Ethanedione, Diphenyl-	18,000 J	9000 J	23,000 J			NA		NA	NA	
Phenol 2,4-dichloro-, Benzenesulfonate	19,000 J	4400 J				NA		NA	NA	
Benzene, (1,2-Dimethoxyethyl)		29,000 J	14,000 J			NA		NA	NA	
Benzenamine, Dimethylnitro-isomer			13,000 J			NA		NA	NA	
Benzene, 2,4-Dibromo-1-Methoxy-						NA		NA	NA	

ON-SITE POND BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concentrations

ERM-Midwest Sample Number RNS-	SB-17-04	SB-17-7	SB-17-10	SB-17-13	SB-17-14.5	SB-17-202	SB-18-3	SB-18-3MS	SB-18-3MSD	SB-18-6
Remarks						Trip Blank				
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Diazene, Bis(Bromophenyl)- isomer						NA		NA	NA	
Benzenesulfonamide	8600 J	18,000 J	15,000 J			NA		NA	NA	
Ethanone, 1-(4-Nitrophenyl)-						NA		NA	NA	
Diazene, Bis(3,4-dichlorophenyl),1-oxide		2700 J				NA	440 J	NA	NA	
Benzophenone	4400 J	2400 J	4800 J			NA		NA	NA	
Methanone, (4-Bromophenyl)phenyl						NA		NA	NA	
Benzaldehyde						NA		NA	NA	
Pentachloroethane						NA		NA	NA	
[1,1'-Biphenyl]-2-ol						NA		NA	NA	
Benzenesulfonamide, 4-Methyl						NA		NA	NA	
Benzenemethanol, .Alpha.-(Chloromethyl)-						NA		NA	NA	
1,3-Cyclopentadiene, 1,2,3,4-Tetrachloro-						NA		NA	NA	
Ethanone, 1-(3-Nitrophenyl)-						NA		NA	NA	
Benzene, (1,2-Dichloroethyl)						NA		NA	NA	

ON-SITE POND BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	SB-18-9	SB-18-12	SB-18-15	SB-38-15	SB-18-18	SB-18-19.5	SB-19-3.0	SB-19-6	SB-19-9	SB-19-12
Remarks				Duplicate of SB-18-15						
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
SEMIVOLATILE COMPONENTS	-				-					
OCTADECANOIC ACID ISOMER										
9-Hexadecenoic Acid										
Hexadecanoic Acid										
Sitosterol Isomer										
Eicosene Isomer										
1-Methyl Naphthalene										
Dimethyl Naphthalene Isomer										
Benzeneacetic Acid										
2H-1-Benzopyran-2-One										
Octadecanoic acid										
Cholestane Isomer										
Cholest-5-en-3-one										
Dodecane										
Tridecane										
Tetradecanoic acid										
Alkanoic acid										
Benzaldehyde (ACN)(DOT)										
Ethanone, 1-(Nitrophenyl)- I										
Ethanedione, Diphenyl-		45,000 J	3700 J	7500 J		230 J	20,000 J	33,000 J	19,000 J	85,000 J
Phenol 2,4-dichloro-, Benzenesulfonate										
Benzene, (1,2-Dimethoxyethyl)		2000 J								
Benzenamine, Dimethylnitro-isomer										
Benzene, 2,4-Dibromo-1-Methoxy-		1300 J								

ON-SITE POND BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	SB-18-9	SB-18-12	SB-18-15	SB-38-15	SB-18-18	SB-18-19.5	SB-19-3.0	SB-19-6	SB-19-9	SB-19-12
Remarks				Duplicate of SB-18-15						
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Diazene, Bis(Bromophenyl)- isomer		2300 J								
Benzenesulfonamide						250 J			1800 J	14,000 J
Ethanone, 1-(4-Nitrophenyl)-										
Diazene, Bis(3,4-dichlorophenyl),1-oxide										
Benzophenone							3100 J	4100 J	2500 J	25,000 J
Methanone, (4-Bromophenyl)phenyl										6100 J
Benzaldehyde										4800 J
Pentachloroethane										
[1,1'-Biphenyl]-2-ol										
Benzenesulfonamide, 4-Methyl										
Benzenemethanol, .Alpha.-(Chloromethyl)-										
1,3-Cyclopentadiene, 1,2,3,4-Tetrachloro-										
Ethanone, 1-(3-Nitrophenyl)-										
Benzene, (1,2-Dichloroethyl)										

ON-SITE POND BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	SB-19-15	SB-19-17.5	SB-19-102	SB-20-3	SB-36-3	SB-20-6	SB-20-9	SB-20-11	SB-20-14	SB-20-17
Remarks			Field Blank		Dup. of SB-20-3					
Units	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
SEMIVOLATILE COMPONENTS			-							
OCTADECANOIC ACID ISOMER										
9-Hexadecenoic Acid										
Hexadecanoic Acid										
Sitosterol Isomer										
Eicosene Isomer										
1-Methyl Naphthalene										
Dimethyl Naphthalene Isomer										
Benzeneacetic Acid										
2H-1-Benzopyran-2-One										
Octadecanoic acid										
Cholestane Isomer										
Cholest-5-en-3-one										
Dodecane										
Tridecane										
Tetradecanoic acid										
Alkanoic acid										
Benzaldehyde (ACN)(DOT)										
Ethanone, 1-(Nitrophenyl)- I										
Ethanedione, Diphenyl-	93,000 J	70,000 J		35,000 J	22,000 J	19,000 J	230,000 J	130,000 J	34,000 J	15,000 J
Phenol 2,4-dichloro-, Benzenesulfonate				4700 J		18,000 J			9400 J	
Benzene, (1,2-Dimethoxyethyl)						9800 J			17,000 J	33,000 J
Benzenamine, Dimethylnitro-isomer										
Benzene, 2,4-Dibromo-1-Methoxy-										

ON-SITE POND BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	SB-19-15	SB-19-17.5	SB-19-102	SB-20-3	SB-36-3	SB-20-6	SB-20-9	SB-20-11	SB-20-14	SB-20-17
Remarks			Field Blank		Dup. of SB-20-3					
Units	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Diazene, Bis(Bromophenyl)- isomer	11,000 J			3600 J			29,000 J	16,000 J		
Benzenesulfonamide	23,000 J					5000 J			23,000 J	
Ethanone, 1-(4-Nitrophenyl)-									4800 J	5500 J
Diazene, Bis(3,4-dichlorophenyl),1-oxide										
Benzophenone	19,000 J			6000 J	4500 J		58,000 J	22,000 J	5100 J	
Methanone, (4-Bromophenyl)phenyl	5900 J						25,000 J			
Benzaldehyde										
Pentachloroethane		15,000 J								
[1,1'-Biphenyl]-2-ol		13,000 J				4600 J				3800 J
Benzenesulfonamide, 4-Methyl				7100 J	5300 J					
Benzenemethanol, .Alpha.-(Chloromethyl)-						9000 J	31,000 J	47,000 J	17,000 J	30,000 J
1,3-Cyclopentadiene, 1,2,3,4-Tetrachloro-									3800 J	
Ethanone, 1-(3-Nitrophenyl)-										3600 J
Benzene, (1,2-Dichloroethyl)										18,000 J

ON-SITE POND BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concentrations

ERM-Midwest Sample Number RNS-	SB-21-3	SB-21-6	SB-21-9	SB-21-12	SB-21-15	SB-37-15	SB-21-16.5	SB-22-3	SB-43-3	SB-22-6
Remarks						Duplicate of SB-21-15			Dup. of SB-22-3	
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS										
Hexadecanoic Acid										
Ethanone, 1-(Nitrophenyl)- I										
Ethanedione, Diphenyl-	6100 J	180,000 J	1700 J	480 J	800 J	650 J	6100 J			
Phenol 2,4-dichloro-, Benzenesulfonate	2500 J		15,000 J							
Benzene, (1,2-Dimethoxyethyl)			2800 J	14,000 J	3500 J	2000 J	5600 J			
Benzene, 2,4-Dibromo-1-Methoxy-	1500 J	97,000 J								
Diazene, Bis(Bromophenyl)- isomer		140,000(2)J								
Substituted Benzene										
Benzenesulfonamide	3200 J		2400 J	13,000 J	19,000 J	10,000 J	3100 J			
2,4-Dichlorophenol, Benzene Sulfonate										
Ethanone, 1-(4-Nitrophenyl)-			6000 J	7000 J						
Diazene, Bis(3,4-dichlorophenyl),1-oxide										
Bromophenol Isomer										
Benzophenone	1700 J	51,000 J		790 J						
Methanone, (4-Bromophenyl)phenyl		22,000 J								
Diazene, Bis(2-bromophenyl)-										
Octadecanoic Acid, 2-Methylpropyl Ester										
Butanoic Acid										
Octadecanoic Acid, Ester										
Benzenamine, Dichloro- isomer										
Ethanone, 1-phenyl						480 J				
Benzenemethanol, .alpha.- (Choloroethyl)				4000 J	2700 J	1400 J				
Dimethylnitrobenzenamine Isomer										

ON-SITE POND BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concentrations

ERM-Midwest Sample Number RNS-	SB-21-3	SB-21-6	SB-21-9	SB-21-12	SB-21-15	SB-37-15	SB-21-16.5	SB-22-3	SB-43-3	SB-22-6
Remarks						Duplicate of SB-21-15			Dup. of SB-22-3	
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/kg	ug/kg	ug/kg
Ethanone, 1-(Aminophenyl) - Isomer										
Substituted Phenol										
Benzene, (Chloroethenyl) - Isomer										
1-Phenyl-1,2-ethanediol										
1-(4-Nitrophenyl)-3-phenyl-2-propen-1-one										
Benzenesulfonyl Azide										
3,4-Dichlorostyrene										
Benzene,(1,2-dichloroethyl)-										
Benzene,1-chloro-4-(1,2-dichloroethyl)-										
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-										
[1,1'-Biphenyl]-2-ol				700 J			2000 J			
Benzene, (1-Methylethyl)-				580 J						
Ethanone, 1-(3-Nitrophenyl)-				1700 J						

ON-SITE POND BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	SB-22-9	SB-22-12	SB-22-15	SB-22-18	SB-22-18MS	SB-22-18MSD	SB-22-105	SB-23-3	SB-23-6	SB-23-9
Remarks							Field Blank			
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS					NA	NA	-			
Hexadecanoic Acid					NA	NA				
Ethanone, 1-(Nitrophenyl)- I					NA	NA				
Ethanedione, Diphenyl-					NA	NA				
Phenol 2,4-dichloro-, Benzenesulfonate					NA	NA				
Benzene, (1,2-Dimethoxyethyl)					NA	NA				
Benzene, 2,4-Dibromo-1-Methoxy-					NA	NA				
Diazene, Bis(Bromophenyl)- isomer					NA	NA				
Substituted Benzene				320 J	NA	NA		1620 J	700 J	2320 J
Benzenesulfonamide			1600 J	2400 J	NA	NA				
2,4-Dichlorophenol, Benzene Sulfonate					NA	NA				
Ethanone, 1-(4-Nitrophenyl)-					NA	NA				
Diazene, Bis(3,4-dichlorophenyl),1-oxide					NA	NA				
Bromophenol Isomer					NA	NA				
Benzophenone					NA	NA				
Methanone, (4-Bromophenyl)phenyl					NA	NA				
Diazene, Bis(2-bromophenyl)-					NA	NA				
Octadecanoic Acid, 2-Methylpropyl Ester					NA	NA				
Butanoic Acid					NA	NA				
Octadecanoic Acid, Ester					NA	NA				
Benzenamine, Dichloro- isomer					NA	NA				
Ethanone, 1-phenyl					NA	NA				
Benzenemethanol, .alpha.- (Choloroethyl)					NA	NA				
Dimethylnitrobenzenamine Isomer					NA	NA				

ON-SITE POND BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	SB-22-9	SB-22-12	SB-22-15	SB-22-18	SB-22-18MS	SB-22-18MSD	SB-22-105	SB-23-3	SB-23-6	SB-23-9
Remarks							Field Blank			
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg
Ethanone, 1-(Aminophenyl) - Isomer					NA	NA				
Substituted Phenol					NA	NA				
Benzene, (Chloroethenyl) - Isomer					NA	NA				
1-Phenyl-1,2-ethanediol					NA	NA				
1-(4-Nitrophenyl)-3-phenyl-2-propen-1-one					NA	NA				
Benzenesulfonyl Azide					NA	NA				
3,4-Dichlorostyrene					NA	NA				
Benzene,(1,2-dichloroethyl)-					NA	NA				
Benzene,1-chloro-4-(1,2-dichloroethyl)-					NA	NA				
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-					NA	NA				
[1,1'-Biphenyl]-2-ol					NA	NA				
Benzene, (1-Methylethyl)-					NA	NA				
Ethanone, 1-(3-Nitrophenyl)-					NA	NA				

ON-SITE POND BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent										
ERM-Midwest Sample Number RNS-	SB-23-12	SB-23-15	SB-24-3	SB-40-3	SB-24-6	SB-24-6MS	SB-24-6MSD	SB-24-8	SB-24-11	SB-24-14
Remarks				Duplicate of SB-24-3						
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
SEMIVOLATILE COMPONENTS			-	-	-	NA	NA			
Hexadecanoic Acid						NA	NA			
Ethanone, 1-(Nitrophenyl)- I		660 (2) J				NA	NA	2100 J		
Ethanedione, Diphenyl-						NA	NA			
Phenol 2,4-dichloro-, Benzenesulfonate						NA	NA			
Benzene, (1,2-Dimethoxyethyl)		3400 J				NA	NA			
Benzene, 2,4-Dibromo-1-Methoxy-						NA	NA			
Diazene, Bis(Bromophenyl)- isomer						NA	NA			
Substituted Benzene						NA	NA			
Benzenesulfonamide		1200 J				NA	NA		14,000 J	8800 J
2,4-Dichlorophenol, Benzene Sulfonate						NA	NA			
Ethanone, 1-(4-Nitrophenyl)-						NA	NA			
Diazene, Bis(3,4-dichlorophenyl),1-oxide						NA	NA			
Bromophenol Isomer						NA	NA			
Benzophenone						NA	NA	1700 J		
Methanone, (4-Bromophenyl)phenyl						NA	NA			
Diazene, Bis(2-bromophenyl)-						NA	NA			
Octadecanoic Acid, 2-Methylpropyl Ester						NA	NA			
Butanoic Acid						NA	NA			
Octadecanoic Acid, Ester						NA	NA			
Benzenamine, Dichloro- isomer						NA	NA			
Ethanone, 1-phenyl		320 J				NA	NA			
Benzenemethanol, .alpha.- (Choloroethyl)		400 J				NA	NA			
Dimethylnitrobenzenamine Isomer						NA	NA	340,000 J	1400 J	540(2) J

ON-SITE POND BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	SB-23-12	SB-23-15	SB-24-3	SB-40-3	SB-24-6	SB-24-6MS	SB-24-6MSD	SB-24-8	SB-24-11	SB-24-14
Remarks				Duplicate of SB-24-3						
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Ethanone, 1-(Aminophenyl) - Isomer						NA	NA			200 J
Substituted Phenol						NA	NA			180 J
Benzene, (Chloroethenyl) - Isomer						NA	NA	1600 J		
1-Phenyl-1,2-ethanediol						NA	NA			
1-(4-Nitrophenyl)-3-phenyl-2-propen-1-one						NA	NA			
Benzenesulfonyl Azide						NA	NA			
3,4-Dichlorostyrene						NA	NA			
Benzene,(1,2-dichloroethyl)-						NA	NA			
Benzene,1-chloro-4-(1,2-dichloroethyl)-						NA	NA			
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-						NA	NA			
[1,1'-Biphenyl]-2-ol						NA	NA			
Benzene, (1-Methylethyl)-						NA	NA			
Ethanone, 1-(3-Nitrophenyl)-						NA	NA			

ON-SITE POND BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	SB-24-15.5	SB-25-3	SB-25-6	SB-25-9	SB-25-12	SB-25-15	SB-25-104	SB-26-3	SB-42-3	SB-26-7
Remarks							Field Blank		Dup. of SB-26-3	
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS		-					-		-	
Hexadecanoic Acid										
Ethanone, 1-(Nitrophenyl)- I										
Ethanedione, Diphenyl-										
Phenol 2,4-dichloro-, Benzenesulfonate			57,000 J	7600 J	340 J					
Benzene, (1,2-Dimethoxyethyl)			9100 J	89,000 J	13,000 J	440 J				
Benzene, 2,4-Dibromo-1-Methoxy-										
Diazene, Bis(Bromophenyl)- isomer										
Substituted Benzene										490 J
Benzenesulfonamide	3900 J				34,000 J	16,000 J				4000 J
2,4-Dichlorophenol, Benzene Sulfonate								3600 J		
Ethanone, 1-(4-Nitrophenyl)-										1100 J
Diazene, Bis(3,4-dichlorophenyl),1-oxide										
Bromophenol Isomer										
Benzophenone										
Methanone, (4-Bromophenyl)phenyl										
Diazene, Bis(2-bromophenyl)-										
Octadecanoic Acid, 2-Methylpropyl Ester										
Butanoic Acid										
Octadecanoic Acid, Ester										
Benzenamine, Dichloro- isomer										
Ethanone, 1-phenyl					640 J					
Benzenemethanol, .alpha.- (Choloroethyl)					5100 J					
Dimethylnitrobenzenamine Isomer										

ON-SITE POND BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	SB-24-15.5	SB-25-3	SB-25-6	SB-25-9	SB-25-12	SB-25-15	SB-25-104	SB-26-3	SB-42-3	SB-26-7
Remarks							Field Blank		Dup. of SB-26-3	
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/kg	ug/kg	ug/kg
Ethanone, 1-(Aminophenyl) - Isomer	210 J									
Substituted Phenol										
Benzene, (Chloroethenyl) - Isomer										
1-Phenyl-1,2-ethanediol					14,000 J					
1-(4-Nitrophenyl)-3-phenyl-2-propen-1-one			3200 J							
Benzenesulfonyl Azide			4100 J							
3,4-Dichlorostyrene			3100 J							
Benzene,(1,2-dichloroethyl)-			140,000 J	5500 J						
Benzene,1-chloro-4-(1,2-dichloroethyl)-			6700 J							
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-										
[1,1'-Biphenyl]-2-ol										
Benzene, (1-Methylethyl)-										
Ethanone, 1-(3-Nitrophenyl)-										

ON-SITE POND BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	SB-26-10	SB-26-203	SB-27-03	SB-27-03MS	SB-27-03MSD	SB-27-07	SB-27-10	SB-27-13	SB-28-1	SB-41-1
Remarks		Trip Blank								Duplicate of SB-28-1
Units	ug/kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
SEMIVOLATILE COMPONENTS		NA	-	NA	NA				-	-
Hexadecanoic Acid		NA		NA	NA					
Ethanone, 1-(Nitrophenyl)- I		NA		NA	NA					
Ethanedione, Diphenyl-		NA		NA	NA					
Phenol 2,4-dichloro-, Benzenesulfonate		NA		NA	NA					
Benzene, (1,2-Dimethoxyethyl)		NA		NA	NA					
Benzene, 2,4-Dibromo-1-Methoxy-		NA		NA	NA					
Diazene, Bis(Bromophenyl)- isomer		NA		NA	NA					
Substituted Benzene	4700 J	NA		NA	NA					
Benzenesulfonamide	3200 J	NA		NA	NA	8900 J	9400 J	6600 J		
2,4-Dichlorophenol, Benzene Sulfonate		NA		NA	NA					
Ethanone, 1-(4-Nitrophenyl)-		NA		NA	NA					
Diazene, Bis(3,4-dichlorophenyl),1-oxide		NA		NA	NA					
Bromophenol Isomer		NA		NA	NA					
Benzophenone		NA		NA	NA					
Methanone, (4-Bromophenyl)phenyl		NA		NA	NA					
Diazene, Bis(2-bromophenyl)-		NA		NA	NA					
Octadecanoic Acid, 2-Methylpropyl Ester		NA		NA	NA					
Butanoic Acid		NA		NA	NA					
Octadecanoic Acid, Ester		NA		NA	NA					
Benzenamine, Dichloro- isomer		NA		NA	NA					
Ethanone, 1-phenyl		NA		NA	NA					
Benzenemethanol, .alpha.- (Choloroethyl)		NA		NA	NA					
Dimethylnitrobenzenamine Isomer		NA		NA	NA					

ON-SITE POND BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	SB-26-10	SB-26-203	SB-27-03	SB-27-03MS	SB-27-03MSD	SB-27-07	SB-27-10	SB-27-13	SB-28-1	SB-41-1
Remarks		Trip Blank								Duplicate of SB-28-1
Units	ug/kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Ethanone, 1-(Aminophenyl) - Isomer		NA		NA	NA					
Substituted Phenol		NA		NA	NA					
Benzene, (Chloroethenyl) - Isomer		NA		NA	NA					
1-Phenyl-1,2-ethanediol		NA		NA	NA					
1-(4-Nitrophenyl)-3-phenyl-2-propen-1-one		NA		NA	NA					
Benzenesulfonyl Azide		NA		NA	NA					
3,4-Dichlorostyrene		NA		NA	NA					
Benzene,(1,2-dichloroethyl)-		NA		NA	NA					
Benzene,1-chloro-4-(1,2-dichloroethyl)-		NA		NA	NA					
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-		NA		NA	NA					
[1,1'-Biphenyl]-2-ol		NA		NA	NA					
Benzene, (1-Methylethyl)-		NA		NA	NA					
Ethanone, 1-(3-Nitrophenyl)-		NA		NA	NA					

ON-SITE POND BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	SB-28-4	SB-28-7	SB-28-10	SB-28-13	SB-29-3	SB-29-6	SB-29-9	SB-29-12	SB-29-15	SB-29-18
Remarks										
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
SEMIVOLATILE COMPONENTS										
Hexadecanoic Acid					230 J					
Ethanone, 1-(Nitrophenyl)- I										
Ethanedione, Diphenyl-										
Phenol 2,4-dichloro-, Benzenesulfonate										
Benzene, (1,2-Dimethoxyethyl)										
Benzene, 2,4-Dibromo-1-Methoxy-										
Diazene, Bis(Bromophenyl)- isomer										
Substituted Benzene										
Benzenesulfonamide	3300 J	7800 J	2200 J	5600 J		370 J	2900 J	940 J	720 J	1100 J
2,4-Dichlorophenol, Benzene Sulfonate										
Ethanone, 1-(4-Nitrophenyl)-										
Diazene, Bis(3,4-dichlorophenyl),1-oxide					170 J	430 J				
Bromophenol Isomer							390 J			
Benzophenone							6200 J			
Methanone, (4-Bromophenyl)phenyl							1000 J			
Diazene, Bis(2-bromophenyl)-										
Octadecanoic Acid, 2-Methylpropyl Ester										
Butanoic Acid										
Octadecanoic Acid, Ester										
Benzenamine, Dichloro- isomer										
Ethanone, 1-phenyl										
Benzenemethanol, .alpha.- (Choloroethyl)										
Dimethylnitrobenzenamine Isomer										

ON-SITE POND BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	SB-28-4	SB-28-7	SB-28-10	SB-28-13	SB-29-3	SB-29-6	SB-29-9	SB-29-12	SB-29-15	SB-29-18
Remarks										
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Ethanone, 1-(Aminophenyl) - Isomer										
Substituted Phenol										
Benzene, (Chloroethenyl) - Isomer										
1-Phenyl-1,2-ethanediol										
1-(4-Nitrophenyl)-3-phenyl-2-propen-1-one										
Benzenesulfonyl Azide										
3,4-Dichlorostyrene										
Benzene,(1,2-dichloroethyl)-										
Benzene,1-chloro-4-(1,2-dichloroethyl)-										
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-			440 J							
[1,1'-Biphenyl]-2-ol										
Benzene, (1-Methylethyl)-										
Ethanone, 1-(3-Nitrophenyl)-										

ON-SITE POND BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	SB-30-3	SB-30-6	SB-30-9	SB-30-12	SB-39-12	SB-30-15	SB-30-19	SB-30-19MS	SB-30-19MSD	SB-30-103
Remarks					Duplicate of SB-30-12					Field Blank
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L
SEMIVOLATILE COMPONENTS								NA	NA	-
Hexadecanoic Acid								NA	NA	
Ethanone, 1-(Nitrophenyl)- I								NA	NA	
Ethanedione, Diphenyl-								NA	NA	
Phenol 2,4-dichloro-, Benzenesulfonate								NA	NA	
Benzene, (1,2-Dimethoxyethyl)								NA	NA	
Benzene, 2,4-Dibromo-1-Methoxy-				6500 J	9700 J			NA	NA	
Diazene, Bis(Bromophenyl)- isomer				510 J	480 J			NA	NA	
Substituted Benzene								NA	NA	
Benzenesulfonamide		450 J	5700 J	6100 J	8500 J	1600 J	880 J	NA	NA	
2,4-Dichlorophenol, Benzene Sulfonate								NA	NA	
Ethanone, 1-(4-Nitrophenyl)-								NA	NA	
Diazene, Bis(3,4-dichlorophenyl),1-oxide								NA	NA	
Bromophenol Isomer								NA	NA	
Benzophenone				1500 J	2400 J			NA	NA	
Methanone, (4-Bromophenyl)phenyl					330 J			NA	NA	
Diazene, Bis(2-bromophenyl)-			2600 J					NA	NA	
Octadecanoic Acid, 2-Methylpropyl Ester							5200 J	NA	NA	
Butanoic Acid							2300 J	NA	NA	
Octadecanoic Acid, Ester							4300 J	NA	NA	
Benzenamine, Dichloro- isomer					340 J			NA	NA	
Ethanone, 1-phenyl								NA	NA	
Benzenemethanol, .alpha.- (Choloroethyl)								NA	NA	
Dimethylnitrobenzenamine Isomer								NA	NA	

ON-SITE POND BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent

ERM-Midwest Sample Number RNS-	SB-30-3	SB-30-6	SB-30-9	SB-30-12	SB-39-12	SB-30-15	SB-30-19	SB-30-19MS	SB-30-19MSD	SB-30-103
Remarks					Duplicate of SB-30-12					Field Blank
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L
Ethanone, 1-(Aminophenyl) - Isomer								NA	NA	
Substituted Phenol								NA	NA	
Benzene, (Chloroethenyl) - Isomer								NA	NA	
1-Phenyl-1,2-ethanediol								NA	NA	
1-(4-Nitrophenyl)-3-phenyl-2-propen-1-one								NA	NA	
Benzenesulfonyl Azide								NA	NA	
3,4-Dichlorostyrene								NA	NA	
Benzene,(1,2-dichloroethyl)-								NA	NA	
Benzene,1-chloro-4-(1,2-dichloroethyl)-								NA	NA	
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-								NA	NA	
[1,1'-Biphenyl]-2-ol								NA	NA	
Benzene, (1-Methylethyl)-								NA	NA	
Ethanone, 1-(3-Nitrophenyl)-								NA	NA	

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent	
ERM-Midwest Sample Number RNS-	SB-30-201
Remarks	Trip Blank
Units	ug/L
SEMIVOLATILE COMPONENTS	NA
Hexadecanoic Acid	NA
Ethanone, 1-(Nitrophenyl)- I	NA
Ethanedione, Diphenyl-	NA
Phenol 2,4-dichloro-, Benzenesulfonate	NA
Benzene, (1,2-Dimethoxyethyl)	NA
Benzene, 2,4-Dibromo-1-Methoxy-	NA
Diazene, Bis(Bromophenyl)- isomer	NA
Substituted Benzene	NA
Benzenesulfonamide	NA
2,4-Dichlorophenol, Benzene Sulfonate	NA
Ethanone, 1-(4-Nitrophenyl)-	NA
Diazene, Bis(3,4-dichlorophenyl),1-oxide	NA
Bromophenol Isomer	NA
Benzophenone	NA
Methanone, (4-Bromophenyl)phenyl	NA
Diazene, Bis(2-bromophenyl)-	NA
Octadecanoic Acid, 2-Methylpropyl Ester	NA
Butanoic Acid	NA
Octadecanoic Acid, Ester	NA
Benzenamine, Dichloro- isomer	NA
Ethanone, 1-phenyl	NA
Benzenemethanol, .alpha.- (Choloroethyl)	NA
Dimethylnitrobenzenamine Isomer	NA

ON-SITE POND BORING SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concent	
ERM-Midwest Sample Number RNS-	SB-30-201
Remarks	Trip Blank
Units	ug/L
Ethanone, 1-(Aminophenyl) - Isomer	NA
Substituted Phenol	NA
Benzene, (Chloroethenyl) - Isomer	NA
1-Phenyl-1,2-ethanediol	NA
1-(4-Nitrophenyl)-3-phenyl-2-propen-1-one	NA
Benzenesulfonyl Azide	NA
3,4-Dichlorostyrene	NA
Benzene,(1,2-dichloroethyl)-	NA
Benzene,1-chloro-4-(1,2-dichloroethyl)-	NA
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-	NA
[1,1'-Biphenyl]-2-ol	NA
Benzene, (1-Methylethyl)-	NA
Ethanone, 1-(3-Nitrophenyl)-	NA

ON-SITE POND BORINGS

INORGANICS

Legend:

-	Compound was not detected.
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.
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.

ON-SITE POND BORING SAMPLES

INORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

ERM Midwest Sample Number			RNS-	SB-18-3	SB-18-6	SB-18-9	SB-18-12	SB-20-3	SB-36-3	SB-20-4	SB-20-6	SB-20-9	SB-22-3	SB-43-3
Percent Solids Date Sampled				80.2 6/29/90	85.3 6/29/90	74.8 6/29/90	75.4 6/29/90	87.8 6/27/90	73 8 6/27/90	77.8 6/28/90	78.8 6/28/90	84.0 6/28/90	79.4 7/16/90	82.1 7/16/90
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
INORGANIC ELEMENTS		Detection Limit	Detection Limit						Field Dup. of SB-20-3					Dup. of SB-22-3
Aluminum	P	15.0	3.0	8810 J	11,400 J	17,200 J	9170 J	11,800	14,700	1250	9450	4860	15,400	9560
Antimony	P	19.0	3.8	8.3 J	UL	UL	UL				7.4 J	6.9 J	UL	7.9 J
Arsenic	F	2.0	0.4	12.3 J	16.2 J	11.1 J	15.0 J	11.3	15 7	2.6	9.8	3.9	12 6	10 6
Barium	P	1.0	0.20	56.9	75.5	95.4	53.0	95.9	96.0	28 7	78.1	69.3	68.0	51 2
Beryllium	P	1.0	0.20	0 42	0.70	0.92	0 47	0.42 J	0 68 J		0 46 J	0.33 J	0.75 J	0.29 J
Cadmium	P	3.0	0.60							0.89				
Calcium	P	14.0	2.8	40,300 J	2920 J	4140 J	14,200 J	3600	4150	6590	11,100	31,400	25,500 J	65,400 J
Chromium	P	3.0	0.60	13.7 J	16.6 J	24.3 J	15.4 J	19.0	20.0	2.5 J	12.4 J	6.7 J	26.2	19.7
Cobalt	P	3.0	0 60	8.7	10 6	11.7	11.7	6.9	10 5		6.3	2.8 U	7 8	6.1
Copper	P	3.0	0 60	38.4 J	29.3 J	29.1 J	29.8 J	28 8	32.7	5.1	16.5	9.2	26.8	18.4
Iron	P	3.0	0.60	23,700	30,900	31,800	32,500	24,300	31,200	4660	22,200	6590	33,800 J	19,000 J
Lead	F	2.0	0.40	14.0	18.6	18.0	16.3	18.4	17.9	9.9	25.8	10.1	14.0	9.9
Magnesium	P	23.0	4.6	4490	3120	4830	6270	2480	2870	213	1610	741	2690	1940
Manganese	P	1.0	0.20	431 J	464 J	635 J	410 J	240	391	33.4	528	152	402	289
Mercury	CV	0.20	0.10					0.11						
Nickel	P	24.0	4.8	17.9	28.4	29.1	26.4	18.7	29 4		13.1	8.0	20.9	14.0
Potassium	P	428	85.6	1170	988	2500	1600	1250	1700	788	874	655	2030 J	1070 J
Selenium	F	2.0	0.40				0.53	0.50	0.51					
Silver	F	2.0	0.40	0.52 U						0.60 U				
Sodium	P	18.0	3.6	106	54.0	142	79.5	156	184	358 J	644 J	384 J	90.0 B	111 B
Thallium	F	3.0	0.60											
Vanadium	P	3.0	0.60	16.2	19.4	31.4	15.7	21.9	26.6	2.7	18.7	9.5	29.4	17.9

ON-SITE POND BORING SAMPLES

INORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

ERM Midwest Sample Number			RNS-	SB-18-3	SB-18-6	SB-18-9	SB-18-12	SB-20-3	SB-36-3	SB-20-4	SB-20-6	SB-20-9	SB-22-3	SB-43-3
Percent Solids Date Sampled				80.2 6/29/90	85.3 6/29/90	74.8 6/29/90	75.4 6/29/90	87.8 6/27/90	73.8 6/27/90	77.8 6/28/90	78.8 6/28/90	84.0 6/28/90	79.4 7/16/90	82.1 7/16/90
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
INORGANIC ELEMENTS		Detection Limit	Detection Limit						Field Dup of SB-20-3					Dup. of SB-22-3
Zinc	P	6 0	1.2	66.5 J	75.5 J	76.2 J	86.3 J	62.8 J	82.3 J	4.3	54.8	22.4	77 3 J	54.8 J
Cyanide	As	10.0	0.25											
Detection Limit Multiplier														

ON-SITE POND BORING SAMPLES

INORGANIC ANALYSIS - ANALYTICAL RESULTS - AL

ERM Midwest Sample Number			RNS-	SB-22-6	SB-22-9	SB-22-105	SB-24-3	SB-40-3	SB-24-6	SB-24-8	SB-27-03	SB-30-3	SB-30-6	SB-30-9
Percent Solids				85.7	86.0	-	40.9	42.3	44.7	42.7	41.5	83.4	65.4	90.0
Date Sampled				7/16/90	7/16/90	7/16/90	7/2/90	7/2/90	7/2/90	7/2/90	7/13/90	6/30/90	6/30/90	6/30/90
Units				mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
INORGANIC ELEMENTS		Detection Limit	Detection Limit			Field Blank		Field Dup of SB-24-3						
Aluminum	P	15.0	3.0	13,700	14,800	47.7	3260	3690	2610	755	2480	11,100	15,300	768
Antimony	P	19.0	3.8	UL	UL	UL	14.1 J	36.7 J	(2x)	(2x)	UL			(2x)
Arsenic	F	2.0	0.4	14.2	17.8		2.9	2.8	2 5	2.3	1 4	12 6	13 2	0.53
Barium	P	1.0	0.20	63.4	83.3		88 0	132	26.6 J	3.2 J	63.1	65.4	115	10.7
Beryllium	P	1.0	0.20	0.56	0.69			(2x)	(2x)	(2x)		0 64	0.94	(2x)
Cadmium	P	3 0	0.60					(2x)	(2x)	(2x)				(2x)
Calcium	P	14.0	2 8	1540	1350	533	200,000 J	16,600 J	253,000 J	287,000 J	202,000	2350	3740	105,000
Chromium	P	3.0	0 60	16 1	19.6	3.0	47.5	40 4	46.7	22.3	24 4	14.5	18 8	7 9
Cobalt	P	3.0	0 60	7 4	10 5			(2x)	(2x)	(2x)	1 8	8 8	9.5	(2x)
Copper	P	3.0	0.60	18.3	27 8	7 2	17.2 U	13.9 U	10.6	4.7 U	19.1	20 2	22.9	3.9 U
Iron	P	3 0	0.60	22,800	32,800	117	9080	7910	6470	2270	4820	25,200	27,700	1370
Lead	F	2.0	0.40	13 8	23 8/P		7.7	7 0	4.9 J	4.9 J	6 3 J	26.9/P	31.3	3.5
Magnesium	P	23.0	4.6	2230	3180	35.9	2630 J	5340 J	1840	566	2340	1790	2280	1170
Manganese	P	1 0	0.20	344	451	2.3	298	336	274	66.1	138	669	509	39.4
Mercury	CV	0.20	0.10				0.30	0.30						
Nickel	P	24.0	4.8	14.1	23.4		12.6 J	29.8 J	(2x)	(2x)		14.8	18.2	(2x)
Potassium	P	428	85.6	1070	2010		376 J	(2x)	(2x)	(2x)		698	806	187
Selenium	F	2 0	0.40		2.1		UL	UL	UL	UL			0.61	
Silver	F	2 0	0.40					(2x)	(2x)	(2x)				(2x)
Sodium	P	18 0	3.6	70.8 B	134 B	393	391	533	432 J	400 J	308	84.2 B	95.5 B	1060
Thallium	F	3.0	0.60		9.8						UL			
Vanadium	P	3.0	0.60	25 5	26 4		9.4	9.0	7.3	4.3	6.1	22.3	29.5	2.6 U

ON-SITE POND BORING SAMPLES

INORGANIC ANALYSIS - ANALYTICAL RESULTS - AL

ERM Midwest Sample Number			RNS-	SB-22-6	SB-22-9	SB-22-105	SB-24-3	SB-40-3	SB-24-6	SB-24-8	SB-27-03	SB-30-3	SB-30-6	SB-30-9
Percent Solids Date Sampled				85.7 7/16/90	86.0 7/16/90	- 7/16/90	40.9 7/2/90	42.3 7/2/90	44.7 7/2/90	42 7 7/2/90	41.5 7/13/90	83.4 6/30/90	65.4 6/30/90	90.0 6/30/90
Units				mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
INORGANIC ELEMENTS		Detection Limit	Detection Limit			Field Blank		Field Dup. of SB-24-3						
Zinc	P	6.0	1.2	61.2 J	82.2 J	11.3	309 J	611 J	165 J	39.8 J	46.6	61.5	79.9	14.4 B
Cyanide	As	10.0	0.25								UL		0.89	1.4
Detection Limit Multiplier														

ON-SITE POND BORING SAMPLES

INORGANIC ANALYSIS - ANALYTICAL RESULTS - AL

ERM Midwest Sample Number			RNS-	SB-30-103
Percent Solids				-
Date Sampled				6/30/90
Units				mg/L
INORGANIC ELEMENTS		Detection Limit	Detection Limit	Field Blank
Aluminum	P	15.0	3.0	70.2
Antimony	P	19.0	3.8	
Arsenic	F	2.0	0.4	
Barium	P	1.0	0.20	1.6
Beryllium	P	1.0	0.20	
Cadmium	P	3.0	0.60	
Calcium	P	14.0	2.8	421
Chromium	P	3.0	0.60	
Cobalt	P	3.0	0.60	
Copper	P	3.0	0.60	
Iron	P	3.0	0.60	145
Lead	F	2.0	0.40	
Magnesium	P	23.0	4.6	47.6
Manganese	P	1.0	0.20	2.7
Mercury	CV	0.20	0.10	
Nickel	P	24.0	4.8	
Potassium	P	428	85.6	
Selenium	F	2.0	0.40	
Silver	F	2.0	0.40	
Sodium	P	18.0	3.6	452
Thallium	F	3.0	0.60	
Vanadium	P	3.0	0.60	

INORGANIC ANALYSIS - ANALYTICAL RESULTS - AL

ERM Midwest Sample Number			RNS-	SB-30-103
Percent Solids Date Sampled				- 6/30/90
Units				mg/L
INORGANIC ELEMENTS		Detection Limit	Detection Limit	Field Blank
Zinc	P	6.0	1.2	25.5
Cyanide	As	10.0	0.25	
Detection Limit Multiplier				

ON-SITE POND BORINGS

DIOXINS AND FURANS

Legend:

-	Compound was not detected.
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.
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.

ON-SITE POND BORING SAMPLES

DIOXIN AND FURAN ANALYTICAL RESULTS

ERM Midwest Sample Number RNS-	SB-18-3	SB-18-6	SB-18-9	SB-18-12	SB-20-3	SB-20-6	SB-20-9	SB-20-11	SB-22-03	SB-22-06	SB-22-09	SB-22-105
Units	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/L
DIOXINS AND FURANS												Field Blank
Total TCDD	0.0062 U	0.0050 U	0.016 U	0.017 U	0.0049 U	0.0089 U	0.0045 U	0.0099 U	0.012 U	0.0051 U	0.0078 U	0.082 U
2,3,7,8-TCDD	0.0062 U	0.0050 U	0.016 U	0.017 U	0.0049 U	0.0089 U	0.0045 U	0.0099 U	0.012 U	0.0051 U	0.0078 U	0.082 U
Total PeCDDs	0.017 U	0.035 U	0.041 U	0 048 U	0 0096 U	0.026 U	0 22 U	0.22 U	0.021 U	0.016 U	0 031 U	0.15 U
1,2,3,7,8-PeCDD	0.017 U	0.035 U	0.041 U	0.048 U	0.0096 U	0.026 U	0.22 U	0.22 U	0.021 U	0 016 U	0.031 U	0 15 U
Total HxCDDs	0.0099 U	0.029 U	0.043 U	0.060 U	0.012 U	0.021 U	0.030 U	0.047 U	0.027 U	0 022 U	0 027 U	0.22 U
1,2,3,4,7,8-HxCDD	0.0099 U	0.029 U	0.043 U	0.060 U	0.012 U	0 021 U	0.030 U	0.047 U	0 027 U	0.022 U	0.027 U	0.22 U
1,2,3,6,7,8-HxCDD	0 0099 U	0.029 U	0.043 U	0.060 U	0 012 U	0.021 U	0 030 U	0.047 U	0.027 U	0.022 U	0.027 U	0.22 U
1,2,3,7,8,9-HxCDD	0 0099 U	0.029 U	0.043 U	0.060 U	0 012 U	0.021 U	0 030 U	0.047 U	0 027 U	0.022 U	0.027 U	0 22 U
Total HpCDDs	0.015 U	0.0092 U	0.019 U	0.038 U	0.033 U	0 053 U	0 11 U	0.084 U	0.0096 U	0.0088 U	0 013 U	0 077 U
1,2,3,4,6,7,8-HpCDD	0.015 U	0.0092 U	0.019 U	0.038 U	0.033 U	0 053 U	0.11 U	0.084 U	0.0096 U	0.0088 U	0.013 U	0.077 U
OCDD	0.35	0.031 U	0.033 U	0.068 U	0.14	0 29	0.50 U	0.33 U	0.28	0.11	0.86	0 15 U
Total TCDFs	0.0073 U	0.0058 U	0.0078 U	0.017 U	0.013 U	0.014	0.082 U	0.063 U	0.0049 U	0.0050 U	0 0056 U	0.034 U
2,3,7,8-TCDF	0.0073 U	0.0058 U	0.0078 U	0.017 U	0 013 U	0.071	0.082 U	0.063 U	0.0049 U	0.0050 U	0.0056 U	0.034 U
Total PeCDFs	0.012 U	0.018 U	0.028 U	0.022 U	0.0086 U	0.026 U	0.021 U	0.018 U	0.0056 U	0.0043 U	0.0097 U	0.046 U
1,2,3,7,8-PeCDF	0.012 U	0.018 U	0.028 U	0.022 U	0.0086 U	0.026 U	0.021 U	0.018 U	0.0056 U	0.0043 U	0.0097 U	0.046 U
2,3,4,7,8-PeCDF	0.012 U	0.018 U	0.028 U	0.022 U	0.0086 U	0.026 U	0.021 U	0.018 U	0.0056 U	0.0043 U	0.0097 U	0 046 U
Total HxCDFs	0.012 U	0.011 U	0.030 U	0.036 U	0.010 U	0.031 U	0.031 U	0.034 U	0.012 U	0.0047 U	0.017 U	0.080 U
1,2,3,4,7,8-HxCDF	0.012 U	0.011 U	0.030 U	0.036 U	0.010 U	0.031 U	0.031 U	0.034 U	0.012 U	0.0047 U	0.017 U	0.080 U
1,2,3,6,7,8-HxCDF	0.012 U	0.011 U	0.030 U	0.036 U	0.010 U	0 031 U	0 031 U	0.034 U	0.012 U	0.0047 U	0.017 U	0.080 U
2,3,4,6,7,8-HxCDF	0.012 U	0.011 U	0.030 U	0.036 U	0.010 U	0.031 U	0.031 U	0.034 U	0.012 U	0.0047 U	0.017 U	0.080 U
1,2,3,7,8,9-HxCDF	0.012 U	0.011 U	0.030 U	0.036 U	0.010 U	0.031 U	0.031 U	0.034 U	0 012 U	0.0047 U	0.017 U	0.080 U
Total HpCDFs	0.0049 U	0.0073 U	0.015 U	0.013 U	0.0091 U	0.044 U	0.033 U	0.020 U	0.014 U	0.0076 U	0.020 U	0.074 U
1,2,3,4,6,7,8-HpCDF	0.0049 U	0 0073 U	0.015 U	0.013 U	0.0091 U	0.044 U	0.033 U	0.020 U	0.014 U	0.0076 U	0.020 U	0.074 U
1,2,3,4,7,8,9-HpCDF	0.0049 U	0.0073 U	0.015 U	0.013 U	0.0091 U	0.044 U	0 033 U	0.020 U	0.014 U	0.0076 U	0.020 U	0.074 U

ON-SITE POND BORING SAMPLES

DIOXIN AND FURAN ANALYTICAL RESULTS

ERM Midwest Sample Number RNS-	SB-18-3	SB-18-6	SB-18-9	SB-18-12	SB-20-3	SB-20-6	SB-20-9	SB-20-11	SB-22-03	SB-22-06	SB-22-09	SB-22-105
Units	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/L
OCDF	0.015 U	0.019 U	0.042 U	0.044 U	0.028 U	0.19 U	0.18 U	0.056 U	0.025 U	0.010 U	0.027 U	0.28 U
Date Sample Received by Laboratory	6/30/90	6/30/90	6/30/90	6/30/90	6/29/90	6/29/90	6/29/90	6/29/90	7/17/90	7/17/90	7/17/90	7/17/90
Date Sample Extracted	7/11/90	7/11/90	7/11/90	7/11/90	7/6/90	7/6/90	7/6/90	7/6/90	7/19/90	7/19/90	7/19/90	7/19/90
Date Sample Analyzed	7/19/90	7/19/90	7/19/90	7/19/90	7/19/90	7/19/90	7/19/90	7/19/90	7/24/90	7/24/90	7/24/90	7/24/90

ON-SITE POND BORING SAMPLES

DIOXIN AND FURAN ANALYTICAL RESULTS

ERM Midwest Sample Number RNS-	TP-23-105	TP-23-12.5	SB-24-3	SB-24-6	SB-24-8	SB-27-03	SB-30-103	SB-30-3	SB-30-6	SB-30-9	SB-36-3	SB-40-3
Units	ng/L	ng/g	ng/g	ng/g	ng/g	ng/g	ng/L	ng/g	ng/g	ng/g	ng/g	ng/g
DIOXINS AND FURANS							Field Blank					
Total TCDD	0.098 U	0.032 U	0.017 U	0.0061 UL	0.0056 U	0.0059 U	0.066 UL	0.0057 U	0.0039 U	0.0026 U	0.0046 U	0.021 U
2,3,7,8-TCDD	0.098 U	0.032 U	0.017 U	0.0061 UL	0.0056 U	0.0059 U	0.066 UL	0.0057 U	0.0039 U	0.0026 U	0.0046 U	0.021 U
Total PeCDDs	1.4 U	0.17 U	0.068 U	0.0073 UL	0.013 U	0.017 U	0.36 UL	0.021 U	0.012 U	0.10 U	0.017 U	0.071 U
1,2,3,7,8-PeCDD	1.4 U	0.17 U	0.068 U	0.0073 UL	0.013 U	0.017 U	0.36 UL	0.021 U	0.012 U	0.10 U	0.017 U	0.071 U
Total HxCDDs	1.2 U	0.12 U	0.085 U	0.011 UL	0.013 U	0.024 U	0.29 UL	0.021 U	0.015 U	0.11 U	0.019 U	0.067 U
1,2,3,4,7,8-HxCDD	1.2 U	0.12 U	0.085 U	0.011 UL	0.013 U	0.024 U	0.29 UL	0.021 U	0.015 U	0.11 U	0.019 U	0.067 U
1,2,3,6,7,8-HxCDD	1.2 U	0.12 U	0.085 U	0.011 UL	0.013 U	0.024 U	0.29 UL	0.021 U	0.015 U	0.11 U	0.019 U	0.067 U
1,2,3,7,8,9-HxCDD	1.2 U	0.12 U	0.085 U	0.011 UL	0.013 U	0.024 U	0.29 UL	0.021 U	0.015 U	0.11 U	0.019 U	0.067 U
Total HpCDDs	0.46 U	0.075 U	0.036 U	0.0081 UL	0.0081 U	0.010 U	0.14 UL	0.042 U	0.012 U	0.026 U	0.012 U	0.026 U
1,2,3,4,6,7,8-HpCDD	0.46 U	0.075 U	0.036 U	0.0081 UL	0.0081 U	0.010 U	0.14 UL	0.042 U	0.012 U	0.026 U	0.012 U	0.026 U
OCDD	1.3 U	0.13 U	0.069 U	0.025 UL	0.027 U	0.024 U	0.39 UL	3.0	0.52	0.069 U	0.078 U	0.038 U
Total TCDFs	0.15 U	0.018 U	0.014 U	0.0066 UL	0.0042 U	0.012 U	0.046 UL	0.0042 U	0.0039 U	0.017 U	0.010 U	0.011 U
2,3,7,8-TCDF	0.15 U	0.018 U	0.014 U	0.0066 UL	0.0042 U	0.012 U	0.046 UL	0.0042 U	0.0039 U	0.017 U	0.010 U	0.011 U
Total PeCDFs	0.29 U	0.022 U	0.027 U	0.0048 UL	0.0042 U	0.0084 U	0.11 UL	0.0065 U	0.0060 U	0.069 U	0.013 U	0.056 U
1,2,3,7,8-PeCDF	0.29 U	0.022 U	0.027 U	0.0048 UL	0.0042 U	0.0084 U	0.11 UL	0.0065 U	0.0060 U	0.069 U	0.013 U	0.056 U
2,3,4,7,8-PeCDF	0.29 U	0.022 U	0.027 U	0.0048 UL	0.0042 U	0.0084 U	0.11 UL	0.0065 U	0.0060 U	0.069 U	0.013 U	0.056 U
Total HxCDFs	0.41 U	0.071 U	0.052 U	0.0077 UL	0.0066 U	0.011 U	0.13 UL	0.014 U	0.0051 U	0.059 U	0.0046 U	0.039 U
1,2,3,4,7,8-HxCDF	0.41 U	0.071 UL	0.052 U	0.0077 UL	0.0066 U	0.011 U	0.13 UL	0.014 U	0.0051 U	0.059 U	0.0046 U	0.039 U
1,2,3,6,7,8-HxCDF	0.41 U	0.071 U	0.052 U	0.0077 UL	0.0066 U	0.011 U	0.13 UL	0.014 U	0.0051 U	0.059 U	0.0046 U	0.039 U
2,3,4,6,7,8-HxCDF	0.41 U	0.071 U	0.052 U	0.0077 UL	0.0066 U	0.011 U	0.13 UL	0.014 U	0.0051 U	0.059 U	0.0046 U	0.039 U
1,2,3,7,8,9-HxCDF	0.41 U	0.071 U	0.052 U	0.0077 UL	0.0066 U	0.011 U	0.13 UL	0.014 U	0.0051 U	0.059 U	0.0046 U	0.039 U
Total HpCDFs	0.42 U	0.061 U	0.025 U	0.0044 UL	0.0060 U	0.0097 U	0.096 UL	0.0080 U	0.0092 U	0.018 U	0.0080 U	0.021 U
1,2,3,4,6,7,8-HpCDF	0.42 U	0.061 UL	0.025 U	0.0044 UL	0.0060 U	0.0097 U	0.096 UL	0.0080 U	0.0092 U	0.018 U	0.0080 U	0.021 U
1,2,3,4,7,8,9-HpCDF	0.42 U	0.061 U	0.025 U	0.0044 UL	0.0060 U	0.0097 U	0.096 UL	0.0080 U	0.0092 U	0.018 U	0.0080 U	0.021 U

ON-SITE POND BORING SAMPLES

DIOXIN AND FURAN ANALYTICAL RESULTS

ERM Midwest Sample Number RNS-	TP-23-105	TP-23-12.5	SB-24-3	SB-24-6	SB-24-8	SB-27-03	SB-30-103	SB-30-3	SB-30-6	SB-30-9	SB-36-3	SB-40-3
Units	ng/L	ng/g	ng/g	ng/g	ng/g	ng/g	ng/L	ng/g	ng/g	ng/g	ng/g	ng/g
OCDF	0.95 U	0.16 U	0.091 U	0.013 UL	0.023 U	0.021 U	0.35 UL	0.029 U	0.024 U	0.089 U	0.046 U	0.049 U
Date Sample Received by Laboratory	8/2/90	8/2/90	7/3/90	7/10/90	7/5/90	7/14/90	7/3/90	7/3/90	7/3/90	7/3/90	6/29/90	7/3/90
Date Sample Extracted	8/9/90	8/9/90	7/11/90	7/25/90	7/12/90	7/18/90	7/11/90	7/11/90	7/11/90	7/11/90	7/6/90	7/11/90
Date Sample Analyzed	8/21/90	8/21/90	7/20/90	8/3/90	7/23/90	7/23/90	7/20/90	7/20/90	7/23/90	7/20/90	7/19/90	7/20/90

ON-SITE POND BORING SAMPLES

DIOXIN AND FURAN ANALYTICAL RESULTS

ERM Midwest Sample Number RNS-	SB-43-03	TP-49-12.5
Units	ng/g	ng/g
DIOXINS AND FURANS		
Total TCDD	0.0089 U	0.019 U
2,3,7,8-TCDD	0.0089 U	0.019 U
Total PeCDDs	0.019 U	0.076 U
1,2,3,7,8-PeCDD	0.019 U	0.076 U
Total HxCDDs	0.013 U	0.11 U
1,2,3,4,7,8-HxCDD	0.013 U	0.11 U
1,2,3,6,7,8-HxCDD	0.013 U	0.11 U
1,2,3,7,8,9-HxCDD	0.013 U	0.11 U
Total HpCDDs	0.014 U	0.028 U
1,2,3,4,6,7,8-HpCDD	0.014 U	0.028 U
OCDD	0.58	0.085 U
Total TCDFs	0.0039 U	0.026 U
2,3,7,8-TCDF	0.0039 U	0.026 U
Total PeCDFs	0.0068 U	0.023 U
1,2,3,7,8-PeCDF	0.0068 U	0.023 U
2,3,4,7,8-PeCDF	0.0068 U	0.023 U
Total HxCDFs	0.0064 U	0.055 U
1,2,3,4,7,8-HxCDF	0.0064 U	0.055 U
1,2,3,6,7,8-HxCDF	0.0064 U	0.055 U
2,3,4,6,7,8-HxCDF	0.0064 U	0.055 U
1,2,3,7,8,9-HxCDF	0.0064 U	0.055 U
Total HpCDFs	0.0074 U	0.034 U
1,2,3,4,6,7,8-HpCDF	0.0074 U	0.034 U
1,2,3,4,7,8,9-HpCDF	0.0074 U	0.034 U

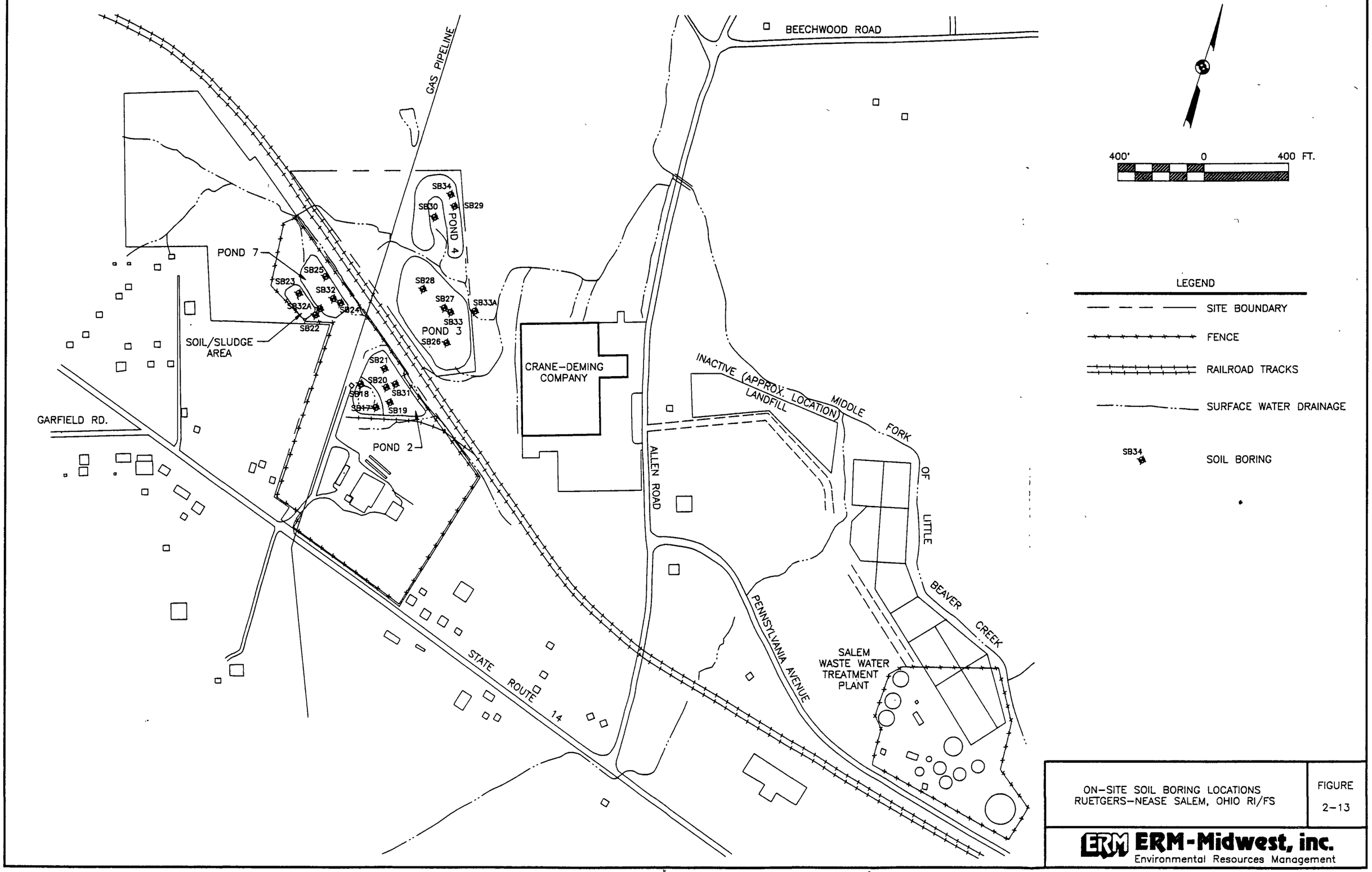
ON-SITE POND BORING SAMPLES

DIOXIN AND FURAN ANALYTICAL RESULTS

ERM Midwest Sample Number RNS-	SB-43-03	TP-49-12.5
Units	ng/g	ng/g
OCDF	0.023 U	0.11 U
Date Sample Received by Laboratory	7/17/90	8/2/90
Date Sample Extracted	7/19/90	8/9/90
Date Sample Analyzed	7/24/90	8/21/90

ON-SITE POND BORING PHYSICAL PARAMETERS

- GRAIN SIZE
- MOISTURE CONTENT
- PERMEABILITY
- SPECIFIC GRAVITY
- ATTERBURG LIMITS
- POROSITY



ON–SITE SOIL BORING LOCATIONS
RUETGERS–NEASE SALEM, OHIO RI/FS

FIGURE 2–13

ERM ERM-Midwest, inc.
Environmental Resources Management

PROJECT\202-01-07\07FG2-13.DWG

LABORATORY TEST PROCEDURES

RUTGERS - NEASE
SALEM , OHIO
L- 12110

1. The following tests were performed with the noted ASTM test designation:

TEST	ASTM DESIGNATION
Grain Size	D422-63 (Sieve Only)
Moisture Content	D2216-80
Permeability Test	(See Item 2)
Specific Gravity	D854-83
Liquid and Plastic Limits	D4318-84
Porosity	(See Item 3)

2. Test Procedures for Permeability Tests

Test samples were performed on full diameter samples (2.87-inch diameter and 5.75-inch length) or were trimmed in a vertical lathe to dimensions of approximately 2.00-inch diameter and 4.00-inch length. Water contents were obtained from trimmings adjacent to the test sample, the specimen's weight was determined, and its dimensions verified.

After trimming, the test specimen was placed on a previously de-aired triaxial cell base and porous stone. A membrane was added and the sample was sealed top on bottom by "O" rings.

Samples were back pressured under a small effective stress to create complete saturation of the samples. The chamber pressure was then increased such that the desired consolidation effective stress was obtained. This effective consolidation stress was allowed to act for 24 hours±. During the consolidation phase, readings of volume change versus time were recorded.

After consolidation, the response of the soil samples was checked by increasing the cell pressure and monitoring the pore pressure. Where required, additional back pressure was applied so as to achieve a pore pressure response equal to or greater than 95 percent. When the desired saturation was achieved, the samples were attached to the permeability apparatus and tested in accordance with procedures described in the Army Corps of Engineers Manual EM 1110-2-1906, Appendix VII, pages VII 17 through VII 22, Number 7, "Falling Head Permeability Test with Back Pressure." Records of head change vs time were recorded for the test with the permeability value reported being the average of several consistent values obtained during the test.

3. Porosity was calculated using the following equation

$$e = \frac{Vv}{Vs} \qquad n = \frac{e}{1+e}$$

Where $$Vs = \frac{Ws}{Gs \cdot w}$$

$$Vv = 1 - Vs$$

Enseco
A CORNING Company

February 5, 1991

Mr. Brian Greene
Ruetgers-Nease Chemical Company
201 Struble Road
State College, PA 16801

Dear Brian:

Enclosed are the results of the analyses for Salem RI (Physical Parameters 12/06/90). This project was received at Enseco - Erco Laboratory on December 7, 1990, and was processed for an extended turnaround time and in accordance with CLP analyses and reporting protocols, where applicable. This letter authorizes the release of the analytical results and should be considered an integral part of this report.

Please refer to this project by the Enseco project number 008169 to expedite any further discussions. I will be happy to address any questions or concerns that you may have.

Sincerely,

Catherine M. Flaherty
Program Administrator

Encl.

Enseco Incorporated
205 Alewife Brook Parkway
Cambridge, MA 02138
617/661-3111 617/354-5258

Enseco
A CORNING Company

November 16, 1990

Mr. Brian Greene
Ruetgers-Nease Chemical Company
201 Struble Road
State College, PA 16801

Dear Brian:

Enclosed are the results of the analyses for Salem RI (07/19/90 - Physical Parameters). This project was received at Enseco - Erco Laboratory on July 19, 1990, and was processed for an extended turnaround time and in accordance with CLP analyses and reporting protocols, where applicable. This letter authorizes the release of the analytical results and should be considered an integral part of this report.

The analyses in the enclosed report were subcontracted to Goldberg-Zoino & Associates, Inc. (GZA) located in Newton Upper Falls, MA. GZA did not provide raw data with the analytical results and based on a telephone discussion with Rock Vitale on November 16, this data will not be submitted to Environmental Standards, Inc. for validation. Please notify me if a copy of this data is required to be submitted to Environmental Standards, Inc.

Please refer to this project by the Enseco project number 006684 to expedite any further discussions. I will be happy to address any questions or concerns that you may have.

Sincerely,

Catherine M. Flaherty
Program Administrator

Encl.

Enseco Incorporated
205 Alewife Brook Parkway
Cambridge, MA 02138
617/661-3111 617/354-5258

Project Name RUETGERS-NEASE
SALEM, OHIO

LABORATORY TESTING DATA SUMMARY

Reviewed by _____
Date _____

Project No. L12110 Project Engr. J. KERWIN Assigned By C. FLAHERTY Date Assigned DEC.90 Required _____

Sample ID	Depth ft.	Lab No.	IDENTIFICATION TESTS: Water Content %	LL %	PL %	Sieve -200 %	Hyd -2μ %	Porosity %	G_s	Dry unit wt. pcf	DENSITY: MAX (pcf) / W_{opt} (%)	Permeability cm/sec	STRENGTH TESTS: Torvane or Type Test	$\bar{\sigma}_c$ psf	Failure Criteria	$\sigma_1 - \sigma_3$ or τ psf	Strain %	CONSOL.: $\frac{C_c}{1 + e_0}$	Laboratory Log and Soil Description
RNS-SB-32N-8 POND - 7	6.0-8.0	41	AVERAGE TOTAL UNIT WEIGHT (6.0-7.7') = 108.1 Pcf																White Organic Silt (OH) (SLUDGE) @ 6.7' Depth Change to: Brown Lean Clay (CL)
	6.4		152																
	6.8		17.7																
	7.1		17.0																
	7.1-7.4		16.4					35	*	117.1		4.5 X EE-08	K	720					* Used Average Gs from lab-#'s 42-49 to Calculate Porosity. (Assumed Gs = 2.66)
	7.5		15.8																
RNS-SB-32N-9 POND - 7	8.0-9.5	42	AVERAGE TOTAL UNIT WEIGHT (8.0-9.5') = 121.3 Pcf																Brown Organic Silt (OH) (Wash ??) @ 8.3' Depth Change to: Brown Lean Clay (CL)
	8.1		74.9																
	8.6		14.6																
	8.7-8.9		14.7					29	*	120.8		1.5 X EE-07	K	720					* Used Gs from Lab # 27 to Calculate Porosity (Gs = 2.73)
	9.0		14.0																

GZA GEOENVIRONMENTAL, INC.
ENGINEERS AND SCIENTISTS

Project Name RUETGERS-NEASE
SALEM, OHIO

LABORATORY TESTING DATA SUMMARY

Reviewed by _____
Date _____

Project No. L12110 Project Engr. J. KERWIN Assigned By C. FLAHERTY Date Assigned DEC.90 Required _____

Sample ID	Depth ft.	Lab No.	IDENTIFICATION TESTS: Water Content %	LL %	PL %	Sieve -200 %	Hyd -2μ %	Porosity %	G_s	Dry unit wt. pcf	DENSITY: MAX (pcf) / W_{opt} (%)	Permeability cm/sec	STRENGTH TESTS: Torvane or Type Test	$\bar{\sigma}_c$ psf	Failure Criteria	$\sigma_1 - \sigma_3$ or τ psf	Strain %	CONSOL. $C_c / (1 + e_0)$	Laboratory Log and Soil Description
RNS-SB-31N-5 POND - 2	3.0-5.0	43	AVERAGE TOTAL UNIT WEIGHT (3.0-4.7') =113.0 Pcf																
	3.1		28.0																Brown Lean Clay with Sand (CL)
	3.4-3.7		29.5					45	*	91.3		1.6 X EE-07	K	720					
	3.9		30.7																* Used Gs from Lab # 19 to Calculate Porosity (Gs = 2.67)
	4.5		23.5																
RNS-SB-31N-13 POND - 2	11.0-13.0	44	AVERAGE TOTAL UNIT WEIGHT (11.0-11.9) = 127.3 Pcf																
	11.1		15.3																Brown Lean Clay with Sand (CL)
	11.5		16.5																Note: Entire Sample Disturbed

GZA GEOENVIRONMENTAL, INC.
ENGINEERS AND SCIENTISTS

Project Name RUETGERS-NEASE
SALEM, OHIO

LABORATORY TESTING DATA SUMMARY

Reviewed by _____
Date _____

Project No. L12110 Project Engr. J. KERWIN Assigned By C. FLAHERTY Date Assigned DEC.90 Required _____

Sample ID	Depth ft.	Lab No.	IDENTIFICATION TESTS: Water Content %	LL %	PL %	Sieve -200 %	Hyd -2μ %	Porosity %	G_s	Dry unit wt. pcf	DENSITY: MAX (pcf) / W_{opt} (%)	Permeability cm/sec	STRENGTH TESTS: Torvane or Type Test	$\bar{\sigma}_c$ psf	Failure Criteria	$\sigma_1 - \sigma_3$ or τ psf	Strain %	CONSOL. $\frac{C_c}{1+e_0}$	Laboratory Log and Soil Description
RNS-SB-34-11.5	9.5-11.5	45	AVERAGE TOTAL UNIT WEIGHT (9.5-10.9') = 131.1 Pcf																
POND - 4	9.6		14.9																Grey Brown Sandy Silt (ML)
	9.6-9.8		15.5					29		117.6		1.5 X EE-07	K	720					
	9.9		17.1																
	9.9-10.2		14.0	16	15	51			2.64										
	10.5		14.2																
RNS-SB-34-14 POND - 4	12.0-14.0	46	AVERAGE TOTAL UNIT WEIGHT (12.0-12.9') = 119.5																Grey Brown Sandy Silt (ML)
	12.1		16.4																
	12.1-12.4		16.1	18	16	60			2.63										Note : Shelby Tube Dented from 13'-14' Depth, Sample not extruded.
	12.5		15.3																
	12.6-12.9		16.7					32		111.3		2.0 X EE-06	K	720					

GZA GEOENVIRONMENTAL, INC.
ENGINEERS AND SCIENTISTS

Project Name RUETGERS-NEASE
SALEM, OHIO

LABORATORY TESTING DATA SUMMARY

Reviewed by _____
Date _____
Required _____

Project No. L12110 Project Engr. J. KERWIN Assigned By C. FLAHERTY Date Assigned DEC.90

Sample ID	Depth ft.	Lab No.	IDENTIFICATION TESTS: Water Content %	LL %	PL %	Sieve -200 %	Hyd -2μ %	Porosity %	G_s	Dry unit wt. pcf	DENSITY: MAX (pcf) / W_{opt} (%)	Permeability cm/sec	STRENGTH TESTS: Torvane or Type Test	$\bar{\sigma}_c$ psf	Failure Criteria	$\sigma_1 - \sigma_3$ or τ psf	Strain %	CONSOL.: C_c / $1 + e_0$	Laboratory Log and Soil Description
RNS-SB-33N-4 POND - 3	2.0-4.0	47	AVERAGE TOTAL UNIT WEIGHT (2.0-3.7') = 92.6 Pcf																
	2.2-2.3		117																Tan & White Organic Silt (OH) (SLUDGE)
	2.7		180																@ 30.2' Depth Change to: Brown Lean Clay with Sand (CL)
	2.8-3.0		Save																
	3.2-3.4			43	19	74			2.70										
	3.5-3.7		27.4					41		100.0		2.5 X EE-08	K	720					
RNS-SB-33B-8 EDGE - POND 3	6.0-8.0	48	AVERAGE TOTAL UNIT WEIGHT (6.0-7.6') = 128.9 Pcf																
	6.1		25.7																@ 6' Depth Sample is Yellow Brown, Grading to Brown @6.5' Depth. Entire Sample has a Mottled Grey Pattern.
	6.6		18.7																
	6.8-7.0		14.9					29		116.3		2.5 X EE-07	K	720					Yellow Brown, Mottled Grey Sandy Silty Clay (CL-ML)
	7.0-7.2		14.6	23	16	67			2.61										
	7.2-7.6		Save																

Project Name RUETGERS-NEASE
SALEM, OHIO

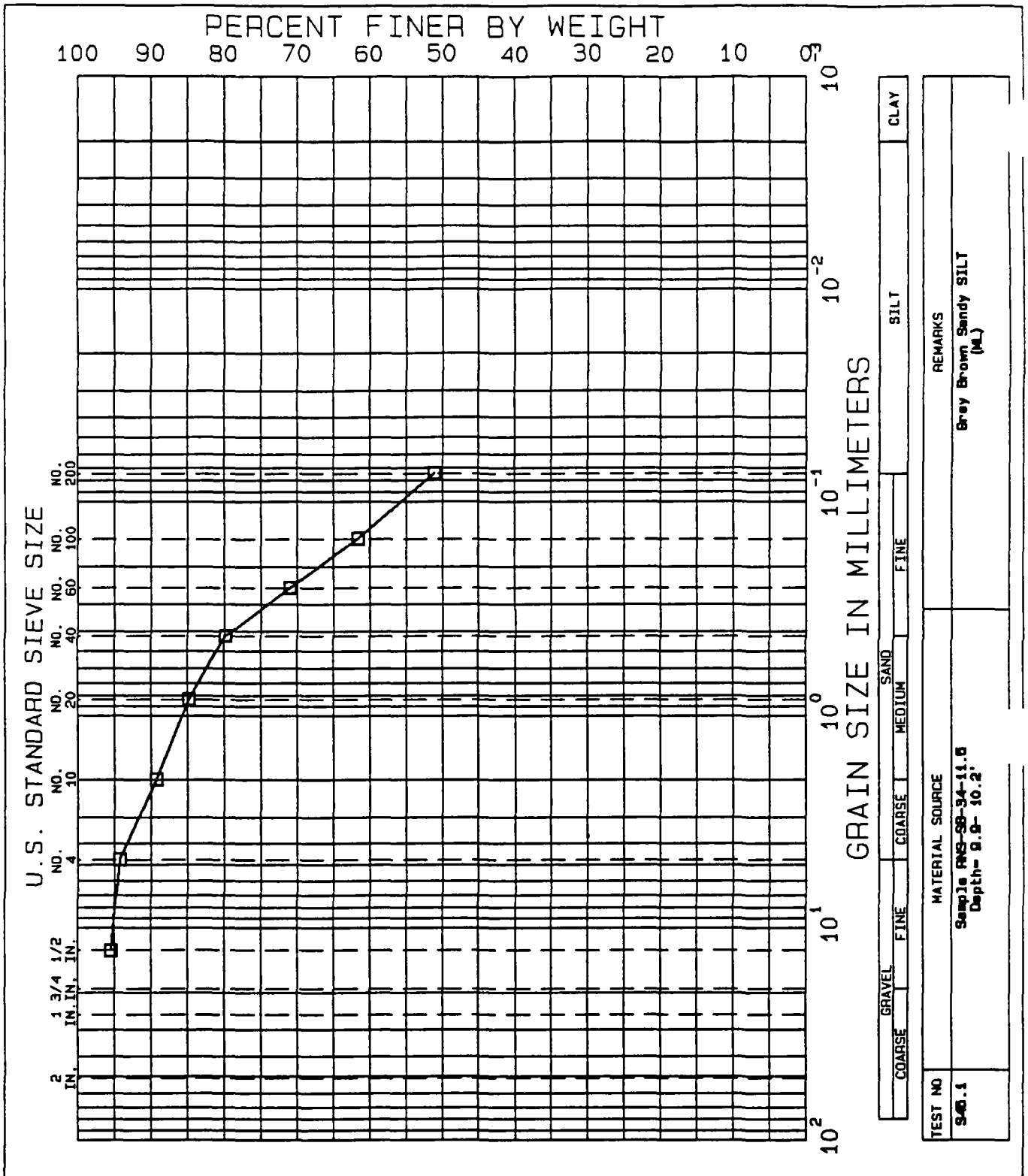
LABORATORY TESTING DATA SUMMARY

Reviewed by _____
Date _____
Required _____

Project No. L12110 Project Engr. J. KERWIN Assigned By C. FLAHERTY Date Assigned DEC.90

Sample ID	Depth ft.	Lab No.	IDENTIFICATION TESTS: Water Content %	LL %	PL %	Sieve -200 %	Hyd -2μ %	Porosity %	G_s	Dry unit wt. pcf	DENSITY: MAX (pcf) / W_{opt} (%)	Permeability cm/sec	STRENGTH TESTS: Torvane or Type Test	$\bar{\sigma}_c$ psf	Failure Criteria	$\sigma_1 - \sigma_3$ or τ psf	Strain %	CONSOL.: $C_c / (1 + e_0)$	Laboratory Log and Soil Description
RNS-SB-34N-9.5	7.5-9.5	49	AVERAGE TOTAL UNIT WEIGHT (7.5-7.9) = 121.6 Pcf																
POND - 4	7.5-7.9		26.1	34	21	63			2.61		(TRIM)								Brown Sandy Lean Clay (CL)
	7.5-7.9		23.7					39		99.4		6.0 X EE-07	K	720					

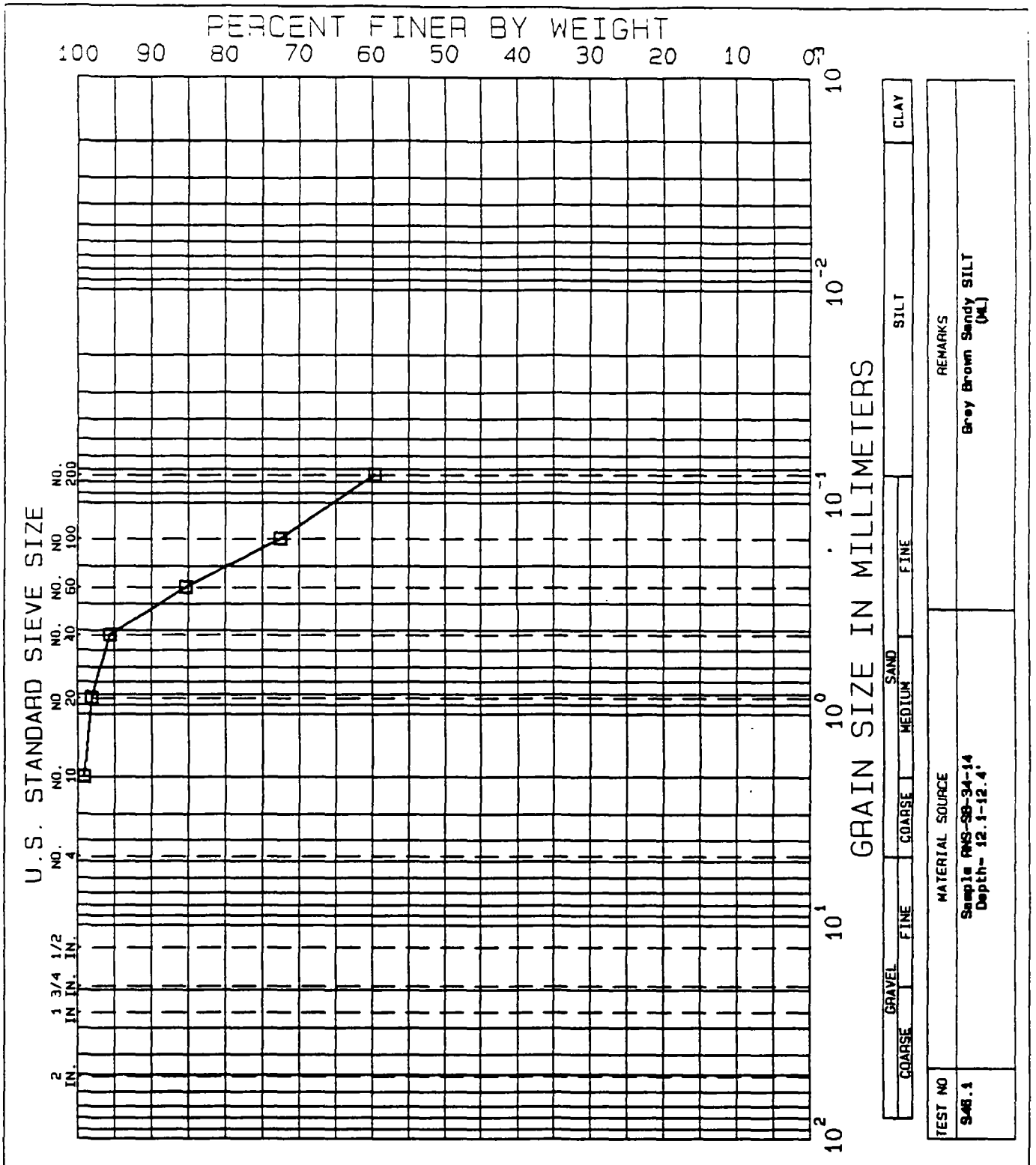
GZA GEOENVIRONMENTAL, INC.
ENGINEERS AND SCIENTISTS



RUETGERS-NEASE
SALEM OHIO
GRADATION TESTS

BORING NO. SB-34
SAMPLE
DEPTH 9.9-10.2'
TECH. MCM
REVIEWER JK

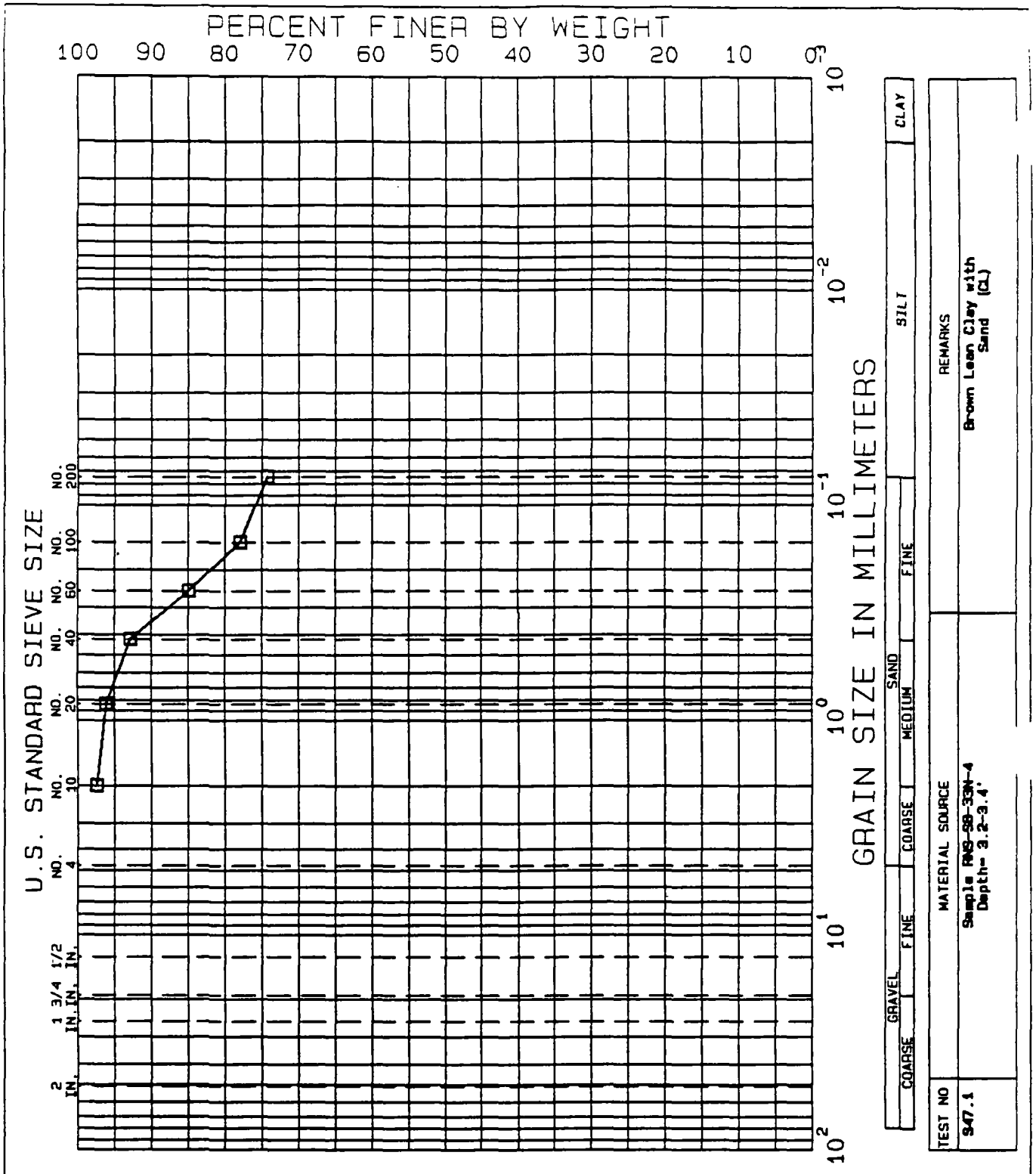
TEST SERIES NO. 46
DATE Jan. 91
FILE L12110



RUETGERS-NEASE
SALEM OHIO
GRADATION TESTS

BORING NO. SB-34
SAMPLE
DEPTH 12.1-12.4'
TECH. MCM
REVIEWER JK

TEST SERIES NO. 46
DATE Jan. 91
FILE L12110

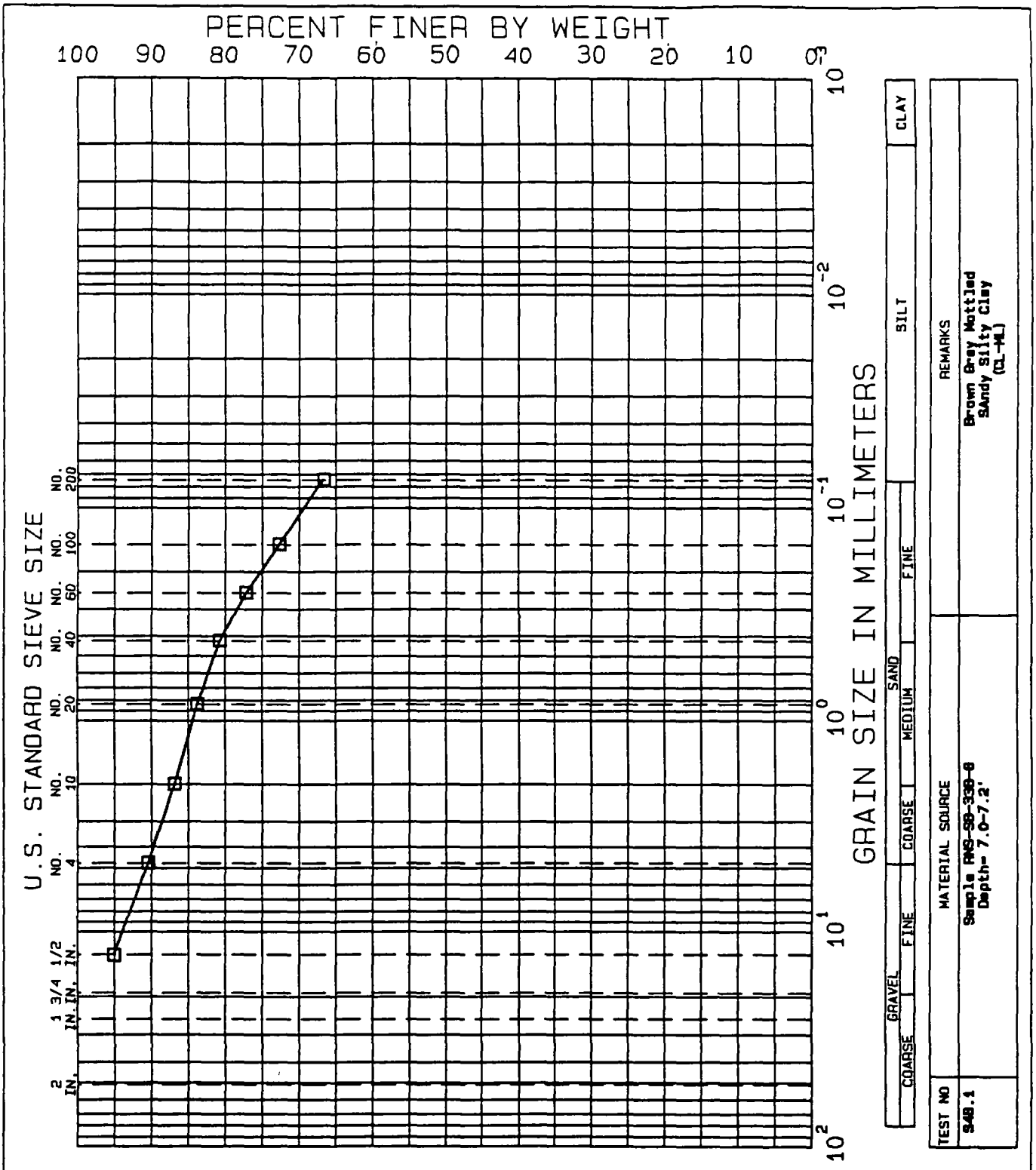


RUETGERS-NEASE
SALEM OHIO
GRADATION TESTS

BORING NO. SB-33N
SAMPLE
DEPTH 3.2-3.4'.
TECH. MCM
REVIEWER JK

TEST SERIES NO. 47
DATE Jan. 91

FILE L12110

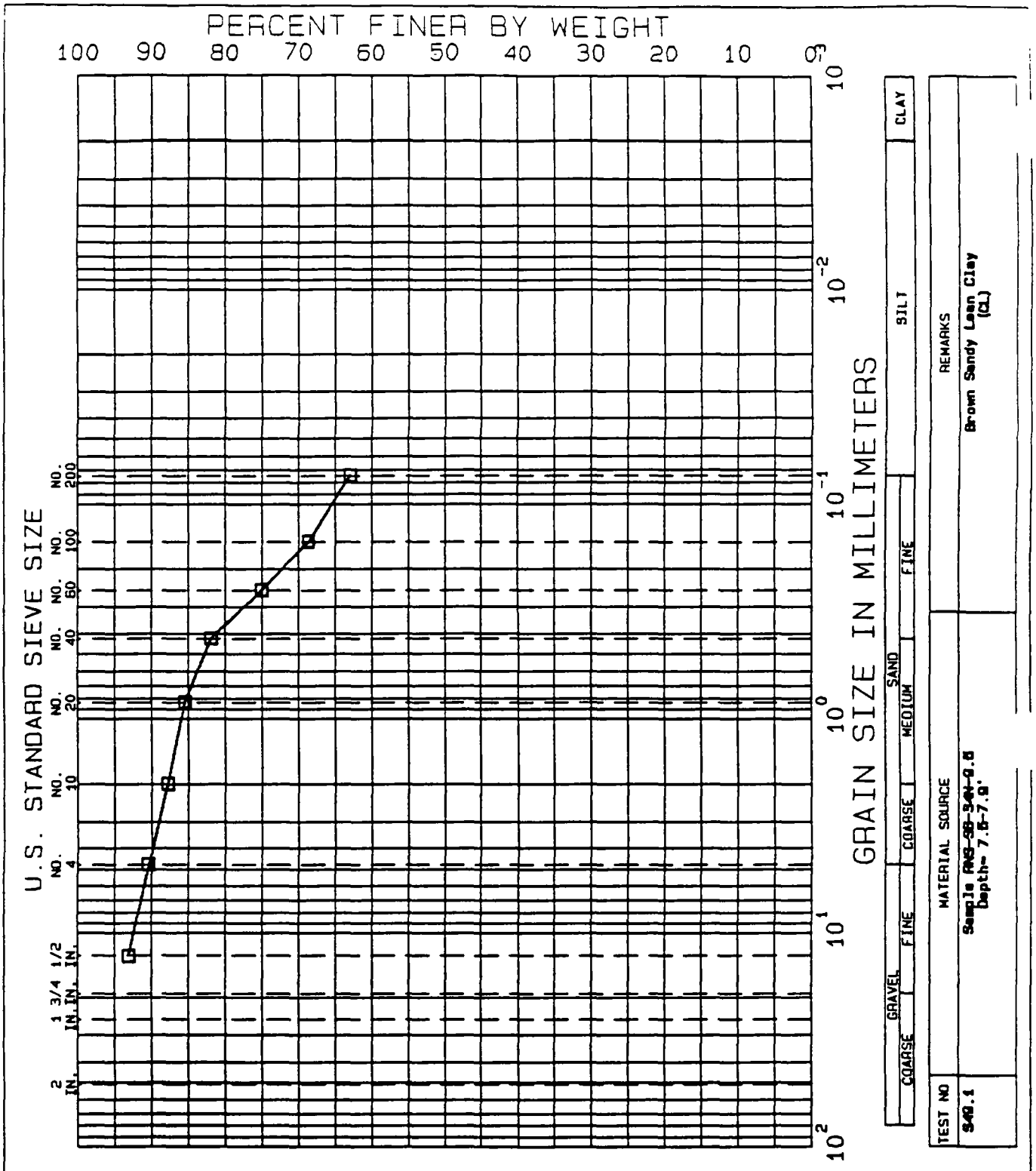


RUETGERS-NEASE
SALEM OHIO
GRADATION TESTS

BORING NO. SB-33B
SAMPLE
DEPTH 7.0-7.2'
TECH. MCM
REVIEWER JK

TEST SERIES
NO. 48
DATE Jan. 91

FILE L12110



RUETGERS-NEASE
SALEM OHIO
GRADATION TESTS

BORING NO. SB-34N
SAMPLE
DEPTH 7.5-7.9'
TECH. MCM
REVIEWER JK

TEST SERIES NO 49
DATE Jan. 91
FILE L12110

ERM-Midwest, inc.

450 W Wilson Bridge Road • Worthington OH 43085 • (614) 433-7900 • Telefax (614) 433-0886

CHAIN OF CUSTODY RECORD

Project No./I.D. Rustars-Nease Salem RI/FS 202-01-7 Sheet 2 of 2
Sampled By RAF, BAA, RED Bottles Supplied By Mathes/Brewer-Monnes
NOTE: When analyses are complete return this form to:
Name: Ken Richards @ ERM-Midwest, Inc., Columbus, Ohio

Sample I.D.	Sample Description	Collection Date/Time	No. of bottles	Analysis Requested	Remarks Down Pressure
RNS-SB-32N-8	Shelby Tube - Pond 7	11/28/90 1020	1	Permeability	1000 psi.
RNS-SB-32N-9	Shelby Tube - Pond 7	11/28/90 1045	1	"	2000 psi
RNS-SB-31N-5	Shelby Tube - Pond 2	12/6/90 1005	1	"	—
RNS-SB-31N-13	Shelby Tube - Pond 2	12/6/90 1030	1	"	600 psi

Shipping package opened by: N/A Date: _____ Time: _____
Employer: _____ Containers intact (Y/N) _____

Samples packaged & sealed by: Brent A. Auger Date: 12/6/90 Time: 1730
Employer: ERM-Midwest Method of Shipment: Federal Express Overnight

Received in laboratory by: John Kerwin Date: 12/7/90 Time: AM
Employer: GZA Seals intact (Y/N) ✓
Containers intact (Y/N) ✓ If not, describe in Comments section

NOTE: Laboratory's Chain of Custody shall be in effect from receipt through analysis.

Relinquished By		Received By		Samples Intact	Date	Time	Initials	
Name	Employer	Name	Employer				Sender	Rec'r
BA	ERM-MW						BA	

COMMENTS:

Permeability - U.S. Army Corps. EM-1110-2-1906

Return cooler to Erco, Cambridge

Copies: White - Project file; Yellow - Client; Pink - Sampler

ERM-Midwest, inc.

450 W Wilson Bridge Road • Worthington OH 43085 • (614) 433-7900 • Telefax (614) 433-0886

CHAIN OF CUSTODY RECORD

Project No./I.D. Rutgers-Necse Salem RI/FS 202-01-7 Sheet 1 of 2
Sampled By RAF, BAA, RDD Bottles Supplied By Mathes/Bowser-Morner
NOTE: When analyses are complete return this form to:
Name: Ken Richards @ ERM-Midwest, Inc., Columbus, Ohio

Sample I.D.	Sample Description	Collection Date/Time	No. of bottles	Analysis Requested	Remarks Drum Pressure
RNS-SB-34-11.5	Shelby Tube - Pond 4	11/30/90 1215	1	All tests listed below	—
RNS-SB-34-14	Shelby Tube - Pond 4	11/30/90 1215	1	"	—
RNS-SB-35N-4	Shelby Tube - Pond 3	11/30/90 0750	1	"	300 psi
RNS-SB-33B-8	Shelby Tube - Edge of Pond 3	12/6/90 1640	1	"	30-600 psi
RNS-SB-34N-9.5	Shelby Tube - Pond 4	12/6/90 1540	1	"	300 psi

Shipping package opened by: N/A Date: _____ Time: _____
Employer: _____ Containers intact (Y/N) _____

Samples packaged & sealed by: Brent A Auer Date: 12/6/90 Time: 1730
Employer: ERM-Midwest Method of Shipment: Federal Express Overnight

Received in laboratory by: John Keenan Date: 12/7/90 Time: AM
Employer: GZA Seals intact (Y/N) / ✓
Containers intact (Y/N) ✓ If not, describe in Comments section

NOTE: Laboratory's Chain of Custody shall be in effect from receipt through analysis.

Relinquished By		Received By		Samples Intact	Date	Time	Initials	
Name	Employer	Name	Employer				Sender	Rec'r
BA	ERM-MW						BA	

COMMENTS:

Soil classification - ASTM-D-2487
Specific gravity - ASTM-D-854
Permeability - U.S. Army Corps. EM-1110-2-1906
Effective porosity - calculated by density, specific gravity, and unit weight.
Particle (Grain) size - ASTM-422
Moisture content - ASTM-D-2216
Atterberg Limits - ASTM-D-4318

Return cooler to Erco, Cambridge.

Copies: White - Project file; Yellow - Client; Pink - Sampler

Project Name RUTGERS-NEASE
SALEM, OHIO

LABORATORY T NG DATA SUMMARY

Reviewed by _____
Date _____

Project No. L-12110 Project Engr. J. KERWIN Assigned By C. FLAHERTY Date Assigned NOV 90 Required _____

Sample ID	Depth ft.	Lab No.	IDENTIFICATION TESTS: Water Content %	LL %	PL %	Sieve -200 %	Hyd -2μ %	Porosity %	G_s	Dry unit wt. pcf	DENSITY: MAX (pcf) / W_{opt} (%)	Permeability cm/sec	STRENGTH TESTS: Torvane or Type Test	$\bar{\sigma}_c$ psf	Failure Criteria	$\sigma_1 - \sigma_3$ or τ psf	Strain %	CONSOL.: $\frac{C_c}{1 + e_0}$	Laboratory Log and Soil Description
RNS-SB-31 POND - 2	1.0-2.5	18	Average Total Unit Weight (1.0-2.3') = 125.1 Pcf																Brown Gravelly Lean Clay with Sand (CL)
	1.3		13.6																
	1.4-1.7		15.3					33		112.4		3.0 x EE-06	K	720					
	1.7		13.6																
	1.8-2.1		11.3	29	19	52			2.69										
	2.1		16.1																
	3.0-5.0	19																	Brown Sandy Lean Clay (CL)
	3.0-3.3		13.1	28	19	66			2.67										Note: Insufficient sample available to perform all tests
	9.0-11.0	21																	Brown Lean Clay (CL)
	9.2		31.9																
	9.2-9.5		24.4					41		100.7		5.0 x EE-07	K	720					
	9.5-9.8		32.1	42	22	88			2.73										

Project Name RUTGERS-NEASE
SALEM, OHIO

LABORATORY TESTING DATA SUMMARY

Reviewed by _____
Date _____

Project No. L-12110 Project Engr. J. KERWIN Assigned By C. FLAHERTY Date Assigned NOV 90 Required _____

Sample ID	Depth ft.	Lab No.	IDENTIFICATION TESTS: Water Content %	LL %	PL %	Sieve -200 %	Hyd -2μ %	Porosity %	G_s	Dry unit wt. pcf	DENSITY: MAX (pcf) / W_{opt} (%)	Permeability cm/sec	STRENGTH TESTS: Torvane or Type Test	$\bar{\sigma}_c$ psf	Failure Criteria	$\sigma_1 - \sigma_3$ or τ psf	Strain %	CONSOL. $C_c / (1 + e_0)$	Laboratory Log and Soil Description
RSN-SB-31 POND - 2	11.0-13.0	16																	
	11.1		11.2																Brown Sandy Lean Silty Clay with Gravel (CL-ML)
	11.1-11.5		13.4	22	16	60			2.67										Note: Insufficient sample available to perform all tests
	13.0-15.0	17	Average Total Unit Weight (13.0-14.0') = 130.5 Pcf																
	13.2-13.5		17.9	34	21	81			2.74										Brown Lean Clay with Sand (CL)
	13.5-13.7		14.9					30		120.7		8.0 x EE-08	K	806					
	13.8		17.1																
	15.0-16.0	20	Average Total Unit Weight (15.0-16.0') = 132.0 Pcf																
	15.2		14.6																Brown Silty Sand (SM) @16.6' Change to: Brown Clayey Sand with Gravel (SC)
	15.6		9.3																
	15.6-15.9		13.3	26	18	38		28	2.72	123.0		2.0 x EE-07	K	864					
	16.0		9.7																

Project Name RUTGERS-NEASE
SALEM, OHIO

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Sample ID	Depth ft.	Lab No.	IDENTIFICATION TESTS: Water Content %	LL %	PL %	Sieve -200 %	Hyd -2μ %	Porosity %	G_s	Dry unit wt. pcf	DENSITY: MAX (pcf) / W_{opt} (%)	Permeability cm/sec	STRENGTH TESTS: Torvane or Type Test	$\bar{\sigma}_c$ psf	Failure Criteria	$\sigma_1 - \sigma_3$ or τ psf	Strain %	CONSOL. $\frac{C_c}{1+e_0}$	Laboratory Log and Soil Description
RNS-SB-32 POND - 7	0.0-2.0	25	Average Total Unit Weight (0.0-0.8') = 74.7 Pcf																
	0.2		132																Tan & White Organic Silt (OH) (SLUDGE)
	0.3-0.6		120	75	71	99			3.12										Note: Sample Slumped on extrusion, Permeability test could not be done
	0.6		110																
	6.0-8.0	26	Average Total Unit Weight (6.0-7.4') = 89.8 Pcf																
	6.3-6.6		128	Non-Plastic		93			3.15										Grey Brown Organic Silt (OH) (SLUDGE)
	6.6		140																Note: Sample slumped on extrusion, Permeability test could not be done
	7.0		138																
	8.0-9.7	27																	Black Organic Silt (OH) (SLUDGE)
	8.0-8.5		132																
	8.7		16.9																@8.6' Change to: Brown Lean Clay (CL)
	9.3		24.7																Note: Entire Sample disturbed
	9.3-9.7		21.8	27	19	96			2.73										

GOLDBERG-ZOINO & ASSOCIATES, INC.
GEOTECHNICAL-GEOHYDROLOGICAL CONSULTANTS

Project Name RUTGERS-NEASE
SALEM, OHIO

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Reviewed by _____
Date _____
Required _____

Project No. L-12110 Project Engr. J. KERWIN Assigned By C. FLAHERTY Date Assigned NOV 90

Sample ID	Depth ft.	Lab No.	IDENTIFICATION TESTS: Water Content %	LL %	PL %	Sieve -200 %	Hyd -2μ %	Porosity %	G_s	Dry unit wt. pcf	DENSITY: MAX (pcf) / W_{opt} (%)	Permeability cm/sec	STRENGTH TESTS: Torvane or Type Test	$\bar{\sigma}_c$ psf	Failure Criteria	$\sigma_1 - \sigma_3$ or τ psf	Strain %	CONSOL. $C_c / (1 + e_0)$	Laboratory Log and Soil Description
RNS-SB-32A POND - 7	16.0-18.0	23	Average Total Unit Weight (16.0-17.6') = 141.0 Pcf																
	16.5		11.9																Brown Sandy Lean Clay (CL)
	16.5-17.0		13.3					26		122.9		3.0 x EE-08	K	720					
	17.0		12.0																
	17.1-17.4		11.7	19	10	55			2.66										
	18.0-20.0	24																	Brown Sandy Lean Clay (CL)
	18.5		13.0																
	19.0		11.5																
	19.0-19.3		10.5	20	12	64			2.71										
	19.3-19.6		15.1					30		118.4		3.5 x EE-08	K	720					
	20.0-21.0	35																	Sample could not be extruded. Tube severely dented and distorted

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Project Name RUTGERS-NEASE
SALEM, OHIO

LABORATORY TESTING DATA SUMMARY

Reviewed by _____
Date _____

Project No. L-12110 Project Engr. J. KERWIN Assigned By C. FLAHERTY Date Assigned NOV 90 Required _____

Sample ID	Depth ft.	Lab No.	IDENTIFICATION TESTS: Water Content %	LL %	PL %	Sieve -200 %	Hyd -2μ %	Poro sity %	G_s	Dry unit wt. pcf	DENSITY: MAX (pcf) / W_{opt} (%)	Perme-ability cm/sec	STRENGTH TESTS: Torvane or Type Test	$\bar{\sigma}_c$ psf	Failure Criteria	$\sigma_1 - \sigma_3$ or τ psf	Strain %	CONSOL.: $C_c / (1 + e_0)$	Laboratory Log and Soil Description
RNS-SB-33 POND - 3	0.0-2.0	28	Average Total Unit Weight (0.0-1.0') = 78.7 Pcf																
	0.1		100																Orange, Black, Brown & White Organic Silt (OH) (SLUDGE)
	0.1-0.4		95.6					80		39.9		5.0 x EE-04	K	720					
	0.5		171																
	0.5-0.8		140	107	82	98			3.22										
	2.0-4.0	29																	Sample could not be extruded. Tube severely dented and distorted
	4.0-6.0	30																	Black Organic Silt (OH) (SLUDGE)
	4.5		172																@4.7' Change to: Brown Clayey Sand with Gravel (SC)
	4.7-5.0		19.0	36	21	36			2.74										
	5.0		14.9																
	5.0-5.4		16.7					34		112.0		3.0 x EE-06	K	720					
	5.5		16.1																

GOLDBERG-ZOINO & ASSOCIATES, INC.
GEOTECHNICAL-GEOHYDROLOGICAL CONSULTANTS

Project Name RUTGERS-NEASE
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Date _____

Project No. L-12110 Project Engr. J. KERWIN Assigned By C. FLAHERTY Date Assigned NOV 90 Required _____

Sample ID	Depth ft.	Lab No.	IDENTIFICATION TESTS: Water Content %	LL %	PL %	Sieve -200 %	Hyd -2μ %	Poro sity %	G_s	Dry unit wt. pcf	DENSITY: MAX (pcf) / W_{opt} (%)	Perme-ability cm/sec	STRENGTH TESTS: Torvane or Type Test	$\bar{\sigma}_c$ psf	Failure Criteria	$\sigma_1 - \sigma_3$ or τ psf	Strain %	CONSOL.: C_c / $1 + e_0$	Laboratory Log and Soil Description
RNS-SB-33 POND - 3	6.0-7.5	31	Average Total Unit Weight (6.0-7.6') = 124.3 Pcf																Brown Fat Clay (CH)
	6.1		24.9																
	6.1-6.4		25.4	50	24	99			2.72										
	6.4-6.8		24.2					41		100.9		5.0 x EE-08	K	720					
RNS-SB-33A POND - 3	0.0-2.0	32																	Brown Sandy Lean Clay (CL) Note: Many vertical roots, root holes
	0.2		18.0																
	0.8		22.8																
	0.8-1.1		31.6					48		86.8		1.0 x EE-05	K	720					
	1.1-1.4		19.1	33	19	64			2.69										
	2.0-4.0	33	Average Total Unit Weight (2.0-3.5') = 130.7 Pcf																Brown Lean Clay with Sand (CL)
	2.5		16.5																
	2.5-2.7		16.7	32	17	76			2.73										
	2.7		16.7																
	2.8-3.1		16.6					33		114.7		5.5 x EE-08	K	720					

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Sample ID	Depth ft.	Lab No.	IDENTIFICATION TESTS: Water Content %	LL %	PL %	Sieve -200 %	Hyd -2μ %	Porosity %	G_s	Dry unit wt. pcf	DENSITY: MAX (pcf) / W_{opt} (%)	Permeability cm/sec	STRENGTH TESTS: Torvane or Type Test	$\bar{\sigma}_c$ psf	Failure Criteria	$\sigma_1 - \sigma_3$ or τ psf	Strain %	CONSOL. $\frac{C_c}{1 + e_0}$	Laboratory Log and Soil Description
RNS-SB-33A POND - 3	4.0-6.0	34	Average Total Unit Weight (4.0-6.0') = 129.9 Pcf																Yellow Brown and Grey Lean Clay (CL)
	4.1		18.7																
	4.5		17.2																
	4.5-4.8		17.1					33		113.9		1.5 x EE-07	K	720					
	4.8		20.3																
	4.9-5.2		20.4	28	18	94			2.72										
	5.6		23.4																
	6.0-8.0	36	Average Total Unit Weight (6.0-6.4') = 107.7 Pcf																Brown Silty Clayey Sand (SC-SM) Note: Tube severely dented and distorted below 6.4' depth. Could not extrude.
	6.1		20.4																
	6.4		14.3																

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GEOTECHNICAL-GEOHYDROLOGICAL CONSULTANTS

Project Name RUTGERS-NEASE
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Date _____

Project No. L-12110 Project Engr. J. KERWIN Assigned By C. FLAHERTY Date Assigned NOV 90 Required _____

Sample ID	Depth ft.	Lab No.	IDENTIFICATION TESTS: Water Content %	LL %	PL %	Sieve -200 %	Hyd -2μ %	Poro sity %	G_s	Dry unit wt. pcf	DENSITY: MAX (pcf) / W_{opt} (%)	Perme-ability cm/sec	STRENGTH TESTS: Torvane or Type Test	$\bar{\sigma}_c$ psf	Failure Criteria	$\sigma_1 - \sigma_3$ or τ psf	Strain %	CONSOL.: $\frac{C_c}{1 + e_0}$	Laboratory Log and Soil Description
RNS-SB-33A POND - 3	8.0-10.0	37	Average Total Unit Weight (8.0-9.5') = 133.7 Pcf																Grey Sandy Lean Clay (CL)
	8.1		18.0																
	8.5		16.9																
	8.5-9.0		13.7	21	13	64			2.73										
	9.0-9.3		13.4					39		122.3		1.0 x EE-07	K	1065					
	10.0-12.0	38	Average Total Unit Weight (10.0-12.0') = 135.3 Pcf																Grey Clayey Sand (SC) @10.5' Change to: Grey Sandy Silty Clay (CL-ML) @11.5' Change to: Grey Silty Sand with Gravel (SM)
	10.3		15.3																
	10.6		13.3																
	10.6-11.0		12.5	17	13	51			2.69										
	11.0		14.2																
	11.1-11.4		13.2					23		128.9		9.0 x EE-08	K	1210					
	11.5		14.2																

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GEOTECHNICAL & GEOHYDROLOGICAL CONSULTANTS

Project Name RUTGERS-NEASE
SALEM, OHIO

LABORATORY TESTING DATA SUMMARY

Reviewed by _____
Date _____
Required _____

Project No. L-12110 Project Engr. J. KERWIN Assigned By C. FLAHERTY Date Assigned NOV 90

Sample ID	Depth ft.	Lab No.	IDENTIFICATION TESTS: Water Content %	LL %	PL %	Sieve -200 %	Hyd -2μ %	Porosity %	G_s	Dry unit wt. pcf	DENSITY: MAX (pcf) / W_{opt} (%)	Permeability cm/sec	STRENGTH TESTS: Torvane or Type Test	$\bar{\sigma}_c$ psf	Failure Criteria	$\sigma_1 - \sigma_3$ or τ psf	Strain %	CONSOL.: $C_c / (1 + e_0)$	Laboratory Log and Soil Description
RNS-SB-33A POND - 3	14.0-16.0	39																	
	14.3		13.7																Grey Lean Clay with Sand (CL) few lenses of Grey Silt (ML) below 15.3' depth
	14.6		15.8																
	14.6-14.9		16.7	25	15	81			2.67										
	14.9		17.1																
	15.0-15.3		20.5					35		108.8		4.0 x EE-08	K	1498					
	15.4		14.5																
	16.0-18.0	40																	Grey Lean Clay (CL) and Grey Silty Sand (SM) adjacent to each other
	16.5		21.2																

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GEOTECHNICAL-GEOHYDROLOGICAL CONSULTANTS

Project Name RUTGERS - NEASE
SALEM , OHIO

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Date _____

Project No. L - 12110 Project Engr. J. KERWIN Assigned By C. FLAHERTY Date Assigned NOV. 90 Required _____

Sample ID	Depth ft.	Lab No.	IDENTIFICATION TESTS: Water Content %	LL %	PL %	Sieve -200 %	Hyd -2μ %	Poro sity %	G_s	Dry unit wt. pcf	DENSITY: MAX (pcf) / W_{opt} (%)	Perme-ability cm/sec	STRENGTH TESTS: Torvane or Type Test	$\bar{\sigma}_c$ psf	Failure Criteria	$\sigma_1 - \sigma_3$ or τ psf	Strain %	CONSOL. $\frac{C_c}{1 + e_0}$	Laboratory Log and Soil Description
RNS-SB-34 POND - 4	0.5-2.5	4	Average Total Unit weight (0.5 - 2.5') = 101.4 PCF																
	0.8		15.0																Dark Brown Sandy Organic Clay (OL) (SLUDGE)
	0.8-1.3		14.7	29	21	65			2.63										
	1.3		17.3																
	1.3-1.6		16.7					47		86.5		1.5 X EE-03	K	720					
	1.6		16.7																
	3.0-5.0	1	Average Total unit Weight (3.0 - 4.0) = 106.3 PCF																
	3.1		28.5																Dark Brown Sandy Organic Clay (OL) (SLUDGE)
	3.1-3.5		26.4	36	23	65			2.63										
	3.5		33.3																
	3.6-3.8		25.8					45		90.4		9.0 X EE-05	K	720					
	5.5-7.5	5	Shelby tube Empty																
	9.5-11.5	12	Shelby Tube missing																

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GEOTECH[redacted]EOHYDROLOGICAL CONSULTANTS

Project Name RUTGERS - NEASE
SALEM , OHIO

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Sample ID	Depth ft.	Lab No.	IDENTIFICATION TESTS: Water Content %	LL %	PL %	Sieve -200 %	Hyd -2μ %	Poro sity %	G_s	Dry unit wt. pcf	DENSITY: MAX (pcf) / W_{opt} (%)	Perme-ability cm/sec	STRENGTH TESTS: Torvane or Type Test	$\bar{\sigma}_c$ psf	Failure Criteria	$\sigma_1 - \sigma_3$ or τ psf	Strain %	CONSOL.: C_c / $1 + e_0$	Laboratory Log and Soil Description
RN-SB-34 POND - 4	12.0-14.0	7																	Brown Lean Clay (CL)
	12.1		24.9																
	12.6		23.2																
	12.6-12.8		21.7					38		104.4		5.0 X EE-08	K	706					
	12.8-13.2		22.4	38	21	100			2.70										
	14.5-16.5	6																	Brown Lean Clay (CL)
	14.6		23.2																
	15.1		23.9																
	15.1-15.3		21.7					38		105.5		7.0 X EE-08	K	835					
	15.4-15.8		21.5	34	19	100			2.72										
	15.8		21.8																

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GEOTECHNICAL-GEOHYDROLOGICAL CONSULTANTS

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Project No. L-12110 Project Engr. J. KERWIN Assigned By C. FLAHERTY Date Assigned NOV 90 Required _____

Sample ID	Depth ft.	Lab No.	IDENTIFICATION TESTS: Water Content %	LL %	PL %	Sieve -200 %	Hyd -2μ %	Porosity %	G_s	Dry unit wt. pcf	DENSITY: MAX (pcf) / W_{opt} (%)	Permeability cm/sec	STRENGTH TESTS: Torvane or Type Test	$\bar{\sigma}_c$ psf	Failure Criteria	$\sigma_1 - \sigma_3$ or τ psf	Strain %	CONSOL. $\frac{C_c}{1 + e_0}$	Laboratory Log and Soil Description
RNS-SB-34 POND - 4	17.0-19.0	11																	Brown Lean Clay (CL)
	17.1		24.0																
	17.3-17.5		23.9					40		101.1		9.0 x EE-08	K	950					
	17.6		24.8																
	17.6-17.9		23.2	37	19	100			2.70										
	19.5-21.5	2																	Brown Lean Clay (CL) with layers 1.5-3" thick of Brown Silt (ML)
	19.6		24.2																
	20.4		24.0																
	20.9-21.2		24.4	37	19	100			2.70										
	21.2		25.0																
	21.3-21.5		24.8					40		100.7		3.0 x EE-08	K	1066					

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Sample ID	Depth ft.	Lab No.	IDENTIFICATION TESTS: Water Content %	LL %	PL %	Sieve -200 %	Hyd -2μ %	Porosity %	G_s	Dry unit wt. pcf	DENSITY: MAX (pcf) / W_{opt} (%)	Permeability cm/sec	STRENGTH TESTS: Torvane or Type Test	$\bar{\sigma}_c$ psf	Failure Criteria	$\sigma_1 - \sigma_3$ or τ psf	Strain %	CONSOL.: $C_c / (1 + e_0)$	Laboratory Log and Soil Description
RNS-SB-34 POND - 4	22.0-24.0	15	Average Total Unit Weight (22.0-23.8') = 119.9 Pcf																Brown Lean Clay (CL)
	22.5		23.9																
	23.0		26.3																
	23.1-23.4		25.2	37	20	100			2.70										
	23.4-23.7		24.7					39		102.4		1.0 x EE-07	K	1195					
	24.5-26.5	14	Average Total Unit Weight (24.5-26.2') = 124.9 Pcf																Brown Lean Clay (CL) @25.9'-26.2' Depth; Grey Brown Well Graded Sand with Silt (SM-SW)
	24.7		28.1																
	25.2		31.8																
	25.3-25.5		29.7					44		95.4		5.0 x EE-08	K	1354					
	25.6 25.9		39.0	47	26	100			2.71										
	25.9		25.9																

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Project Name RUTGERS-NEASE
SALEM, OHIO

LABORATORY TESTING DATA SUMMARY

Reviewed by _____
Date _____

Project No. L-12110 Project Engr. J. KERWIN Assigned By C. FLAHERTY Date Assigned NOV 90 Required _____

Sample ID	Depth ft.	Lab No.	IDENTIFICATION TESTS: Water Content %	LL %	PL %	Sieve -200 %	Hyd -2μ %	Porosity %	G_s	Dry unit wt. pcf	DENSITY: MAX (pcf) / W_{opt} (%)	Permeability cm/sec	STRENGTH TESTS: Torvane or Type Test	$\bar{\sigma}_c$ psf	Failure Criteria	$\sigma_1 - \sigma_3$ or τ psf	Strain %	CONSOL. C_c / $1 + e_0$	Laboratory Log and Soil Description
RNS-SB-34 POND - 4	27.0-29.0	9	Average Total Unit Weight (27.0-28.7') = 134.8 Pcf																
	27.5		15.7																Brown Lean Clay with Sand (CL)
	28.0		15.2																
	28.1-28.4		17.2					35		110.9		7.5 x EE-08	K	1510					
	28.4-28.8		15.0	23	14	75			2.71										
	29.5-31.5	8	Average Total Unit Weight (29.5-31.2') = 134.5 Pcf																
	29.6		23.7																Grey Lean Clay (CL) @ 30.4' Change to: Grey Sandy Lean Clay (CL)
	29.7-29.9		21.9					38		104.5		7.0 x EE-08	K	1670					
	29.9-30.2		21.6	31	18	99			2.72										
	30.7		21.0																

GOLDBERG-ZOINO & ASSOCIATES, INC.
GEOTECHNICAL & HYDROLOGICAL CONSULTANTS

Project Name RUTGERS-NEASE
SALEM, OHIO

LABORATORY TESTING DATA SUMMARY

Reviewed by _____
Date _____

Project No. L-12110 Project Engr. J. KERWIN Assigned By C. FLAHERTY Date Assigned NOV 90 Required _____

Sample ID	Depth ft.	Lab No.	IDENTIFICATION TESTS: Water Content %	LL %	PL %	Sieve -200 %	Hyd -2μ %	Poro sity %	G_s	Dry unit wt. pcf	DENSITY: MAX (pcf) / W_{opt} (%)	Perme-ability cm/sec	STRENGTH TESTS: Torvane or Type Test	$\bar{\sigma}_c$ psf	Failure Criteria	$\sigma_1 - \sigma_3$ or τ psf	Strain %	CONSOL.: C_c / $1 + e_0$	Laboratory Log and Soil Description
RNS-SB-34 POND - 4	32.0-34.0	13	Average Total Unit Weight (32.0-33.2') = 141.0 Pcf																
	32.4		14.5																Grey Sandy Lean Clay (CL) @33.1' Change to: Grey Clayey Sand (SC)
	32.4-32.7		14.4	21	14	68			2.69										
	32.7		15.2																
	32.7-33.0		14.4					28		120.6		3.5 x EE-08	K	1825					
	33.0		17.7																
RNS-SB-34	35.0-36.3	22																	Grey Silt (ML) @35.3' Change to: Grey Lean Clay (CL) @ 35.7' Change to Brown silty Sand (SM)
	35.3		13.2																
	35.3-35.6		15.6																
	35.7-36.0		13.5	16	16	37		20	2.67	134.1		5.5 x EE-08	K	2117					
	36.1		11.9																

GOLDBERG-ZOINO & ASSOCIATES, INC.
GEOTECHNICAL-GEOHYDROLOGICAL CONSULTANTS

Project Name RUTGERS-NEASE
SALEM, OHIO

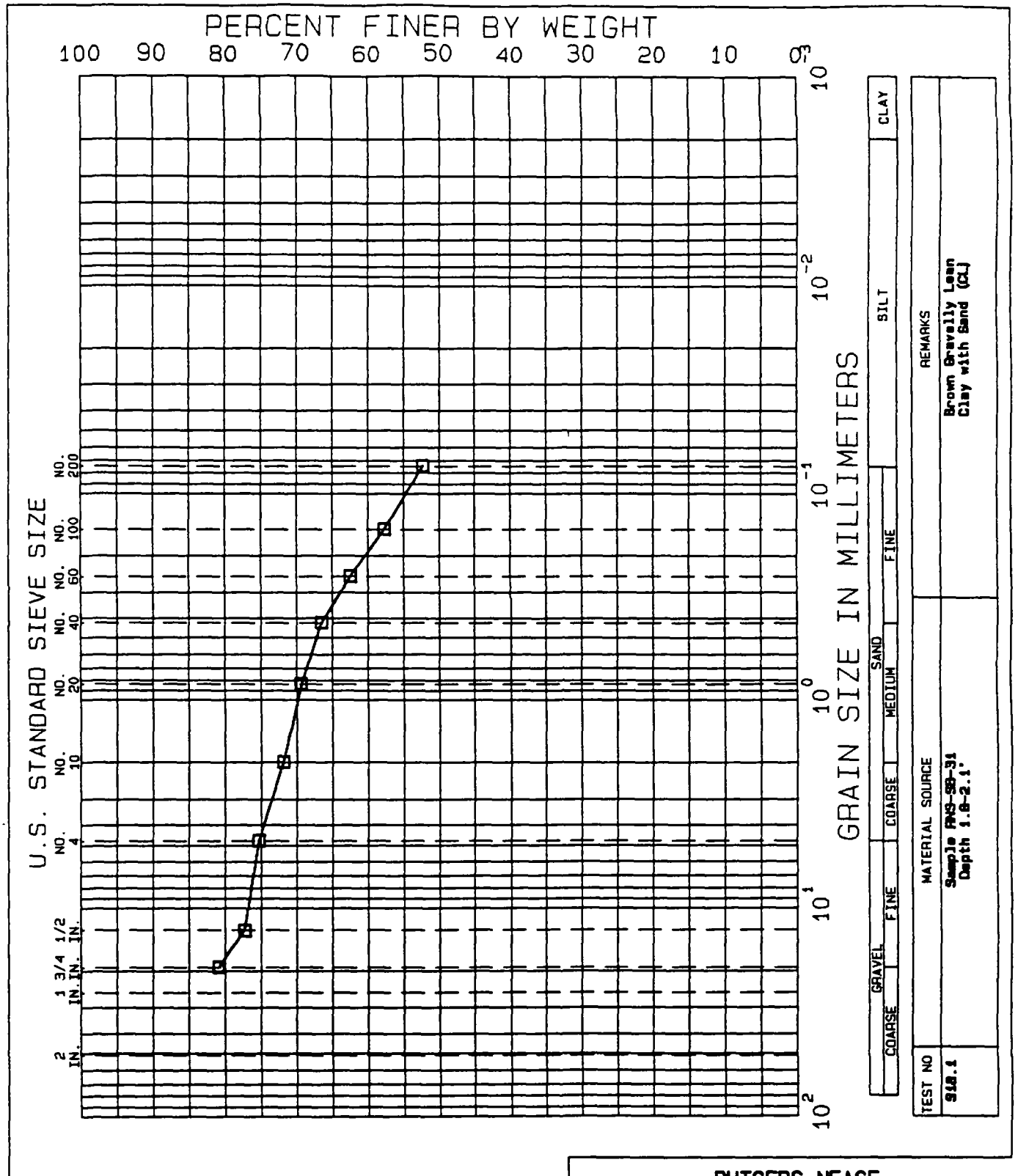
LABORATORY TESTING DATA SUMMARY

Reviewed by _____
Date _____

Project No. L-12110 Project Engr. J. KERWIN Assigned By C. FLAHERTY Date Assigned NOV 90 Required _____

Sample ID	Depth ft.	Lab No.	IDENTIFICATION TESTS: Water Content %	LL %	PL %	Sieve -200 %	Hyd -2μ %	Porosity %	G_s	Dry unit wt. pcf	DENSITY: MAX (pcf) / W_{opt} (%)	Permeability cm/sec	STRENGTH TESTS: Torvane or Type Test	$\bar{\sigma}_c$ psf	Failure Criteria	$\sigma_1 - \sigma_3$ or τ psf	Strain %	CONSOL.: $C_c / (1 + e_0)$	Laboratory Log and Soil Description
RNS-SB-34 POND 4	37.0-39.0	10																	Grey Silt (ML) @ 37.8' Change to : Grey Silty Clayey Sand (SC SM) @ 38.5' Change to : Brown Silty Sand (SM)
	37.2		15.5																
	37.8-38.0		10.7	17	12	41			2.67										
	38.0-38.3		10.4					20		134.1		5.5 X EE-08	K	2117					
	38.6		12.9																
	39.5-41.5	3	Average Total Unit Weight (39.5-41.2') = 134.5 PCF																Brown Silty Sand (SM) with thin lenses of Brown Lean Clay (CL)
	39.7-40.0			17	16	34			2.66										
	40.0-40.3		16.6					34		109.3		5.5 X EE-07	K	2260					
	40.5-40.9																		

GOLDBERG-ZOINO & ASSOCIATES, INC.
GEOTECHNICAL-GEOHYDROLOGICAL CONSULTANTS

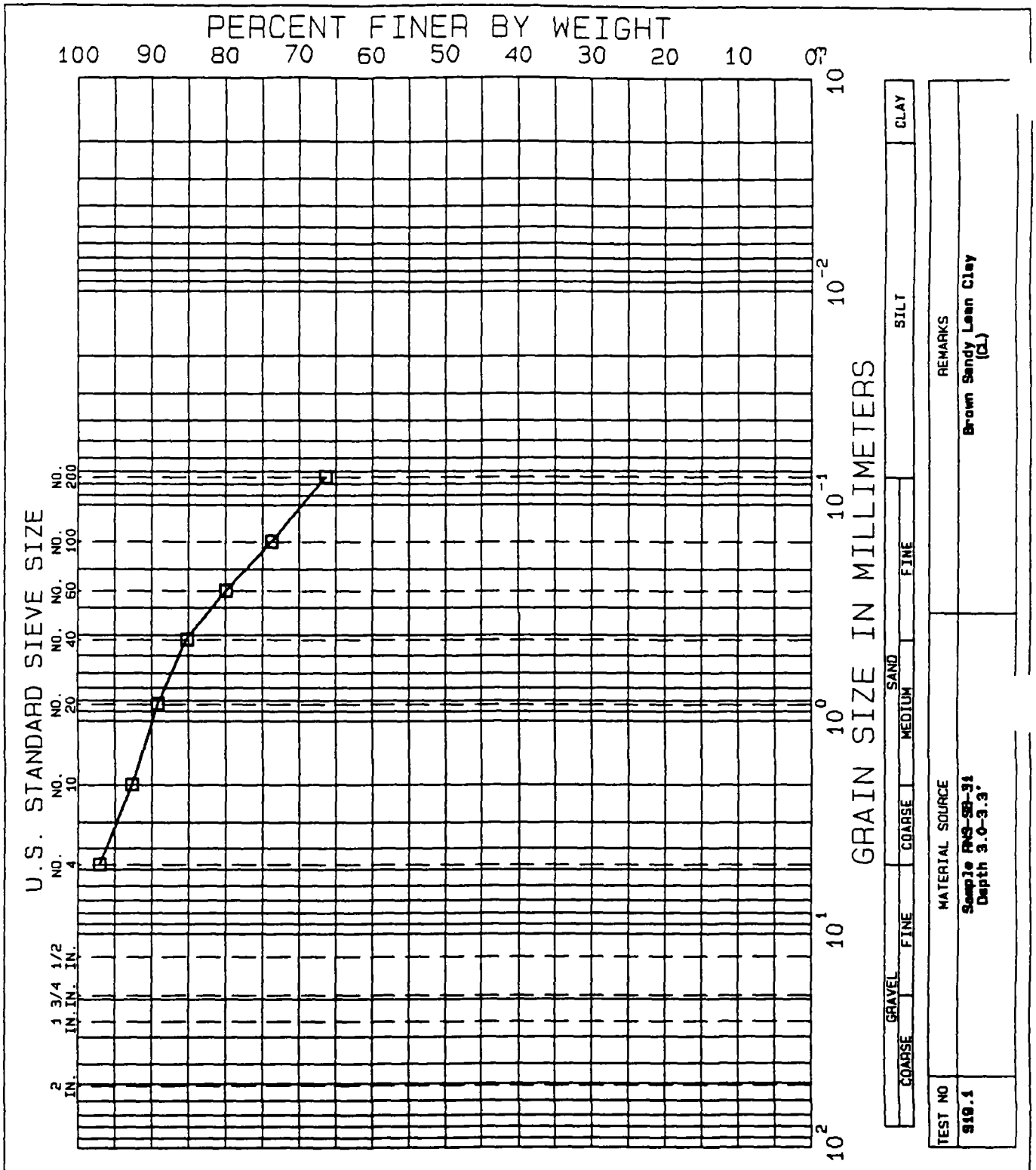


RUTGERS-NEASE
SALEM, OHIO
GRADATION TESTS

BORING NO. SB-31
SAMPLE
DEPTH 1.6-2.1'
TECH. PEC
REVIEWER DAS

TEST SERIES
NO. 18
DATE Nov 90

FILE L-12110

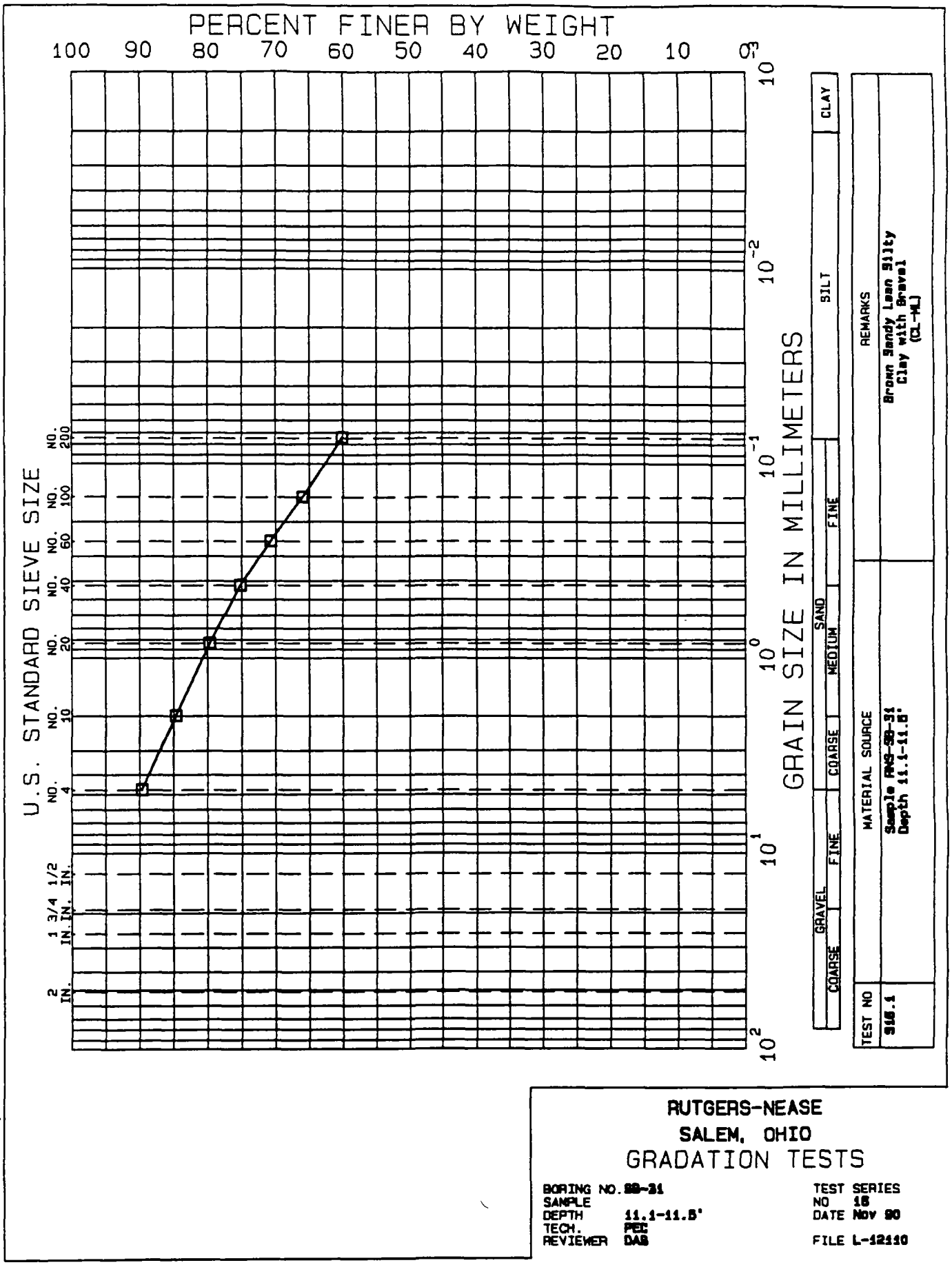


RUTGERS-NEASE

SALEM, OHIO

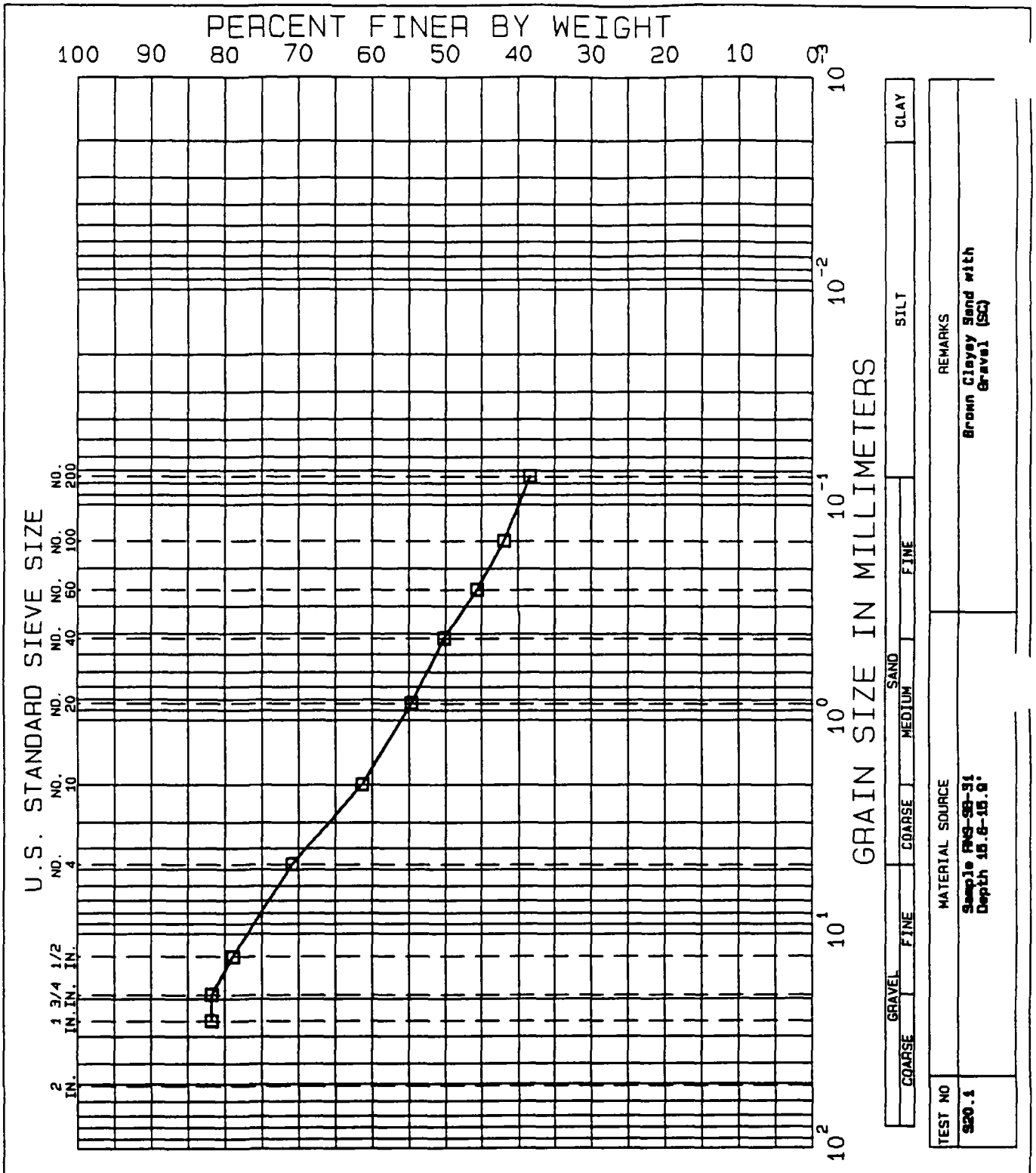
GRADATION TESTS

BORING NO.	SB-31	TEST SERIES NO	19
SAMPLE		DATE	Nov 90
DEPTH	3.0-3.3'		
TECH.	PEC		
REVIEWER	DAS	FILE	L-12110



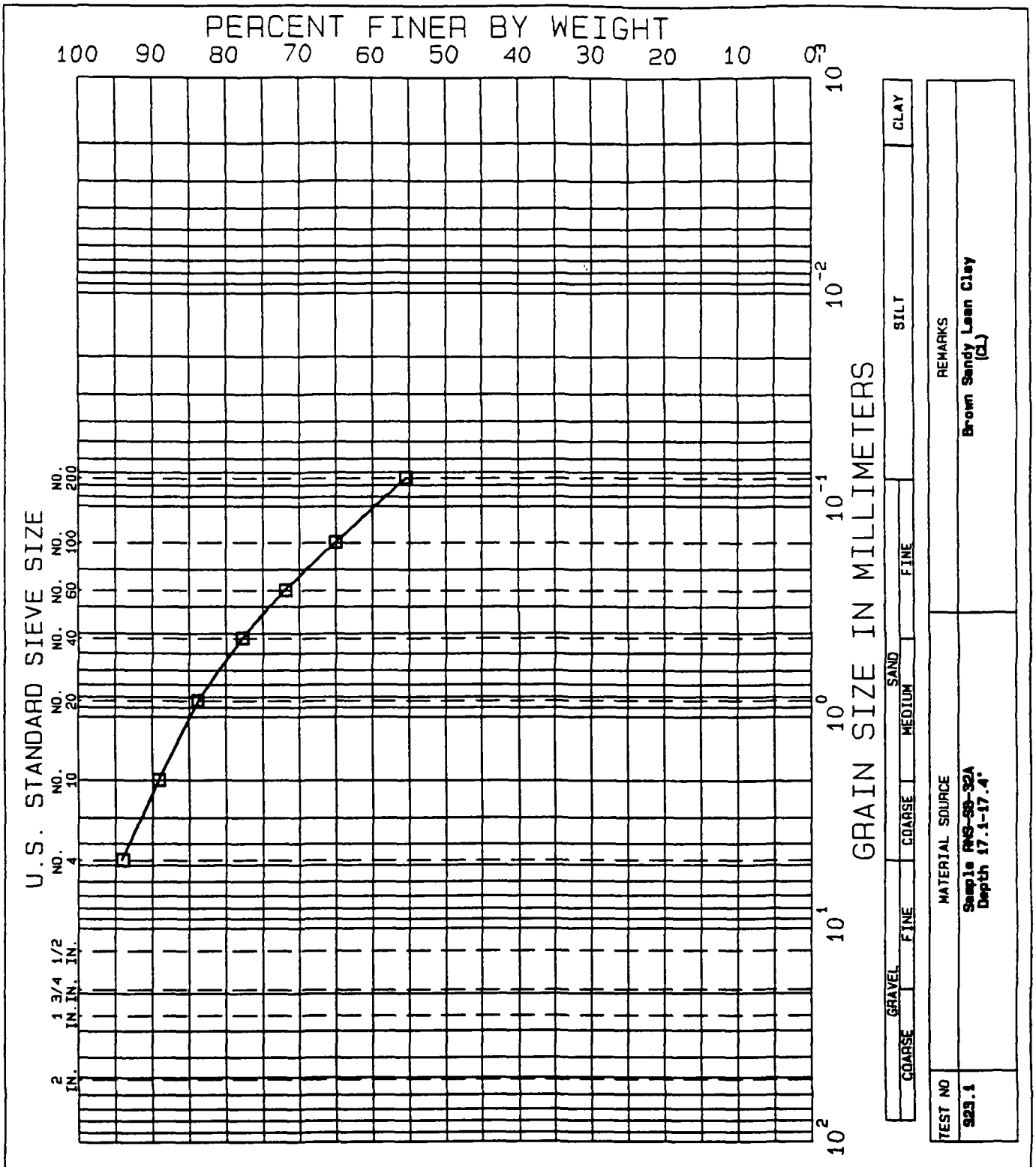
RUTGERS-NEASE
SALEM, OHIO
GRADATION TESTS

BORING NO.	SB-31	TEST SERIES NO	16
SAMPLE			
DEPTH	11.1-11.5'	DATE	Nov 90
TECH.	PEC		
REVIEWER	DAB	FILE	L-12110



RUTGERS-NEASE
SALEM, OHIO
GRADATION TESTS

BORING NO.	SB-21	TEST SERIES NO	20
SAMPLE		DATE	Nov 90
DEPTH	15.6-15.9'		
TECH.	PEC		
REVIEWER	DAS	FILE	L-12110



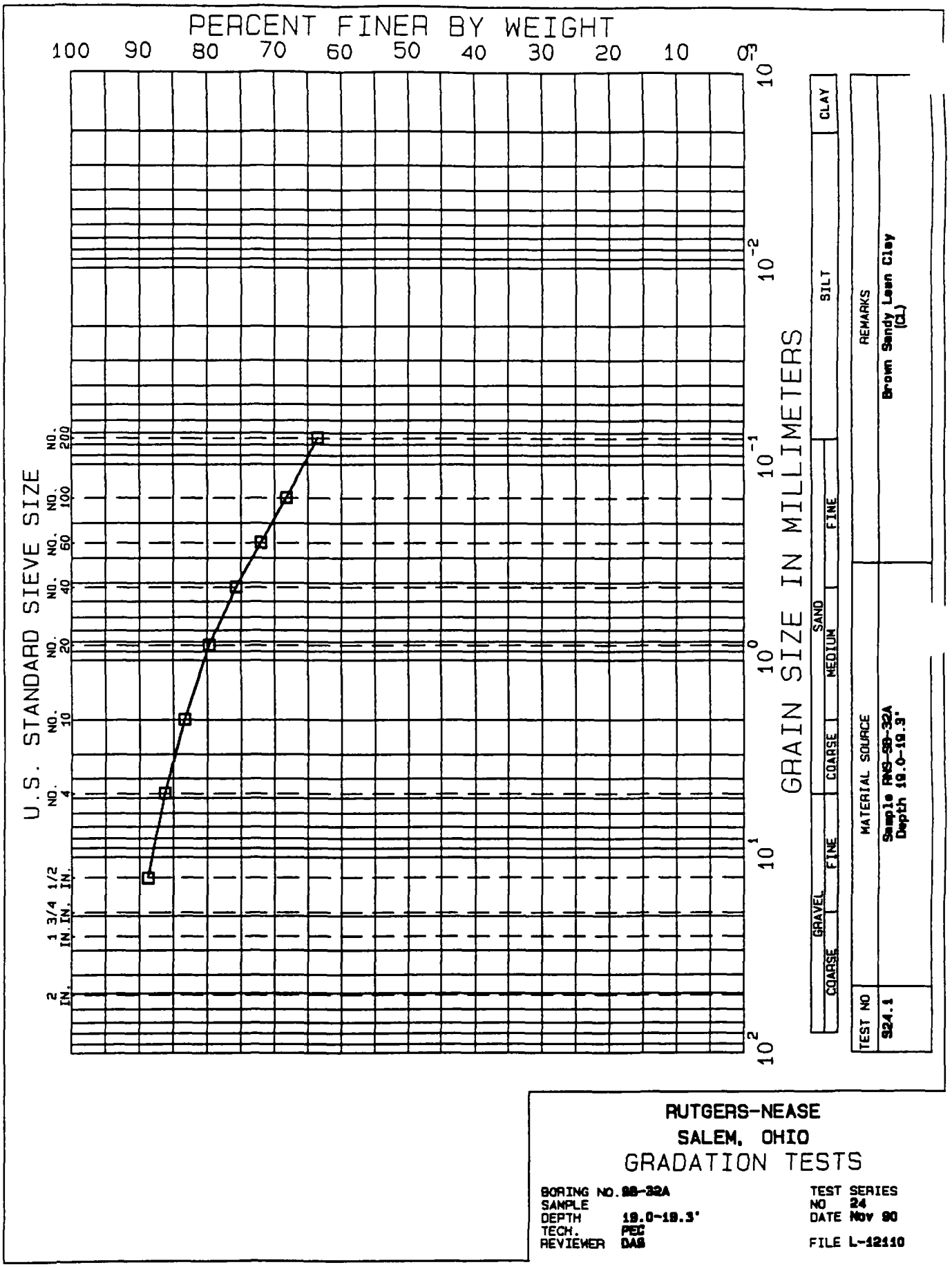
RUTGERS-NEASE

SALEM, OHIO

GRADATION TESTS

BORING NO. SB-32A
SAMPLE
DEPTH 17.1-17.4'
TECH. PEC
REVIEWER DAS

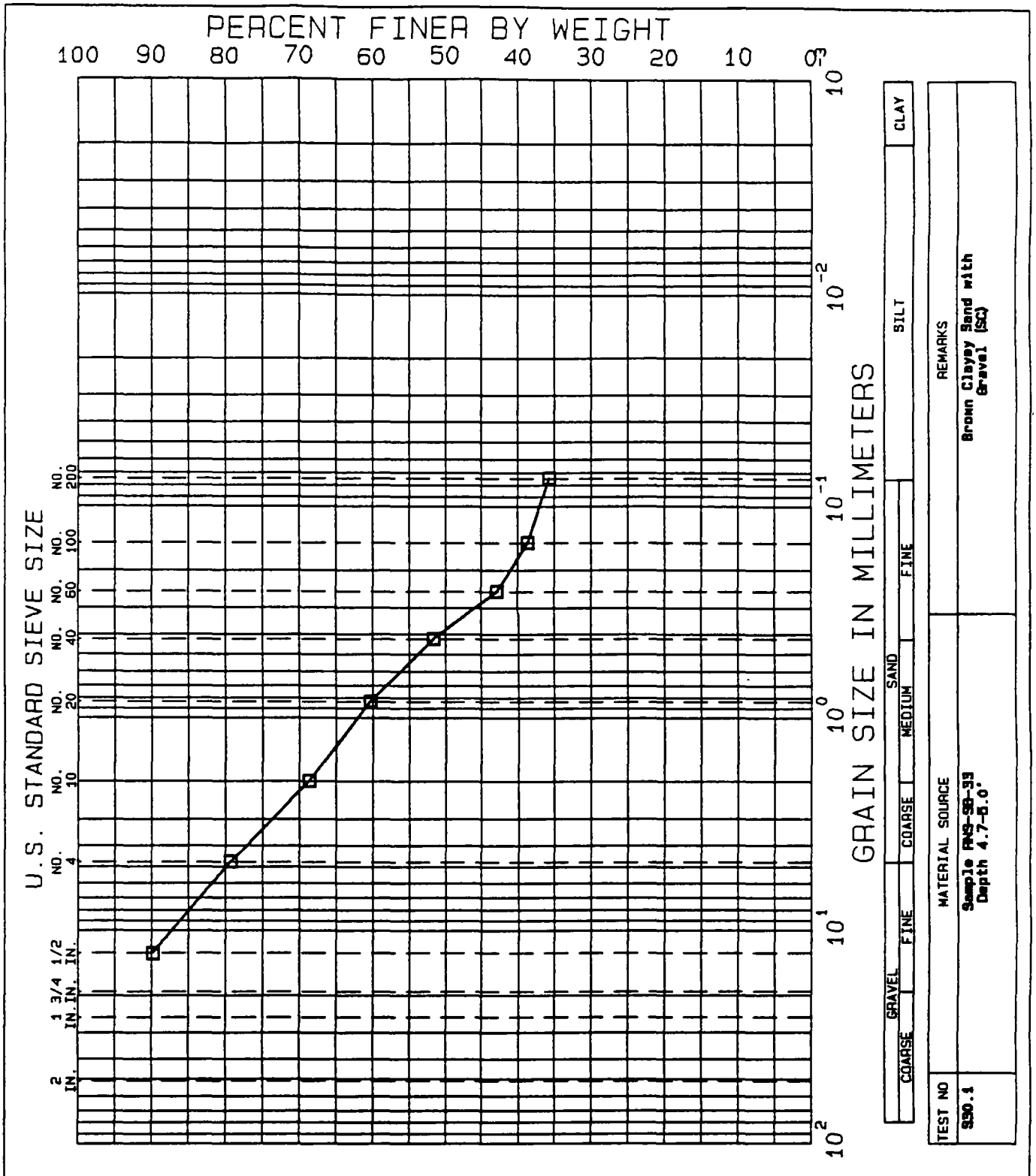
TEST SERIES NO 23
DATE Nov 90
FILE L-12110



RUTGERS-NEASE
SALEM, OHIO
GRADATION TESTS

BORING NO. SB-32A
SAMPLE
DEPTH 19.0-19.3'
TECH. PEC
REVIEWER DAS

TEST SERIES NO 24
DATE Nov 90
FILE L-12110

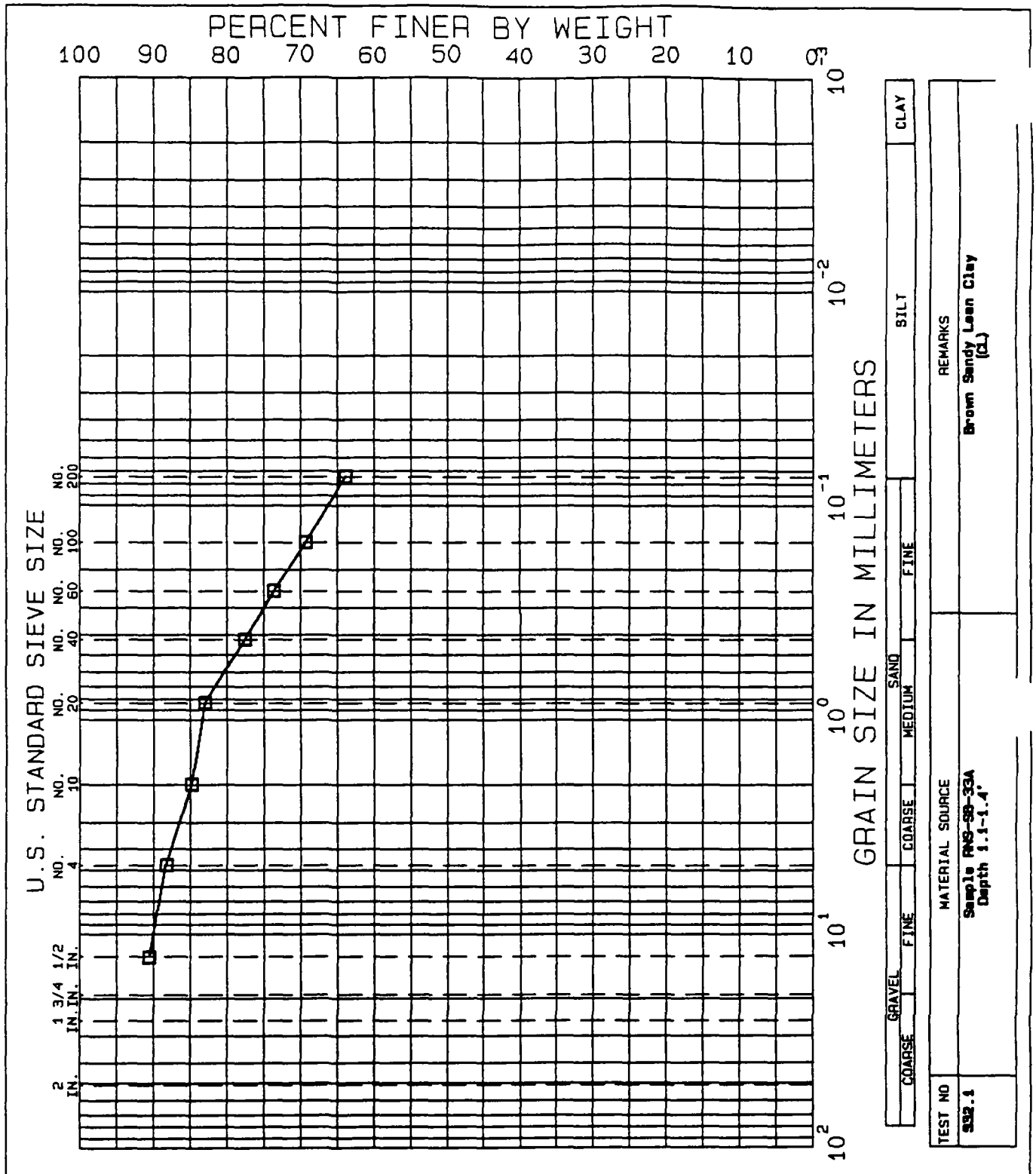


RUTGERS-NEASE

SALEM, OHIO

GRADATION TESTS

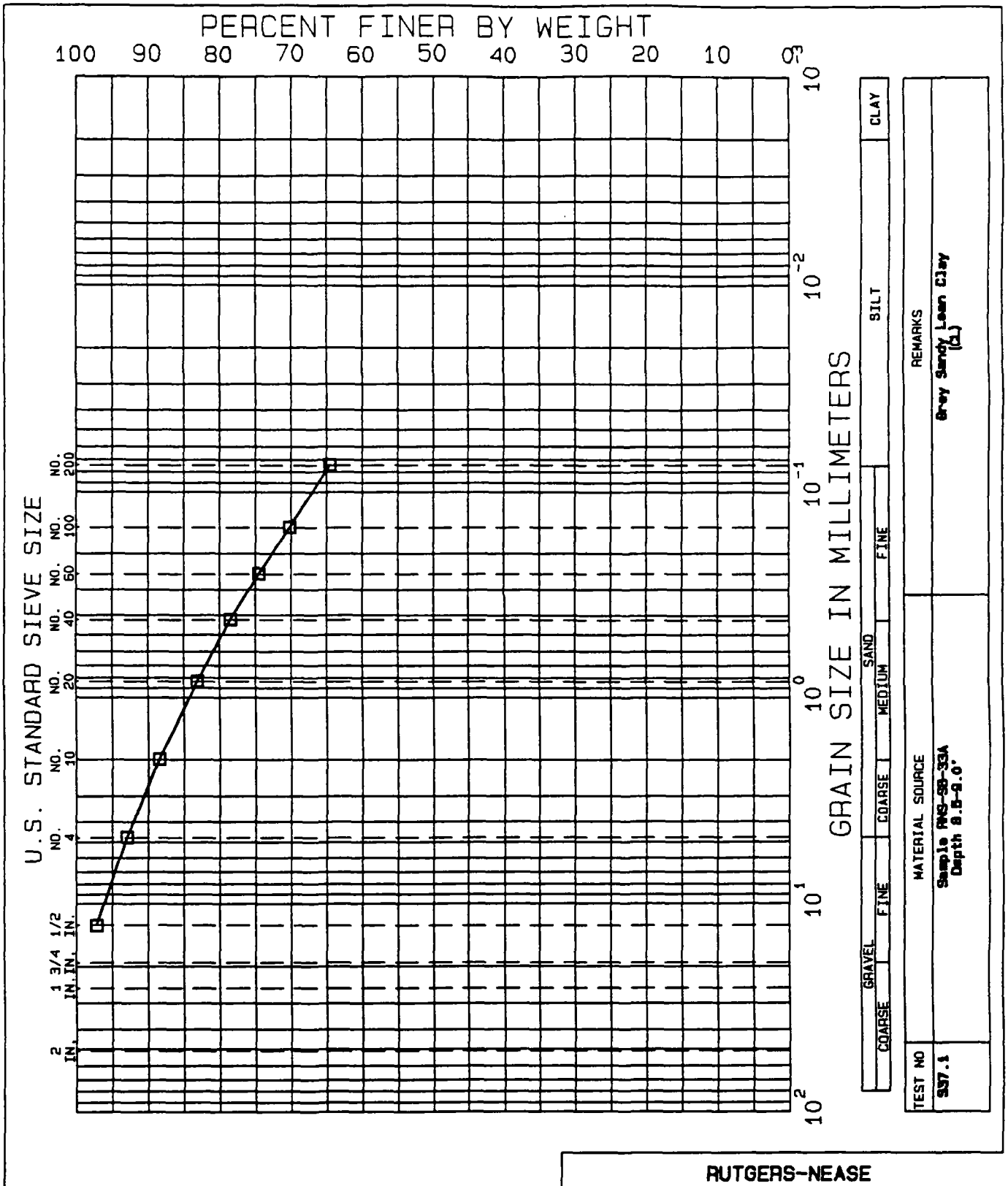
BORING NO.	SB-33	TEST SERIES NO.	30
SAMPLE		DATE	Nov 90
DEPTH	4.7-5.0		
TECH.	PEC	FILE	L-12110
REVIEWER	DAS		



RUTGERS-NEASE
SALEM, OHIO
GRADATION TESTS

BORING NO. SB-33A
SAMPLE
DEPTH 1.1-1.4'
TECH. PEC
REVIEWER DAS

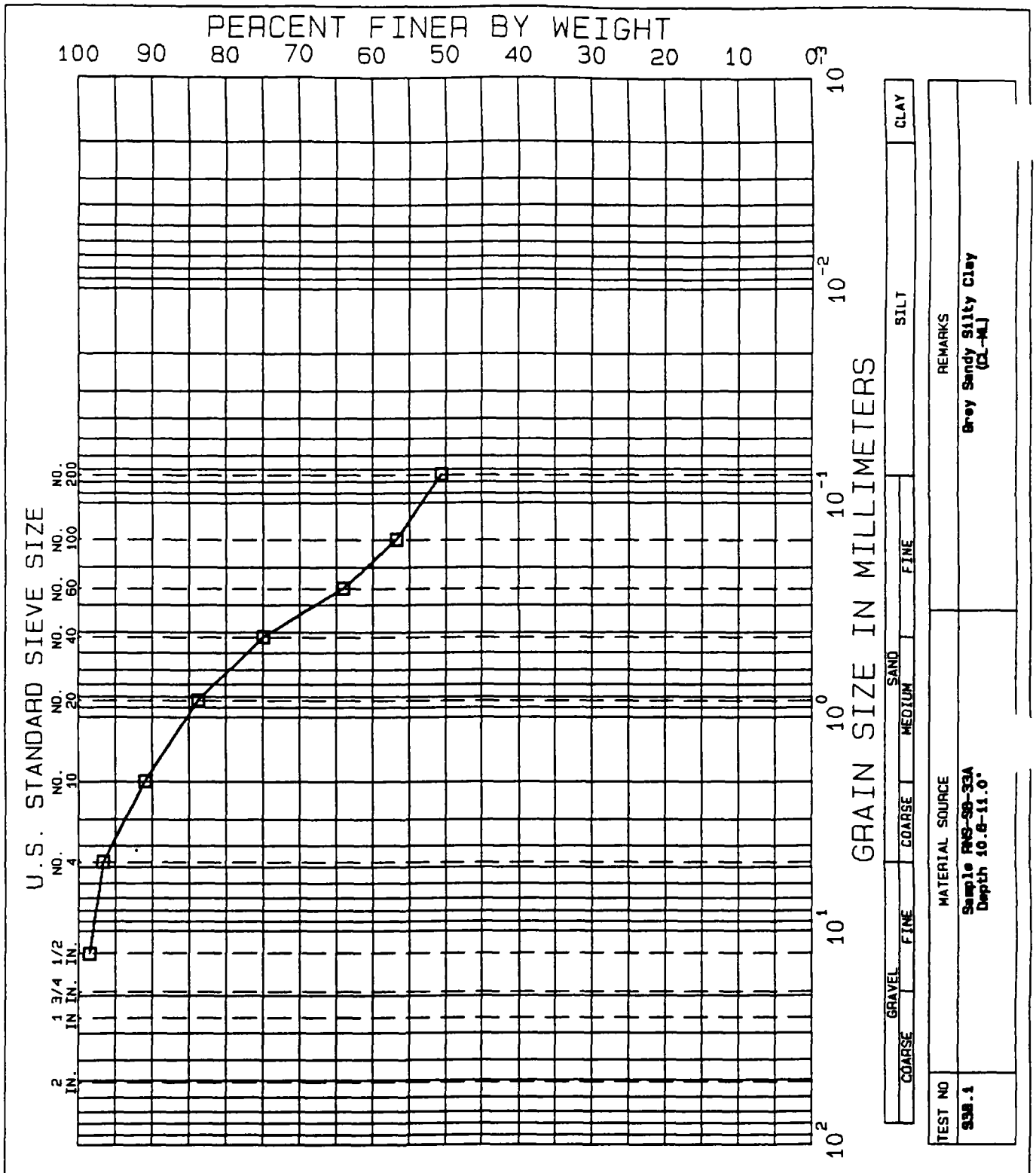
TEST SERIES
NO 13
DATE Nov 90
FILE L-12110



RUTGERS-NEASE
SALEM, OHIO
GRADATION TESTS

BORING NO. SB-33A
SAMPLE
DEPTH 8.5-9.0'
TECH. PEC
REVIEWER DAS

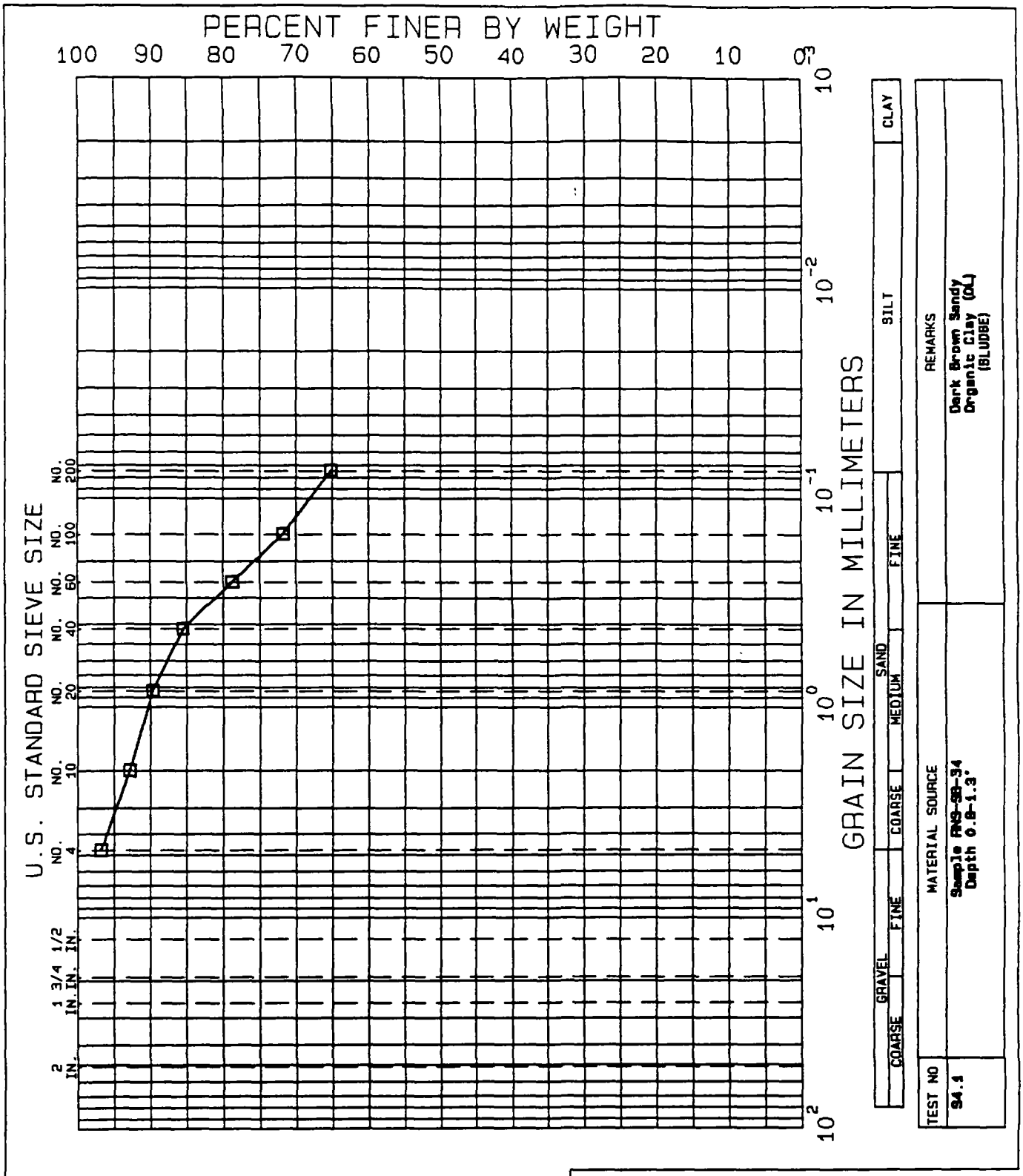
TEST SERIES NO 37
DATE Nov 90
FILE L-12110



RUTGERS-NEASE
SALEM, OHIO
GRADATION TESTS

BORING NO. SB-33A
SAMPLE
DEPTH 10.6-11.0'
TECH. PEC
REVIEWER DAS

TEST SERIES NO 38
DATE Nov 90
FILE L-12211

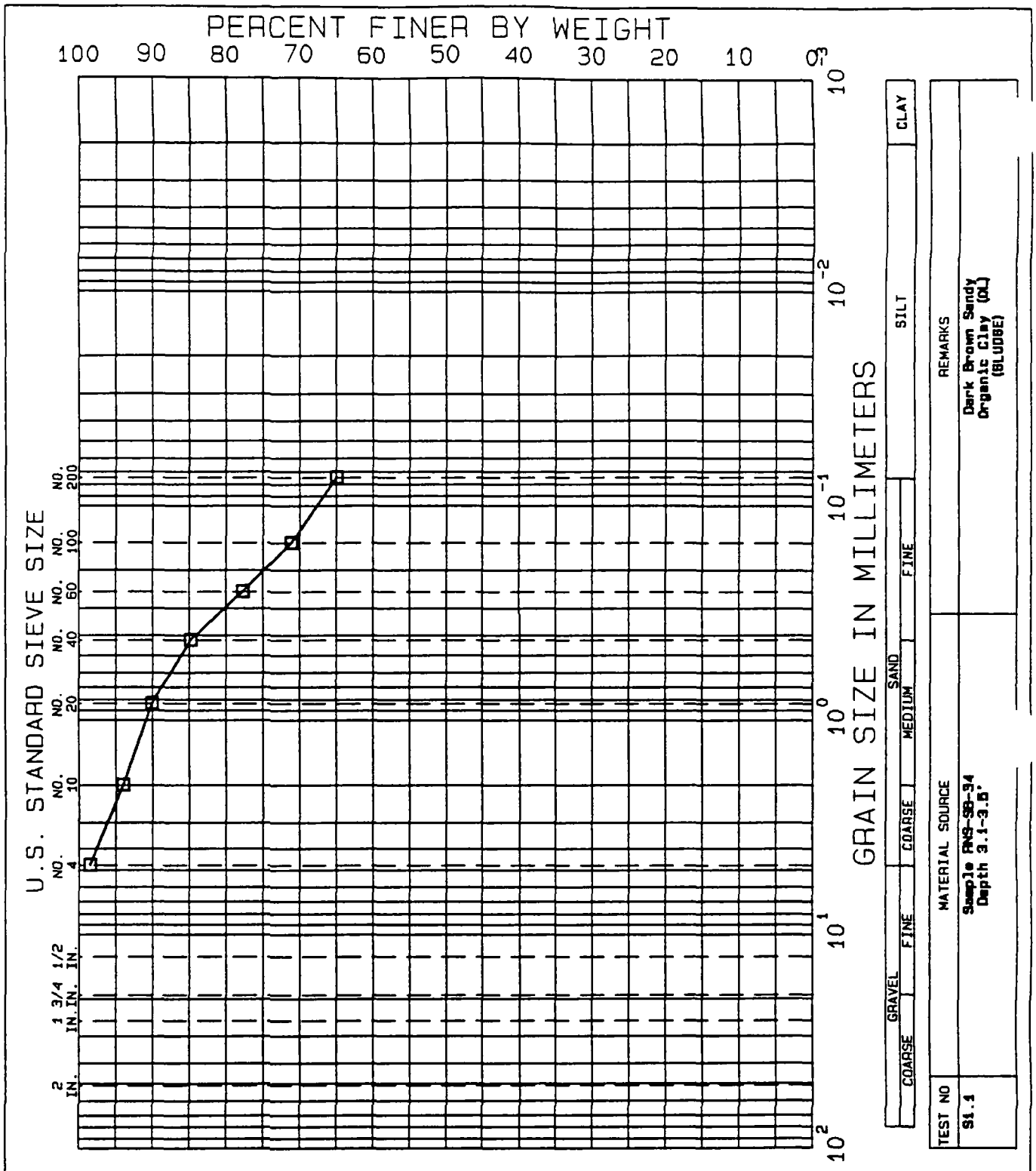


RUTGERS-NEASE

SALEM, OHIO

GRADATION TESTS

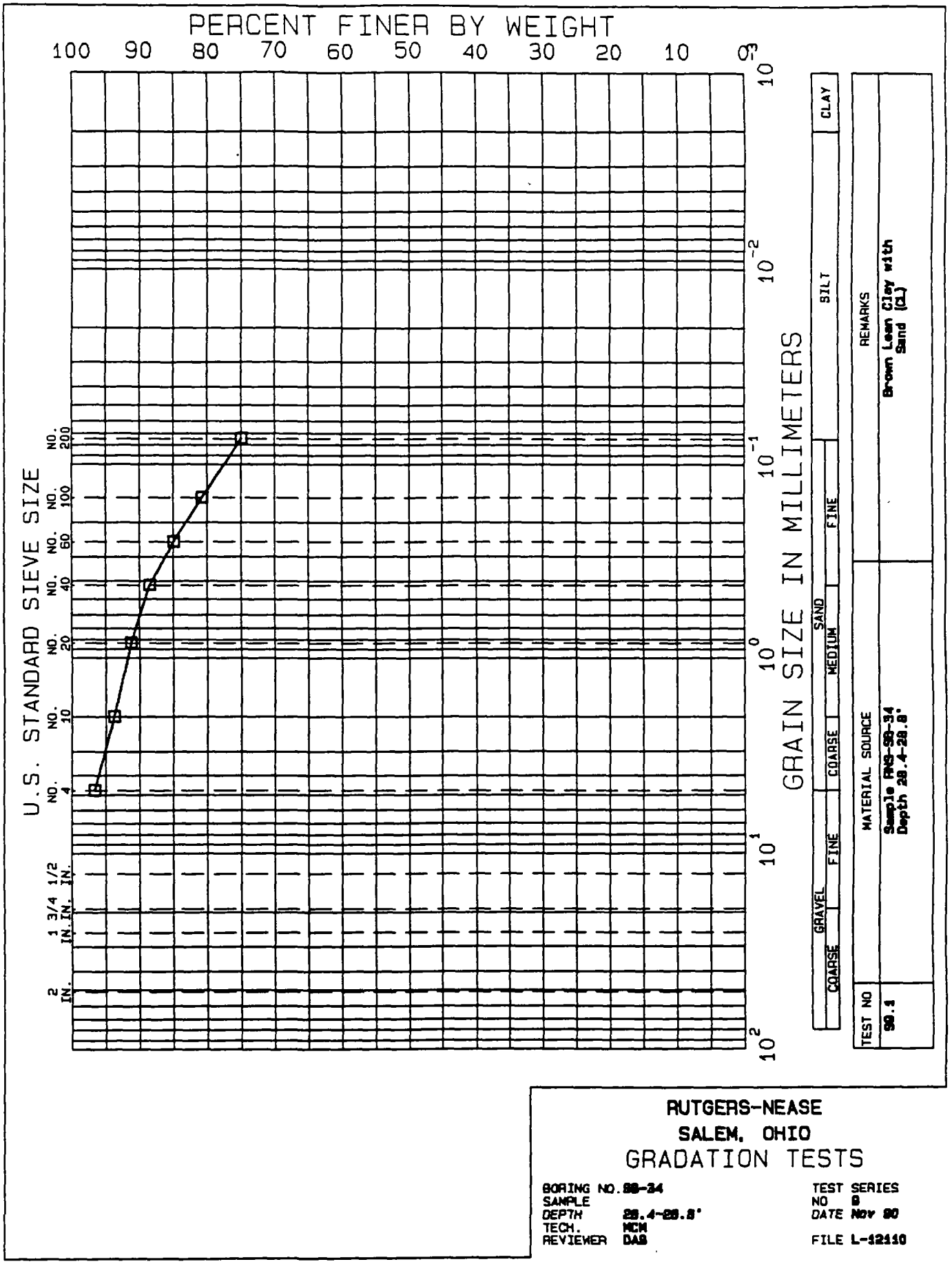
BORING NO.	SB-34	TEST SERIES NO	4
SAMPLE		DATE	Nov 90
DEPTH	0.8-1.3'		
TECH.	MCM		
REVIEWER	DAS	FILE	L-12110



RUTGERS-NEASE
SALEM, OHIO
GRADATION TESTS

BORING NO. SB-34
SAMPLE
DEPTH 3.1-3.5'
TECH. MCM
REVIEWER DAS

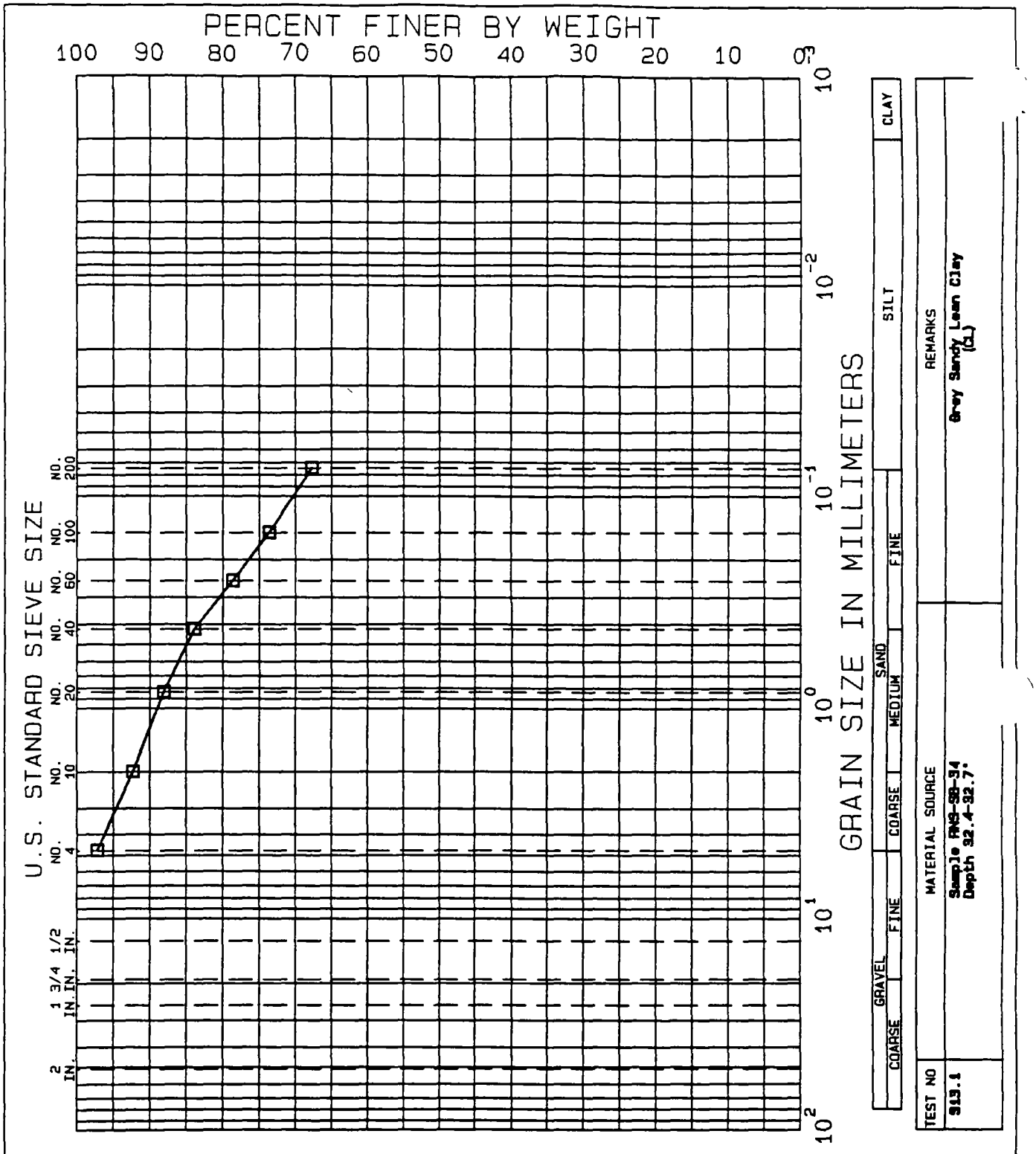
TEST SERIES NO 1
DATE Nov 90
FILE L-1211



RUTGERS-NEASE
SALEM, OHIO
GRADATION TESTS

BORING NO. SS-34
SAMPLE
DEPTH 28.4-28.8'
TECH. MCM
REVIEWER DAB

TEST SERIES
NO B
DATE Nov 90
FILE L-12110



RUTGERS-NEASE

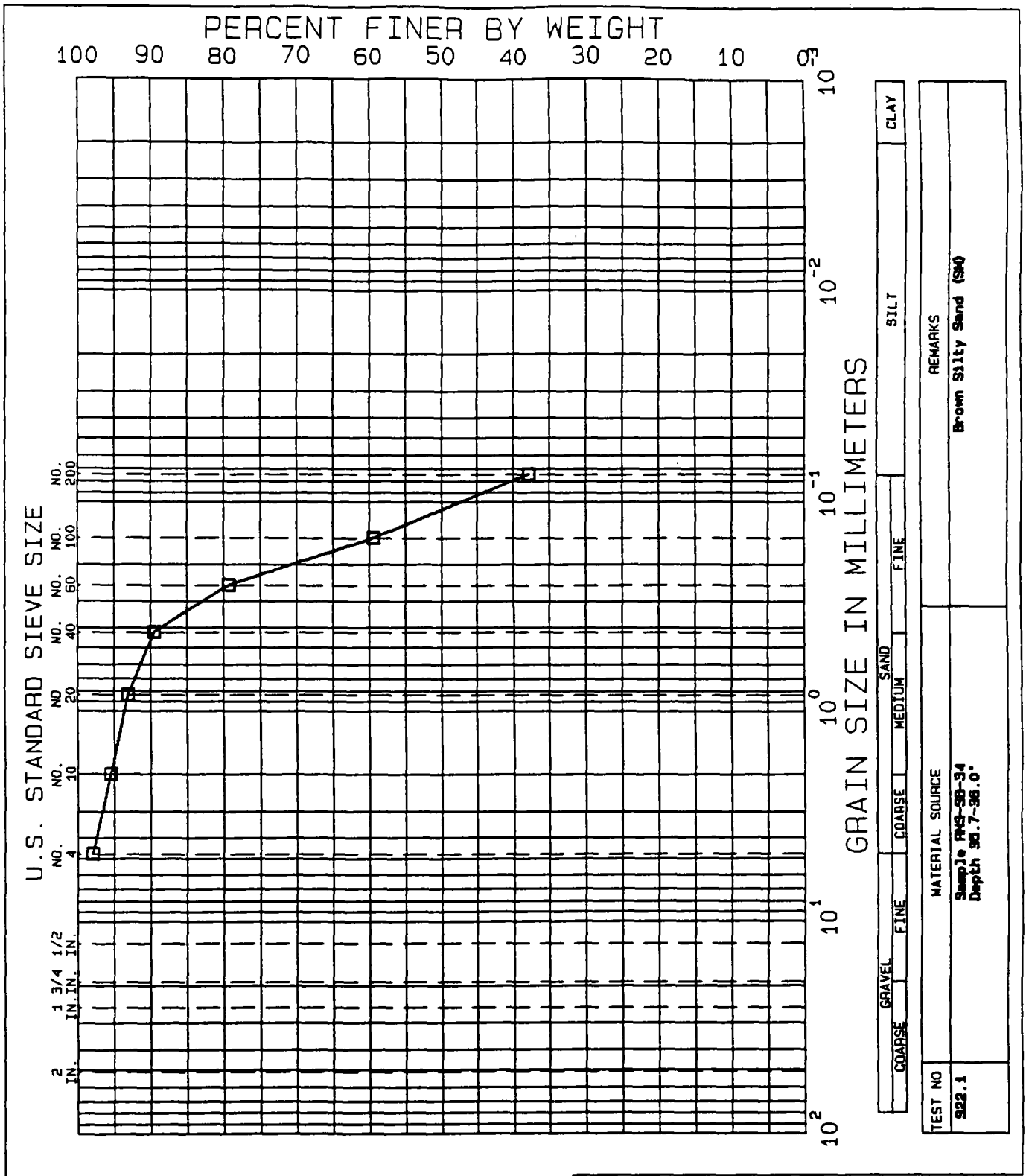
SALEM, OHIO

GRADATION TESTS

BORING NO. SB-34
SAMPLE
DEPTH 32.4-32.7'
TECH. MCM
REVIEWER DAS

TEST SERIES NO. 13
DATE Nov 90

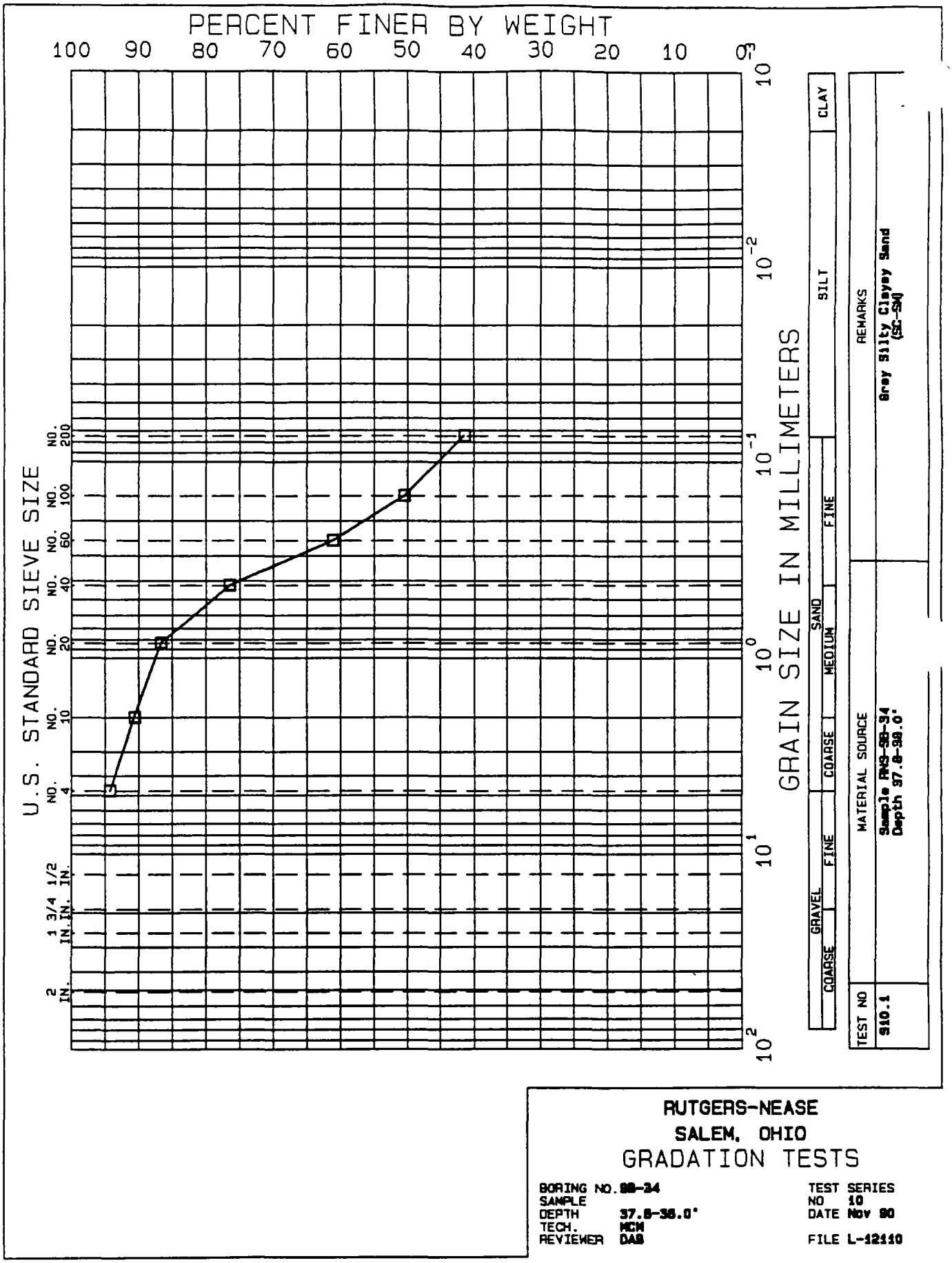
FILE L-12110



RUTGERS-NEASE
SALEM, OHIO
GRADATION TESTS

BORING NO. SB-34
SAMPLE
DEPTH 35.7-36.0'
TECH. MCM
REVIEWER DAS

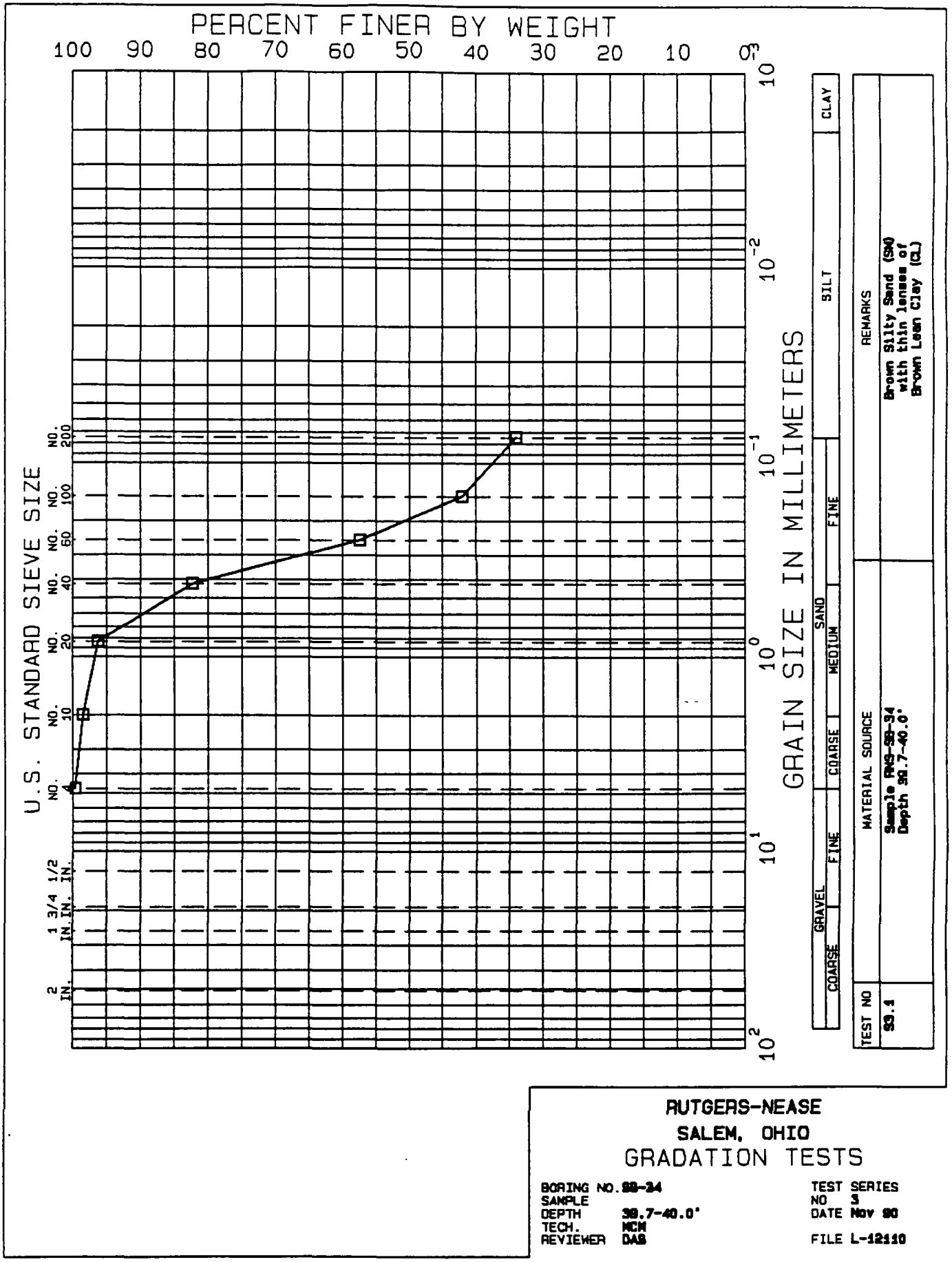
TEST SERIES NO 82
DATE Nov 90
FILE L-12110



RUTGERS-NEASE
SALEM, OHIO
GRADATION TESTS

BORING NO. SB-34
SAMPLE
DEPTH 37.8-38.0'
TECH. MCM
REVIEWER DAB

TEST SERIES NO 10
DATE Nov 90
FILE L-12110



RUTGERS-NEASE

SALEM, OHIO

GRADATION TESTS

BORING NO. 93-34
SAMPLE
DEPTH 38.7-40.0'
TECH. MCM
REVIEWER DAS

TEST SERIES NO 3
DATE Nov 93
FILE L-12110

LABORATORY TEST PROCEDURES

RUTGERS - NEASE
SALEM , OHIO
L- 12110

1. The following tests were performed with the noted ASTM test designation:

TEST	ASTM DESIGNATION
Grain Size	D422-63 (Sieve Only)
Moisture Content	D2216-80
Permeability Test	(See Item 2)
Specific Gravity	D854-83
Liquid and Plastic Limits	D4318-84
Porosity	(See Item 3)

2. Test Procedures for Permeability Tests

Test samples were performed on full diameter samples (2.87-inch diameter and 5.75-inch length) or were trimmed in a vertical lathe to dimensions of approximately 2.00-inch diameter and 4.00-inch length. Water contents were obtained from trimmings adjacent to the test sample, the specimen's weight was determined, and its dimensions verified.

After trimming, the test specimen was placed on a previously de-aired triaxial cell base and porous stone. A membrane was added and the sample was sealed top on bottom by "O" rings.

Samples were back pressured under a small effective stress to create complete saturation of the samples. The chamber pressure was then increased such that the desired consolidation effective stress was obtained. This effective consolidation stress was allowed to act for 24 hours±. During the consolidation phase, readings of volume change versus time were recorded.

After consolidation, the response of the soil samples was checked by increasing the cell pressure and monitoring the pore pressure. Where required, additional back pressure was applied so as to achieve a pore pressure response equal to or greater than 95 percent. When the desired saturation was achieved, the samples were attached to the permeability apparatus and tested in accordance with procedures described in the Army Corps of Engineers Manual EM 1110-2-1906, Appendix VII, pages VII 17 through VII 22, Number 7, "Falling Head Permeability Test with Back Pressure." Records of head change vs time were recorded for the test with the permeability value reported being the average of several consistent values obtained during the test.

3. Porosity was calculated using the following equation

$$e = \frac{Vv}{Vs} \qquad n = \frac{e}{1+e}$$

Where $$Vs = \frac{Ws}{Gs \cdot \gamma w}$$

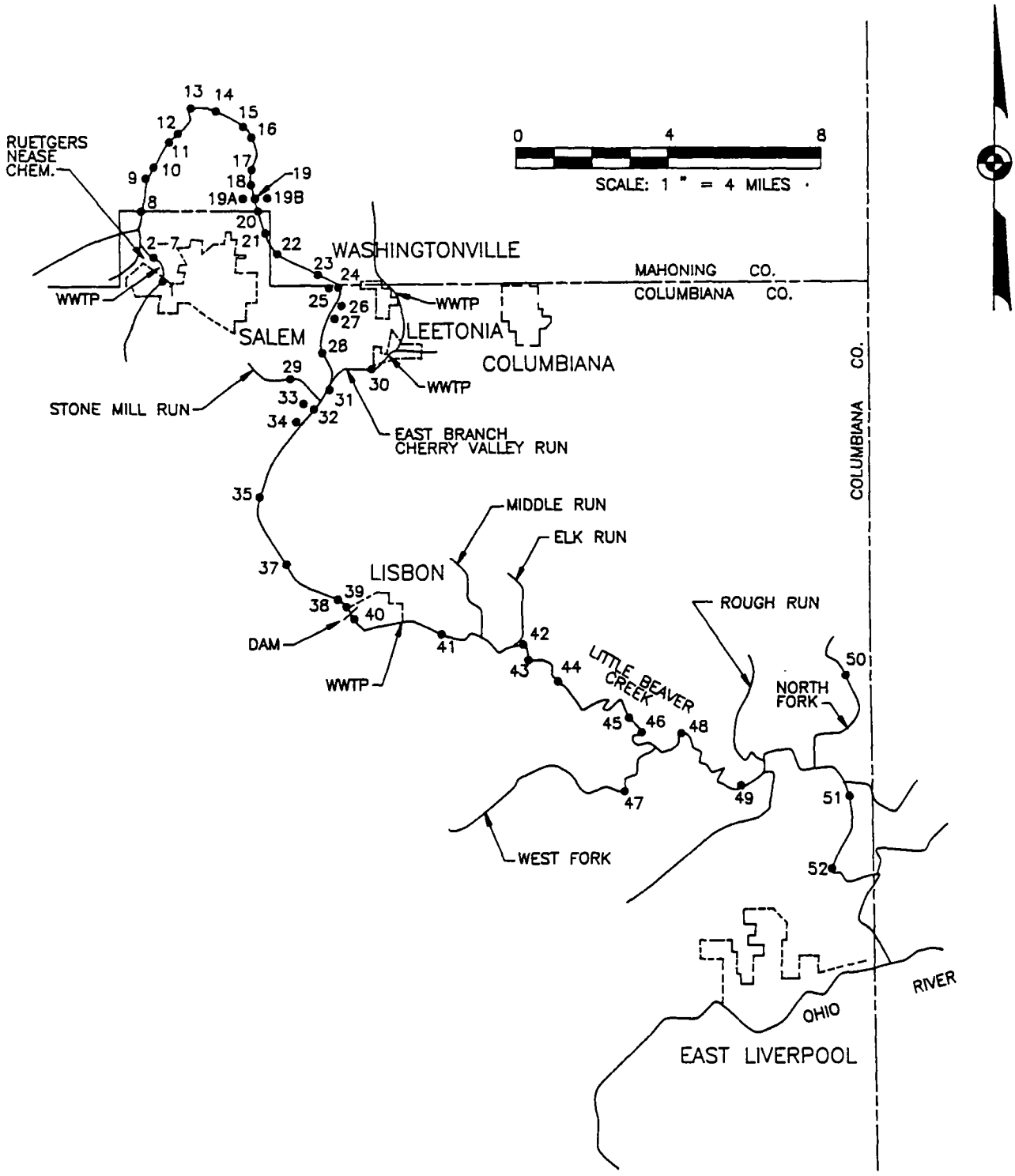
$$Vv = 1 - Vs$$

MFLBC SURFACE WATER

- VOLATILE COMPOUNDS
- VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS
- SEMIVOLATILE 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).
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.



SCHEMATIC SAMPLING MAP FOR MIDDLE FORK LITTLE BEAVER CREEK RUETGERS–NEASE RI/FS SALEM, OHIO	FIGURE 6–1

ERM-Midwest, inc.
Environmental Resources Management

PROJECT\2020107\07FG6–1.DWG

#6B
#6C
#6D
FEEDER POND
#6A
SLANKER POND
#7
RM37.4MF
BEECHWOOD ROAD
GAS PIPELINE
SOIL/SLUDGE AREA
POND 4
POND 7
POND 3
#5
RM37.6MF
#4
RM38.0MF
CRANE–DEMING COMPANY
INACTIVE (APPROX. LOCATION) MIDDLE LANDFILL
#3
RM38.2MF
FORK
#2
RM38.4MF
GARFIELD RD.
ALLEN ROAD
LITTLE BEAVER CREEK
PENNSYLVANIA AVENUE
#1
RM38.6MF
ABOVE WWTP
SALEM WASTE WATER TREATMENT PLANT
STATE ROUTE 14

400' 0 400 FT.

LEGEND

- SITE BOUNDARY
- FENCE
- RAILROAD TRACKS
- SURFACE WATER DRAINAGE
- #6D LAB SAMPLE NUMBER
- ▲ SAMPLING STATION

MFLBC SAMPLING STATIONS IN THE VICINITY OF THE SITE
RUETGERS–NEASE SALEM, OHIO RI/FS

FIGURE 2–14

ERM ERM-Midwest, inc.
Environmental Resources Management

PROJECT\ 202–01–07\ 07FG2–14.DWG

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-01	SW-62	SW-01-106	SW-01-203	SW-02	SW-03	SW-04	SW-05	SW-05-MS	SW-05-SD
Remarks			Dup. of SW-01	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
VOLATILE COMPOUNDS	Quantitation Limit (Aq)										
Chloromethane	10							3.0 J			4.0 J
Bromomethane	10										
Vinyl Chloride	10										
Chloroethane	10										
Methylene Chloride	5.0	5.0 U		4.0 J	6.0 J	9.0 U		7.0 U		5.0 U	5.0 U
Acetone	10				6.0 J	12 U				10 U	14 U
Carbon Disulfide	5.0										
1,1-Dichloroethene	5.0								UL	S	S
1,1-Dichloroethane	5.0									S	S
1,2-Dichloroethene (total)	5.0										
Chloroform	5.0										
1,2-Dichloroethane	5.0	R	R								
2-Butanone	10										
1,1,1-Trichloroethane	5.0										
Carbon Tetrachloride	5.0										
Vinyl Acetate	10										
Bromodichloromethane	5.0										
1,1,2,2-Tetrachloroethane	5.0										
1,2-Dichloropropane	5.0										
trans-1,3-Dichloropropene	5.0										
Trichloroethene	5.0								UL	S	S
Dibromochloromethane	5.0										
1,1,2-Trichloroethane	5.0										
Benzene	5.0									S	S
cis-1,3-Dichloropropene	5.0										

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-01	SW-62	SW-01-106	SW-01-203	SW-02	SW-03	SW-04	SW-05	SW-05-MS	SW-05-SD
Remarks			Dup. of SW-01	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
Bromoform	5.0										
2-Hexanone	10										
4-Methyl-2-Pentanone	10										
Tetrachloroethene	5.0										
Toluene	5.0								UL	S	S
Chlorobenzene	5.0								UL	S	S
Ethylbenzene	5.0										
Styrene	5.0										
Xylene (total)	5.0										
Quantitation Limit Multiplier		0.15	0.15	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Date Sample Received by Laboratory		05/22/90	05/22/90	04/24/90	04/24/90	04/24/90	04/24/90	04/24/90	05/22/90	05/22/90	04/24/90
Date of Sample Analysis		05/26/90	05/26/90	05/04/90	05/04/90	05/03/90	05/04/90	05/03/90	05/26/90	05/30/90	05/04/90
Instrument Used for Analysis		MS-V4	MS-V4	MS-V1	MS-V4	MS-V2	MS-V4	MS-V2	MS-V3	MS-V2	MS-V4
TENTATIVELY IDENTIFIED COMPOUNDS											
VOLATILE COMPONENTS		-	-	-	-	-	-	-	-	NA	NA
ethane, 1,1,2-Trichloro-1,2										NA	NA

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-01	SW-62	SW-01-106	SW-01-203	SW-02	SW-03	SW-04	SW-05	SW-05-MS	SW-05-SD
Remarks			Dup. of SW-01	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
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)										
Phenol	10				NA					S	S
bis(2-Chloroethyl)Ether	10				NA						
2-Chlorophenol	10				NA					S	S
1,3-Dichlorobenzene	10				NA						
1,4-Dichlorobenzene	10				NA					S	S
Benzyl Alcohol	10				NA						
1,2-Dichlorobenzene	10				NA						
2-Methylphenol	10				NA						
bis(2-Chloroisopropyl)Ether	10				NA						
4-Methylphenol	10				NA						
N-Nitroso-Di-n-Propylamine	10				NA					S	S
Hexachloroethane	10				NA						
Nitrobenzene	10				NA						
Isophorone	10				NA						
2-Nitrophenol	10				NA						
2,4-Dimethylphenol	10				NA						
Benzoic Acid	50				NA						
bis(2-Chloroethoxy)Methane	10				NA						
2,4-Dichlorophenol	10				NA						
1,2,4-Trichlorobenzene	10				NA					S	S
Naphthalene	10				NA						
4-Chloroaniline	10				NA						
Hexachlorobutadiene	10				NA						
4-Chloro-3-Methylphenol	10				NA					S	S
2-Methylnaphthalene	10				NA						

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-01	SW-62	SW-01-106	SW-01-203	SW-02	SW-03	SW-04	SW-05	SW-05-MS	SW-05-SD
Remarks			Dup. of SW-01	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
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					S	S
2,4-Dinitrophenol	50				NA						
4-Nitrophenol	50				NA					S	S
Dibenzofuran	10				NA						
2,4-Dinitrotoluene	10				NA					S	S
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					S	S
Phenanthrene	10				NA						
Anthracene	10				NA						
Di-n-Butylphthalate	10				NA						

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-01	SW-62	SW-01-106	SW-01-203	SW-02	SW-03	SW-04	SW-05	SW-05-MS	SW-05-SD
Remarks			Dup. of SW-01	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
Fluoranthene	10				NA						
Pyrene	10				NA					S	S
Butylbenzylphthalate	10				NA						
3,3'-Dichlorobenzidine	20				NA						
Benzo(a)Anthracene	10				NA						
Chrysene	10				NA						
bis(2-Ethylhexyl)Phthalate	10	0.6 J			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						
Dibenzo(a,h)Anthracene	10				NA						
Benzo(g,h,i)Perylene	10				NA						
Diphenylsulfone	10				NA					S	S
3,4-Dichloronitrobenzene	10				NA						
Quantitation Limit Multiplier		0.2	0.2	1.0	NA	1.0	1.0	1.0	1.0	1.0	1.0
Date Sample Received by Laboratory		04/24/90	04/24/90	04/24/90	NA	04/24/90	04/24/90	04/24/90	04/24/90	04/24/90	04/24/90
Date Sample Extracted		04/24/90	04/24/90	04/24/90	NA	04/24/90	04/24/90	04/24/90	04/24/90	04/24/90	04/24/90
Date of Sample Analysis		05/5/90	05/5/90	05/10/90	NA	05/10/90	05/10/90	05/10/90	05/10/90	05/10/90	05/10/90
Instrument Used for Analysis		GCMSS6	GCMSS6	GCMSS6	NA	GCMSS6	GCMSS6	GCMSS6	GCMSS6	GCMSS6	GCMSS6
TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concentrations											
SEMIVOLATILE COMPONENTS		-	-	-	NA	-	-	-	-	NA	NA
Octadecene isomer					NA					NA	NA

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-01	SW-62	SW-01-106	SW-01-203	SW-02	SW-03	SW-04	SW-05	SW-05-MS	SW-05-SD
Remarks			Dup. of SW-01	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
PESTICIDES	Quantitation Limit (Aq)										
alpha-BHC	0.05				NA						
beta-BHC	0.05				NA						
delta-BHC	0.05				NA						
gamma-BHC (Lindane)	0.05				NA					S	S
Heptachlor	0.05				NA					S	S
Aldrin	0.05				NA					S	S
Heptachlor epoxide	0.05				NA						
Endosulfan I	0.05				NA						
Dieldrin	0.10				NA					S	S
4,4'-DDE	0.10				NA						
Endrin	0.10				NA					S	S
Endosulfan II	0.10				NA						
4,4'-DDD	0.10				NA						
Endosulfan sulfate	0.10				NA						
4,4'-DDT	0.10				NA					S	S
Methoxychlor	0.50				NA						
Endrin ketone	0.10				NA						
alpha-Chlordane	0.10				NA						
gamma-Chlordane	0.10				NA						
Toxaphene	1.0				NA						

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-01	SW-62	SW-01-106	SW-01-203	SW-02	SW-03	SW-04	SW-05	SW-05-MS	SW-05-SD
Remarks			Dup. of SW-01	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
PCBs	Quantitation Limit (Aq)										
Aroclor-1016	0.5				NA						
Aroclor-1221	0.5				NA						
Aroclor-1232	0.5				NA						
Aroclor-1242	0.5				NA						
Aroclor-1248	0.5				NA						
Aroclor-1254	1.0				NA						
Aroclor-1260	1.0				NA						
Quantitation Limit Multiplier		1.0	1.0	1.0	NA	1.0	1.0	1.0	1.0	1.0	1.0
Date Sample Received by Laboratory		04/24/90	04/24/90	04/24/90	NA	04/24/90	04/24/90	04/24/90	04/24/90	04/24/90	04/24/90
Date Sample Extracted		04/25/90	04/25/90	04/25/90	NA	04/25/90	04/25/90	04/25/90	04/25/90	04/25/90	04/25/90
Date of Sample Analysis		05/22/90	05/22/90	05/15/90	NA	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90
Instrument Used for Analysis		MS-24	MS-24	MS-24	NA	MS-24	MS-24	MS-24	MS-24	MS-24	MS-24

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-01	SW-62	SW-01-106	SW-01-203	SW-02	SW-03	SW-04	SW-05	SW-05-MS	SW-05-SD
Remarks			Dup. of SW-01	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
COMPOUNDS	Quantitation Limit										
Kepone	0.132									S	S
Photomirex	0.0474									S	S
Mirex	0.00544									S	S
Date 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	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	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	05/23/90	05/24/90
Instrument Used for Analysis		GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-61	SW-6C	SW-6C-104	SW-6C-201	SW-07	SW-07MS	SW-07SD	SW-08	SW-08-200	SW-13
Remarks		Dup. of SW-6C		Field Blank	Trip Blank					Trip Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)										
Chloromethane	10										NA
Bromomethane	10										NA
Vinyl Chloride	10										NA
Chloroethane	10										NA
Methylene Chloride	5.0	5.0 U		3.0 J	3.0 J	5.0 U	5.0 U		5.0 U		NA
Acetone	10			9.0 J	13 J		12 U				NA
Carbon Disulfide	5.0										NA
1,1-Dichloroethene	5.0						S	S			NA
1,1-Dichloroethane	5.0										NA
1,2-Dichloroethene (total)	5.0										NA
Chloroform	5.0										NA
1,2-Dichloroethane	5.0						1.0 J				NA
2-Butanone	10										NA
1,1,1-Trichloroethane	5.0										NA
Carbon Tetrachloride	5.0										NA
Vinyl Acetate	10										NA
Bromodichloromethane	5.0										NA
1,1,2,2-Tetrachloroethane	5.0										NA
1,2-Dichloropropane	5.0										NA
trans-1,3-Dichloropropene	5.0										NA
Trichloroethene	5.0						S	S			NA
Dibromochloromethane	5.0										NA
1,1,2-Trichloroethane	5.0										NA
Benzene	5.0						S	S			NA
cis-1,3-Dichloropropene	5.0										NA

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-61	SW-6C	SW-6C-104	SW-6C-201	SW-07	SW-07MS	SW-07SD	SW-08	SW-08-200	SW-13
Remarks		Dup. of SW-6C		Field Blank	Trip Blank					Trip Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Bromoform	5.0										NA
2-Hexanone	10										NA
4-Methyl-2-Pentanone	10										NA
Tetrachloroethene	5.0										NA
Toluene	5.0						S	S			NA
Chlorobenzene	5.0						S	S			NA
Ethylbenzene	5.0										NA
Styrene	5.0										NA
Xylene (total)	5.0										NA
Quantitation Limit Multiplier		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	NA
Date Sample Received by Laboratory		04/23/90	04/23/90	04/23/90	04/23/90	04/21/90	04/21/90	04/21/90	04/21/90	04/21/90	NA
Date of Sample Analysis		05/03/90	05/03/90	05/03/90	05/03/90	05/01/90	05/01/90	05/05/90	04/29/90	05/05/90	NA
Instrument Used for Analysis		MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V4	MS-V1	MS-V4	NA
TENTATIVELY IDENTIFIED COMPOUNDS											
VOLATILE COMPONENTS		-	-	-	-		NA	NA	-	-	NA
ethane, 1,1,2-Trichloro-1,2						76 J	NA	NA			NA

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-61	SW-6C	SW-6C-104	SW-6C-201	SW-07	SW-07MS	SW-07SD	SW-08	SW-08-200	SW-13
Remarks		Dup. of SW-6C		Field Blank	Trip Blank					Trip Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)										
Phenol	10				NA		S	S		NA	
bis(2-Chloroethyl)Ether	10				NA					NA	
2-Chlorophenol	10				NA		S	S		NA	
1,3-Dichlorobenzene	10				NA					NA	
1,4-Dichlorobenzene	10				NA		S	S		NA	
Benzyl Alcohol	10				NA					NA	
1,2-Dichlorobenzene	10				NA					NA	
2-Methylphenol	10				NA					NA	
bis(2-Chloroisopropyl)Ether	10				NA					NA	
4-Methylphenol	10				NA					NA	
N-Nitroso-Di-n-Propylamine	10				NA		S	S		NA	
Hexachloroethane	10				NA					NA	
Nitrobenzene	10				NA					NA	
Isophorone	10				NA					NA	
2-Nitrophenol	10				NA					NA	
2,4-Dimethylphenol	10				NA					NA	
Benzoic Acid	50				NA					NA	
bis(2-Chloroethoxy)Methane	10				NA					NA	
2,4-Dichlorophenol	10				NA					NA	
1,2,4-Trichlorobenzene	10				NA		S	S		NA	
Naphthalene	10				NA					NA	
4-Chloroaniline	10				NA					NA	
Hexachlorobutadiene	10				NA					NA	
4-Chloro-3-Methylphenol	10				NA		S	S		NA	
2-Methylnaphthalene	10				NA					NA	

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-61	SW-6C	SW-6C-104	SW-6C-201	SW-07	SW-07MS	SW-07SD	SW-08	SW-08-200	SW-13
Remarks		Dup. of SW-6C		Field Blank	Trip Blank					Trip Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Hexachlorocyclopentadiene	10				NA					NA	
2,4,6-Trichlorophenol	10				NA					NA	
2,4,5-Trichlorophenol	50				NA					NA	
2-Chloronaphthalene	10				NA					NA	
2-Nitroaniline	50				NA					NA	
Dimethyl Phthalate	10				NA					NA	
Acenaphthylene	10				NA		S	S		NA	
3-Nitroaniline	50				NA					NA	
Acenaphthene	10				NA		S	S		NA	
2,4-Dinitrophenol	50				NA					NA	
4-Nitrophenol	50				NA		S	S		NA	
Dibenzofuran	10				NA					NA	
2,4-Dinitrotoluene	10				NA					NA	
2,6-Dinitrotoluene	10				NA					NA	
Diethylphthalate	10				NA					NA	
4-Chlorophenyl-phenylether	10				NA					NA	
Fluorene	10				NA					NA	
4-Nitroaniline	50				NA					NA	
4,6-Dinitro-2-Methylphenol	50				NA					NA	
N-Nitrosodiphenylamine (1)	10				NA					NA	
4-Bromophenyl-phenylether	10				NA					NA	
Hexachlorobenzene	10				NA					NA	
Pentachlorophenol	10				NA		S	S		NA	
Phenanthrene	10				NA					NA	
Anthracene	10				NA					NA	
Di-n-Butylphthalate	10				NA					NA	

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-61	SW-6C	SW-6C-104	SW-6C-201	SW-07	SW-07MS	SW-07SD	SW-08	SW-08-200	SW-13
Remarks		Dup. of SW-6C		Field Blank	Trip Blank					Trip Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Fluoranthene	10				NA					NA	
Pyrene	10				NA		S	S		NA	
Butylbenzylphthalate	10				NA					NA	
3,3'-Dichlorobenzidine	20				NA					NA	
Benzo(a)Anthracene	10				NA					NA	
Chrysene	10				NA					NA	
bis(2-Ethylhexyl)Phthalate	10				NA					NA	
Di-n-Octyl Phthalate	10				NA					NA	
Benzo(b)Fluoranthene	10				NA					NA	
Benzo(k)Fluoranthene	10				NA					NA	
Benzo(a)Pyrene	10				NA					NA	
Indeno(1,2,3-cd)Pyrene	10				NA					NA	
Dibenzo(a,h)Anthracene	10				NA					NA	
Benzo(g,h,i)Perylene	10				NA					NA	
Diphenylsulfone	10				NA	2.0 J	S	S		NA	
3,4-Dichloronitrobenzene	10				NA					NA	
Quantitation Limit Multiplier		1.0	1.0	1.0	NA	1.0	1.0	1.0	1.0	NA	1.0
Date Sample Received by Laboratory		04/23/90	04/23/90	04/23/90	NA	04/21/90	04/21/90	04/21/90	04/21/90	NA	04/21/90
Date Sample Extracted		04/23/90	04/23/90	04/23/90	NA	04/23/90	04/23/90	04/23/90	04/23/90	NA	04/23/90
Date of Sample Analysis		05/09/90	05/09/90	05/09/90	NA	05/09/90	05/09/90	05/09/90	05/09/90	NA	05/09/90
Instrument Used for Analysis		GCMSS6	GCMSS6	GCMSS6	NA	GCMSS6	GCMSS6	GCMSS6	GCMSS6	NA	GCMSS6
TENTATIVELY IDENTIFIED COMPOUNDS - Estim											
SEMIVOLATILE COMPONENTS		-	-	-	NA	-	NA	NA	-	NA	-
Octadecene isomer					NA		NA	NA		NA	

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-61	SW-6C	SW-6C-104	SW-6C-201	SW-07	SW-07MS	SW-07SD	SW-08	SW-08-200	SW-13
Remarks		Dup. of SW-6C		Field Blank	Trip Blank					Trip Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES	Quantitation Limit (Aq)										
alpha-BHC	0.05				NA					NA	
beta-BHC	0.05				NA					NA	
delta-BHC	0.05				NA					NA	
gamma-BHC (Lindane)	0.05				NA		S	S		NA	
Heptachlor	0.05				NA		S	S		NA	
Aldrin	0.05				NA		S	S		NA	
Heptachlor epoxide	0.05				NA					NA	
Endosulfan I	0.05				NA					NA	
Dieldrin	0.10				NA		S	S		NA	
4,4'-DDE	0.10				NA					NA	
Endrin	0.10				NA		S	S		NA	
Endosulfan II	0.10				NA					NA	
4,4'-DDD	0.10				NA					NA	
Endosulfan sulfate	0.10				NA					NA	
4,4'-DDT	0.10				NA		S	S		NA	
Methoxychlor	0.50				NA					NA	
Endrin ketone	0.10				NA					NA	
alpha-Chlordane	0.10				NA					NA	
gamma-Chlordane	0.10				NA					NA	
Toxaphene	1.0				NA					NA	

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-61	SW-6C	SW-6C-104	SW-6C-201	SW-07	SW-07MS	SW-07SD	SW-08	SW-08-200	SW-13
Remarks		Dup. of SW-6C		Field Blank	Trip Blank					Trip Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PCBs	Quantitation Limit (Aq)										
Aroclor-1016	0.5				NA					NA	
Aroclor-1221	0.5				NA					NA	
Aroclor-1232	0.5				NA					NA	
Aroclor-1242	0.5				NA					NA	
Aroclor-1248	0.5				NA					NA	
Aroclor-1254	1.0				NA					NA	
Aroclor-1260	1.0				NA					NA	
Quantitation Limit Multiplier		1.0	1.0	1.0	NA	1.0	1.0	1.0	1.0	NA	1.0
Date Sample Received by Laboratory		04/23/90	04/23/90	04/23/90	NA	4/21/90	4/21/90	4/21/90	4/21/90	NA	4/21/90
Date Sample Extracted		04/23/90	04/23/90	04/23/90	NA	04/23/90	04/23/90	04/23/90	04/23/90	NA	04/23/90
Date of Sample Analysis		05/27/90	05/27/90	05/27/90	NA	05/09/90	05/09/90	05/09/90	05/09/90	NA	05/09/90
Instrument Used for Analysis		MS-18	MS-18	MS-18	NA	15	15	15	15	NA	15

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-61	SW-6C	SW-6C-104	SW-6C-201	SW-07	SW-07MS	SW-07SD	SW-08	SW-08-200	SW-13
Remarks		Dup. of SW-6C		Field Blank	Trip Blank					Trip Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUNDS	Quantitation Limit										
Kepone	0.132				NA		S	S		NA	
Photomirex	0.0474				NA		S	S		NA	
Mirex	0.00544				NA		S	S		NA	
Date Received by Laboratory		04/23/90	04/23/90	04/23/90	NA	04/21/90	04/21/90	04/21/90	04/21/90	NA	04/21/90
Date Sample Extracted		04/24/90	04/24/90	04/24/90	NA	04/24/90	04/24/90	04/24/90	04/24/90	NA	04/24/90
Date of Sample Analysis		05/22/90	05/22/90	05/22/90	NA	05/10/90	05/11/90	05/11/90	05/10/90	NA	05/11/90
Instrument Used for Analysis		GCMSS3	GCMSS3	GCMSS3	NA	GCMSS3	GCMSS3	GCMSS3	GCMSS3	NA	GCMSS3

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-13-103	SW-18	SW-20	SW-23	SW-28	SW-29	SW-30	SW-35	SW-35-102	SW-40
Remarks		Field Blank								Field Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)										
Chloromethane	10		NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	10		NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	10		NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	10		NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	5.0	16 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	10		NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Acetate	10		NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-13-103	SW-18	SW-20	SW-23	SW-28	SW-29	SW-30	SW-35	SW-35-102	SW-40
Remarks		Field Blank								Field Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Bromoform	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	10		NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	10		NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylene (total)	5.0		NA	NA	NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier		1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Date Sample Received by Laboratory		04/21/90	NA	NA	NA	NA	NA	NA	NA	NA	NA
Date of Sample Analysis		04/29/90	NA	NA	NA	NA	NA	NA	NA	NA	NA
Instrument Used for Analysis		MS-V1	NA	NA	NA	NA	NA	NA	NA	NA	NA
TENTATIVELY IDENTIFIED COMPOUNDS											
VOLATILE COMPONENTS		-	NA	NA	NA	NA	NA	NA	NA	NA	NA
ethane, 1,1,2-Trichloro-1,2			NA	NA	NA	NA	NA	NA	NA	NA	NA

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-13-103	SW-18	SW-20	SW-23	SW-28	SW-29	SW-30	SW-35	SW-35-102	SW-40
Remarks		Field Blank								Field Blank	
Units		ug/L	ug/L	ug/L	ug/L	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										
Benzyl Alcohol	10										
1,2-Dichlorobenzene	10										
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										
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										

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-13-103	SW-18	SW-20	SW-23	SW-28	SW-29	SW-30	SW-35	SW-35-102	SW-40
Remarks		Field Blank								Field Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
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										

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-13-103	SW-18	SW-20	SW-23	SW-28	SW-29	SW-30	SW-35	SW-35-102	SW-40
Remarks		Field Blank								Field Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Fluoranthene	10										
Pyrene	10										
Butylbenzylphthalate	10										
3,3'-Dichlorobenzidine	20										
Benzo(a)Anthracene	10										
Chrysene	10										
bis(2-Ethylhexyl)Phthalate	10				3.0 J		2.0 J		3.0 J		2.0 J
Di-n-Octyl Phthalate	10										
Benzo(b)Fluoranthene	10										
Benzo(k)Fluoranthene	10										
Benzo(a)Pyrene	10										
Indeno(1,2,3-cd)Pyrene	10										
Dibenzo(a,h)Anthracene	10										
Benzo(g,h,i)Perylene	10										
Diphenylsulfone	10										
3,4-Dichloronitrobenzene	10										
Quantitation Limit Multiplier		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Date Sample Received by Laboratory		04/21/90	04/21/90	04/20/90	04/20/90	04/20/90	04/20/90	04/20/90	04/20/90	04/20/90	04/20/90
Date Sample Extracted		04/23/90	04/23/90	04/20/90	04/20/90	04/20/90	04/20/90	04/20/90	04/20/90	04/20/90	04/20/90
Date of Sample Analysis		05/09/90	05/09/90	05/05/90	04/29/90	04/29/90	04/29/90	04/29/90	04/29/90	04/29/90	04/29/90
Instrument Used for Analysis		GCMSS6	GCMSS6	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2
TENTATIVELY IDENTIFIED COMPOUNDS - Estim											
SEMIVOLATILE COMPONENTS		-	-	-		-	-	-	-	-	-
Octadecene isomer					7.2 J						

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-13-103	SW-18	SW-20	SW-23	SW-28	SW-29	SW-30	SW-35	SW-35-102	SW-40
Remarks		Field Blank								Field Blank	
Units		ug/L	ug/L	ug/L	ug/L	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										
Aldrin	0.05										
Heptachlor epoxide	0.05										
Endosulfan I	0.05										
Dieldrin	0.10										
4,4'-DDE	0.10										
Endrin	0.10										
Endosulfan II	0.10										
4,4'-DDD	0.10										
Endosulfan sulfate	0.10										
4,4'-DDT	0.10										
Methoxychlor	0.50										
Endrin ketone	0.10										
alpha-Chlordane	0.10										
gamma-Chlordane	0.10										
Toxaphene	1.0										

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-13-103	SW-18	SW-20	SW-23	SW-28	SW-29	SW-30	SW-35	SW-35-102	SW-40
Remarks		Field Blank								Field Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PCBs	Quantitation Limit (Aq)										
Aroclor-1016	0.5										
Aroclor-1221	0.5										
Aroclor-1232	0.5										
Aroclor-1242	0.5										
Aroclor-1248	0.5										
Aroclor-1254	1.0										
Aroclor-1260	1.0										
Quantitation Limit Multiplier		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Date Sample Received by Laboratory		4/21/90	4/21/90	4/20/90	4/20/90	4/20/90	4/20/90	4/20/90	4/20/90	4/20/90	4/20/90
Date Sample Extracted		04/23/90	04/23/90	04/20/90	04/20/90	04/20/90	04/20/90	04/20/90	04/20/90	04/20/90	04/20/90
Date of Sample Analysis		05/09/90	05/09/90	04/29/90	04/28/90	04/28/90	04/29/90	04/28/90	04/28/90	04/28/90	04/28/90
Instrument Used for Analysis		15	15	MS-24	MS-24	MS-24	MS-24	MS-24	MS-24	MS-24	MS-24

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-13-103	SW-18	SW-20	SW-23	SW-28	SW-29	SW-30	SW-35	SW-35-102	SW-40
Remarks		Field Blank								Field Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUNDS	Quantitation Limit										
Kepone	0.132										
Photomirex	0.0474										
Mirex	0.00544										
Date Received by Laboratory		04/21/90	04/21/90	04/20/90	04/20/90	04/20/90	04/20/90	04/20/90	04/20/90	04/20/90	04/20/90
Date Sample Extracted		04/24/90	04/24/90	04/20/90	04/20/90	04/20/90	04/20/90	04/20/90	04/20/90	04/20/90	04/20/90
Date of Sample Analysis		05/10/90	05/10/90	04/26/90	04/26/90	04/26/90	04/26/90	04/26/90	04/26/90	04/26/90	04/26/90
Instrument Used for Analysis		GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-60	SW-42	SW-42-101	SW-47	SW-48	SW-50	SW-50-100	SW-52
Remarks		Dup. of SW-40		Field 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	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	10	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	10	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	10	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	5.0	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	10	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	5.0	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	5.0	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5.0	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	5.0	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	5.0	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	5.0	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	10	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5.0	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	5.0	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Acetate	10	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	5.0	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5.0	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	5.0	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	5.0	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5.0	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	5.0	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	5.0	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	5.0	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	5.0	NA	NA	NA	NA	NA	NA	NA	NA

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-60	SW-42	SW-42-101	SW-47	SW-48	SW-50	SW-50-100	SW-52
Remarks		Dup. of SW-40		Field Blank				Field Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Bromoform	5.0	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	10	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	10	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5.0	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5.0	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5.0	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5.0	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5.0	NA	NA	NA	NA	NA	NA	NA	NA
Xylene (total)	5.0	NA	NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier		NA	NA	NA	NA	NA	NA	NA	NA
Date Sample Received by Laboratory		NA	NA	NA	NA	NA	NA	NA	NA
Date of Sample Analysis		NA	NA	NA	NA	NA	NA	NA	NA
Instrument Used for Analysis		NA	NA	NA	NA	NA	NA	NA	NA
TENTATIVELY IDENTIFIED COMPOUNDS									
VOLATILE COMPONENTS		NA	NA	NA	NA	NA	NA	NA	NA
ethane, 1,1,2-Trichloro-1,2		NA	NA	NA	NA	NA	NA	NA	NA

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-60	SW-42	SW-42-101	SW-47	SW-48	SW-50	SW-50-100	SW-52
Remarks		Dup. of SW-40		Field Blank				Field Blank	
Units		ug/L	ug/L	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								
Benzyl Alcohol	10								
1,2-Dichlorobenzene	10								
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								
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								

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-60	SW-42	SW-42-101	SW-47	SW-48	SW-50	SW-50-100	SW-52
Remarks		Dup. of SW-40		Field Blank				Field Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
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								

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-60	SW-42	SW-42-101	SW-47	SW-48	SW-50	SW-50-100	SW-52
Remarks		Dup. of SW-40		Field Blank				Field Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Fluoranthene	10								
Pyrene	10								
Butylbenzylphthalate	10								
3,3'-Dichlorobenzidine	20								
Benzo(a)Anthracene	10								
Chrysene	10								
bis(2-Ethylhexyl)Phthalate	10		6.0 J						
Di-n-Octyl Phthalate	10								
Benzo(b)Fluoranthene	10								
Benzo(k)Fluoranthene	10								
Benzo(a)Pyrene	10								
Indeno(1,2,3-cd)Pyrene	10								
Dibenzo(a,h)Anthracene	10								
Benzo(g,h,i)Perylene	10								
Diphenylsulfone	10								
3,4-Dichloronitrobenzene	10								
Quantitation Limit Multiplier		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Date Sample Received by Laboratory		04/20/90	04/19/90	04/19/90	04/19/90	04/19/90	04/18/90	04/18/90	04/18/90
Date Sample Extracted		04/20/90	04/19/90	04/19/90	04/19/90	04/19/90	04/18/90	04/18/90	04/18/90
Date of Sample Analysis		04/29/90	04/28/90	04/28/90	04/28/90	04/28/90	04/28/90	04/28/90	04/28/90
Instrument Used for Analysis		GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2
TENTATIVELY IDENTIFIED COMPOUNDS - Estim									
SEMIVOLATILE COMPONENTS		-	-	-	-	-	-	-	-
Octadecene isomer									

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-60	SW-42	SW-42-101	SW-47	SW-48	SW-50	SW-50-100	SW-52
Remarks		Dup. of SW-40		Field Blank				Field Blank	
Units		ug/L	ug/L	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								
Aldrin	0.05								
Heptachlor epoxide	0.05								
Endosulfan I	0.05								
Dieldrin	0.10								
4,4'-DDE	0.10								
Endrin	0.10								
Endosulfan II	0.10								
4,4'-DDD	0.10								
Endosulfan sulfate	0.10								
4,4'-DDT	0.10								
Methoxychlor	0.50								
Endrin ketone	0.10								
alpha-Chlordane	0.10								
gamma-Chlordane	0.10								
Toxaphene	1.0								

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-60	SW-42	SW-42-101	SW-47	SW-48	SW-50	SW-50-100	SW-52
Remarks		Dup. of SW-40		Field Blank				Field Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PCBs	Quantitation Limit (Aq)								
Aroclor-1016	0.5								
Aroclor-1221	0.5								
Aroclor-1232	0.5								
Aroclor-1242	0.5								
Aroclor-1248	0.5								
Aroclor-1254	1.0								
Aroclor-1260	1.0								
Quantitation Limit Multiplier		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Date Sample Received by Laboratory		4/20/90	4/19/90	4/19/90	4/19/90	4/19/90	4/18/90	4/18/90	4/18/90
Date Sample Extracted		04/20/90	04/19/90	04/19/90	04/19/90	04/19/90	04/18/90	04/18/90	04/18/90
Date of Sample Analysis		04/29/90	04/28/90	04/28/90	04/28/90	04/28/90	04/28/90	04/28/90	04/28/90
Instrument Used for Analysis		MS-24	MS-24	MS-24	MS-24	MS-24	MS-24	MS-24	MS-24

MFLBC SURFACE WATER SAMPLES

ERM-Midwest Sample Number		SW-60	SW-42	SW-42-101	SW-47	SW-48	SW-50	SW-50-100	SW-52
Remarks		Dup. of SW-40		Field Blank				Field Blank	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUNDS	Quantitation Limit								
Kepone	0.132								
Photomirex	0.0474								
Mirex	0.00544								
Date Received by Laboratory		04/20/90	04/19/90	04/19/90	04/19/90	04/19/90	04/18/90	04/18/90	04/18/90
Date Sample Extracted		04/20/90	04/19/90	04/19/90	04/19/90	04/19/90	04/18/90	04/18/90	04/18/90
Date of Sample Analysis		04/26/90	05/04/90	05/04/90	05/04/90	05/04/90	05/03/90	05/03/90	05/03/90
Instrument Used for Analysis		GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3

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
[illegible]ratory File Number			6062-07	6062-07D	6062-08	6062-09	6062-11
[illegible]arks						Field Blank	Trip Blank
Units			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				
[illegible]-Trichloroethane	5.0	5.0	4.0 J				
[illegible]ne	5.0	5.0	140 J	90 J			
cis-1,3-Dichloropropene	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-Dichloroethene (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

VOLATILE ORGANIC ANALYSES -						
ERM-Midwest Sample Number		RNS-	SW-72-113	SW-73	SW-73-207	SW-74
[illegible]atory File Number			7684-04	7765-01	7765-05	7765-02
[illegible]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				
[illegible]Trichloroethane	5.0	5.0				
[illegible]ne	5.0	5.0				
cis-1,3-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

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 Multiplie		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
oratory File Number		6062-06DL	6062-05	7684-05	7684-04	7765-01	7765-02
narks					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						
xachlorocyclopentadiene	10						
,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						
enzo(a)Anthracene	10						
ysene	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 Multiplie		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			

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

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	7684-02	7684-01	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	UJ				UJ	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	UJ				UJ				
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	UJ	UJ	UJ	UJ	UJ				
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
Laboratory Sample Number			S023	S024	S014	S015
Remarks						Dup SD-55
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation 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
Hexachlorocyclopentadiene	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

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 Limit (Aq)	Quantitation 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
arks					Field Blank	
Units			ug/Kg	ug/Kg	ug/L	ug/Kg
SEMIVOLATILE COMPOUNDS	Quantitation	Quantitation				
	Limit (Aq)	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	
lexachlorocyclopentadiene	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	

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	60 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
ratory Sample Number			S020	7684-01	7684-02	7765-03	7765-04
rks				Field Blank			DUP SD-73
			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					
exachlorocyclopentadiene	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					

EXTRACTABLE ORGANIC ANALYSIS							
ERM-Midwest Sample Number			RNS-SD-59	RNS-SD-72-114	RNS-SD-72	RNS-SD-73	RNS-SD-7
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	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	12/1/90
Date Sample Extracted			11/25/92	12/5/90	12/5/90	12/5/90	12/5/90
Date of Sample Analysis			12/24/92	12/22/90	12/22/90	12/21/90	12/21/90
Instrument Used for Analysis			TRIO-1A	GSMSS1	GSMSS1	GSMSS1	GSMSS1

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

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			MO17	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	0.00544	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	8.9	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

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MFLBC SEDIMENT

- VOLATILE COMPOUNDS
- VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS
- SEMIVOLATILE 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).
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.

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-01	SD-65	SD-02	SD-03	SD-04	SD-05	SD-05-20	SD-6A	SD-6A-109	SD-6B
Remarks				Duplicate of SD-01					Trip Blank		Field Blank	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/L	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Chloromethane	10	10								NA	NA	NA
Bromomethane	10	10								NA	NA	NA
Vinyl Chloride	10	10								NA	NA	NA
Chloroethane	10	10								NA	NA	NA
Methylene Chloride	5.0	5.0	34 U	7 U	34 U	28 U	31 U	39 U	3.0 J	NA	NA	NA
Acetone	10	10	69 J	49	54 J		27 J	80 J		NA	NA	NA
Carbon Disulfide	5.0	5.0								NA	NA	NA
1,1-Dichloroethene	5.0	5.0								NA	NA	NA
1,1-Dichloroethane	5.0	5.0								NA	NA	NA
1,2-Dichloroethene (total)	5 0	5.0								NA	NA	NA
Chloroform	5.0	5.0								NA	NA	NA
1,2-Dichloroethane	5.0	5.0						2 J		NA	NA	NA
2-Butanone	10	10								NA	NA	NA
1,1,1-Trichloroethane	5.0	5.0								NA	NA	NA
Carbon Tetrachloride	5.0	5.0								NA	NA	NA
Vinyl Acetate	10	10								NA	NA	NA
Bromodichloromethane	5.0	5.0								NA	NA	NA
1,1,2,2-Tetrachloroethane	5.0	5.0								NA	NA	NA
1,2-Dichloropropane	5.0	5.0						18		NA	NA	NA
trans-1,3-Dichloropropene	5.0	5.0								NA	NA	NA
Trichloroethene	5.0	5.0								NA	NA	NA
Dibromochloromethane	5.0	5.0								NA	NA	NA
1,1,2-Trichloroethane	5.0	5.0								NA	NA	NA

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-01	SD-65	SD-02	SD-03	SD-04	SD-05	SD-05-20	SD-6A	SD-6A-109	SD-6B
Remarks				Duplicate of SD-01					Trip Blank		Field Blank	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/L	ug/kg
Benzene	5.0	5.0								NA	NA	NA
cis-1,3-Dichloropropene	5.0	5.0								NA	NA	NA
Bromoform	5.0	5.0								NA	NA	NA
2-Hexanone	10	10								NA	NA	NA
4-Methyl-2-Pentanone	10	10								NA	NA	NA
Tetrachloroethene	5.0	5.0								NA	NA	NA
Toluene	5.0	5.0	29 J	6 J						NA	NA	NA
Chlorobenzene	5.0	5.0								NA	NA	NA
Ethylbenzene	5.0	5.0								NA	NA	NA
Styrene	5.0	5.0								NA	NA	NA
Xylene (total)	5.0	5.0								NA	NA	NA
Quantitation Limit Multiplier			1.1	1.2	1.2	1.2	1.2	1.3	1.0	NA	NA	NA
Date Sample Received by Laboratory			05/03/90	05/03/90	05/03/90	05/03/90	05/03/90	05/03/90	05/03/90	NA	NA	NA
Date of Sample Analysis			05/10/90	05/10/90	05/10/90	05/10/90	05/10/90	05/10/90	05/11/90	NA	NA	NA
Instrument Used for Analysis			MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	MS-V1	V2	NA	NA	NA
TENTATIVELY IDENTIFIED COMPOUNDS												
VOLATILE COMPONENTS			-	-	-		-	-	-	NA	NA	NA
Ethane, 1,1,2-trichloro-1,2,2						6.1 J				NA	NA	NA

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-01	SD-65	SD-02	SD-03	SD-04	SD-05	SD-05-20	SD-6A	SD-6A-109	SD-6B
Remarks				Duplicate of SD-01					Trip Blank		Field Blank	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/L	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Phenol	10	330							NA	NA	NA	NA
bis(2-Chloroethyl)Ether	10	330							NA	NA	NA	NA
2-Chlorophenol	10	330							NA	NA	NA	NA
1,3-Dichlorobenzene	10	330							NA	NA	NA	NA
1,4-Dichlorobenzene	10	330							NA	NA	NA	NA
Benzyl Alcohol	10	330							NA	NA	NA	NA
1,2-Dichlorobenzene	10	330							NA	NA	NA	NA
2-Methylphenol	10	330							NA	NA	NA	NA
bis(2-Chloroisopropyl)Ether	10	330							NA	NA	NA	NA
4-Methylphenol	10	330	210 J	160 J	230 J	1700			NA	NA	NA	NA
N-Nitroso-Di-n-Propylamine	10	330							NA	NA	NA	NA
Hexachloroethane	10	330							NA	NA	NA	NA
Nitrobenzene	10	330							NA	NA	NA	NA
Isophorone	10	330							NA	NA	NA	NA
2-Nitrophenol	10	330							NA	NA	NA	NA
2,4-Dimethylphenol	10	330							NA	NA	NA	NA
Benzoic Acid	50	1650				210 J			NA	NA	NA	NA
bis(2-Chloroethoxy)Methane	10	330							NA	NA	NA	NA
2,4-Dichlorophenol	10	330							NA	NA	NA	NA
1,2,4-Trichlorobenzene	10	330							NA	NA	NA	NA
Naphthalene	10	330	49 J	51 J					NA	NA	NA	NA
4-Chloroaniline	10	330							NA	NA	NA	NA
Hexachlorobutadiene	10	330							NA	NA	NA	NA

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-01	SD-65	SD-02	SD-03	SD-04	SD-05	SD-05-20	SD-6A	SD-6A-109	SD-6B
Remarks				Duplicate of SD-01					Trip Blank		Field Blank	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/L	ug/kg
4-Chloro-3-Methylphenol	10	330							NA	NA	NA	NA
2-Methylnaphthalene	10	330	71 J	73 J					NA	NA	NA	NA
Hexachlorocyclopentadiene	10	330							NA	NA	NA	NA
2,4,6-Trichlorophenol	10	330							NA	NA	NA	NA
2,4,5-Trichlorophenol	50	1650							NA	NA	NA	NA
2-Chloronaphthalene	10	330							NA	NA	NA	NA
2-Nitroaniline	50	1650							NA	NA	NA	NA
Dimethyl Phthalate	10	330							NA	NA	NA	NA
Acenaphthylene	10	330							NA	NA	NA	NA
3-Nitroaniline	50	1650							NA	NA	NA	NA
Acenaphthene	10	330							NA	NA	NA	NA
2,4-Dinitrophenol	50	1650							NA	NA	NA	NA
4-Nitrophenol	50	1650							NA	NA	NA	NA
Dibenzofuran	10	330							NA	NA	NA	NA
2,4-Dinitrotoluene	10	330							NA	NA	NA	NA
2,6-Dinitrotoluene	10	330							NA	NA	NA	NA
Diethylphthalate	10	330							NA	NA	NA	NA
4-Chlorophenyl-phenylether	10	330							NA	NA	NA	NA
Fluorene	10	330							NA	NA	NA	NA
4-Nitroaniline	50	1650							NA	NA	NA	NA
4,6-Dinitro-2-Methylphenol	50	1650							NA	NA	NA	NA
N-Nitrosodiphenylamine (1)	10	330							NA	NA	NA	NA
4-Bromophenyl-phenylether	10	330							NA	NA	NA	NA
Hexachlorobenzene	10	330							NA	NA	NA	NA
Pentachlorophenol	10	330							NA	NA	NA	NA

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-01	SD-65	SD-02	SD-03	SD-04	SD-05	SD-05-20	SD-6A	SD-6A-109	SD-6B
Remarks				Duplicate of SD-01					Trip Blank		Field Blank	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/L	ug/kg
Phenanthrene	10	330	440	420		91 J	54 J	53 J	NA	NA	NA	NA
Anthracene	10	330	85 J	73 J					NA	NA	NA	NA
Di-n-Butylphthalate	10	330				43 J	46 J		NA	NA	NA	NA
Fluoranthene	10	330	930	780	54 J	170 J	230 J	64 J	NA	NA	NA	NA
Pyrene	10	330	750	700			240 J	64 J	NA	NA	NA	NA
Butylbenzylphthalate	10	330	170 J	120 J					NA	NA	NA	NA
3,3'-Dichlorobenzidine	20	660							NA	NA	NA	NA
Benzo(a)Anthracene	10	330	380 J	340 J		69 J		41 J	NA	NA	NA	NA
Chrysene	10	330	490	420		85 J	100 J	45 J	NA	NA	NA	NA
bis(2-Ethylhexyl)Phthalate	10	330	780 U	1400	1100	1800	1300	770 U	NA	NA	NA	NA
Di-n-Octyl Phthalate	10	330							NA	NA	NA	NA
Benzo(b)Fluoranthene	10	330	920 J	870 J	52 J	160 J	200 J	62 J	NA	NA	NA	NA
Benzo(k)Fluoranthene	10	330	920 J	870 J	52 J	160 J	200 J	62 J	NA	NA	NA	NA
Benzo(a)Pyrene	10	330	390 J	330 J		64 J	72 J		NA	NA	NA	NA
Indeno(1,2,3-cd)Pyrene	10	330	200 J	200 J		47 J			NA	NA	NA	NA
Dibenzo(a,h)Anthracene	10	330							NA	NA	NA	NA
Benzo(g,h,i)Perylene	10	330	230 J	210 J					NA	NA	NA	NA
Diphenylsulfone	10	330							NA			
3,4-Dichloronitrobenzene									NA	NA	NA	NA
Quantitation Limit Multiplier			1.21	1.27	1.22	1.10	1.27	1.06	NA	1.14	1.00	1.10
Date Sample Received by Laboratory			05/03/90	05/03/90	05/03/90	05/03/90	05/03/90	05/03/90	NA	05/04/90	05/04/90	05/04/90
Date Sample Extracted			05/08/90	05/08/90	05/08/90	05/08/90	05/08/90	05/08/90	NA	05/09/90	05/07/90	05/09/90
Date of Sample Analysis			06/02/90	06/02/90	06/02/90	06/02/90	06/02/90	06/02/90	NA	05/26/90	05/25/90	05/26/90
Instrument Used for Analysis			GCMSS4	GCMSS4	GCMSS4	GCMSS4	GCMSS4	GCMSS4	NA	GCMSS1	GCMSS1	GCMSS1

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-01	SD-65	SD-02	SD-03	SD-04	SD-05	SD-05-20	SD-6A	SD-6A-109	SD-6B
Remarks				Duplicate of SD-01					Trip Blank		Field Blank	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/L	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
alpha-BHC	0.05	8.0	R	R	R	R		R	NA	NA	NA	NA
beta-BHC	0.05	8.0	R	R	R	R		R	NA	NA	NA	NA
delta-BHC	0.05	8.0	R	R	R	R		R	NA	NA	NA	NA
gamma-BHC (Lindane)	0.05	8.0	R	R	R	R		R	NA	NA	NA	NA
Heptachlor	0.05	8.0	R	R	R	9.4 J		R	NA	NA	NA	NA
Aldrin	0.05	8.0	R	R	R	R		R	NA	NA	NA	NA
Heptachlor epoxide	0.05	8.0	R	R	R	R		R	NA	NA	NA	NA
Endosulfan I	0.05	8.0	R	R	R	R		R	NA	NA	NA	NA
Dieldrin	0.10	16.0	R	R	R	R		R	NA	NA	NA	NA
4,4'-DDE	0.10	16.0	R	R	R	R		R	NA	NA	NA	NA
Endrin	0.10	16.0	R	R	R	R		R	NA	NA	NA	NA
Endosulfan II	0.10	16.0	R	R	R	R		R	NA	NA	NA	NA
4,4'-DDD	0.10	16.0	R	R	R	R		R	NA	NA	NA	NA
Endosulfan sulfate	0.10	16.0	R	R	R	R		R	NA	NA	NA	NA
4,4'-DDT	0.10	16.0	R	R	R	R		R	NA	NA	NA	NA
Methoxychlor	0.50	80	R	R	R	R		R	NA	NA	NA	NA
Endrin ketone	0.10	16.0	R	R	R	R		R	NA	NA	NA	NA
alpha-Chlordane	0.10	80	R	R	R	R		R	NA	NA	NA	NA
gamma-Chlordane	0.10	80	R	R	R	R		R	NA	NA	NA	NA
Toxaphene	1.0	160.0	R	R	R	R		R	NA	NA	NA	NA

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-01	SD-65	SD-02	SD-03	SD-04	SD-05	SD-05-20	SD-6A	SD-6A-109	SD-6B
Remarks				Duplicate of SD-01					Trip Blank		Field Blank	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/L	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Aroclor-1016	0.5	80	R	R	R	R		R	NA	NA	NA	NA
Aroclor-1221	0.5	80	R	R	R	R		R	NA	NA	NA	NA
Aroclor-1232	0.5	80	R	R	R	R		R	NA	NA	NA	NA
Aroclor-1242	0.5	80	R	R	R	R		R	NA	NA	NA	NA
Aroclor-1248	0.5	80	R	R	R	R		R	NA	NA	NA	NA
Aroclor-1254	1.0	160	R	R	R	R		R	NA	NA	NA	NA
Aroclor-1260	1.0	160	R	R	R	R		R	NA	NA	NA	NA
Quantitation Limit Multiplier			3.19	3 06	1.31	1.25	1.31	1.25	NA	NA	NA	NA
Date Sample Received by Laboratory			05/03/90	05/03/90	05/03/90	05/03/90	05/03/90	05/03/90	NA	NA	NA	NA
Date Sample Extracted			05/31/90	05/31/90	05/09/90	05/09/90	05/09/90	05/09/90	NA	NA	NA	NA
Date of Sample Analysis			06/09/90	06/09/90	06/09/90	06/08/90	06/08/90	06/08/90	NA	NA	NA	NA
Instrument Used for Analysis			MS-24	MS-24	MS-V1	24	24	24	NA	NA	NA	NA

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-01	SD-65	SD-02	SD-03	SD-04	SD-05	SD-05-20	SD-6A	SD-6A-109	SD-6B
Remarks				Duplicate of SD-01					Trip Blank		Field Blank	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/L	ug/kg
COMPOUNDS	Quantitation Limit (Aq)	Reporting Limit (Sol)										
Kepone	0.132	68.0							NA			
Photomirex	0.0474	20.4						5.75 J	NA			
Mirex	0.00544	18.5		7.84 J	4.26 J			150	NA	71.5		21.5
Reporting Limit Multiplier			1.29	1.23	1.32	1.27	1.33	1.27	NA	1.13	1.00	1.12
Date Received by Laboratory			05/03/90	05/03/90	05/03/90	05/03/90	05/03/90	05/03/90	NA	05/04/90	05/04/90	05/04/90
Date Sample Extracted			05/11/90	05/11/90	05/11/90	05/11/90	05/11/90	05/11/90	NA	05/12/90	05/12/90	05/12/90
Date of Sample Analysis			06/10/90	06/10/90	06/10/90	06/09/90	06/09/90	06/09/90	NA	06/11/90	06/12/90	06/11/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	NA	GCMSS2	GCMSS2	GCMSS2

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-6C	SD-6D	SD-6CMS	SD-6CMSD	SD-6C-205	SD-07	SD-10	SD-11	SD-12	SD-70
Remarks							Trip Blank					Dup. of SD-12
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Chloromethane	10	10		NA	UL				NA	NA	NA	NA
Bromomethane	10	10		NA	UL				NA	NA	NA	NA
Vinyl Chloride	10	10		NA	UL				NA	NA	NA	NA
Chloroethane	10	10		NA	UL				NA	NA	NA	NA
Methylene Chloride	5.0	5.0	5.0 U	NA	UL		3.0 J	27 U	NA	NA	NA	NA
Acetone	10	10	57	NA	300 J	86			NA	NA	NA	NA
Carbon Disulfide	5.0	5.0		NA	UL				NA	NA	NA	NA
1,1-Dichloroethene	5.0	5.0		NA	S	S			NA	NA	NA	NA
1,1-Dichloroethane	5.0	5.0		NA	UL				NA	NA	NA	NA
1,2-Dichloroethene (total)	5.0	5.0		NA	UL				NA	NA	NA	NA
Chloroform	5.0	5.0		NA	UL				NA	NA	NA	NA
1,2-Dichloroethane	5.0	5.0		NA	UL				NA	NA	NA	NA
2-Butanone	10	10	10 J	NA	32 J	14			NA	NA	NA	NA
1,1,1-Trichloroethane	5.0	5.0		NA	UL				NA	NA	NA	NA
Carbon Tetrachloride	5.0	5.0		NA	UL				NA	NA	NA	NA
Vinyl Acetate	10	10		NA	UL				NA	NA	NA	NA
Bromodichloromethane	5.0	5.0		NA	UL				NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5.0	5.0		NA	UL				NA	NA	NA	NA
1,2-Dichloropropane	5.0	5.0		NA	UL				NA	NA	NA	NA
trans-1,3-Dichloropropene	5.0	5.0		NA	UL				NA	NA	NA	NA
Trichloroethene	5.0	5.0		NA	S	S			NA	NA	NA	NA
Dibromochloromethane	5.0	5.0		NA	UL				NA	NA	NA	NA
1,1,2-Trichloroethane	5.0	5.0		NA	UL				NA	NA	NA	NA

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-6C	SD-6D	SD-6CMS	SD-6CMSD	SD-6C-205	SD-07	SD-10	SD-11	SD-12	SD-70
Remarks							Trip Blank					Dup. of SD-12
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0		NA	S	S			NA	NA	NA	NA
cis-1,3-Dichloropropene	5.0	5.0		NA	UL				NA	NA	NA	NA
Bromoform	5.0	5.0		NA	UL				NA	NA	NA	NA
2-Hexanone	10	10		NA	UL				NA	NA	NA	NA
4-Methyl-2-Pentanone	10	10		NA	UL				NA	NA	NA	NA
Tetrachloroethene	5.0	5.0		NA	UL				NA	NA	NA	NA
Toluene	5.0	5.0		NA	S	S			NA	NA	NA	NA
Chlorobenzene	5.0	5.0		NA	S	S			NA	NA	NA	NA
Ethylbenzene	5.0	5.0		NA	UL				NA	NA	NA	NA
Styrene	5.0	5.0		NA	UL				NA	NA	NA	NA
Xylene (total)	5.0	5.0		NA	UL				NA	NA	NA	NA
Quantitation Limit Multiplier			1.22	NA	1.27	1.14	1.00	1.2	NA	NA	NA	NA
Date Sample Received by Laboratory			05/04/90	NA	05/04/90	05/04/90	05/04/90	05/03/90	NA	NA	NA	NA
Date of Sample Analysis			05/12/90	NA	05/14/90	05/12/90	05/12/90	05/10/90	NA	NA	NA	NA
Instrument Used for Analysis			V1	NA	V1	V1	V2	MS-V1	NA	NA	NA	NA
TENTATIVELY IDENTIFIED COMPOUNDS												
VOLATILE COMPONENTS			-	NA	NA	NA	-	-	NA	NA	NA	NA
Ethane, 1,1,2-trichloro-1,2,2				NA	NA	NA			NA	NA	NA	NA

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-6C	SD-6D	SD-6CMS	SD-6CMSD	SD-6C-205	SD-07	SD-10	SD-11	SD-12	SD-70
Remarks							Trip Blank					Dup. of SD-12
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Phenol	10	330		NA	S	S	NA		NA	NA	NA	NA
bis(2-Chloroethyl)Ether	10	330		NA			NA		NA	NA	NA	NA
2-Chlorophenol	10	330		NA	S	S	NA		NA	NA	NA	NA
1,3-Dichlorobenzene	10	330		NA			NA		NA	NA	NA	NA
1,4-Dichlorobenzene	10	330		NA	S	S	NA		NA	NA	NA	NA
Benzyl Alcohol	10	330		NA			NA		NA	NA	NA	NA
1,2-Dichlorobenzene	10	330		NA			NA		NA	NA	NA	NA
2-Methylphenol	10	330		NA			NA		NA	NA	NA	NA
bis(2-Chloroisopropyl)Ether	10	330		NA			NA		NA	NA	NA	NA
4-Methylphenol	10	330		NA			NA		NA	NA	NA	NA
N-Nitroso-Di-n-Propylamine	10	330		NA	S	S	NA		NA	NA	NA	NA
Hexachloroethane	10	330		NA			NA		NA	NA	NA	NA
Nitrobenzene	10	330		NA			NA		NA	NA	NA	NA
Isophorone	10	330		NA			NA		NA	NA	NA	NA
2-Nitrophenol	10	330		NA			NA		NA	NA	NA	NA
2,4-Dimethylphenol	10	330		NA			NA		NA	NA	NA	NA
Benzoic Acid	50	1650		NA			NA		NA	NA	NA	NA
bis(2-Chloroethoxy)Methane	10	330		NA			NA		NA	NA	NA	NA
2,4-Dichlorophenol	10	330		NA			NA		NA	NA	NA	NA
1,2,4-Trichlorobenzene	10	330		NA	S	S	NA		NA	NA	NA	NA
Naphthalene	10	330		NA			NA		NA	NA	NA	NA
4-Chloroaniline	10	330		NA			NA		NA	NA	NA	NA
Hexachlorobutadiene	10	330		NA			NA		NA	NA	NA	NA

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-6C	SD-6D	SD-6CMS	SD-6CMSD	SD-6C-205	SD-07	SD-10	SD-11	SD-12	SD-70
Remarks							Trip Blank					Dup. of SD-12
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330		NA	S	S	NA		NA	NA	NA	NA
2-Methylnaphthalene	10	330		NA			NA		NA	NA	NA	NA
Hexachlorocyclopentadiene	10	330		NA			NA		NA	NA	NA	NA
2,4,6-Trichlorophenol	10	330		NA			NA		NA	NA	NA	NA
2,4,5-Trichlorophenol	50	1650		NA			NA		NA	NA	NA	NA
2-Chloronaphthalene	10	330		NA			NA		NA	NA	NA	NA
2-Nitroaniline	50	1650		NA			NA		NA	NA	NA	NA
Dimethyl Phthalate	10	330		NA			NA		NA	NA	NA	NA
Acenaphthylene	10	330		NA			NA		NA	NA	NA	NA
3-Nitroaniline	50	1650		NA			NA		NA	NA	NA	NA
Acenaphthene	10	330		NA	S	S	NA		NA	NA	NA	NA
2,4-Dinitrophenol	50	1650		NA			NA		NA	NA	NA	NA
4-Nitrophenol	50	1650		NA	S	S	NA		NA	NA	NA	NA
Dibenzofuran	10	330		NA			NA		NA	NA	NA	NA
2,4-Dinitrotoluene	10	330		NA	S	S	NA		NA	NA	NA	NA
2,6-Dinitrotoluene	10	330		NA			NA		NA	NA	NA	NA
Diethylphthalate	10	330		NA	75 J		NA		NA	NA	NA	NA
4-Chlorophenyl-phenylether	10	330		NA			NA		NA	NA	NA	NA
Fluorene	10	330		NA			NA		NA	NA	NA	NA
4-Nitroaniline	50	1650		NA			NA		NA	NA	NA	NA
4,6-Dinitro-2-Methylphenol	50	1650		NA			NA		NA	NA	NA	NA
N-Nitrosodiphenylamine (1)	10	330		NA			NA		NA	NA	NA	NA
4-Bromophenyl-phenylether	10	330		NA			NA		NA	NA	NA	NA
Hexachlorobenzene	10	330		NA			NA		NA	NA	NA	NA
Pentachlorophenol	10	330		NA	S	S	NA		NA	NA	NA	NA

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-6C	SD-6D	SD-6CMS	SD-6CMSD	SD-6C-205	SD-07	SD-10	SD-11	SD-12	SD-70
Remarks							Trip Blank					Dup. of SD-12
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330		NA			NA		NA	NA	NA	NA
Anthracene	10	330		NA			NA		NA	NA	NA	NA
Di-n-Butylphthalate	10	330		NA			NA	74 J	NA	NA	NA	NA
Fluoranthene	10	330		NA			NA	46 J	NA	NA	NA	NA
Pyrene	10	330		NA	S	S	NA		NA	NA	NA	NA
Butylbenzylphthalate	10	330		NA		UL	NA		NA	NA	NA	NA
3,3'-Dichlorobenzidine	20	660		NA		UL	NA		NA	NA	NA	NA
Benzo(a)Anthracene	10	330		NA		UL	NA		NA	NA	NA	NA
Chrysene	10	330		NA		UL	NA		NA	NA	NA	NA
bis(2-Ethylhexyl)Phthalate	10	330		NA	160 U	68 U	NA	1200	NA	NA	NA	NA
Di-n-Octyl Phthalate	10	330		NA			NA		NA	NA	NA	NA
Benzo(b)Fluoranthene	10	330		NA			NA	55 J	NA	NA	NA	NA
Benzo(k)Fluoranthene	10	330		NA			NA	55 J	NA	NA	NA	NA
Benzo(a)Pyrene	10	330	38 J	NA			NA	46 J	NA	NA	NA	NA
Indeno(1,2,3-cd)Pyrene	10	330		NA			NA		NA	NA	NA	NA
Dibenzo(a,h)Anthracene	10	330		NA			NA		NA	NA	NA	NA
Benzo(g,h,i)Perylene	10	330		NA			NA		NA	NA	NA	NA
Diphenylsulfone	10	330			S	S	NA					
3,4-Dichloronitrobenzene			NA	NA	NA	NA	NA		NA	NA	NA	NA
Quantitation Limit Multiplier			1.10	1.23	1.23	1.23	NA	1.15	1.96	1.33	1.70	1.72
Date Sample Received by Laboratory			05/04/90	05/04/90	05/04/90	05/04/90	NA	05/03/90	05/07/90	05/04/90	05/07/90	05/07/90
Date Sample Extracted			05/09/90	05/09/90	05/09/90	05/09/90	NA	05/08/90	05/14/90	05/09/90	05/14/90	05/14/90
Date of Sample Analysis			05/26/90	05/26/90	05/28/90	05/28/90	NA	06/02/90	06/12/90	05/26/90	06/10/90	06/10/90
Instrument Used for Analysis			GCMSS1	GCMSS1	GCMSS1	GCMSS1	NA	GCMSS4	GCMSS5	GCMSS1	GCMSS4	GCMSS4

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-6C	SD-6D	SD-6CMS	SD-6CMSD	SD-6C-205	SD-07	SD-10	SD-11	SD-12	SD-70
Remarks							Trip Blank					Dup. of SD-12
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
alpha-BHC	0.05	8.0		NA			NA	R		NA		
beta-BHC	0.05	8.0		NA			NA	R		NA		
delta-BHC	0.05	8.0		NA			NA	R		NA		
gamma-BHC (Lindane)	0.05	8.0		NA	S	S	NA	R		NA		
Heptachlor	0.05	8.0		NA	S	S	NA	R		NA		
Aldrin	0.05	8.0		NA	S	S	NA	R		NA		
Heptachlor epoxide	0.05	8.0		NA			NA	R		NA		
Endosulfan I	0.05	8.0		NA			NA	R		NA		
Dieldrin	0.10	16.0		NA	S	S	NA	R		NA		
4,4'-DDE	0.10	16.0		NA			NA	R		NA		
Endrin	0.10	16.0		NA	S	S	NA	R		NA		
Endosulfan II	0.10	16.0		NA			NA	R		NA		
4,4'-DDD	0.10	16.0		NA			NA	R		NA		
Endosulfan sulfate	0.10	16.0		NA			NA	R		NA		
4,4'-DDT	0.10	16.0		NA	S	S	NA	R		NA		
Methoxychlor	0.50	80		NA			NA	R		NA		
Endrin ketone	0.10	16.0		NA			NA	R		NA		
alpha-Chlordane	0.10	80		NA			NA	R		NA		
gamma-Chlordane	0.10	80		NA			NA	R		NA		
Toxaphene	1.0	160.0		NA			NA	R		NA		

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-6C	SD-6D	SD-6CMS	SD-6CMSD	SD-6C-205	SD-07	SD-10	SD-11	SD-12	SD-70
Remarks							Trip Blank					Dup. of SD-12
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Aroclor-1016	0.5	80		NA			NA	R		NA		
Aroclor-1221	0.5	80		NA			NA	R		NA		
Aroclor-1232	0.5	80		NA			NA	R		NA		
Aroclor-1242	0.5	80		NA			NA	R		NA		
Aroclor-1248	0.5	80		NA			NA	R		NA		
Aroclor-1254	1.0	160		NA			NA	R		NA		
Aroclor-1260	1.0	160		NA			NA	R		NA		
Quantitation Limit Multiplier			1.22	NA	1.27	1.28	NA	1.25	1.95	NA	3.00	3.00
Date Sample Received by Laboratory			05/04/90	NA	05/04/90	05/04/90	NA	05/03/90	05/07/90	NA	05/07/90	05/07/90
Date Sample Extracted			05/09/90	NA	05/09/90	05/09/90	NA	05/09/90	05/17/90	NA	05/17/90	05/17/90
Date of Sample Analysis			06/08/90	NA	06/08/90	06/08/90	NA	06/08/90	06/16/90	NA	06/17/90	06/17/90
Instrument Used for Analysis			24	NA	24	24	NA	24		NA		

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-6C	SD-6D	SD-6CMS	SD-6CMSD	SD-6C-205	SD-07	SD-10	SD-11	SD-12	SD-70
Remarks							Trip Blank					Dup. of SD-12
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Quantitation Limit (Aq)	Reporting Limit (Sol)										
Kepone	0.132	68.0			S	S	NA					
Photomirex	0.0474	20.4			S	S	NA		7.38 J			
Mirex	0.00544	18.5	87.8	124	S	S	NA	251	1680	527	423 J	2820 J
Reporting Limit Multiplier			1.24	1.23	1.30	1.30	NA	1.26	1.94/77.8	4.02	33.1	75.5
Date Received by Laboratory			05/04/90	05/04/90	05/04/90	05/04/90	NA	05/03/90	05/07/90	05/04/90	05/07/90	05/07/90
Date Sample Extracted			05/12/90	05/12/90	05/12/90	05/12/90	NA	05/11/90	05/17/90	05/12/90	05/17/90	05/17/90
Date of Sample Analysis			06/11/90	06/11/90	06/15/90	06/15/90	NA	06/09/90	07/13/90	06/15/90	07/10/90	07/10/90
Instrument Used for Analysis			GCMSS2	GCMSS2	GCMSS2	GCMSS2	NA	GCMSS3	GCMSS2	GCMSS2	GCMSS2	GCMSS2

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-13	SD-14	SD-14-108	SD-15	SD-16	SD-17	SD-69	SD-17-02	SD-17-112	SD-18
Remarks					Field Blank				Dup. of SD-17		Field Blank	
Units			ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Chloromethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Acetate	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-13	SD-14	SD-14-108	SD-15	SD-16	SD-17	SD-69	SD-17-02	SD-17-112	SD-18
Remarks					Field Blank				Dup. of SD-17		Field Blank	
Units			ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg
Benzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylene (total)	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Date Sample Received by Laboratory			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Date of Sample Analysis			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Instrument Used for Analysis			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TENTATIVELY IDENTIFIED COMPOUNDS												
VOLATILE COMPONENTS			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethane, 1,1,2-trichloro-1,2,2			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-13	SD-14	SD-14-108	SD-15	SD-16	SD-17	SD-69	SD-17-02	SD-17-112	SD-18
Remarks					Field Blank				Dup. of SD-17		Field Blank	
Units			ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Phenol	10	330		NA	NA	160 J	NA	NA	NA	NA	NA	
bis(2-Chloroethyl)Ether	10	330		NA	NA		NA	NA	NA	NA	NA	
2-Chlorophenol	10	330		NA	NA		NA	NA	NA	NA	NA	
1,3-Dichlorobenzene	10	330		NA	NA		NA	NA	NA	NA	NA	
1,4-Dichlorobenzene	10	330		NA	NA		NA	NA	NA	NA	NA	
Benzyl Alcohol	10	330		NA	NA		NA	NA	NA	NA	NA	
1,2-Dichlorobenzene	10	330		NA	NA		NA	NA	NA	NA	NA	
2-Methylphenol	10	330		NA	NA		NA	NA	NA	NA	NA	
bis(2-Chloroisopropyl)Ether	10	330		NA	NA		NA	NA	NA	NA	NA	
4-Methylphenol	10	330	740	NA	NA	2800	NA	NA	NA	NA	NA	
N-Nitroso-Di-n-Propylamine	10	330		NA	NA		NA	NA	NA	NA	NA	
Hexachloroethane	10	330		NA	NA		NA	NA	NA	NA	NA	
Nitrobenzene	10	330		NA	NA		NA	NA	NA	NA	NA	
Isophorone	10	330		NA	NA		NA	NA	NA	NA	NA	
2-Nitrophenol	10	330		NA	NA		NA	NA	NA	NA	NA	
2,4-Dimethylphenol	10	330		NA	NA		NA	NA	NA	NA	NA	
Benzoic Acid	50	1650		NA	NA	430 J	NA	NA	NA	NA	NA	
bis(2-Chloroethoxy)Methane	10	330		NA	NA		NA	NA	NA	NA	NA	
2,4-Dichlorophenol	10	330		NA	NA		NA	NA	NA	NA	NA	
1,2,4-Trichlorobenzene	10	330		NA	NA		NA	NA	NA	NA	NA	
Naphthalene	10	330		NA	NA		NA	NA	NA	NA	NA	
4-Chloroaniline	10	330		NA	NA		NA	NA	NA	NA	NA	
Hexachlorobutadiene	10	330		NA	NA		NA	NA	NA	NA	NA	

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ERM-Midwest Sample Number			SD-13	SD-14	SD-14-108	SD-15	SD-16	SD-17	SD-69	SD-17-02	SD-17-112	SD-18
Remarks					Field Blank				Dup. of SD-17		Field Blank	
Units			ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg
4-Chloro-3-Methylphenol	10	330		NA	NA		NA	NA	NA	NA	NA	
2-Methylnaphthalene	10	330		NA	NA		NA	NA	NA	NA	NA	
Hexachlorocyclopentadiene	10	330		NA	NA		NA	NA	NA	NA	NA	
2,4,6-Trichlorophenol	10	330		NA	NA		NA	NA	NA	NA	NA	
2,4,5-Trichlorophenol	50	1650		NA	NA		NA	NA	NA	NA	NA	
2-Chloronaphthalene	10	330		NA	NA		NA	NA	NA	NA	NA	
2-Nitroaniline	50	1650		NA	NA		NA	NA	NA	NA	NA	
Dimethyl Phthalate	10	330		NA	NA		NA	NA	NA	NA	NA	
Acenaphthylene	10	330		NA	NA		NA	NA	NA	NA	NA	
3-Nitroaniline	50	1650		NA	NA		NA	NA	NA	NA	NA	
Acenaphthene	10	330		NA	NA		NA	NA	NA	NA	NA	
2,4-Dinitrophenol	50	1650		NA	NA		NA	NA	NA	NA	NA	
4-Nitrophenol	50	1650		NA	NA		NA	NA	NA	NA	NA	
Dibenzofuran	10	330		NA	NA		NA	NA	NA	NA	NA	
2,4-Dinitrotoluene	10	330		NA	NA		NA	NA	NA	NA	NA	
2,6-Dinitrotoluene	10	330		NA	NA		NA	NA	NA	NA	NA	
Diethylphthalate	10	330		NA	NA		NA	NA	NA	NA	NA	
4-Chlorophenyl-phenylether	10	330		NA	NA		NA	NA	NA	NA	NA	
Fluorene	10	330		NA	NA		NA	NA	NA	NA	NA	
4-Nitroaniline	50	1650		NA	NA		NA	NA	NA	NA	NA	
4,6-Dinitro-2-Methylphenol	50	1650		NA	NA		NA	NA	NA	NA	NA	
N-Nitrosodiphenylamine (1)	10	330		NA	NA		NA	NA	NA	NA	NA	
4-Bromophenyl-phenylether	10	330		NA	NA		NA	NA	NA	NA	NA	
Hexachlorobenzene	10	330		NA	NA		NA	NA	NA	NA	NA	
Pentachlorophenol	10	330		NA	NA		NA	NA	NA	NA	NA	

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-13	SD-14	SD-14-108	SD-15	SD-16	SD-17	SD-69	SD-17-02	SD-17-112	SD-18
Remarks					Field Blank				Dup. of SD-17		Field Blank	
Units			ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg
Phenanthrene	10	330	160 J	NA	NA	50 J	NA	NA	NA	NA	NA	
Anthracene	10	330		NA	NA		NA	NA	NA	NA	NA	
Di-n-Butylphthalate	10	330		NA	NA		NA	NA	NA	NA	NA	
Fluoranthene	10	330	200 J	NA	NA	90 J	NA	NA	NA	NA	NA	
Pyrene	10	330	150 J	NA	NA	71 J	NA	NA	NA	NA	NA	
Butylbenzylphthalate	10	330		NA	NA		NA	NA	NA	NA	NA	
3,3'-Dichlorobenzidine	20	660		NA	NA		NA	NA	NA	NA	NA	
Benzo(a)Anthracene	10	330	69 J	NA	NA		NA	NA	NA	NA	NA	
Chrysene	10	330	91 J	NA	NA	47 J	NA	NA	NA	NA	NA	
bis(2-Ethylhexyl)Phthalate	10	330	690 U	NA	NA	530 U	NA	NA	NA	NA	NA	670 U
Di-n-Octyl Phthalate	10	330		NA	NA		NA	NA	NA	NA	NA	
Benzo(b)Fluoranthene	10	330	150 J	NA	NA	85 J	NA	NA	NA	NA	NA	
Benzo(k)Fluoranthene	10	330	150 J	NA	NA	85 J	NA	NA	NA	NA	NA	
Benzo(a)Pyrene	10	330	71 J	NA	NA		NA	NA	NA	NA	NA	55 J
Indeno(1,2,3-cd)Pyrene	10	330		NA	NA		NA	NA	NA	NA	NA	
Dibenzo(a,h)Anthracene	10	330		NA	NA		NA	NA	NA	NA	NA	
Benzo(g,h,i)Perylene	10	330		NA	NA		NA	NA	NA	NA	NA	
Diphenylsulfone	10	330							UL			
3,4-Dichloronitrobenzene								NA	NA	NA	NA	NA
Quantitation Limit Multiplier			1.19	1.33	1.00	1.21	1.17	1.29	2.61	1.16	1.00	1.23
Date Sample Received by Laboratory			05/03/90	05/03/90	05/03/90	05/03/90	05/03/90	05/07/90	05/07/90	05/07/90	05/07/90	05/03/90
Date Sample Extracted			05/08/90	05/08/90	05/07/90	05/08/90	05/08/90	05/14/90	06/12/90	05/14/90	05/10/90	05/08/90
Date of Sample Analysis			06/02/90	06/02/90	05/30/90	05/30/90	05/30/90	06/09/90	06/16/90	06/09/90	06/09/90	05/30/90
Instrument Used for Analysis			GCMSS4	GCMSS4	GCMSS4	GCMSS4	GCMSS4	GCMSS5	GCMSS1	GCMSS5	GCMSS4	GCMSS4

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ERM-Midwest Sample Number			SD-13	SD-14	SD-14-108	SD-15	SD-16	SD-17	SD-69	SD-17-02	SD-17-112	SD-18
Remarks					Field Blank				Dup. of SD-17		Field Blank	
Units			ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
alpha-BHC	0.05	8.0	R	NA	NA	R	NA					
beta-BHC	0.05	8.0	R	NA	NA	R	NA					
delta-BHC	0.05	8.0	R	NA	NA	R	NA					
gamma-BHC (Lindane)	0.05	8 0	R	NA	NA	R	NA					
Heptachlor	0.05	8.0	R	NA	NA	R	NA					
Aldrin	0.05	8 0	R	NA	NA	R	NA					
Heptachlor epoxide	0.05	8.0	R	NA	NA	R	NA					
Endosulfan I	0.05	8 0	R	NA	NA	R	NA					
Dieldrin	0.10	16.0	R	NA	NA	R	NA					
4,4'-DDE	0.10	16.0	R	NA	NA	R	NA			280 J		
Endrin	0.10	16.0	R	NA	NA	R	NA					
Endosulfan II	0.10	16.0	R	NA	NA	R	NA					
4,4'-DDD	0.10	16.0	R	NA	NA	R	NA					
Endosulfan sulfate	0.10	16.0	R	NA	NA	R	NA					
4,4'-DDT	0.10	16.0	R	NA	NA	R	NA			250 J		
Methoxychlor	0.50	80	R	NA	NA	R	NA					
Endrin ketone	0.10	16.0	R	NA	NA	R	NA					
alpha-Chlordane	0.10	80	R	NA	NA	R	NA					
gamma-Chlordane	0.10	80	R	NA	NA	R	NA					
Toxaphene	1.0	160.0	R	NA	NA	R	NA					

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-13	SD-14	SD-14-108	SD-15	SD-16	SD-17	SD-69	SD-17-02	SD-17-112	SD-18
Remarks					Field Blank				Dup. of SD-17		Field Blank	
Units			ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Aroclor-1016	0.5	80	R	NA	NA	R	NA					
Aroclor-1221	0.5	80	R	NA	NA	R	NA					
Aroclor-1232	0.5	80	R	NA	NA	R	NA					
Aroclor-1242	0.5	80	R	NA	NA	R	NA					
Aroclor-1248	0.5	80	R	NA	NA	R	NA					
Aroclor-1254	1.0	160	R	NA	NA	R	NA					
Aroclor-1260	1.0	160	R	NA	NA	R	NA					
Quantitation Limit Multiplier			1.31	NA	NA	1.19	NA	1.34	3.17	1.21	1.00	0.33
Date Sample Received by Laboratory			05/03/90	NA	NA	05/03/90	NA	05/07/90	05/07/90	05/07/90	05/07/90	
Date Sample Extracted			05/09/90	NA	NA	05/09/90	NA	05/17/90	05/17/90	05/17/90	05/10/90	05/09/90
Date of Sample Analysis			06/08/90	NA	NA	06/08/90	NA	06/06/90	06/06/90	06/06/90	06/16/90	06/08/90
Instrument Used for Analysis			24	NA	NA	24	NA					MS-24

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ERM-Midwest Sample Number			SD-13	SD-14	SD-14-108	SD-15	SD-16	SD-17	SD-69	SD-17-02	SD-17-112	SD-18
Remarks					Field Blank				Dup. of SD-17		Field Blank	
Units			ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg
COMPOUNDS	Quantitation Limit (Aq)	Reporting Limit (Sol)										
Kepone	0.132	68.0										
Photomirex	0.0474	20.4	3.09 J	2.34 J		2.58 J						
Mirex	0.00544	18.5	555	1200 J		150 J	34.6	42.1 J	76.7 J	62.3	0.04	57.5
Reporting Limit Multiplier			1.34	1.35	1.00	1.23	1.21	1.36	1.26	1.19	1.0	1.26
Date Received by Laboratory			05/03/90	05/03/90	05/03/90	05/03/90	05/03/90	05/07/90	05/07/90	05/07/90	05/07/90	05/03/90
Date Sample Extracted			05/11/90	05/11/90	05/11/90	05/11/90	05/11/90	05/17/90	05/17/90	05/17/90	05/10/90	05/11/90
Date of Sample Analysis			06/09/90	06/09/90	06/07/90	06/09/90	06/09/90	06/29/90	06/29/90	07/11/90	06/16/90	06/09/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS3

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ERM-Midwest Sample Number			SD-18MS	SD-18MSD	SD-18MSRE	SD-18MSDRE	SD-19	SD-19A	SD-19B	SD-20	SD-21	SD-22
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Chloromethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	5 0	5 0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	5.0	5 0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Acetate	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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ERM-Midwest Sample Number			SD-18MS	SD-18MSD	SD-18MSRE	SD-18MSDRE	SD-19	SD-19A	SD-19B	SD-20	SD-21	SD-22
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylene (total)	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Date Sample Received by Laboratory			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Date of Sample Analysis			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Instrument Used for Analysis			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TENTATIVELY IDENTIFIED COMPOUNDS												
VOLATILE COMPONENTS			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethane, 1,1,2-trichloro-1,2,2			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-18MS	SD-18MSD	SD-18MSRE	SD-18MSDRE	SD-19	SD-19A	SD-19B	SD-20	SD-21	SD-22
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Phenol	10	330			S	S	NA	NA	NA		NA	
bis(2-Chloroethyl)Ether	10	330			UL	UL	NA	NA	NA		NA	
2-Chlorophenol	10	330			S	S	NA	NA	NA		NA	
1,3-Dichlorobenzene	10	330			UL	UL	NA	NA	NA		NA	
1,4-Dichlorobenzene	10	330			S	S	NA	NA	NA		NA	
Benzyl Alcohol	10	330			UL	UL	NA	NA	NA		NA	
1,2-Dichlorobenzene	10	330			UL	UL	NA	NA	NA		NA	
2-Methylphenol	10	330			UL	UL	NA	NA	NA		NA	
bis(2-Chloroisopropyl)Ether	10	330			UL	UL	NA	NA	NA		NA	
4-Methylphenol	10	330			UL	UL	NA	NA	NA		NA	
N-Nitroso-Di-n-Propylamine	10	330			S	S	NA	NA	NA		NA	
Hexachloroethane	10	330			UL	UL	NA	NA	NA		NA	
Nitrobenzene	10	330			UL	UL	NA	NA	NA		NA	
Isophorone	10	330			UL	UL	NA	NA	NA		NA	
2-Nitrophenol	10	330			UL	UL	NA	NA	NA		NA	
2,4-Dimethylphenol	10	330			UL	UL	NA	NA	NA		NA	
Benzoic Acid	50	1650			UL	UL	NA	NA	NA		NA	
bis(2-Chloroethoxy)Methane	10	330			UL	UL	NA	NA	NA		NA	
2,4-Dichlorophenol	10	330			UL	UL	NA	NA	NA		NA	
1,2,4-Trichlorobenzene	10	330			S	S	NA	NA	NA		NA	
Naphthalene	10	330			UL	UL	NA	NA	NA		NA	
4-Chloroaniline	10	330			UL	UL	NA	NA	NA		NA	
Hexachlorobutadiene	10	330			UL	UL	NA	NA	NA		NA	

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-18MS	SD-18MSD	SD-18MSRE	SD-18MSDRE	SD-19	SD-19A	SD-19B	SD-20	SD-21	SD-22
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330			S	S	NA	NA	NA		NA	
2-Methylnaphthalene	10	330			UL	UL	NA	NA	NA		NA	
Hexachlorocyclopentadiene	10	330			UL	UL	NA	NA	NA		NA	
2,4,6-Trichlorophenol	10	330			UL	UL	NA	NA	NA		NA	
2,4,5-Trichlorophenol	50	1650			UL	UL	NA	NA	NA		NA	
2-Chloronaphthalene	10	330			UL	UL	NA	NA	NA		NA	
2-Nitroaniline	50	1650			UL	UL	NA	NA	NA		NA	
Dimethyl Phthalate	10	330			UL	UL	NA	NA	NA		NA	
Acenaphthylene	10	330			S	S	NA	NA	NA		NA	
3-Nitroaniline	50	1650			UL	UL	NA	NA	NA		NA	
Acenaphthene	10	330			S	S	NA	NA	NA		NA	
2,4-Dinitrophenol	50	1650			UL	UL	NA	NA	NA		NA	
4-Nitrophenol	50	1650			S	S	NA	NA	NA		NA	
Dibenzofuran	10	330			UL	UL	NA	NA	NA		NA	
2,4-Dinitrotoluene	10	330			UL	UL	NA	NA	NA		NA	
2,6-Dinitrotoluene	10	330			UL	UL	NA	NA	NA		NA	
Diethylphthalate	10	330			UL	UL	NA	NA	NA		NA	
4-Chlorophenyl-phenylether	10	330			UL	UL	NA	NA	NA		NA	
Fluorene	10	330			UL	UL	NA	NA	NA		NA	
4-Nitroaniline	50	1650			UL	UL	NA	NA	NA		NA	
4,6-Dinitro-2-Methylphenol	50	1650			UL	UL	NA	NA	NA		NA	
N-Nitrosodiphenylamine (1)	10	330			UL	47 J	NA	NA	NA		NA	
4-Bromophenyl-phenylether	10	330			UL	UL	NA	NA	NA		NA	
Hexachlorobenzene	10	330			UL	UL	NA	NA	NA		NA	
Pentachlorophenol	10	330			S	S	NA	NA	NA		NA	

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-18MS	SD-18MSD	SD-18MSRE	SD-18MSDRE	SD-19	SD-19A	SD-19B	SD-20	SD-21	SD-22
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330			UL	UL	NA	NA	NA	52 J	NA	70 J
Anthracene	10	330			UL	UL	NA	NA	NA		NA	
Di-n-Butylphthalate	10	330			UL	UL	NA	NA	NA		NA	
Fluoranthene	10	330			UL	UL	NA	NA	NA	87 J	NA	84 J
Pyrene	10	330			S	S	NA	NA	NA	65 J	NA	75 J
Butylbenzylphthalate	10	330			UL	UL	NA	NA	NA		NA	
3,3'-Dichlorobenzidine	20	660			UL	UL	NA	NA	NA		NA	
Benzo(a)Anthracene	10	330			UL	UL	NA	NA	NA		NA	
Chrysene	10	330			UL	UL	NA	NA	NA		NA	51 J
bis(2-Ethylhexyl)Phthalate	10	330	780 U	510 U	67 U	100 U	NA	NA	NA	130 J	NA	250 U
Di-n-Octyl Phthalate	10	330			UL	UL	NA	NA	NA		NA	
Benzo(b)Fluoranthene	10	330			UL	UL	NA	NA	NA	96 J	NA	85 J
Benzo(k)Fluoranthene	10	330			UL	UL	NA	NA	NA	96 J	NA	85 J
Benzo(a)Pyrene	10	330			UL	UL	NA	NA	NA		NA	
Indeno(1,2,3-cd)Pyrene	10	330			UL	UL	NA	NA	NA		NA	
Dibenzo(a,h)Anthracene	10	330			UL	UL	NA	NA	NA		NA	
Benzo(g,h,i)Perylene	10	330			UL	UL	NA	NA	NA		NA	
Diphenylsulfone	10	330	S	S	S	S					170 J	
3,4-Dichloronitrobenzene			NA	NA	NA	NA	NA	NA	NA			
Quantitation Limit Multiplier			1.23	1.21	1.11	1.24	1.20	1.88	2.64	1.39	1.22	1.26
Date Sample Received by Laboratory			05/03/90	05/03/90	05/03/90	05/03/90	05/04/90	05/05/90	05/05/90	04/25/90	05/03/90	05/02/90
Date Sample Extracted			05/08/90	05/08/90	06/06/90	06/06/90	05/09/90	05/10/90	05/10/90	04/27/90	05/08/90	05/08/90
Date of Sample Analysis			05/30/90	05/30/90	06/14/90	06/14/90	05/26/90	06/04/90	06/04/90	05/24/90	05/30/90	05/29/90
Instrument Used for Analysis			GCMSS4	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS4	GCMSS4	GCMSS6	GCMSS4	GCMSS1

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-18MS	SD-18MSD	SD-18MSRE	SD-18MSDRE	SD-19	SD-19A	SD-19B	SD-20	SD-21	SD-22
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
alpha-BHC	0.05	8.0	R	R	NA	NA	NA				NA	
beta-BHC	0.05	8.0	R	R	NA	NA	NA				NA	
delta-BHC	0.05	8.0	R	R	NA	NA	NA				NA	
gamma-BHC (Lindane)	0.05	8.0	S	S	NA	NA	NA				NA	
Heptachlor	0.05	8.0	S	S	NA	NA	NA				NA	
Aldrin	0.05	8.0	S	S	NA	NA	NA				NA	
Heptachlor epoxide	0.05	8.0	R	R	NA	NA	NA				NA	
Endosulfan I	0.05	8.0	R	R	NA	NA	NA				NA	
Dieldrin	0.10	16.0	S	S	NA	NA	NA				NA	
4,4'-DDE	0.10	16.0	R	R	NA	NA	NA				NA	
Endrin	0.10	16.0	S	S	NA	NA	NA				NA	
Endosulfan II	0.10	16.0	R	R	NA	NA	NA				NA	
4,4'-DDD	0.10	16.0	R	R	NA	NA	NA				NA	
Endosulfan sulfate	0.10	16.0	R	R	NA	NA	NA				NA	
4,4'-DDT	0.10	16.0	S	S	NA	NA	NA				NA	
Methoxychlor	0.50	80	R	R	NA	NA	NA				NA	
Endrin ketone	0.10	16.0	R	R	NA	NA	NA				NA	
alpha-Chlordane	0.10	80	R	R	NA	NA	NA				NA	
gamma-Chlordane	0.10	80	R	R	NA	NA	NA				NA	
Toxaphene	1.0	160.0	R	R	NA	NA	NA				NA	

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-18MS	SD-18MSD	SD-18MSRE	SD-18MSDRE	SD-19	SD-19A	SD-19B	SD-20	SD-21	SD-22
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Aroclor-1016	0.5	80	R	R	NA	NA	NA				NA	
Aroclor-1221	0.5	80	R	R	NA	NA	NA				NA	
Aroclor-1232	0.5	80	R	R	NA	NA	NA				NA	
Aroclor-1242	0.5	80	R	R	NA	NA	NA				NA	
Aroclor-1248	0.5	80	R	R	NA	NA	NA				NA	
Aroclor-1254	1.0	160	R	R	NA	NA	NA				NA	
Aroclor-1260	1.0	160	R	R	NA	NA	NA				NA	
Quantitation Limit Multiplier			1 24	1.16	NA	NA	NA	8.75	26.9	7.0	NA	2 49
Date Sample Received by Laboratory			05/03/90	05/03/90	NA	NA	NA	05/05/90	05/05/90	04/25/90	NA	05/02/90
Date Sample Extracted			05/09/90	05/09/90	NA	NA	NA	05/15/90	05/15/90	04/27/90	NA	05/04/90
Date of Sample Analysis			06/08/90	06/08/90	NA	NA	NA	06/19/90	06/19/90	05/19/90	NA	06/06/90
Instrument Used for Analysis			MS-24	MS-24	NA	NA	NA	25	25	HP5880	NA	16

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-18MS	SD-18MSD	SD-18MSRE	SD-18MSDRE	SD-19	SD-19A	SD-19B	SD-20	SD-21	SD-22
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Quantitation Limit (Aq)	Reporting Limit (Sol)										
Kepone	0.132	68.0	S	S	NA	NA						
Photomirex	0.0474	20.4	S	S	NA	NA					0.479 J	
Mirex	0.00544	18.5	S	S	NA	NA	125		93.7 J	403 J	45.5	175 J
Reporting Limit Multiplier			1.24	1.19	NA	NA	1.20	2.02	2.80	274	1.23	1.25
Date Received by Laboratory			05/03/90	05/03/90	NA	NA	05/04/90	05/05/90	05/05/90	04/25/90	05/03/90	05/02/90
Date Sample Extracted			05/11/90	05/11/90	NA	NA	05/12/90	05/15/90	05/15/90	04/30/90	05/11/90	05/10/90
Date of Sample Analysis			06/10/90	06/15/90	NA	NA	06/11/90	06/27/90	06/27/90	05/30/90	06/09/90	06/25/90
Instrument Used for Analysis			GCMSS3	GCMSS3	NA	NA	GCMSS2	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3

ERM-Midwest Sample Number			SD-23	SD-24	SD-25
Remarks					
Units			ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)			
Chloromethane	10	10	NA	NA	NA
Bromomethane	10	10	NA	NA	NA
Vinyl Chloride	10	10	NA	NA	NA
Chloroethane	10	10	NA	NA	NA
Methylene Chloride	5.0	5.0	NA	NA	NA
Acetone	10	10	NA	NA	NA
Carbon Disulfide	5.0	5.0	NA	NA	NA
1,1-Dichloroethene	5.0	5.0	NA	NA	NA
1,1-Dichloroethane	5.0	5.0	NA	NA	NA
1,2-Dichloroethene (total)	5.0	5.0	NA	NA	NA
Chloroform	5.0	5.0	NA	NA	NA
1,2-Dichloroethane	5.0	5 0	NA	NA	NA
2-Butanone	10	10	NA	NA	NA
1,1,1-Trichloroethane	5.0	5.0	NA	NA	NA
Carbon Tetrachloride	5.0	5.0	NA	NA	NA
Vinyl Acetate	10	10	NA	NA	NA
Bromodichloromethane	5.0	5.0	NA	NA	NA
1,1,2,2-Tetrachloroethane	5.0	5.0	NA	NA	NA
1,2-Dichloropropane	5.0	5.0	NA	NA	NA
trans-1,3-Dichloropropene	5.0	5.0	NA	NA	NA
Trichloroethene	5.0	5.0	NA	NA	NA
Dibromochloromethane	5.0	5.0	NA	NA	NA
1,1,2-Trichloroethane	5.0	5.0	NA	NA	NA

ERM-Midwest Sample Number			SD-23	SD-24	SD-25
Remarks					
Units			ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0	NA	NA	NA
cis-1,3-Dichloropropene	5.0	5.0	NA	NA	NA
Bromoform	5.0	5.0	NA	NA	NA
2-Hexanone	10	10	NA	NA	NA
4-Methyl-2-Pentanone	10	10	NA	NA	NA
Tetrachloroethene	*5.0*	*5.0*	*NA*	*NA*	*NA*
Toluene	5.0	5.0	NA	NA	NA
Chlorobenzene	5.0	5.0	NA	NA	NA
Ethylbenzene	5.0	5.0	NA	NA	NA
Styrene	5.0	5.0	NA	NA	NA
Xylene (total)	5.0	5.0	NA	NA	NA
Quantitation Limit Multiplier			NA	NA	NA
Date Sample Received by Laboratory			NA	NA	NA
Date of Sample Analysis			NA	NA	NA
Instrument Used for Analysis			NA	NA	NA
TENTATIVELY IDENTIFIED COMPOUNDS					
VOLATILE COMPONENTS			NA	NA	NA
Ethane, 1,1,2-trichloro-1,2,2			NA	NA	NA

ERM-Midwest Sample Number			SD-23	SD-24	SD-25
Remarks					
Units			ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)			
Phenol	10	330		NA	NA
bis(2-Chloroethyl)Ether	10	330		NA	NA
2-Chlorophenol	10	330		NA	NA
1,3-Dichlorobenzene	10	330		NA	NA
1,4-Dichlorobenzene	10	330		NA	NA
Benzyl Alcohol	10	330		NA	NA
1,2-Dichlorobenzene	10	330		NA	NA
2-Methylphenol	10	330		NA	NA
bis(2-Chloroisopropyl)Ether	10	330		NA	NA
4-Methylphenol	10	330		NA	NA
N-Nitroso-Di-n-Propylamine	10	330		NA	NA
Hexachloroethane	10	330		NA	NA
Nitrobenzene	10	330		NA	NA
Isophorone	10	330		NA	NA
2-Nitrophenol	10	330		NA	NA
2,4-Dimethylphenol	10	330		NA	NA
Benzoic Acid	50	1650		NA	NA
bis(2-Chloroethoxy)Methane	10	330		NA	NA
2,4-Dichlorophenol	10	330		NA	NA
1,2,4-Trichlorobenzene	10	330		NA	NA
Naphthalene	10	330		NA	NA
4-Chloroaniline	10	330		NA	NA
Hexachlorobutadiene	10	330		NA	NA

ERM-Midwest Sample Number			SD-23	SD-24	SD-25
Remarks					
Units			ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330		NA	NA
2-Methylnaphthalene	10	330		NA	NA
Hexachlorocyclopentadiene	10	330		NA	NA
2,4,6-Trichlorophenol	10	330		NA	NA
2,4,5-Trichlorophenol	50	1650		NA	NA
2-Chloronaphthalene	10	330		NA	NA
2-Nitroaniline	50	1650		NA	NA
Dimethyl Phthalate	10	330		NA	NA
Acenaphthylene	10	330		NA	NA
3-Nitroaniline	50	1650		NA	NA
Acenaphthene	10	330		NA	NA
2,4-Dinitrophenol	50	1650		NA	NA
4-Nitrophenol	50	1650		NA	NA
Dibenzofuran	10	330		NA	NA
2,4-Dinitrotoluene	10	330		NA	NA
2,6-Dinitrotoluene	10	330		NA	NA
Diethylphthalate	10	330		NA	NA
4-Chlorophenyl-phenylether	10	330		NA	NA
Fluorene	10	330		NA	NA
4-Nitroaniline	50	1650		NA	NA
4,6-Dinitro-2-Methylphenol	50	1650		NA	NA
N-Nitrosodiphenylamine (1)	10	330		NA	NA
4-Bromophenyl-phenylether	10	330		NA	NA
Hexachlorobenzene	10	330		NA	NA
Pentachlorophenol	10	330		NA	NA

ERM-Midwest Sample Number			SD-23	SD-24	SD-25
Remarks					
Units			ug/kg	ug/kg	ug/kg
Phenanthrene	10	330	91 J	NA	NA
Anthracene	10	330		NA	NA
Di-n-Butylphthalate	10	330		NA	NA
Fluoranthene	10	330	180 J	NA	NA
Pyrene	10	330	140 J	NA	NA
Butylbenzylphthalate	10	330		NA	NA
3,3'-Dichlorobenzidine	20	660		NA	NA
Benzo(a)Anthracene	10	330	77 J	NA	NA
Chrysene	10	330	100 J	NA	NA
bis(2-Ethylhexyl)Phthalate	10	330	110 J	NA	NA
Di-n-Octyl Phthalate	10	330		NA	NA
Benzo(b)Fluoranthene	10	330	260 J	NA	NA
Benzo(k)Fluoranthene	10	330	260 J	NA	NA
Benzo(a)Pyrene	10	330	72 J	NA	NA
Indeno(1,2,3-cd)Pyrene	10	330	60 J	NA	NA
Dibenzo(a,h)Anthracene	10	330		NA	NA
Benzo(g,h,i)Perylene	10	330		NA	NA
Diphenylsulfone	10	330			
3,4-Dichloronitrobenzene					
Quantitation Limit Multiplier			1.67	1.37	1.52
Date Sample Received by Laboratory			04/25/90	05/02/90	05/02/90
Date Sample Extracted			04/27/90	05/08/90	05/08/90
Date of Sample Analysis			05/24/90	05/29/90	05/29/90
Instrument Used for Analysis			GCMSS6	GCMSS1	GCMSS1

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-23	SD-24	SD-25
Remarks					
Units			ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)			
alpha-BHC	0.05	8.0		NA	NA
beta-BHC	0.05	8.0		NA	NA
delta-BHC	0.05	8.0		NA	NA
gamma-BHC (Lindane)	0.05	8.0		NA	NA
Heptachlor	0.05	8.0		NA	NA
Aldrin	0.05	8 0		NA	NA
Heptachlor epoxide	0.05	8.0		NA	NA
Endosulfan I	0.05	8.0		NA	NA
Dieldrin	0.10	16.0		NA	NA
4,4'-DDE	0.10	16.0		NA	NA
Endrin	0.10	16.0		NA	NA
Endosulfan II	0.10	16.0		NA	NA
4,4'-DDD	0.10	16.0		NA	NA
Endosulfan sulfate	0.10	16.0		NA	NA
4,4'-DDT	0.10	16.0		NA	NA
Methoxychlor	0.50	80		NA	NA
Endrin ketone	0.10	16.0		NA	NA
alpha-Chlordane	0.10	80		NA	NA
gamma-Chlordane	0.10	80		NA	NA
Toxaphene	1.0	160.0		NA	NA

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-23	SD-24	SD-25
Remarks					
Units			ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)			
Aroclor-1016	0.5	80		NA	NA
Aroclor-1221	0.5	80		NA	NA
Aroclor-1232	0.5	80		NA	NA
Aroclor-1242	0.5	80		NA	NA
Aroclor-1248	0.5	80		NA	NA
Aroclor-1254	1.0	160		NA	NA
Aroclor-1260	1.0	160		NA	NA
Quantitation Limit Multiplier			8.4	NA	NA
Date Sample Received by Laboratory			04/25/90	NA	NA
Date Sample Extracted			04/27/90	NA	NA
Date of Sample Analysis			05/19/90	NA	NA
Instrument Used for Analysis			HP5880	NA	NA

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-23	SD-24	SD-25
Remarks					
Units			ug/kg	ug/kg	ug/kg
COMPOUNDS	Quantitation Limit (Aq)	Reporting Limit (Sol)			
Kepone	0.132	68.0			
Photomirex	0.0474	20.4	2.96 J		
Mirex	0.00544	18.5	107	127	75.3
Reporting Limit Multiplier			1.68	1.37	1.52
Date Received by Laboratory			04/25/90	05/02/90	05/02/90
Date Sample Extracted			04/30/90	05/10/90	05/10/90
Date of Sample Analysis			05/30/90	06/25/90	06/25/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-26	SD-27	SD-28	SD-29	SD-30	SD-31	SD-32	SD-33	SD-34	SD-35
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Chloromethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	5 0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	5.0	5 0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Acetate	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-26	SD-27	SD-28	SD-29	SD-30	SD-31	SD-32	SD-33	SD-34	SD-35
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylene (total)	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Date Sample Received by Laboratory			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Date of Sample Analysis			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Instrument Used for Analysis			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-26	SD-27	SD-28	SD-29	SD-30	SD-31	SD-32	SD-33	SD-34	SD-35
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Phenol	10	330	NA	NA				NA	NA	NA	NA	
bis(2-Chloroethyl)Ether	10	330	NA	NA				NA	NA	NA	NA	
2-Chlorophenol	10	330	NA	NA				NA	NA	NA	NA	
1,3-Dichlorobenzene	10	330	NA	NA				NA	NA	NA	NA	
1,4-Dichlorobenzene	10	330	NA	NA				NA	NA	NA	NA	
Benzyl Alcohol	10	330	NA	NA				NA	NA	NA	NA	
1,2-Dichlorobenzene	10	330	NA	NA				NA	NA	NA	NA	
2-Methylphenol	10	330	NA	NA				NA	NA	NA	NA	
bis(2-Chloroisopropyl)Ether	10	330	NA	NA				NA	NA	NA	NA	
4-Methylphenol	10	330	NA	NA				NA	NA	NA	NA	
N-Nitroso-Di-n-Propylamine	10	330	NA	NA				NA	NA	NA	NA	
Hexachloroethane	10	330	NA	NA				NA	NA	NA	NA	
Nitrobenzene	10	330	NA	NA				NA	NA	NA	NA	
Isophorone	10	330	NA	NA				NA	NA	NA	NA	
2-Nitrophenol	10	330	NA	NA				NA	NA	NA	NA	
2,4-Dimethylphenol	10	330	NA	NA				NA	NA	NA	NA	
Benzoic Acid	50	1650	NA	NA				NA	NA	NA	NA	
bis(2-Chloroethoxy)Methane	10	330	NA	NA				NA	NA	NA	NA	
2,4-Dichlorophenol	10	330	NA	NA				NA	NA	NA	NA	
1,2,4-Trichlorobenzene	10	330	NA	NA				NA	NA	NA	NA	
Naphthalene	10	330	NA	NA				NA	NA	NA	NA	
4-Chloroaniline	10	330	NA	NA				NA	NA	NA	NA	
Hexachlorobutadiene	10	330	NA	NA				NA	NA	NA	NA	

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-26	SD-27	SD-28	SD-29	SD-30	SD-31	SD-32	SD-33	SD-34	SD-35
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330	NA	NA				NA	NA	NA	NA	
2-Methylnaphthalene	10	330	NA	NA				NA	NA	NA	NA	52 J
Hexachlorocyclopentadiene	10	330	NA	NA				NA	NA	NA	NA	
2,4,6-Trichlorophenol	10	330	NA	NA				NA	NA	NA	NA	
2,4,5-Trichlorophenol	50	1650	NA	NA				NA	NA	NA	NA	
2-Chloronaphthalene	10	330	NA	NA				NA	NA	NA	NA	
2-Nitroaniline	50	1650	NA	NA				NA	NA	NA	NA	
Dimethyl Phthalate	10	330	NA	NA				NA	NA	NA	NA	
Acenaphthylene	10	330	NA	NA				NA	NA	NA	NA	
3-Nitroaniline	50	1650	NA	NA				NA	NA	NA	NA	
Acenaphthene	10	330	NA	NA				NA	NA	NA	NA	
2,4-Dinitrophenol	50	1650	NA	NA				NA	NA	NA	NA	
4-Nitrophenol	50	1650	NA	NA				NA	NA	NA	NA	
Dibenzofuran	10	330	NA	NA				NA	NA	NA	NA	
2,4-Dinitrotoluene	10	330	NA	NA				NA	NA	NA	NA	
2,6-Dinitrotoluene	10	330	NA	NA				NA	NA	NA	NA	
Diethylphthalate	10	330	NA	NA				NA	NA	NA	NA	
4-Chlorophenyl-phenylether	10	330	NA	NA				NA	NA	NA	NA	
Fluorene	10	330	NA	NA				NA	NA	NA	NA	
4-Nitroaniline	50	1650	NA	NA				NA	NA	NA	NA	
4,6-Dinitro-2-Methylphenol	50	1650	NA	NA				NA	NA	NA	NA	
N-Nitrosodiphenylamine (1)	10	330	NA	NA				NA	NA	NA	NA	
4-Bromophenyl-phenylether	10	330	NA	NA				NA	NA	NA	NA	
Hexachlorobenzene	10	330	NA	NA				NA	NA	NA	NA	
Pentachlorophenol	10	330	NA	NA				NA	NA	NA	NA	

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-26	SD-27	SD-28	SD-29	SD-30	SD-31	SD-32	SD-33	SD-34	SD-35
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330	NA	NA	81 J	93 J	200 J	NA	NA	NA	NA	130 J
Anthracene	10	330	NA	NA				NA	NA	NA	NA	
Di-n-Butylphthalate	10	330	NA	NA				NA	NA	NA	NA	
Fluoranthene	10	330	NA	NA	110 J	140 J	360 J	NA	NA	NA	NA	190 J
Pyrene	10	330	NA	NA	77 J	96 J	230 J	NA	NA	NA	NA	130 J
Butylbenzylphthalate	10	330	NA	NA				NA	NA	NA	NA	
3,3'-Dichlorobenzidine	20	660	NA	NA				NA	NA	NA	NA	
Benzo(a)Anthracene	10	330	NA	NA	44 J	60 J	150 J	NA	NA	NA	NA	81 J
Chrysene	10	330	NA	NA	53 J	70 J	180 J	NA	NA	NA	NA	97 J
bis(2-Ethylhexyl)Phthalate	10	330	NA	NA	72 J	46 J	63 J	NA	NA	NA	NA	160 J
Di-n-Octyl Phthalate	10	330	NA	NA				NA	NA	NA	NA	
Benzo(b)Fluoranthene	10	330	NA	NA	84 J	110 J	320 J	NA	NA	NA	NA	150 J
Benzo(k)Fluoranthene	10	330	NA	NA	84 J	110 J	320 J	NA	NA	NA	NA	150 J
Benzo(a)Pyrene	10	330	NA	NA		51 J	240 J	NA	NA	NA	NA	75 J
Indeno(1,2,3-cd)Pyrene	10	330	NA	NA			130 J	NA	NA	NA	NA	54 J
Dibenzo(a,h)Anthracene	10	330	NA	NA			150 J	NA	NA	NA	NA	
Benzo(g,h,i)Perylene	10	330	NA	NA		43 J	230 J	NA	NA	NA	NA	58 J
Diphenylsulfone	10	330			55 J							
3,4-Dichloronitrobenzene				NA								
Quantitation Limit Multiplier			2.76	1.30	1.12	1.27	1.30	3.04	1.36	1.12	1.20	1.30
Date Sample Received by Laboratory			05/02/90	05/04/90	04/25/90	04/25/90	04/25/90	05/02/90	05/02/90	05/02/90	05/02/90	04/25/90
Date Sample Extracted			05/08/90	05/09/90	04/27/90	04/27/90	04/27/90	05/08/90	05/08/90	05/08/90	05/08/90	04/27/90
Date of Sample Analysis			05/29/90	05/26/90	05/20/90	05/20/90	05/20/90	05/29/90	05/29/90	05/29/90	05/28/90	05/20/90
Instrument Used for Analysis			GCMSS1	GCMSS1	GCMSS6	GCMSS6	GCMSS6	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS6

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-26	SD-27	SD-28	SD-29	SD-30	SD-31	SD-32	SD-33	SD-34	SD-35
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
alpha-BHC	0.05	8.0	NA					NA	NA	NA	NA	
beta-BHC	0.05	8.0	NA					NA	NA	NA	NA	
delta-BHC	0.05	8.0	NA					NA	NA	NA	NA	
gamma-BHC (Lindane)	0.05	8.0	NA					NA	NA	NA	NA	
Heptachlor	0.05	8.0	NA					NA	NA	NA	NA	
Aldrin	0.05	8.0	NA					NA	NA	NA	NA	
Heptachlor epoxide	0.05	8.0	NA					NA	NA	NA	NA	
Endosulfan I	0.05	8.0	NA					NA	NA	NA	NA	
Dieldrin	0.10	16.0	NA					NA	NA	NA	NA	
4,4'-DDE	0.10	16.0	NA					NA	NA	NA	NA	
Endrin	0.10	16.0	NA					NA	NA	NA	NA	
Endosulfan II	0.10	16.0	NA					NA	NA	NA	NA	
4,4'-DDD	0.10	16.0	NA					NA	NA	NA	NA	
Endosulfan sulfate	0.10	16.0	NA					NA	NA	NA	NA	
4,4'-DDT	0.10	16.0	NA					NA	NA	NA	NA	
Methoxychlor	0.50	80	NA					NA	NA	NA	NA	
Endrin ketone	0.10	16.0	NA					NA	NA	NA	NA	
alpha-Chlordane	0.10	80	NA					NA	NA	NA	NA	
gamma-Chlordane	0.10	80	NA					NA	NA	NA	NA	
Toxaphene	1.0	160.0	NA					NA	NA	NA	NA	

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-26	SD-27	SD-28	SD-29	SD-30	SD-31	SD-32	SD-33	SD-34	SD-35
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Aroclor-1016	0.5	80	NA					NA	NA	NA	NA	
Aroclor-1221	0.5	80	NA					NA	NA	NA	NA	
Aroclor-1232	0.5	80	NA					NA	NA	NA	NA	
Aroclor-1242	0.5	80	NA					NA	NA	NA	NA	
Aroclor-1248	0.5	80	NA					NA	NA	NA	NA	
Aroclor-1254	1.0	160	NA					NA	NA	NA	NA	
Aroclor-1260	1.0	160	NA					NA	NA	NA	NA	
Quantitation Limit Multiplier			NA	1.29	10.9	12.5	6.6	NA	NA	NA	NA	12.5
Date Sample Received by Laboratory			NA	05/04/90	04/25/90	04/25/90	04/25/90	NA	NA	NA	NA	04/25/90
Date Sample Extracted			NA	05/09/90	04/27/90	04/27/90	04/27/90	NA	NA	NA	NA	04/27/90
Date of Sample Analysis			NA	06/08/90	05/19/90	05/19/90	05/19/90	NA	NA	NA	NA	05/19/90
Instrument Used for Analysis			NA	24	HP5880	HP5880	HP5880	NA	NA	NA	NA	HP5880

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-26	SD-27	SD-28	SD-29	SD-30	SD-31	SD-32	SD-33	SD-34	SD-35
Remarks												
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Quantitation Limit	Reporting Limit (Sol)										
Kepone	0.132	68.0										
Photomirex	0.0474	20.4										
Mirex	0.00544	18.5	181	158	100 J		102 J	41.5	33.7	78.5	18.5 J	
Reporting Limit Multiplier			1.36	1.30	21.9	1.29	26.2	1.50	1.39	1.15	1.19	1.29
Date Received by Laboratory			05/02/90	05/04/90	04/25/90	04/25/90	04/25/90	05/02/90	05/02/90	05/02/90	05/02/90	04/25/90
Date Sample Extracted			05/10/90	05/12/90	04/30/90	04/30/90	04/30/90	05/10/90	05/10/90	05/10/90	05/10/90	04/30/90
Date of Sample Analysis			06/25/90	06/12/90	05/30/90	05/30/90	05/30/90	06/25/90	06/25/90	06/25/90	06/25/90	05/26/90
Instrument Used for Analysis			GCMSS3	GCMSS2	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-37	SD-38	SD-39	SD-64	SD-40	SD-41	SD-42	SD-42-MS	SD-42-MSD	SD-42MSDRE
Remarks					Duplicate of SD-64	Duplicate of SD-39						
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Chloromethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Acetate	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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ERM-Midwest Sample Number			SD-37	SD-38	SD-39	SD-64	SD-40	SD-41	SD-42	SD-42-MS	SD-42-MSD	SD-42MSDRE
Remarks					Duplicate of SD-64	Duplicate of SD-39						
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylene (total)	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Date Sample Received by Laboratory			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Date of Sample Analysis			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Instrument Used for Analysis			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-37	SD-38	SD-39	SD-64	SD-40	SD-41	SD-42	SD-42-MS	SD-42-MSD	SD-42MSDRE
Remarks					Duplicate of SD-64	Duplicate of SD-39						
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Phenol	10	330		NA				NA		S	S	S
bis(2-Chloroethyl)Ether	10	330		NA				NA				UL
2-Chlorophenol	10	330		NA				NA		S	S	S
1,3-Dichlorobenzene	10	330		NA				NA				UL
1,4-Dichlorobenzene	10	330		NA				NA		S	S	S
Benzyl Alcohol	10	330		NA				NA				UL
1,2-Dichlorobenzene	10	330		NA				NA				UL
2-Methylphenol	10	330		NA				NA				UL
bis(2-Chloroisopropyl)Ether	10	330		NA				NA				UL
4-Methylphenol	10	330		NA				NA	290 J	260 J	250 J	51 J
N-Nitroso-Di-n-Propylamine	10	330		NA				NA		S	S	S
Hexachloroethane	10	330		NA				NA				UL
Nitrobenzene	10	330		NA				NA				UL
Isophorone	10	330		NA				NA				UL
2-Nitrophenol	10	330		NA				NA				UL
2,4-Dimethylphenol	10	330		NA				NA				UL
Benzoic Acid	50	1650		NA				NA				UL
bis(2-Chloroethoxy)Methane	10	330		NA				NA				UL
2,4-Dichlorophenol	10	330		NA				NA				UL
1,2,4-Trichlorobenzene	10	330		NA				NA		S	S	S
Naphthalene	10	330	69 J	NA			140 J	NA				UL
4-Chloroaniline	10	330		NA				NA				UL
Hexachlorobutadiene	10	330		NA				NA				UL

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ERM-Midwest Sample Number			SD-37	SD-38	SD-39	SD-64	SD-40	SD-41	SD-42	SD-42-MS	SD-42-MSD	SD-42MSDRE
Remarks					Duplicate of SD-64	Duplicate of SD-39						
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330		NA				NA		S	S	S
2-Methylnaphthalene	10	330	81 J	NA			82 J	NA				UL
Hexachlorocyclopentadiene	10	330		NA				NA				UL
2,4,6-Trichlorophenol	10	330		NA				NA				UL
2,4,5-Trichlorophenol	50	1650		NA				NA				UL
2-Chloronaphthalene	10	330		NA				NA				UL
2-Nitroaniline	50	1650		NA				NA				UL
Dimethyl Phthalate	10	330		NA				NA				UL
Acenaphthylene	10	330		NA				NA				UL
3-Nitroaniline	50	1650		NA				NA				UL
Acenaphthene	10	330		NA			100 J	NA		S	S	S
2,4-Dinitrophenol	50	1650		NA				NA				UL
4-Nitrophenol	50	1650		NA				NA		S	S	S
Dibenzofuran	10	330		NA			180 J	NA				UL
2,4-Dinitrotoluene	10	330		NA				NA				S
2,6-Dinitrotoluene	10	330		NA				NA		S	S	UL
Diethylphthalate	10	330		NA				NA				UL
4-Chlorophenyl-phenylether	10	330		NA				NA				UL
Fluorene	10	330		NA			230 J	NA				UL
4-Nitroaniline	50	1650		NA				NA				UL
4,6-Dinitro-2-Methylphenol	50	1650		NA				NA				UL
N-Nitrosodiphenylamine (1)	10	330	61 U	NA			49 U	NA				UL
4-Bromophenyl-phenylether	10	330		NA				NA				UL
Hexachlorobenzene	10	330		NA				NA				UL
Pentachlorophenol	10	330		NA				NA		S	S	S

ERM-Midwest Sample Number			SD-37	SD-38	SD-39	SD-64	SD-40	SD-41	SD-42	SD-42-MS	SD-42-MSD	SD-42MSDRE
Remarks					Duplicate of SD-64	Duplicate of SD-39						
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330	170 J	NA			1800	NA	120 J	150 J	140 J	150 J
Anthracene	10	330		NA			340 J	NA		52 J	40 J	UL
Di-n-Butylphthalate	10	330		NA				NA				UL
Fluoranthene	10	330	180 J	NA			1100	NA	210 J	280 J	270 J	190 J
Pyrene	10	330	180 J	NA			790	NA	170 J	S	S	S
Butylbenzylphthalate	10	330		NA				NA				UL
3,3'-Dichlorobenzidine	20	660		NA				NA				UL
Benzo(a)Anthracene	10	330	100 J	NA			480	NA	100 J	150 J		93 J
Chrysene	10	330	110 J	NA			530	NA	120 J	340 J	160 J	110 J
bis(2-Ethylhexyl)Phthalate	10	330	240 U	NA	160 U	210 U	200 U	NA	390 U	400 U	390 U	390 U
Di-n-Octyl Phthalate	10	330		NA				NA				UL
Benzo(b)Fluoranthene	10	330	170 J	NA			680 J	NA	170 J	250 J	120 J	160 J
Benzo(k)Fluoranthene	10	330	170 J	NA			680 J	NA	170 J	250 J	120 J	160 J
Benzo(a)Pyrene	10	330	85 J	NA			310 J	NA	81 J	120 J	110 J	74 J
Indeno(1,2,3-cd)Pyrene	10	330	71 J	NA			150 J	NA	48 J	60 J	55 J	62 J
Dibenzo(a,h)Anthracene	10	330		NA			81 J	NA				UL
Benzo(g,h,i)Perylene	10	330	62 J	NA			120 J	NA	47 J	63 J	55 J	56 J
Diphenylsulfone	10	330								S	S	S
3,4-Dichloronitrobenzene												
Quantitation Limit Multiplier			1.45	1.26	1.26	1.39	1.31	1.30	1.18	1.21	1.18	1.18
Date Sample Received by Laboratory			05/02/90	05/02/90	05/02/90	05/02/90	05/02/90	05/02/90	05/01/90	05/01/90	05/01/90	05/01/90
Date Sample Extracted			05/08/90	05/08/90	05/08/90	05/08/90	05/08/90	05/08/90	05/03/90	05/03/90	05/03/90	06/06/90
Date of Sample Analysis			05/31/90	05/31/90	05/31/90	05/31/90	05/29/90	05/29/90	05/29/90	05/29/90	05/29/90	06/15/90
Instrument Used for Analysis			GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS4	GCMSS4	GCMSS4	GCMSS1

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ERM-Midwest Sample Number			SD-37	SD-38	SD-39	SD-64	SD-40	SD-41	SD-42	SD-42-MS	SD-42-MSD	SD-42MSDRE
Remarks					Duplicate of SD-64	Duplicate of SD-39						
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
alpha-BHC	0.05	8.0		NA				NA				NA
beta-BHC	0.05	8.0		NA				NA				NA
delta-BHC	0.05	8.0		NA				NA				NA
gamma-BHC (Lindane)	0.05	8.0		NA				NA	UL	S	S	NA
Heptachlor	0.05	8.0		NA				NA	UL	S	S	NA
Aldrin	0.05	8.0		NA				NA	R	S	S	NA
Heptachlor epoxide	0.05	8.0		NA				NA				NA
Endosulfan I	0.05	8.0		NA				NA				NA
Dieldrin	0.10	16.0		NA				NA	UL	S	S	NA
4,4'-DDE	0.10	16.0		NA				NA				NA
Endrin	0.10	16.0		NA				NA	R	S	S	NA
Endosulfan II	0.10	16.0		NA				NA				NA
4,4'-DDD	0.10	16.0		NA				NA				NA
Endosulfan sulfate	0.10	16.0		NA				NA				NA
4,4'-DDT	0.10	16.0		NA				NA	R	S	S	NA
Methoxychlor	0.50	80		NA				NA				NA
Endrin ketone	0.10	16.0		NA				NA				NA
alpha-Chlordane	0.10	80		NA				NA				NA
gamma-Chlordane	0.10	80		NA				NA				NA
Toxaphene	1.0	160.0		NA				NA				NA

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ERM-Midwest Sample Number			SD-37	SD-38	SD-39	SD-64	SD-40	SD-41	SD-42	SD-42-MS	SD-42-MSD	SD-42MSDRE
Remarks					Duplicate of SD-64	Duplicate of SD-39						
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Aroclor-1016	0.5	80		NA				NA				NA
Aroclor-1221	0.5	80		NA				NA				NA
Aroclor-1232	0.5	80		NA				NA				NA
Aroclor-1242	0.5	80		NA				NA				NA
Aroclor-1248	0.5	80		NA				NA				NA
Aroclor-1254	1.0	160		NA				NA				NA
Aroclor-1260	1.0	160		NA				NA				NA
Quantitation Limit Multiplier			5.08	NA	1.22	1.36	2 46	NA	6.00	6.13	6.25	NA
Date Sample Received by Laboratory			05/02/90	NA	05/02/90	05/02/90	05/02/90	NA	05/01/90	05/01/90	05/01/90	NA
Date Sample Extracted			05/04/90	NA	05/04/90	05/04/90	05/04/90	NA	05/04/90	05/04/90	05/04/90	NA
Date of Sample Analysis			06/06/90	NA	06/06/90	06/06/90	06/06/90	NA	06/03/90	06/03/90	06/03/90	NA
Instrument Used for Analysis			16	NA	16	16	16	NA	MS-15	MS-15	MS-15	NA

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ERM-Midwest Sample Number			SD-37	SD-38	SD-39	SD-64	SD-40	SD-41	SD-42	SD-42-MS	SD-42-MSD	SD-42MSDRE
Remarks					Duplicate of SD-64	Duplicate of SD-39						
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Quantitation Limit	Reporting Limit (Sol)										
Kepone	0.132	68.0								S	S	NA
Photomirex	0.0474	20.4								S	S	NA
Mirex	0.00544	18.5	24.1 J	58.8		21.8 J			10.5 J	S	S	NA
Reporting Limit Multiplier			1.42	1.25	1.24	1.38	1.31	1.28	1.17	1.51	1.56	NA
Date Received by Laboratory			05/02/90	05/02/90	05/02/90	05/02/90	05/02/90	05/02/90	05/01/90	05/01/90	05/01/90	NA
Date Sample Extracted			05/10/90	05/10/90	05/10/90	05/10/90	05/10/90	05/10/90	05/02/90	05/02/90	05/02/90	NA
Date of Sample Analysis			06/27/90	06/27/90	06/25/90	06/25/90	06/25/90	06/25/90	06/09/90	06/09/90	06/09/90	NA
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS2	GCMSS2	GCMSS2	NA

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ERM-Midwest Sample Number			SD-42MSRE	SD-43	SD-66	SD-44	SD-45	SD-45-107	SD-46	SD-47	SD-48	SD-49
Remarks					Dup. of SD-43			Field Blank				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Chloromethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Acetate	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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ERM-Midwest Sample Number			SD-42MSRE	SD-43	SD-66	SD-44	SD-45	SD-45-107	SD-46	SD-47	SD-48	SD-49
Remarks					Dup. of SD-43			Field Blank				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5.0	5 0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5 0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylene (total)	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Date Sample Received by Laboratory			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Date of Sample Analysis			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Instrument Used for Analysis			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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ERM-Midwest Sample Number			SD-42MSRE	SD-43	SD-66	SD-44	SD-45	SD-45-107	SD-46	SD-47	SD-48	SD-49
Remarks					Dup. of SD-43			Field Blank				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Phenol	10	330	S	NA	NA	120 J		UL	NA			
bis(2-Chloroethyl)Ether	10	330	UL	NA	NA			UL	NA			
2-Chlorophenol	10	330	S	NA	NA			UL	NA			
1,3-Dichlorobenzene	10	330	UL	NA	NA			UL	NA			
1,4-Dichlorobenzene	10	330	S	NA	NA			UL	NA			
Benzyl Alcohol	10	330	UL	NA	NA			UL	NA			
1,2-Dichlorobenzene	10	330	UL	NA	NA			UL	NA			
2-Methylphenol	10	330	UL	NA	NA			UL	NA			
bis(2-Chloroisopropyl)Ether	10	330	UL	NA	NA			UL	NA			
4-Methylphenol	10	330	64 J	NA	NA	2100		UL	NA			
N-Nitroso-Di-n-Propylamine	10	330	S	NA	NA			UL	NA			
Hexachloroethane	10	330	UL	NA	NA			UL	NA			
Nitrobenzene	10	330	UL	NA	NA			UL	NA			
Isophorone	10	330	UL	NA	NA			UL	NA			
2-Nitrophenol	10	330	UL	NA	NA			UL	NA			
2,4-Dimethylphenol	10	330	UL	NA	NA			UL	NA			
Benzoic Acid	50	1650	UL	NA	NA			UL	NA			
bis(2-Chloroethoxy)Methane	10	330	UL	NA	NA			UL	NA			
2,4-Dichlorophenol	10	330	UL	NA	NA			UL	NA			
1,2,4-Trichlorobenzene	10	330	S	NA	NA			UL	NA			
Naphthalene	10	330	49 J	NA	NA			UL	NA			51 J
4-Chloroaniline	10	330	UL	NA	NA			UL	NA			
Hexachlorobutadiene	10	330	UL	NA	NA			UL	NA			

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ERM-Midwest Sample Number			SD-42MSRE	SD-43	SD-66	SD-44	SD-45	SD-45-107	SD-46	SD-47	SD-48	SD-49
Remarks					Dup. of SD-43			Field Blank				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330	S	NA	NA			UL	NA			
2-Methylnaphthalene	10	330	UL	NA	NA			UL	NA			100 J
Hexachlorocyclopentadiene	10	330	UL	NA	NA			UL	NA			
2,4,6-Trichlorophenol	10	330	UL	NA	NA			UL	NA			
2,4,5-Trichlorophenol	50	1650	UL	NA	NA			UL	NA			
2-Chloronaphthalene	10	330	UL	NA	NA			UL	NA			
2-Nitroaniline	50	1650	UL	NA	NA			UL	NA			
Dimethyl Phthalate	10	330	UL	NA	NA			UL	NA			
Acenaphthylene	10	330	UL	NA	NA			UL	NA			
3-Nitroaniline	50	1650	UL	NA	NA			UL	NA			
Acenaphthene	10	330	S	NA	NA			UL	NA			
2,4-Dinitrophenol	50	1650	UL	NA	NA			UL	NA			
4-Nitrophenol	50	1650	S	NA	NA			UL	NA			
Dibenzofuran	10	330	UL	NA	NA			UL	NA			
2,4-Dinitrotoluene	10	330	S	NA	NA			UL	NA			
2,6-Dinitrotoluene	10	330	UL	NA	NA			UL	NA			
Diethylphthalate	10	330	UL	NA	NA			UL	NA			
4-Chlorophenyl-phenylether	10	330	UL	NA	NA			UL	NA			
Fluorene	10	330	UL	NA	NA			UL	NA			
4-Nitroaniline	50	1650	UL	NA	NA			UL	NA			
4,6-Dinitro-2-Methylphenol	50	1650	UL	NA	NA			UL	NA			
N-Nitrosodiphenylamine (1)	10	330	UL	NA	NA			UL	NA			
4-Bromophenyl-phenylether	10	330	UL	NA	NA			UL	NA			
Hexachlorobenzene	10	330	UL	NA	NA			UL	NA			
Pentachlorophenol	10	330	S	NA	NA			UL	NA			

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ERM-Midwest Sample Number			SD-42MSRE	SD-43	SD-66	SD-44	SD-45	SD-45-107	SD-46	SD-47	SD-48	SD-49
Remarks					Dup. of SD-43			Field Blank				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330	250 J	NA	NA	87 J	110 J	UL	NA	71 J	62 J	97 J
Anthracene	10	330	49 J	NA	NA			UL	NA			
Di-n-Butylphthalate	10	330	UL	NA	NA			UL	NA			
Fluoranthene	10	330	430	NA	NA	170 J	160 J	UL	NA	110 J	49 J	
Pyrene	10	330	S	NA	NA	120 J	140 J	UL	NA	89 J	46 J	
Butylbenzylphthalate	10	330	UL	NA	NA			UL	NA			
3,3'-Dichlorobenzidine	20	660	UL	NA	NA			UL	NA			
Benzo(a)Anthracene	10	330	180 J	NA	NA	74 J	78 R	UL	NA	63 J		
Chrysene	10	330	220 J	NA	NA	77 J	93 J	UL	NA	68 J		
bis(2-Ethylhexyl)Phthalate	10	330	390 U	NA	NA	420 U	400 U	8 J	NA	130 U	180 U	410 U
Di-n-Octyl Phthalate	10	330	UL	NA	NA			UL	NA			
Benzo(b)Fluoranthene	10	330	330 J	NA	NA	110 J	120 J	UL	NA	100 J		
Benzo(k)Fluoranthene	10	330	330 J	NA	NA	110 J	120 J	UL	NA	100 J		
Benzo(a)Pyrene	10	330	160 J	NA	NA	56 J	53 J	UL	NA	55 J		
Indeno(1,2,3-cd)Pyrene	10	330	110 J	NA	NA			UL	NA			
Dibenzo(a,h)Anthracene	10	330	UL	NA	NA			UL	NA			
Benzo(g,h,i)Perylene	10	330	100 J	NA	NA		41 J	UL	NA			
Diphenylsulfone	10	330	S					UL				
3,4-Dichloronitrobenzene				NA	NA			NA				
Quantitation Limit Multiplier			1.18	1.36	1.48	1.27	1.24	1.0	1.24	1.17	1.32	1.24
Date Sample Received by Laboratory			05/01/90	05/05/90	05/05/90	05/01/90	05/01/90	05/01/90	05/01/90	05/02/90	05/02/90	05/01/90
Date Sample Extracted			06/06/90	05/10/90	05/10/90	05/03/90	05/03/90	05/03/90	05/03/90	05/08/90	05/08/90	05/03/90
Date of Sample Analysis			06/15/90	06/04/90	06/04/90	05/29/90	05/29/90	05/29/90	05/29/90	05/29/90	05/29/90	05/30/90
Instrument Used for Analysis			GCMSS1	GCMSS4	GCMSS4	GCMSS4	GCMSS4	GCMSS4	GCMSS4	GCMSS1	GCMSS1	GCMSS4

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ERM-Midwest Sample Number			SD-42MSRE	SD-43	SD-66	SD-44	SD-45	SD-45-107	SD-46	SD-47	SD-48	SD-49
Remarks					Dup. of SD-43			Field Blank				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
alpha-BHC	0.05	8.0	NA		R				NA			
beta-BHC	0.05	8.0	NA		R				NA			
delta-BHC	0.05	8.0	NA		R				NA			
gamma-BHC (Lindane)	0.05	8.0	NA		R				NA			
Heptachlor	0.05	8.0	NA		R				NA			
Aldrin	0.05	8.0	NA		R				NA			
Heptachlor epoxide	0.05	8.0	NA		R				NA			
Endosulfan I	0.05	8.0	NA		R				NA			
Dieldrin	0 10	16.0	NA		R				NA			
4,4'-DDE	0.10	16.0	NA		R				NA			
Endrin	0 10	16.0	NA		R				NA			
Endosulfan II	0.10	16.0	NA		R				NA			
4,4'-DDD	0.10	16.0	NA		R				NA			
Endosulfan sulfate	0 10	16.0	NA		R				NA			
4,4'-DDT	0.10	16.0	NA	UL	R				NA			
Methoxychlor	0.50	80	NA		R			1.8 J	NA			
Endrin ketone	0.10	16.0	NA		R				NA			
alpha-Chlordane	0.10	80	NA		R				NA			
gamma-Chlordane	0.10	80	NA		R				NA			
Toxaphene	1.0	160.0	NA		R				NA			

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ERM-Midwest Sample Number			SD-42MSRE	SD-43	SD-66	SD-44	SD-45	SD-45-107	SD-46	SD-47	SD-48	SD-49
Remarks					Dup. of SD-43			Field Blank				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Aroclor-1016	0.5	80	NA		R				NA			
Aroclor-1221	0.5	80	NA		R				NA			
Aroclor-1232	0.5	80	NA		R				NA			
Aroclor-1242	0.5	80	NA		R				NA			
Aroclor-1248	0.5	80	NA		R				NA			
Aroclor-1254	1.0	160	NA		R				NA			
Aroclor-1260	1.0	160	NA		R				NA			
Quantitation Limit Multiplier			NA	1.38	1 63	6.13	6.13	5.00	NA	2.47	1.32	6.13
Date Sample Received by Laboratory			NA	05/05/90	05/05/90	05/01/90	05/01/90	05/01/90	NA	05/02/90	05/02/90	05/01/90
Date Sample Extracted			NA	05/15/90	05/15/90	05/04/90	05/04/90	05/07/90	NA	05/04/90	05/04/90	05/04/90
Date of Sample Analysis			NA	06/19/90	06/19/90	06/03/90	06/03/90	06/03/90	NA	06/06/90	06/06/90	06/03/90
Instrument Used for Analysis			NA	25	25	MS-15	MS-15	MS-15	NA	16	16	MS-15

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-42MSRE	SD-43	SD-66	SD-44	SD-45	SD-45-107	SD-46	SD-47	SD-48	SD-49
Remarks					Dup. of SD-43			Field Blank				
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Quantitation Limit	Reporting Limit (Sol)										
Kepone	0.132	68.0	NA		R							
Photomirex	0.0474	20.4	NA		R							
Mirex	0.00544	18.5	NA		R	6.30 J	10 9 J					
Reporting Limit Multiplier			NA	1.50	1.66	1.21	1.21	4.00	1.23	1 17	1 21	1.21
Date Received by Laboratory			NA	05/05/90	05/05/90	05/01/90	05/01/90	05/01/90	05/01/90	05/02/90	05/02/90	05/01/90
Date Sample Extracted			NA	05/15/90	05/15/90	05/02/90	05/02/90	05/04/90	05/02/90	05/10/90	05/10/90	05/02/90
Date of Sample Analysis			NA	06/28/90	06/28/90	06/09/90	06/09/90	06/07/90	06/09/90	06/25/90	06/25/90	06/09/90
Instrument Used for Analysis			NA	GCMSS3	GCMSS3	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS3	GCMSS3	GCMSS2

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-63	SD-50	SD-51	SD-52
Remarks			Duplicate of SD-49			
Units			ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)				
Chloromethane	10	10	NA	NA	NA	NA
Bromomethane	10	10	NA	NA	NA	NA
Vinyl Chloride	10	10	NA	NA	NA	NA
Chloroethane	10	10	NA	NA	NA	NA
Methylene Chloride	5.0	5.0	NA	NA	NA	NA
Acetone	10	10	NA	NA	NA	NA
Carbon Disulfide	5.0	5 0	NA	NA	NA	NA
1,1-Dichloroethene	5.0	5.0	NA	NA	NA	NA
1,1-Dichloroethane	5.0	5.0	NA	NA	NA	NA
1,2-Dichloroethene (total)	5.0	5.0	NA	NA	NA	NA
Chloroform	5.0	5.0	NA	NA	NA	NA
1,2-Dichloroethane	5.0	5.0	NA	NA	NA	NA
2-Butanone	10	10	NA	NA	NA	NA
1,1,1-Trichloroethane	5.0	5.0	NA	NA	NA	NA
Carbon Tetrachloride	5 0	5 0	NA	NA	NA	NA
Vinyl Acetate	10	10	NA	NA	NA	NA
Bromodichloromethane	5.0	5.0	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5.0	5.0	NA	NA	NA	NA
1,2-Dichloropropane	5.0	5 0	NA	NA	NA	NA
trans-1,3-Dichloropropene	5.0	5.0	NA	NA	NA	NA
Trichloroethene	5.0	5.0	NA	NA	NA	NA
Dibromochloromethane	5.0	5.0	NA	NA	NA	NA
1,1,2-Trichloroethane	5.0	5.0	NA	NA	NA	NA

ERM-Midwest Sample Number			SD-63	SD-50	SD-51	SD-52
Remarks			Duplicate of SD-49			
Units			ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0	NA	NA	NA	NA
cis-1,3-Dichloropropene	5.0	5.0	NA	NA	NA	NA
Bromoform	5.0	5.0	NA	NA	NA	NA
2-Hexanone	10	10	NA	NA	NA	NA
4-Methyl-2-Pentanone	10	10	NA	NA	NA	NA
Tetrachloroethene	5.0	5.0	NA	NA	NA	NA
Toluene	5.0	5.0	NA	NA	NA	NA
Chlorobenzene	5.0	5.0	NA	NA	NA	NA
Ethylbenzene	5 0	5.0	NA	NA	NA	NA
Styrene	5.0	5.0	NA	NA	NA	NA
Xylene (total)	5.0	5.0	NA	NA	NA	NA
Quantitation Limit Multiplier			NA	NA	NA	NA
Date Sample Received by Laboratory			NA	NA	NA	NA
Date of Sample Analysis			NA	NA	NA	NA
Instrument Used for Analysis			NA	NA	NA	NA

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-63	SD-50	SD-51	SD-52
Remarks			Duplicate of SD-49			
Units			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				
Benzyl Alcohol	10	330				
1,2-Dichlorobenzene	10	330				
2-Methylphenol	10	330				
bis(2-Chloroisopropyl)Ether	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				
Benzoic Acid	50	1650				
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				

ERM-Midwest Sample Number			SD-63	SD-50	SD-51	SD-52
Remarks			Duplicate of SD-49			
Units			ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330				
2-Methylnaphthalene	10	330	46 J			
Hexachlorocyclopentadiene	10	330				
2,4,6-Trichlorophenol	10	330				
2,4,5-Trichlorophenol	50	1650				
2-Chloronaphthalene	10	330				
2-Nitroaniline	50	1650				
Dimethyl Phthalate	10	330				
Acenaphthylene	10	330				
3-Nitroaniline	50	1650				
Acenaphthene	10	330				
2,4-Dinitrophenol	50	1650				
4-Nitrophenol	50	1650				
Dibenzofuran	10	330				
2,4-Dinitrotoluene	10	330				
2,6-Dinitrotoluene	10	330				
Diethylphthalate	10	330				
4-Chlorophenyl-phenylether	10	330				
Fluorene	10	330				
4-Nitroaniline	50	1650				
4,6-Dinitro-2-Methylphenol	50	1650				
N-Nitrosodiphenylamine (1)	10	330				
4-Bromophenyl-phenylether	10	330				
Hexachlorobenzene	10	330				
Pentachlorophenol	10	330				

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-63	SD-50	SD-51	SD-52
Remarks			Duplicate of SD-49			
Units			ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330	55 J			
Anthracene	10	330				
Di-n-Butylphthalate	10	330				
Fluoranthene	10	330		73 J		
Pyrene	10	330		100 J		
Butylbenzylphthalate	10	330				
3,3'-Dichlorobenzidine	20	660				
Benzo(a)Anthracene	10	330		92 J		
Chrysene	10	330		130 J		
bis(2-Ethylhexyl)Phthalate	10	330		590 U		400 U
Di-n-Octyl Phthalate	10	330				
Benzo(b)Fluoranthene	10	330		320 J		
Benzo(k)Fluoranthene	10	330		320 J		
Benzo(a)Pyrene	10	330		160 J		
Indeno(1,2,3-cd)Pyrene	10	330		99 J		
Dibenzo(a,h)Anthracene	10	330				
Benzo(g,h,i)Perylene	10	330		130 J		
Diphenylsulfone	10	330				
3,4-Dichloronitrobenzene						
Quantitation Limit Multiplier			1.15	1.21	1.15	1.21
Date Sample Received by Laboratory			05/01/90	05/01/90	05/01/90	05/01/90
Date Sample Extracted			05/03/90	05/03/90	05/03/90	05/03/90
Date of Sample Analysis			05/30/90	05/30/90	05/29/90	05/29/90
Instrument Used for Analysis			GCMSS4	GCMSS4	GCMSS4	GCMSS4

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-63	SD-50	SD-51	SD-52
Remarks			Duplicate of SD-49			
Units			ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)				
alpha-BHC	0.05	8.0				
beta-BHC	0.05	8.0				
delta-BHC	0 05	8 0				
gamma-BHC (Lindane)	0.05	8 0				
Heptachlor	0.05	8.0				
Aldrin	0.05	8 0				
Heptachlor epoxide	0.05	8.0				
Endosulfan I	0.05	8.0				
Dieldrin	0.10	16.0				
4,4'-DDE	0.10	16.0				
Endrin	0.10	16.0				
Endosulfan II	0.10	16.0				
4,4'-DDD	0.10	16.0				
Endosulfan sulfate	0.10	16.0				
4,4'-DDT	0.10	16.0				
Methoxychlor	0.50	80				
Endrin ketone	0.10	16.0				
alpha-Chlordane	0.10	80				
gamma-Chlordane	0.10	80				
Toxaphene	1.0	160 0				

ERM-Midwest Sample Number			SD-63	SD-50	SD-51	SD-52
Remarks			Duplicate of SD-49			
Units			ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)				
Aroclor-1016	0.5	80				
Aroclor-1221	0.5	80				
Aroclor-1232	0.5	80				
Aroclor-1242	0.5	80				
Aroclor-1248	0.5	80				
Aroclor-1254	1 0	160				
Aroclor-1260	1.0	160				
Quantitation Limit Multiplier			5 75	6 13	6 00	6.00
Date Sample Received by Laboratory			05/01/90	05/01/90	05/01/90	05/01/90
Date Sample Extracted			05/04/90	05/04/90	05/04/90	05/04/90
Date of Sample Analysis			06/03/90	06/03/90	06/03/90	06/03/90
Instrument Used for Analysis			MS-15	MS-15	MS-15	MS-15

MFLBC SEDIMENT SAMPLES

ERM-Midwest Sample Number			SD-63	SD-50	SD-51	SD-52
Remarks			Duplicate of SD-49			
Units			ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Quantitation Limit	Reporting Limit (Sol)				
Kepone	0.132	68.0				
Photomirex	0.0474	20.4				
Mirex	0.00544	18.5				
Reporting Limit Multiplier			1.16	1.22	1.18	1.18
Date Received by Laboratory			05/01/90	05/01/90	05/01/90	05/01/90
Date Sample Extracted			05/02/90	05/02/90	05/02/90	05/02/90
Date of Sample Analysis			06/08/90	06/09/90	06/08/90	06/08/90
Instrument Used for Analysis			GCMSS2	GCMSS2	GCMSS2	GCMSS2

MFLBC SEDIMENT

SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Legend:

-	Compound was not detected.
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.
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.

MFLBC SEDIMENT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS

ERM-Midwest Sample Number	SD-01	SD-65	SD-02	SD-03	SD-04	SD-05	SD-05-204	SD-6A	SD-6A-109	SD-6B
Remarks		Duplicate of SD-01					Trip Blank		Field Blank	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/L	ug/kg
SEMIVOLATILE COMPONENTS						-	-	NA	NA	NA
Hexadecanoic Acid	50,000 J		31,000 J	150,000 J	33,000 J					
Benzeneacetic Acid				58,000 J						
Tetradecanoic Acid				61,000 J						
Pentadecanoic Acid				51,000 J						
Hexadecanoic Acid, Methyl Ester				47,000 J						
Heptadecenoic Acid				47,000 J						
Octadecanoic Acid				94,000 J						
9-Hexadecenoic Acid		33,000 J								
9-Octadecenoic Acid										
Phosphoric acid, triphenyl ester										
Alkane										
Alkene										
Phenol, 2,6-Bis(1,1-dimethylethyl)-										
Benzo(e)pyrene										
Vitamin E Acetate										
Alkanoic acid										
Tetradecanoic acid, hexadecyl										
Pentacosane isomer										
Cholesterol										
Octadecanoic acid, 2-methylpropyl										
Vitamin E (VAN)										

MFLBC SEDIMENT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS

ERM-Midwest Sample Number	SD-6C	SD-6D	SD-6CMS	SD-6CMSD	SD-6C-205	SD-07	SD-10	SD-11	SD-12	SD-70	SD-13
Remarks					Trip Blank					Dup. of SD-12	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS	-	NA	NA	NA	NA		-	NA	-	-	
Hexadecanoic Acid						27,000 J					200,000 J
Benzeneacetic Acid											
Tetradecanoic Acid											71,000 J
Pentadecanoic Acid											
Hexadecanoic Acid, Methyl Ester											
Heptadecenoic Acid											
Octadecanoic Acid											
9-Hexadecenoic Acid											150,000 J
9-Octadecenoic Acid											
Phosphoric acid, triphenyl ester											
Alkane											
Alkene											
Phenol, 2,6-Bis(1,1-dimethylethyl)-											
Benzo(e)pyrene											
Vitamin E Acetate											
Alkanoic acid											
Tetradecanoic acid, hexadecyl											
Pentacosane isomer											
Cholesterol											
Octadecanoic acid, 2-methylpropyl											
Vitamin E (VAN)											

MFLBC SEDIMENT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS

ERM-Midwest Sample Number	SD-14	SD-14-108	SD-15	SD-16	SD-69	SD-18	SD-18MS	SD-18MSD	SD-19	SD-20	SD-21
Remarks		Field Blank			Dup. of SD-17						
Units	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS	NA	NA		NA	-		-	-	NA		NA
Hexadecanoic Acid			400,000 J							730 J	
Benzeneacetic Acid											
Tetradecanoic Acid			120,000 J								
Pentadecanoic Acid											
Hexadecanoic Acid, Methyl Ester											
Heptadecenoic Acid											
Octadecanoic Acid			48,000 J								
9-Hexadecenoic Acid			180,000 J			45,000 J	NA	NA			
9-Octadecenoic Acid			100,000 J								
Phosphoric acid, triphenyl ester										570 J	
Alkane										2240(4) J	
Alkene											
Phenol, 2,6-Bis(1,1-dimethylethyl)-											
Benzo(e)pyrene											
Vitamin E Acetate											
Alkanoic acid											
Tetradecanoic acid, hexadecyl											
Pentacosane isomer											
Cholesterol											
Octadecanoic acid, 2-methylpropyl											
Vitamin E (VAN)											

MFLBC SEDIMENT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS

ERM-Midwest Sample Number	SD-22	SD-23	SD-24	SD-25	SD-28	SD-29	SD-30	SD-35	SD-37	SD-39
Remarks										Duplicate of SD-64
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS			NA	NA						
Hexadecanoic Acid	5600 J	2660(2) J			220 J	350 J	1840(2) J	570 J	1500 J	1100 J
Benzeneacetic Acid										
Tetradecanoic Acid										
Pentadecanoic Acid										
Hexadecanoic Acid, Methyl Ester										
Heptadecenoic Acid										
Octadecanoic Acid	480	3200 (3) J					310 J	200 J	480 J	400 J
9-Hexadecenoic Acid							870 J			
9-Octadecenoic Acid										
Phosphoric acid, triphenyl ester										
Alkane		3800(3) J			1130(4) J		480 J	1750(6) J		
Alkene		1440(2) J								
Phenol, 2,6-Bis(1,1-dimethylethyl)-							220 J			
Benzo(e)pyrene							260 J			
Vitamin E Acetate										
Alkanoic acid										
Tetradecanoic acid, hexadecyl										
Pentacosane isomer										
Cholesterol										
Octadecanoic acid, 2-methylpropyl										
Vitamin E (VAN)										

MFLBC SEDIMENT SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS

ERM-Midwest Sample Number	SD-64	SD-40	SD-42	SD-44	SD-45	SD-45-107	SD-46	SD-47	SD-48	SD-49	SD-63
Remarks	Duplicate of SD-39					Field Blank					Duplicate of SD-49
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS										-	-
Hexadecanoic Acid	1300 J	2400 J	2700 J	6500 J				530 J	460 J		
Benzeneacetic Acid											
Tetradecanoic Acid	230 J	280 J									
Pentadecanoic Acid											
Hexadecanoic Acid, Methyl Ester											
Heptadecenoic Acid											
Octadecanoic Acid	540 J										
9-Hexadecenoic Acid	1900 J		800 J					760 J	480 J		
9-Octadecenoic Acid											
Phosphoric acid, triphenyl ester											
Alkane			1100 J	1300 J	880 J						
Alkene											
Phenol, 2,6-Bis(1,1-dimethylethyl)-											
Benzo(e)pyrene		350 J									
Vitamin E Acetate											
Alkanoic acid			920 J	1100 J							
Tetradecanoic acid, hexadecyl			810 J								
Pentacosane isomer				1700 J							
Cholesterol			1500 J								
Octadecanoic acid, 2-methylpropyl						14 J					
Vitamin E (VAN)											

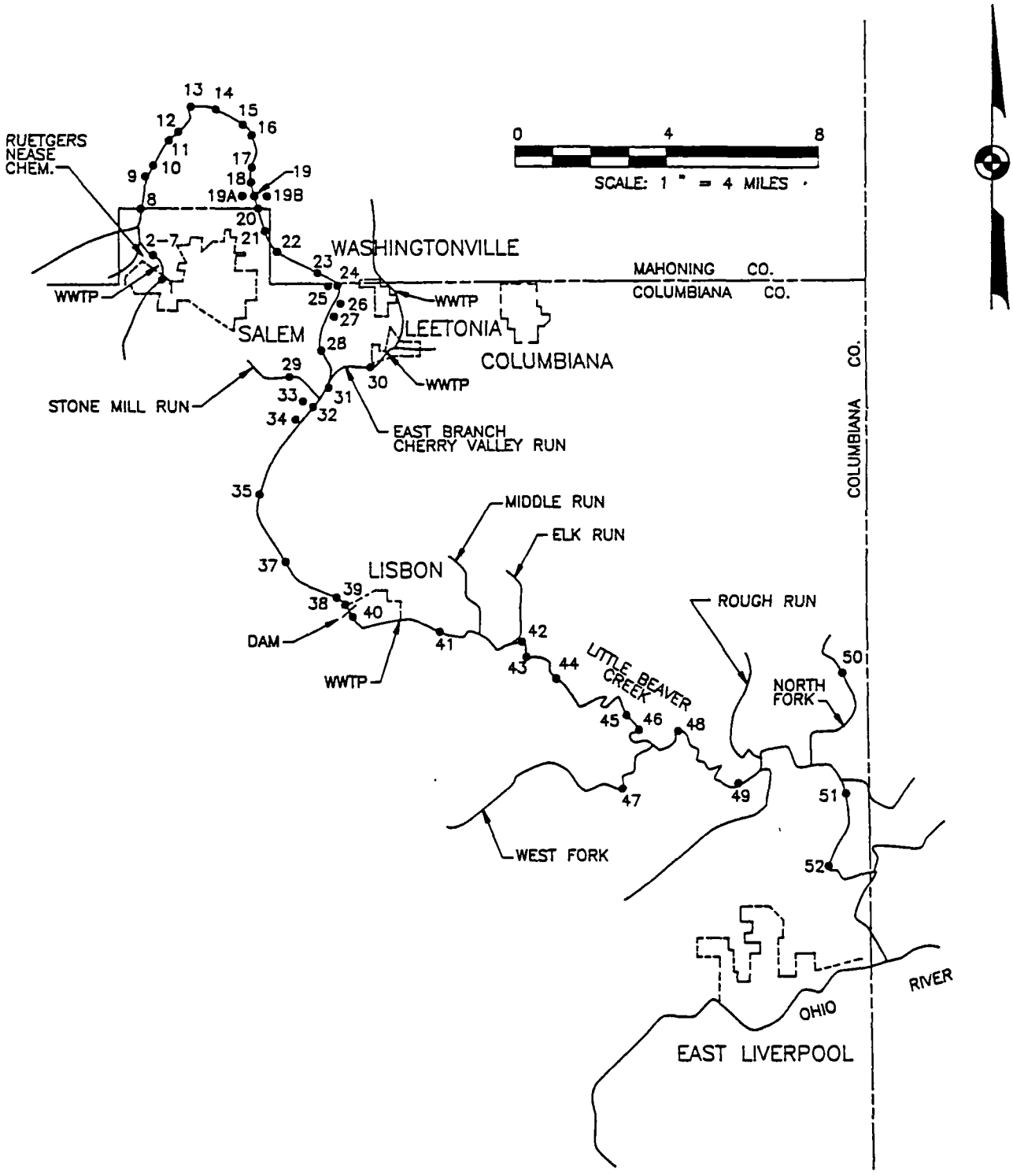
TENTATIVELY IDENTIFIED COMPOUNDS

ERM-Midwest Sample Number	SD-50	SD-51	SD-52
Remarks			
Units	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS	-	-	
Hexadecanoic Acid			2400 J
Benzeneacetic Acid			
Tetradecanoic Acid			
Pentadecanoic Acid			
Hexadecanoic Acid, Methyl Ester			
Heptadecenoic Acid			
Octadecanoic Acid			
9-Hexadecenoic Acid			1500 J
9-Octadecenoic Acid			
Phosphoric acid, triphenyl ester			
Alkane			
Alkene			
Phenol, 2,6-Bis(1,1-dimethylethyl)-			
Benzo(e)pyrene			
Vitamin E Acetate			
Alkanoic acid			
Tetradecanoic acid, hexadecyl			
Pentacosane isomer			
Cholesterol			
Octadecanoic acid, 2-methylpropyl			
Vitamin E (VAN)			

- DIPHENYL SULFONE
- METHOXYCHLOR
- MIREX, PHOTOMIREX AND KEPONE

Legend:

-	Compound was not detected.
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.
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.

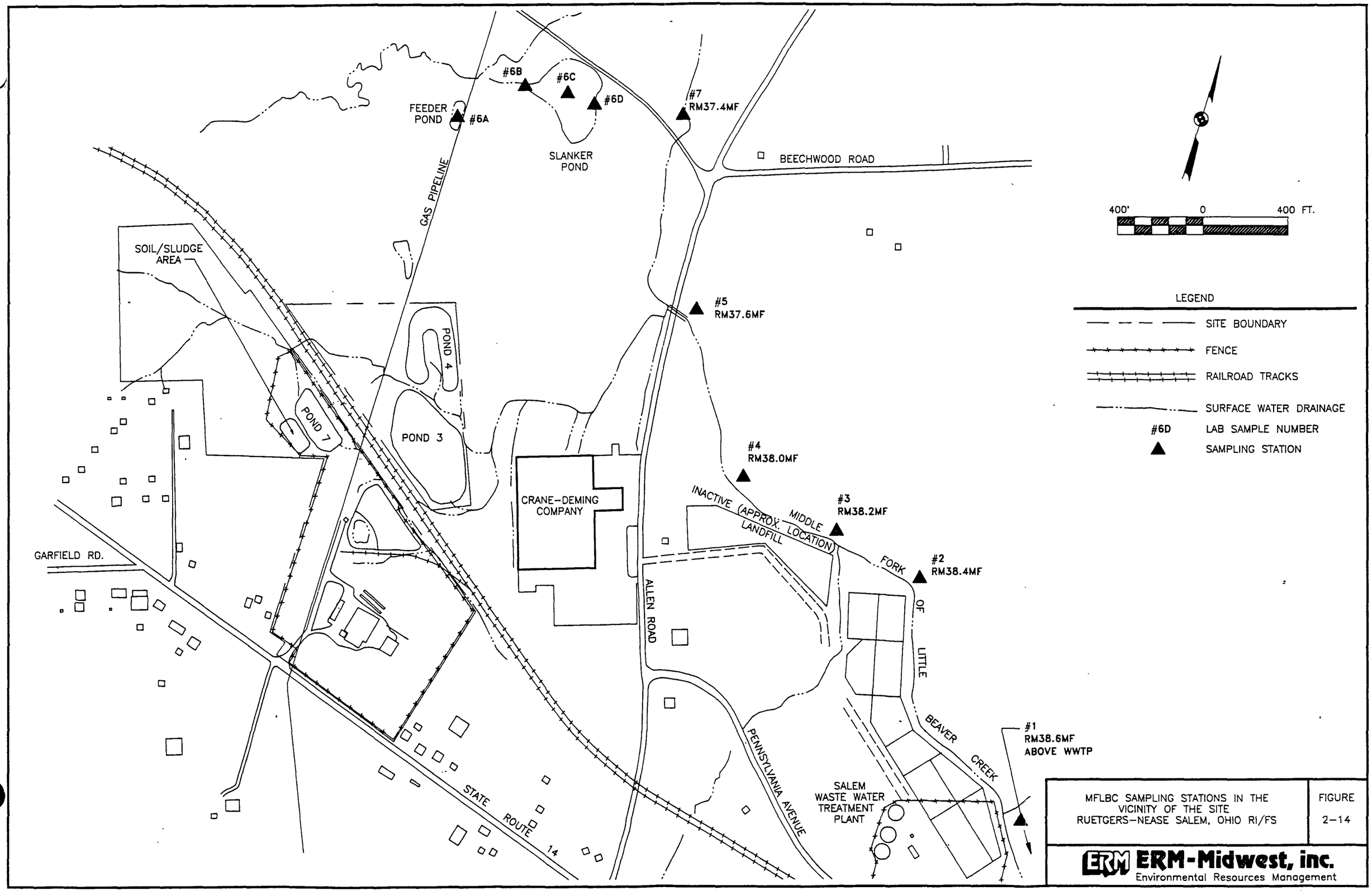


SCHEMATIC SAMPLING MAP FOR
MIDDLE FORK LITTLE BEAVER CREEK
RUETGERS–NEASE RI/FS
SALEM, OHIO

FIGURE
6–1

ERM-Midwest, inc.
Environmental Resources Management

PROJECT\2020107\07FG8–1.DWG



MFLBC SAMPLING STATIONS IN THE VICINITY OF THE SITE
RUETGERS-NEASE SALEM, OHIO RI/FS

FIGURE 2-14

ERM-Midwest, inc.
Environmental Resources Management

MFLBC FLOODPLAIN SAMPLES

ERM-Midwest Sample Number			SS-10-01	SS-71	SS-10-02	SS-10-03	SS-10-03MS	SS-10-03MSD	SS-10-04	SS-12-01	SS-12-02
Remarks				Duplicate of SS-10-01			Matrix Spike	Matrix Spike Dup.			
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Kepone	0.132	66.4					S	S			
Photomirex	0.0474	20	29.8 J		4.00 J	5.20 J	S	S	13.3 J	132 J	3.99 J
Mirex	0.00544	18.1	3040	1380J	656	321 J	S	S	896	4540	153
Report Limited Multiplier			*1.31/65.9*	*1.17*	*1.13/22.6*	*1.25*	*1.25*	*1.25*	*1.21/12.1*	*1.98/198*	*1.36*
Date Received by Laboratory			05/07/90	05/07/90	05/07/90	05/07/90	05/07/90	05/07/90	05/07/90	05/07/90	05/07/90
Date Sample Extracted			05/17/90	05/17/90	05/17/90	05/17/90	05/17/90	05/17/90	05/17/90	05/17/90	05/17/90
Date of Sample Analysis			07/11/90	07/13/90	07/13/90	07/12/90	07/12/90	07/12/90	07/12/90	06/29/90	06/29/90
Instrument Used for Analysis			GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2

MFLBC FLOODPLAIN SAMPLES

ERM-Midwest Sample Number			SS-10-01	SS-71	SS-10-02	SS-10-03	SS-10-03MS	SS-10-03MSD	SS-10-04	SS-12-01	SS-12-02
Remarks				Duplicate of SS-10-01			Matrix Spike	Matrix Spike Dup.			
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Diphenyl Sulfone	10	330				UL	S	S		UL	
Quantitation Limit Multiplier			1.34	1.22	1.11	1.26	1.16	1.27	1 25	1.99	1 40
Date Sample Received by Laboratory			05/07/90	05/07/90	05/07/90	05/07/90	05/07/90	05/07/90	05/07/90	05/07/90	05/07/90
Date Sample Extracted			05/14/90	05/14/90	05/14/90	05/14/90	05/14/90	05/14/90	05/14/90	06/13/90	05/14/90
Date of Sample Analysis			06/10/90	06/09/90	06/12/90	06/10/90	06/10/90	06/10/90	06/09/90	06/15/90	06/12/90
Instrument Used for Analysis			GCMSS4	GCMSS5	GCMSS5	GCMSS4	GCMSS4	GCMSS4	GCMSS5	GCMSS1	GCMSS4

MFLBC FLOODPLAIN SAMPLES

ERM-Midwest Sample Number			SS-10-01	SS-71	SS-10-02	SS-10-03	SS-10-03MS	SS-10-03MSD	SS-10-04	SS-12-01	SS-12-02
Remarks				Duplicate of SS-10-01			Matrix Spike	Matrix Spike Dup.			
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Methoxychlor	0.50	80									

MFLBC FLOODPLAIN SAMPLES

ERM-Midwest Sample Number			SS-12-03	SS-12-04	SS-12-04-111	SS-17-01	SD-17-02	SS-17-03	SS-17-04	SS-17-01-11D
Remarks					Field Blank					Field Blank
Units			ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)								
Kepone	0.132	66.4		R						
Photomirex	0.0474	20	20.6 J	33. 9 J				22.3 J		
Mirex	0.00544	18.1	1590	1370 J		16.4 J	62.3	1570	24.0	
Report Limited Multiplier			1.21/60.5	1.23/49.4	1.0	1.18	1.19	1.23/49.1	1.19	1.00
Date Received by Laboratory			05/07/90	05/07/90	05/07/90	05/07/90	05/07/90	05/07/90	05/07/90	05/05/90
Date Sample Extracted			05/17/90	07/03/90	05/10/90	05/17/90	05/17/90	05/17/90	05/17/90	05/15/90
Date of Sample Analysis			07/10/90	07/12/90	06/16/90	06/30/90	07/11/90	07/12/90	07/11/90	06/16/90
Instrument Used for Analysis			GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS3

MFLBC FLOODPLAIN SAMPLES

ERM-Midwest Sample Number			SS-12-03	SS-12-04	SS-12-04-111	SS-17-01	SD-17-02	SS-17-03	SS-17-04	SS-17-01-11D
Remarks					Field Blank					Field Blank
Units			ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)			Field Blank					
Diphenyl Sulfone	10	330				UL				
Quantitation Limit Multiplier			1.23	1.18	1.00	1.21	1.16	1.24	1.17	1.00
Date Sample Received by Laboratory			05/07/90	05/07/90	05/07/90	05/07/90	05/07/90	05/07/90	05/07/90	05/05/90
Date Sample Extracted			05/14/90	05/14/90	05/10/90	06/12/90	05/14/90	05/14/90	05/14/90	05/10/90
Date of Sample Analysis			06/10/90	06/10/90	06/09/90	06/15/90	06/09/90	06/09/90	06/09/90	06/05/90
Instrument Used for Analysis			GCMSS4	GCMSS4	GCMSS4	GCMSS1	GCMSS5	GCMSS5	GCMSS5	GCMSS4

MFLBC FLOODPLAIN SAMPLES

ERM-Midwest Sample Number			SS-12-03	SS-12-04	SS-12-04-111	SS-17-01	SD-17-02	SS-17-03	SS-17-04	SS-17-01-11D
Remarks					Field Blank					Field Blank
Units			ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)								
Methoxychlor	0.50	80								

MFLBC FLOODPLAIN SAMPLES

ERM-Midwest Sample Number			SS-19A-01	SS-19A-02	SS-68	SS-19A-03	SS-19A-04	SS-19B-01	SS-19B-02	SS-19B-03	SS-19B-04
Remarks					Duplicate of SS-19A-02						
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Kepone	0.132	66.4				UL					
Photomirex	0.0474	20				UL					
Mirex	0.00544	18.1				UL	25 4 J	52.0	23.9		
Report Limited Multiplier			1.38	1.49	1.50	1.98	1.54	1.25	1.24	1.27	1.33
Date Received by Laboratory			05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90
Date Sample Extracted			05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90
Date of Sample Analysis			06/27/90	06/29/90	06/28/90	06/29/90	06/29/90	06/27/90	06/27/90	06/27/90	06/27/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3

MFLBC FLOODPLAIN SAMPLES

ERM-Midwest Sample Number			SS-19A-01	SS-19A-02	SS-68	SS-19A-03	SS-19A-04	SS-19B-01	SS-19B-02	SS-19B-03	SS-19B-04
Remarks					Duplicate of SS-19A-02						
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Diphenyl Sulfone	10	330									
Quantitation Limit Multiplier			1.36	1.27	1.39	3.63	1.42	1.21	1.12	1.21	1.21
Date Sample Received by Laboratory			05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90
Date Sample Extracted			05/10/90	05/10/90	05/10/90	05/10/90	05/10/90	05/10/90	05/10/90	05/10/90	05/10/90
Date of Sample Analysis			06/04/90	06/05/90	06/04/90	06/05/90	06/05/90	06/04/90	06/04/90	06/04/90	06/04/90
Instrument Used for Analysis			GCMSS4	GCMSS4	GCMSS4	GCMSS4	GCMSS4	GCMSS4	GCMSS4	GCMSS4	GCMSS4

MFLBC FLOODPLAIN SAMPLES

ERM-Midwest Sample Number			SS-19A-01	SS-19A-02	SS-68	SS-19A-03	SS-19A-04	SS-19B-01	SS-19B-02	SS-19B-03	SS-19B-04
Remarks					Duplicate of SS-19A-02						
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Methoxychlor	0.50	80									

MFLBC FLOODPLAIN SAMPLES

ERM-Midwest Sample Number			SS-27-01	SS-27-02	SS-27-03	SS-27-04	SS-43-01	SS-67	SS-43-02	SS-43-03	SS-43-04	SS-43-02MS
Remarks								Duplicate of SS-43-01				Matrix Spike
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Kepone	0.132	66.4					UL		UL			S
Photomirex	0.0474	20	2.50 J		20.8 J		UL					S
Mirex	0.00544	18.1	32.6	609	715		UL			10.1 J		S
Report Limited Multiplier			1.29	6.71	5.64	1.32	1.26	1.20	1.22	1.29	1.24	1.32
Date Received by Laboratory			05/04/90	05/04/90	05/04/90	05/04/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90	05/05/90
Date Sample Extracted			05/12/90	05/12/90	05/12/90	05/12/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90
Date of Sample Analysis			06/11/90	06/15/90	06/15/90	06/11/90	06/28/90	06/29/90	06/28/90	06/28/90	06/28/90	06/29/90
Instrument Used for Analysis			GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3

MFLBC FLOODPLAIN SAMPLES

ERM-Midwest Sample Number			SS-27-01	SS-27-02	SS-27-03	SS-27-04	SS-43-01	SS-67	SS-43-02	SS-43-03	SS-43-04	SS-43-02MS
Remarks								Duplicate of SS-43-01				Matrix Spike
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										Matrix Spike
Diphenyl Sulfone	10	330							UL			S
Quantitation Limit Multiplier			1.30	1.36	1.12	1.32		1.18	1.21	1.15	1.18	1.15
Date Sample Received by Laboratory			05/04/90	05/04/90	05/04/90	05/04/90		05/05/90	05/05/90	05/05/90	05/05/90	05/05/90
Date Sample Extracted			05/09/90	05/09/90	05/09/90	05/09/90		05/10/90	05/10/90	05/10/90	05/10/90	05/10/90
Date of Sample Analysis			05/26/90	05/26/90	05/28/90	05/26/90		06/05/90	06/06/90	06/05/90	06/06/90	06/06/90
Instrument Used for Analysis			GCMSS1	GCMSS1	GCMSS1	GCMSS1		GCMSS4	GCMSS4	GCMSS4	GCMSS4	GCMSS4

MFLBC FLOODPLAIN SAMPLES

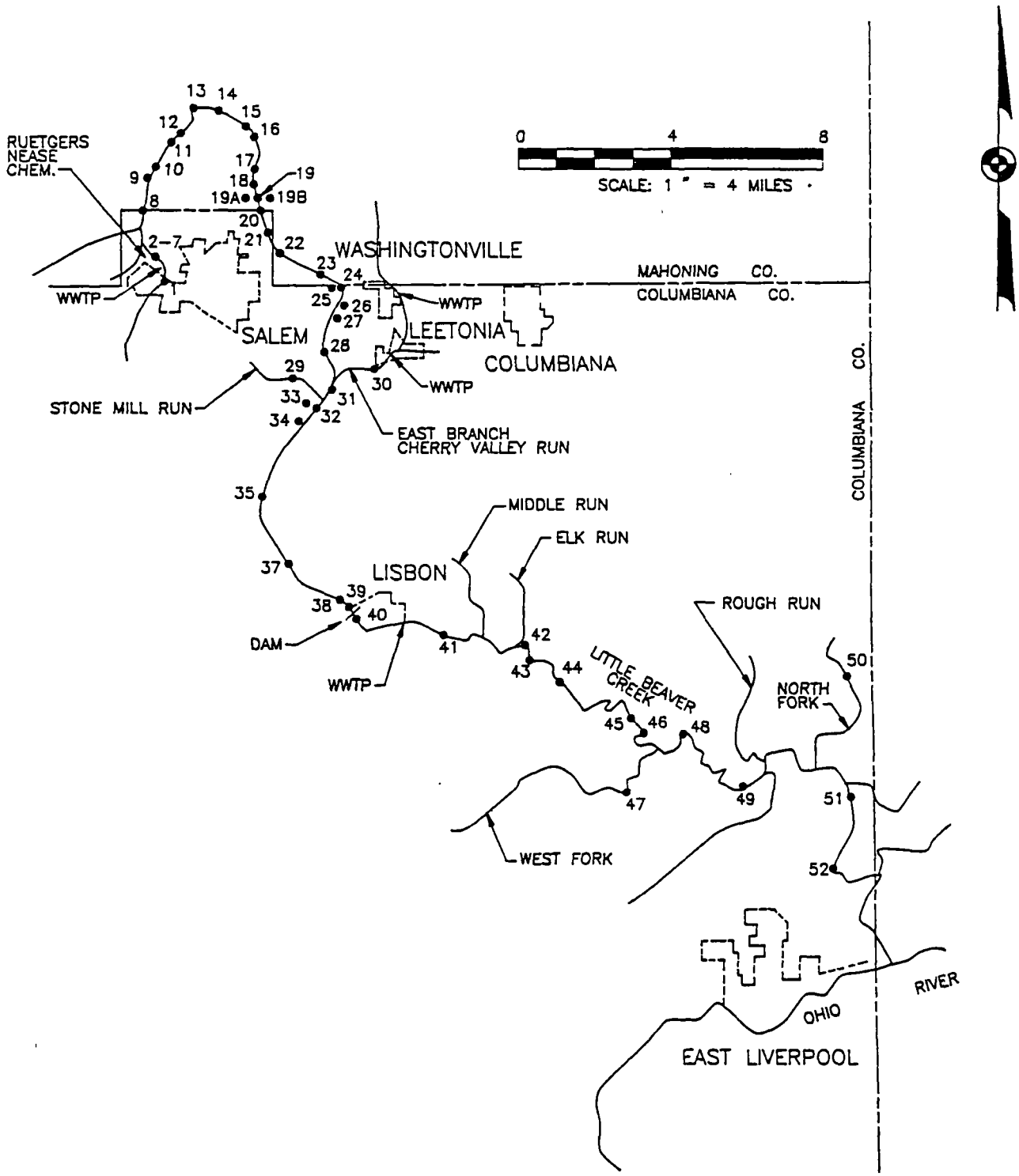
ERM-Midwest Sample Number			SS-27-01	SS-27-02	SS-27-03	SS-27-04	SS-43-01	SS-67	SS-43-02	SS-43-03	SS-43-04	SS-43-02MS
Remarks								Duplicate of SS-43-01				Matrix Spike
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Methoxychlor	0.50	80										

ERM-Midwest Sample Number			SS-43-02MSD
Remarks			Matrix Spike Dup.
Units			ug/kg
COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)	
Kepone	0.132	66.4	S
Photomirex	0.0474	20	S
Mirex	0.00544	18.1	S
Report Limited Multiplier			1.30
Date Received by Laboratory			05/05/90
Date Sample Extracted			05/15/90
Date of Sample Analysis			06/29/90
Instrument Used for Analysis			GCMSS3

ERM-Midwest Sample Number			SS-43-02MSD
Remarks			Matrix Spike Dup.
Units			ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)	Matrix Spike
Diphenyl Sulfone	10	330	S
Quantitation Limit Multiplier			1.18
Date Sample Received by Laboratory			05/05/90
Date Sample Extracted			05/10/90
Date of Sample Analysis			06/06/90
Instrument Used for Analysis			GCMSS4

MFLBC FLOODPLAIN SAMPLES

ERM-Midwest Sample Number			SS-43-02MSD
Remarks			Matrix Spike Dup.
Units			ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)	
Methoxychlor	0.50	80	



SCHEMATIC SAMPLING MAP FOR MIDDLE FORK LITTLE BEAVER CREEK RUETGERS–NEASE RI/FS SALEM, OHIO	FIGURE 6–1

ERM-Midwest, inc.
Environmental Resources Management

PROJECT\2020107\07FG6–1.DWG

MFLBC FISH TISSUE

- VOLATILE COMPOUNDS
- SEMIVOLATILE 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).
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.

MFLBC FISH TISSUE SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concentrations

ERM-Midwest Sample Number	FI-6C-LT	FI-6C-UT	FI-23-LT	FI-23-UT	FI-28-LT	FI-28-UT	FI-29-LT	FI-30-LT	FI-30-UT	FI-35-LT
Remarks			NA	0.72	5.4	0.43		2.4	0.39	0.74
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS										
DODECANOIC ACID							11,000 J			
TETRADECANOIC ACID	15,000 J	1500 J	26,000 J	5000 J			40,000 J			2400 J
ALKENOIC ACID	4400 J						125,000 (3) J			
HEXADECENOIC ACID, METHYL ESTER ISOMER	9900 J						110,000 J			
HEXADECANOIC ACID	67,000 J	57,000 J		46,000 J	260,000 J	3400 J	210,000 J	360,000 J		
HEPTADECENOIC ACID	2800 J	950 J	23,000 J		39,100 (2) J	6,000 (2) J	22,500 (2) J	68,000 J		
OCTADECANOIC ACID	14,000 J	23,000 J			48,000 J	27,000 J	37,000 J	95,000 J		
TETRADECANOIC ACID, METHYL-	4700 J									
PENTADECANOIC ACID, METHYL-	4600 J									
9-HEXADECENOIC ACID	31,000 J	6500 J								12,000 J
1H-INDOLE		6200 J								
PROPANOIC ACID, 2-METHYL-		820 J								
PENTADECANOIC ACID		1300 J			7400 J	2400 J		25,000 J		
HEPTADECANOIC ACID, 16-MEHYL			8000 J	30,000 J	10,000 J	3300 J			2000 J	
9-OCTADECANOIC ACID, 12-(ACETYLOXY)-										
9-HEXADECANOIC ACID										
9-HEXADECENOIC ACID, METHYL ESTER										
HEPTADECANOIC ACID										
HEXADECENOIC ACID, METHYL ETHYL-										
PENTADECANOIC ACID, 14-METHYL-			16,000 J	50,000 J					11,000 J	
-OCTADECADIENOIC ACID, METHYL-										
-OCTADECENOIC ACID, METHYL ETHYL-										
-OCTADECANOIC ACID, METHYL ETHYL-										

MFLBC FISH TISSUE SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concentrations

ERM-Midwest Sample Number	FI-6C-LT	FI-6C-UT	FI-23-LT	FI-23-UT	FI-28-LT	FI-28-UT	FI-29-LT	FI-30-LT	FI-30-UT	FI-35-LT
Remarks			NA	0.72	5.4	0.43		2.4	0.39	0.74
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
9-OCTADECENOIC ACID (Z)-, ETHER										
OCTADECANAL										
HEXADECANAL (ACN)										
HEXADECENOIC ACID										
OCTADECANOIC ACID, METHYL ESTER										
HEPTADECANOIC ACID, METHYL ETHYL-										
HEXADECENOIC ACID, METHYL ESTER										
11-EICOSENOIC ACID, METHYL ETHYL-										
HEXADECENOIC ACID ISOMER										20,300(2) J
HEXADECANOIC ACID ALKENE										
HEPTADECENOIC ACID ISOMER										2800 (2) J
OCTADECADIENOIC ACID										590 J
OCTADECENOIC ACID ISOMER										6900 (3) J
NITRILE										
HEXADECANOIC ACID,SUBSTITUTE										
ALDEHYDE										910 J
OCTADECENOIC ACID, METHYL ESTER										
HEPTADECANOIC ACID, METHYL-,										
9-HEXADECENOIC ACID, METHYL			27,000 J	24,000 J				23,000 J		
ALKENE			190,000 J		140,000 J					
TETRADECANOIC ACID, METHYLESTER				3100 J					810 J	
HEPTADECANE									870 J	

MFLBC FISH TISSUE SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated C

ERM-Midwest Sample Number	FI-35-UT	FI-37-UT	FI-37-LT	FI-62-LT	FI-62-UT	FI-39-LT	FI-39-UT	FI-40-LT	FI-40-UT	FI-42-LT
Remarks	0.18			Dup. of FI-37-LT	Dup. of FI-37-UT	4.7	0.25			
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS										
DODECANOIC ACID										
TETRADECANOIC ACID			16,000 J	61,000 J	5300 J				20,000 J	15,000 J
ALKENOIC ACID										
HEXADECENOIC ACID, METHYL ESTER ISOMER										
HEXADECANOIC ACID		120,000 J	190,000 J	370,000 J		79,000 J	93,000 J	46,000 J	130,000 J	180,000 J
HEPTADECENOIC ACID							1200 J			
OCTADECANOIC ACID		14,000 J					31,000 J		48,000 J	
TETRADECANOIC ACID, METHYL-										
PENTADECANOIC ACID, METHYL-										
9-HEXADECENOIC ACID	4200 J									
1H-INDOLE										
PROPANOIC ACID, 2-METHYL-										
PENTADECANOIC ACID	1700 J					5900 J	1400 J	16,000 J	7200 J	
HEPTADECANOIC ACID, 16-MEHYL										
9-OCTADECANOIC ACID, 12-(ACETYLOXY)-						9100 J				
9-HEXADECANOIC ACID										
9-HEXADECENOIC ACID, METHYL ESTER										
HEPTADECANOIC ACID						50,000 J				
HEXADECENOIC ACID, METHYL ETHYL-		4100 J	100,000 J	160,000 J	14,000 J			16,000 J		
PENTADECANOIC ACID, 14-METHYL-		6900 J								
-OCTADECADIENOIC ACID, METHYL-			16,000 J				6500 J			
-OCTADECENOIC ACID, METHYL ETHYL-			54,000 J							
-OCTADECANOIC ACID, METHYL ETHYL-			38,000 J							

MFLBC FISH TISSUE SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated C

ERM-Midwest Sample Number	FI-35-UT	FI-37-UT	FI-37-LT	FI-62-LT	FI-62-UT	FI-39-LT	FI-39-UT	FI-40-LT	FI-40-UT	FI-42-LT
Remarks	0.18			Dup. of FI-37-LT	Dup. of FI-37-UT	4.7	0.25			
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
9-OCTADECENOIC ACID (Z)-, ETHER								16,000 J		
OCTADECANAL										
HEXADECANAL (ACN)										
HEXADECENOIC ACID										
OCTADECANOIC ACID, METHYL ESTER										
HEPTADECANOIC ACID, METHYL ETHYL-										
HEXADECENOIC ACID, METHYL ESTER						7800 J	5500 J			
11-EICOSENOIC ACID, METHYL ETHYL-										
HEXADECENOIC ACID ISOMER	56,900(2) J									
HEXADECANOIC ACID ALKENE										
HEPTADECENOIC ACID ISOMER	2000 J									
OCTADECADIENOIC ACID	1700 J									
OCTADECENOIC ACID ISOMER	24,100(2) J									
NITRILE	2000 J									
HEXADECANOIC ACID,SUBSTITUTE										
ALDEHYDE										
OCTADECENOIC ACID, METHYL ESTER							16,000 J			
HEPTADECANOIC ACID, METHYL-,							10,000 J			
9-HEXADECENOIC ACID, METHYL										
ALKENE										
TETRADECANOIC ACID, METHYLESTER										
HEPTADECANE										

MFLBC FISH TISSUE SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated C

ERM-Midwest Sample Number	FI-42-UT	FI-44-LT	FI-44-UT	FI-45-LT	FI-45-UT	FI-47-LT	FI-47-UT	FI-48-LT	FI-48-UT	FI-49-LT	FI-49-UT
Remarks											0.14
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS											
DODECANOIC ACID		9400 J		7600 J							
TETRADECANOIC ACID		26,000 J	2800 J	32,000 J		25,000 J		160,000 J		41,000 J	
ALKENOIC ACID					8700 J						
HEXADECENOIC ACID, METHYL ESTER ISOMER											
HEXADECANOIC ACID	40,000 J	200,000 J	110,000 J	300,000 J		320,000 J	52,000 J		120,000 J	460,000 J	
HEPTADECENOIC ACID											
OCTADECANOIC ACID	5200 J						4900 J	85,000 J	24,000 J		
TETRADECANOIC ACID, METHYL-											
PENTADECANOIC ACID, METHYL-											
9-HEXADECENOIC ACID		120,000 J		200,000 J							
1H-INDOLE											
PROPANOIC ACID, 2-METHYL-											
PENTADECANOIC ACID		5000 J		6000 J							
HEPTADECANOIC ACID, 16-MEHYL							3100 J				
9-OCTADECANOIC ACID, 12-(ACETYLOXY)-							5600 J			28,000 J	
9-HEXADECANOIC ACID						160,000 J				580,000 J	
9-HEXADECENOIC ACID, METHYL ESTER											
HEPTADECANOIC ACID											
HEXADECENOIC ACID, METHYL ETHYL-			9800 J	28,000 J							
PENTADECANOIC ACID, 14-METHYL-											
-OCTADECADIENOIC ACID, METHYL-											
-OCTADECENOIC ACID, METHYL ETHYL-											
-OCTADECANOIC ACID, METHYL ETHYL-											

MFLBC FISH TISSUE SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated C

ERM-Midwest Sample Number	FI-42-UT	FI-44-LT	FI-44-UT	FI-45-LT	FI-45-UT	FI-47-LT	FI-47-UT	FI-48-LT	FI-48-UT	FI-49-LT	FI-49-UT
Remarks											0.14
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
9-OCTADECENOIC ACID (Z)-, ETHER											
OCTADECANAL		4500 J	4400 J								
HEXADECANAL (ACN)				13,000 J							
HEXADECENOIC ACID					45,000 J						
OCTADECANOIC ACID, METHYL ESTER					5900 J						
HEPTADECANOIC ACID, METHYL ETHYL-					4200 J						
HEXADECENOIC ACID, METHYL ESTER											
11-EICOSENOIC ACID, METHYL ETHYL-											
HEXADECENOIC ACID ISOMER											
HEXADECANOIC ACID ALKENE											
HEPTADECENOIC ACID ISOMER											
OCTADECADIENOIC ACID											
OCTADECENOIC ACID ISOMER											
NITRILE											
HEXADECANOIC ACID,SUBSTITUTE											14,000 J
ALDEHYDE											10,000 J
OCTADECENOIC ACID, METHYL ESTER											
HEPTADECANOIC ACID, METHYL-,											
9-HEXADECENOIC ACID, METHYL											
ALKENE											
TETRADECANOIC ACID, METHYLESTER											
HEPTADECANE											

MFLBC FISH TISSUE SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated C

ERM-Midwest Sample Number	FI-50-LT	FI-50-UT	FI-51-LT	FI-51-UT	FI-52-LT	FI-52-UT	FI-60-LT	FI-60-UT
Remarks	2.1							Dup. of FI-35-UT
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPONENTS								0.03
DODECANOIC ACID								
TETRADECANOIC ACID			34,000 J		35,000 J			6000 J
ALKENOIC ACID								1400 J
HEXADECENOIC ACID, METHYL ESTER ISOMER								
HEXADECANOIC ACID		150,000 J	340,000 J	120,000 J	120,000 J		480,000 J	79,000 J
HEPTADECENOIC ACID								
OCTADECANOIC ACID		23,000 J	29,000 J	9500 J		10,000 J		
TETRADECANOIC ACID, METHYL-								
PENTADECANOIC ACID, METHYL-								
9-HEXADECENOIC ACID			390,000 J	55,000 J		24,000 J	770,000 J	850 J
1H-INDOLE								
PROPANOIC ACID, 2-METHYL-								
PENTADECANOIC ACID								2100 J
HEPTADECANOIC ACID, 16-MEHYL								
9-OCTADECANOIC ACID, 12-(ACETYLOXY)-								
9-HEXADECANOIC ACID								
9-HEXADECENOIC ACID, METHYL ESTER							110,000 J	
HEPTADECANOIC ACID			15,000 J					
HEXADECENOIC ACID, METHYL ETHYL-								
PENTADECANOIC ACID, 14-METHYL-								
-OCTADECADIENOIC ACID, METHYL-								
-OCTADECENOIC ACID, METHYL ETHYL-								
-OCTADECANOIC ACID, METHYL ETHYL-								

MFLBC FISH TISSUE SAMPLES

TENTATIVELY IDENTIFIED COMPOUNDS - Estimated C

ERM-Midwest Sample Number	FI-50-LT	FI-50-UT	FI-51-LT	FI-51-UT	FI-52-LT	FI-52-UT	FI-60-LT	FI-60-UT
Remarks	2.1							Dup. of FI-35-UT
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
9-OCTADECENOIC ACID (Z)-, ETHER								
OCTADECANAL								
HEXADECANAL (ACN)								
HEXADECENOIC ACID								
OCTADECANOIC ACID, METHYL ESTER								
HEPTADECANOIC ACID, METHYL ETHYL-								
HEXADECENOIC ACID, METHYL ESTER								6000 J
11-EICOSENOIC ACID, METHYL ETHYL-								3000 J
HEXADECENOIC ACID ISOMER								3370 (2) J
HEXADECANOIC ACID ALKENE								250 J
HEPTADECENOIC ACID ISOMER								
OCTADECADIENOIC ACID								
OCTADECENOIC ACID ISOMER								
NITRILE								
HEXADECANOIC ACID,SUBSTITUTE	29,000 J							
ALDEHYDE	12,000 J							
OCTADECENOIC ACID, METHYL ESTER								
HEPTADECANOIC ACID, METHYL-,								
9-HEXADECENOIC ACID, METHYL								
ALKENE								
TETRADECANOIC ACID, METHYLESTER								
HEPTADECANE								

MFLBC FISH TISSUE

SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Legend:

-	Compound was not detected.
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.
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.

#6B
#6C
#6D
FEEDER POND
#6A
SLANKER POND
#7
RM37.4MF
BEECHWOOD ROAD
GAS PIPELINE
SOIL/SLUDGE AREA
POND 4
POND 7
POND 3
#5
RM37.6MF
#4
RM38.0MF
CRANE–DEMING COMPANY
INACTIVE (APPROX. LOCATION) MIDDLE LANDFILL
#3
RM38.2MF
FORK
#2
RM38.4MF
GARFIELD RD.
ALLEN ROAD
LITTLE BEAVER CREEK
#1
RM38.6MF
ABOVE WWTP
PENNSYLVANIA AVENUE
STATE ROUTE 14
SALEM WASTE WATER TREATMENT PLANT

400' 0 400 FT.

LEGEND

- SITE BOUNDARY
- FENCE
- RAILROAD TRACKS
- SURFACE WATER DRAINAGE
- #6D LAB SAMPLE NUMBER
- ▲ SAMPLING STATION

MFLBC SAMPLING STATIONS IN THE VICINITY OF THE SITE
RUETGERS–NEASE SALEM, OHIO RI/FS

FIGURE 2–14

ERM ERM-Midwest, inc.
Environmental Resources Management

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-01-LT	FI-05-LT	FI-6C-LT	FI-6C-UT	FI-64-UT	FI-6C-UTMS	FI-6C-UTMSD	FI-07-LT	FI-63-LT
Remarks							Dup of 6C-UT				Dup of 7-LT
Percent Lipids			4.3	3.7	0.51	0.098	0.098	0.098	0.098	3.3	2.8
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Chloromethane	10	10	UL		UL						
Bromomethane	10	10	UL		UL						
Vinyl Chloride	10	10	UL		UL						
Chloroethane	10	10	UL		UL						
Methylene Chloride	5.0	5.0	42 U	55 U	55 U	34 U	19 J	74 U	79 U	69 U	38 U
Acetone	10	10	250 U	420	260 J	110 U	120	96 U	160 U	700 J	250 J
Carbon Disulfide	5.0	5.0	UL		UL		42			11 J	
1,1-Dichloroethene	5.0	5.0	UL		UL			S	S		
1,1-Dichloroethane	5.0	5.0	UL		UL						
1,2-Dichloroethene (total)	5.0	5.0	UL		UL						
Chloroform	5.0	5.0	UL		UL						
1,2-Dichloroethane	5.0	5.0	UL		UL						
2-Butanone	10	10	10 U	9.0 J	15 U	33 U				15 J	10 J
1,1,1-Trichloroethane	5.0	5.0	UL		UL						
Carbon Tetrachloride	5.0	5.0	UL		UL						
Vinyl Acetate	10	10			UL						
Bromodichloromethane	5.0	5.0			UL						
1,1,2,2-Tetrachloroethane	5.0	5.0			UL						
1,2-Dichloropropane	5.0	5.0			UL						
trans-1,3-Dichloropropene	5.0	5.0			UL						
Trichloroethene	5.0	5 0			UL			S	S		
Dibromochloromethane	5.0	5.0			UL						
1,1,2-Trichloroethane	5.0	5.0			UL						

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-01-LT	FI-05-LT	FI-6C-LT	FI-6C-UT	FI-64-UT	FI-6C-UTMS	FI-6C-UTMSD	FI-07-LT	FI-63-LT
Remarks							Dup of 6C-UT				Dup of 7-LT
Percent Lipids			4.3	3.7	0.51	0.098	0.098	0.098	0.098	3.3	2.8
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0			2.0 J			S	S		
cis-1,3-Dichloropropene	5.0	5.0			UL						
Bromoform	5.0	5.0			UL						
2-Hexanone	10	10			10 U						
4-Methyl-2-Pentanone	10	10	UL		UL						
Tetrachloroethene	5.0	5.0	UL		UL					7.0 J	
Toluene	5.0	5.0	24 U	24 U	16 J	16 U		S	S	24 U	21 U
Chlorobenzene	5.0	5.0	UL		UL			S	S		
Ethylbenzene	5.0	5.0	UL		4.0 J					5.0 J	
Styrene	5.0	5.0	UL		UL						
Xylene (total)	5.0	5.0	UL		20 J						

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-01-LT	FI-05-LT	FI-6C-LT	FI-6C-UT	FI-64-UT	FI-6C-UTMS	FI-6C-UTMSD	FI-07-LT	FI-63-LT
Remarks							Dup of 6C-UT				Dup of 7-LT
Percent Lipids			4.3	3.7	0.51	0.098	0.098	0.098	0.098	3.3	2.8
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Phenol	10	330	R	R		380 J	R	S	S	NA	R
bis(2-Chloroethyl)Ether	10	330		R						NA	R
2-Chlorophenol	10	330	R	R		R	R	S	S	NA	R
1,3-Dichlorobenzene	10	330		R						NA	R
1,4-Dichlorobenzene	10	330		R		UL		S	S	NA	R
Benzyl Alcohol	10	330		R						NA	R
1,2-Dichlorobenzene	10	330		R						NA	R
2-Methylphenol	10	330	R	R			R			NA	R
bis(2-Chloroisopropyl)Ether	10	330		R						NA	R
4-Methylphenol	10	330	R	R			R			NA	R
N-Nitroso-Di-n-Propylamine	10	330		R		UL		S	S	NA	R
Hexachloroethane	10	330		R						NA	R
Nitrobenzene	10	330		R						NA	R
Isophorone	10	330		R						NA	R
2-Nitrophenol	10	330	R	R			R			NA	R
2,4-Dimethylphenol	10	330	R	R			R			NA	R
Benzoic Acid	50	1650	R	R			R			NA	R
bis(2-Chloroethoxy)Methane	10	330		R						NA	R
2,4-Dichlorophenol	10	330	R	R			R			NA	R
1,2,4-Trichlorobenzene	10	330		R		UL		S	S	NA	R
Naphthalene	10	330		R						NA	R
4-Chloroaniline	10	330		R						NA	R
Hexachlorobutadiene	10	330		R						NA	R

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-01-LT	FI-05-LT	FI-6C-LT	FI-6C-UT	FI-64-UT	FI-6C-UTMS	FI-6C-UTMSD	FI-07-LT	FI-63-LT
Remarks							Dup of 6C-UT				Dup of 7-LT
Percent Lipids			4.3	3.7	0.51	0.098	0.098	0.098	0.098	3.3	2.8
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330	R	R		UL	R	S	S	NA	R
2-Methylnaphthalene	10	330		R						NA	R
Hexachlorocyclopentadiene	10	330		R						NA	R
2,4,6-Trichlorophenol	10	330	R	R			R			NA	R
2,4,5-Trichlorophenol	50	1650	R	R			R			NA	R
2-Chloronaphthalene	10	330		R						NA	R
2-Nitroaniline	50	1650		R						NA	R
Dimethyl Phthalate	10	330		R		210 J				NA	R
Acenaphthylene	10	330		R						NA	R
3-Nitroaniline	50	1650		R						NA	R
Acenaphthene	10	330		R				S	S	NA	R
2,4-Dinitrophenol	50	1650	R	R			R			NA	R
4-Nitrophenol	50	1650	R	R		R	R	S	S	NA	R
Dibenzofuran	10	330		R						NA	R
2,4-Dinitrotoluene	10	330		R				S	S	NA	R
2,6-Dinitrotoluene	10	330		R						NA	R
Diethylphthalate	10	330	3100 U	R	3900 U	2000 U		2000 U	2100 U	NA	R
4-Chlorophenyl-phenylether	10	330		R						NA	R
Fluorene	10	330		R						NA	R
4-Nitroaniline	50	1650		R						NA	R
4,6-Dinitro-2-Methylphenol	50	1650	R	R			R			NA	R
N-Nitrosodiphenylamine (1)	10	330		R	420 J	230 J			230 J	NA	R
4-Bromophenyl-phenylether	10	330		R						NA	R
Hexachlorobenzene	10	330		R						NA	R

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-01-LT	FI-05-LT	FI-6C-LT	FI-6C-UT	FI-64-UT	FI-6C-UTMS	FI-6C-UTMSD	FI-07-LT	FI-63-LT
Remarks							Dup of 6C-UT				Dup of 7-LT
Percent Lipids			4.3	3.7	0.51	0.098	0.098	0.098	0.098	3.3	2.8
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Pentachlorophenol	10	330	R	R			R	S	S	NA	R
Phenanthrene	10	330		R						NA	R
Anthracene	10	330		R						NA	R
Di-n-Butylphthalate	10	330		R					220 J	NA	R
Fluoranthene	10	330		R						NA	R
Pyrene	10	330		R						NA	R
Butylbenzylphthalate	10	330		R						NA	R
3,3'-Dichlorobenzidine	20	660		R						NA	R
Benzo(a)Anthracene	10	330		R						NA	R
Chrysene	10	330		R						NA	R
bis(2-Ethylhexyl)Phthalate	10	330		R			390 U			NA	410 U
Di-n-Octyl Phthalate	10	330		R		UL				NA	R
Benzo(b)Fluoranthene	10	330		R		UL				NA	R
Benzo(k)Fluoranthene	10	330		R		UL				NA	R
Benzo(a)Pyrene	10	330		R		UL				NA	R
Indeno(1,2,3-cd)Pyrene	10	330		R		UL				NA	R
Dibenzo(a,h)Anthracene	10	330		R		UL				NA	R
Benzo(g,h,i)Perylene	10	330		R		UL				NA	R
Diphenylsulfone	10	330		R		UL		S	S	NA	R
3,4-Dichloronitrobenzene	10	330	NA	NA	NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier			9.4	1.18	11.8	6.1	1.18	6.1	6.4	NA	1.24
Date Sample Received by Laboratory			05/18/90	05/19/90	05/18/90	05/18/90	05/22/90	05/18/90	05/18/90	NA	05/19/90
Date Sample Extracted			08/07/90	05/29/90	07/14/90	07/14/90	05/31/90	07/14/90	07/14/90	NA	05/29/90
Date of Sample Analysis			08/22/90	07/07/90	08/10/90	08/10/90	07/08/90	08/10/90	08/10/90	NA	07/07/90

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-01-LT	FI-05-LT	FI-6C-LT	FI-6C-UT	FI-64-UT	FI-6C-UTMS	FI-6C-UTMSD	FI-07-LT	FI-63-LT
Remarks							Dup of 6C-UT				Dup of 7-LT
Percent Lipids			4.3	3.7	0.51	0.098	0.098	0.098	0.098	3.3	2.8
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
alpha-BHC	0.05	8.0	UN			UN	UN		UL		
beta-BHC	0.05	8.0	UN			UN	UN		UL		
delta-BHC	0.05	8.0	UN			UN	UN		UL		
Lindane	0.05	8.0	UN		UL	UN	UN	S	S		
Heptachlor	0.05	8.0	UN			UN	UN	S	S		
Aldrin	0.05	8.0	UN			UN	UN	S	S	8.2 J	
Heptachlor epoxide	0.05	8.0	UN			UN	UN		UL		
Endosulfan I	0.05	8.0	UN			UN	UN		UL	30 J	
Dieldrin	0.10	16.0	UN			UN	UN	S	S		
4,4'-DDE	0.10	16.0	UN			UN	UN		UL		
Endrin	0.10	16.0	UN	UL	UL	UN	UN	S	S	UL	UL
Endosulfan II	0.10	16.0	UN			UN	UN		UL		
4,4'-DDD	0.10	16.0	UN			UN	UN		UL		
Endosulfan sulfate	0.10	16.0	UN			UN	UN		UL		
4,4'-DDT	0.10	16.0	UN			UN	UN	S	S		
Methoxychlor	0.50	80	UN			UN	UN		UL		
Endrin ketone	0.10	16.0	UN			UN	UN		UL		
alpha-Chlordane	0.10	80	UN			UN	UN		UL		
gamma-Chlordane	0.10	80	UN			UN	UN		UL		
Toxaphene	1.0	160	UN			UN	UN		UL		

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-01-LT	FI-05-LT	FI-6C-LT	FI-6C-UT	FI-64-UT	FI-6C-UTMS	FI-6C-UTMSD	FI-07-LT	FI-63-LT
Remarks							Dup of 6C-UT				Dup of 7-LT
Percent Lipids			4.3	3.7	0.51	0.098	0.098	0.098	0.098	3.3	2.8
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Aroclor-1016	0.5	80	UN			UN	UN		UL		
Aroclor-1221	0.5	80	UN			UN	UN		UL		
Aroclor-1232	0.5	80	UN			UN	UN		UL		
Aroclor-1242	0.5	80	UN			UN	UN		UL		
Aroclor-1248	0.5	80	UN			UN	UN		UL		
Aroclor-1254	1.0	160	UN			UN	UN		UL		
Aroclor-1260	1.0	160	UN			UN	UN		UL		
Quantitation Limit Multiplier			UN	10.0	0.96	UN	UN	0.88	0.90	0.99	9.75
Date Sample Received			UN	05/19/90	05/18/90	UN	UN	05/18/90	05/18/90	05/19/90	05/19/90
Date Sample Extracted			UN	01/18/91	01/28/91	UN	UN	01/28/91	01/28/91	01/18/91	01/18/91
Date of Sample Analysis			UN	02/03/91	02/05/91	UN	UN	02/05/91	02/05/91	02/03/91	02/03/91

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-01-LT	FI-05-LT	FI-6C-LT	FI-6C-UT	FI-64-UT	FI-6C-UTMS	FI-6C-UTMSD	FI-07-LT	FI-63-LT
Remarks							Dup of 6C-UT				Dup of 7-LT
Percent Lipids			4.3	3.7	0.51	0.098	0.098	0.098	0.098	3 3	2.8
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit(Sol)									
Kepone	0.132	194						UN	UN		
Photomirex	0.0474	15.9		3.94 J	6.73 J	5.00 J	5.32 J	UN	UN	7.69 J	7.78 J
Mirex	0.00544	25.2	39.8 J	416	101	44.6 J	67.6 J	UN	UN	175 J	350 J
Reporting Limit Multiplier			0.94	10.2	0 96	0 98	0 99	UN	UN	10.1	9.40
Date Received by Laboratory			05/18/90	05/19/90	05/18/90	05/18/90	05/22/90	UN	UN	05/19/90	05/19/90
Date Sample Extracted			05/26/90	08/07/90	05/26/90	05/26/90	05/31/90	UN	UN	08/07/90	08/07/90
Date of Sample Analysis			07/05/90	09/15/90	07/05/90	07/05/90	07/07/90	UN	UN	09/15/90	09/25/90
Instrument Used for Analysis			GCMSS2	GCMSS3	GCMSS2	GCMSS2	GCMSS2	UN	UN	GCMSS3	GCMSS3

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-07F-LT	FI-08-LT	FI-08-LTMS	FI-08-LTMSD	FI-08-UT	FI-08-200	FI-09-LT	FI-09-UT	FI-13-LT	FI-13-UT
Remarks								Trip Blank				
Percent Lipids			1.3	9.1	9.1	9.1	NA		NA	1.2	4.8	0.48
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Chloromethane	10	10	NA						NA	NA	NA	NA
Bromomethane	10	10	NA						NA	NA	NA	NA
Vinyl Chloride	10	10	NA						NA	NA	NA	NA
Chloroethane	10	10	NA						NA	NA	NA	NA
Methylene Chloride	5.0	5.0	NA	41 U	470 U	440 U	310		NA	NA	NA	NA
Acetone	10	10	NA	210 U	260	310	820 J	2.0 J	NA	NA	NA	NA
Carbon Disulfide	5.0	5.0	NA						NA	NA	NA	NA
1,1-Dichloroethene	5.0	5.0	NA		S	S			NA	NA	NA	NA
1,1-Dichloroethane	5.0	5.0	NA						NA	NA	NA	NA
1,2-Dichloroethene (total)	5.0	5.0	NA						NA	NA	NA	NA
Chloroform	5.0	5.0	NA						NA	NA	NA	NA
1,2-Dichloroethane	5.0	5.0	NA						NA	NA	NA	NA
2-Butanone	10	10	NA		20 J		57		NA	NA	NA	NA
1,1,1-Trichloroethane	5.0	5.0	NA						NA	NA	NA	NA
Carbon Tetrachloride	5.0	5.0	NA						NA	NA	NA	NA
Vinyl Acetate	10	10	NA		UL				NA	NA	NA	NA
Bromodichloromethane	5.0	5.0	NA		UL				NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5.0	5.0	NA		UL				NA	NA	NA	NA
1,2-Dichloropropane	5.0	5.0	NA		UL				NA	NA	NA	NA
trans-1,3-Dichloropropene	5.0	5.0	NA		UL				NA	NA	NA	NA
Trichloroethene	5.0	5.0	NA		S	S			NA	NA	NA	NA
Dibromochloromethane	5.0	5.0	NA		UL				NA	NA	NA	NA
1,1,2-Trichloroethane	5.0	5.0	NA		UL				NA	NA	NA	NA

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-07F-LT	FI-08-LT	FI-08-LTMS	FI-08-LTMSD	FI-08-UT	FI-08-200	FI-09-LT	FI-09-UT	FI-13-LT	FI-13-UT
Remarks								Trip Blank				
Percent Lipids			1.3	9.1	9.1	9.1	NA		NA	1.2	4.8	0.48
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0	NA		S	S			NA	NA	NA	NA
cis-1,3-Dichloropropene	5.0	5.0	NA		UL				NA	NA	NA	NA
Bromoform	5.0	5.0	NA		UL				NA	NA	NA	NA
2-Hexanone	10	10	NA	34 J	170 J		10 J		NA	NA	NA	NA
4-Methyl-2-Pentanone	10	10	NA		UL				NA	NA	NA	NA
Tetrachloroethene	5.0	5.0	NA		6.0 J				NA	NA	NA	NA
Toluene	5.0	5.0	NA		S	S	11 J		NA	NA	NA	NA
Chlorobenzene	5.0	5.0	NA		S	S			NA	NA	NA	NA
Ethylbenzene	5.0	5.0	NA		UL		4.0 J		NA	NA	NA	NA
Styrene	5.0	5.0	NA		UL				NA	NA	NA	NA
Xylene (total)	5.0	5.0	NA		UL				NA	NA	NA	NA

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-07F-LT	FI-08-LT	FI-08-LTMS	FI-08-LTMSD	FI-08-UT	FI-08-200	FI-09-LT	FI-09-UT	FI-13-LT	FI-13-UT
Remarks								Trip Blank				
Percent Lipids			1.3	9.1	9.1	9.1	NA		NA	1.2	4.8	0.48
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Phenol	10	330	R	R	S	S	R	NA	R	R	R	R
bis(2-Chloroethyl)Ether	10	330						NA	R		R	
2-Chlorophenol	10	330	R	R	S	S	R	NA	R	R	R	R
1,3-Dichlorobenzene	10	330						NA	R		R	
1,4-Dichlorobenzene	10	330			S	S		NA	R		R	
Benzyl Alcohol	10	330						NA	R		R	
1,2-Dichlorobenzene	10	330						NA	R		R	
2-Methylphenol	10	330	R	R	R	R	R	NA	R	R	R	R
bis(2-Chloroisopropyl)Ether	10	330						NA	R		R	
4-Methylphenol	10	330	R	R	R	R	R	NA	R	R	R	R
N-Nitroso-Di-n-Propylamine	10	330			S	S		NA	R		R	
Hexachloroethane	10	330						NA	R		R	
Nitrobenzene	10	330						NA	R		R	
Isophorone	10	330						NA	R		R	
2-Nitrophenol	10	330	R	R	R	R	R	NA	R	R	R	R
2,4-Dimethylphenol	10	330	R	R	R	R	R	NA	R	R	R	R
Benzoic Acid	50	1650	R	R	R	R	R	NA	R	R	R	R
bis(2-Chloroethoxy)Methane	10	330						NA	R		R	
2,4-Dichlorophenol	10	330	R	R	R	R	R	NA	R	R	R	R
1,2,4-Trichlorobenzene	10	330			S	S		NA	R		R	
Naphthalene	10	330						NA	R		R	
4-Chloroaniline	10	330						NA	R		R	
Hexachlorobutadiene	10	330						NA	R		R	

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-07F-LT	FI-08-LT	FI-08-LTMS	FI-08-LTMSD	FI-08-UT	FI-08-200	FI-09-LT	FI-09-UT	FI-13-LT	FI-13-UT
Remarks								Trip Blank				
Percent Lipids			1.3	9.1	9.1	9.1	NA		NA	1.2	4.8	0.48
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330	R	R	S	S	R	NA	R	R	R	R
2-Methylnaphthalene	10	330						NA	R		R	
Hexachlorocyclopentadiene	10	330						NA	R		R	
2,4,6-Trichlorophenol	10	330	R	R	R	R	R	NA	R	R	R	R
2,4,5-Trichlorophenol	50	1650	R	R	R	R	R	NA	R	R	R	R
2-Chloronaphthalene	10	330						NA	R		R	
2-Nitroaniline	50	1650						NA	R		R	
Dimethyl Phthalate	10	330						NA	R		R	
Acenaphthylene	10	330						NA	R		R	
3-Nitroaniline	50	1650						NA	R		R	
Acenaphthene	10	330			S	S		NA	R		R	
2,4-Dinitrophenol	50	1650	R	R	R	R	R	NA	R	R	R	R
4-Nitrophenol	50	1650	R	R	S	S	R	NA	R	R	R	R
Dibenzofuran	10	330						NA	R		R	
2,4-Dinitrotoluene	10	330			S	S		NA	R		R	
2,6-Dinitrotoluene	10	330						NA	R		R	
Diethylphthalate	10	330						NA	R		R	
4-Chlorophenyl-phenylether	10	330						NA	R		R	
Fluorene	10	330						NA	R		R	
4-Nitroaniline	50	1650						NA	R		R	
4,6-Dinitro-2-Methylphenol	50	1650	R	R	R	R	R	NA	R	R	R	R
N-Nitrosodiphenylamine (1)	10	330	70 J	62 J	770 J	2400 J	54 J	NA	R		R	
4-Bromophenyl-phenylether	10	330						NA	R		R	
Hexachlorobenzene	10	330						NA	R		R	

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-07F-LT	FI-08-LT	FI-08-LTMS	FI-08-LTMSD	FI-08-UT	FI-08-200	FI-09-LT	FI-09-UT	FI-13-LT	FI-13-UT
Remarks								Trip Blank				
Percent Lipids			1.3	9.1	9.1	9.1	NA		NA	1.2	4.8	0.48
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
Pentachlorophenol	10	330	R	R	S	S	R	NA	R	R	R	R
Phenanthrene	10	330						NA	R		R	
Anthracene	10	330						NA	R		R	
Di-n-Butylphthalate	10	330	50 J					NA	R		R	
Fluoranthene	10	330						NA	R		R	
Pyrene	10	330		UL	S	S	R	NA	R		R	
Butylbenzylphthalate	10	330		UL			R	NA	R		R	
3,3'-Dichlorobenzidine	20	660		UL			R	NA	R		R	
Benzo(a)Anthracene	10	330		UL			R	NA	R		R	
Chrysene	10	330		UL			R	NA	R		R	
bis(2-Ethylhexyl)Phthalate	10	330	410 U	410 U			R	NA	R		R	
Di-n-Octyl Phthalate	10	330		UL			R	NA	R		R	
Benzo(b)Fluoranthene	10	330		UL			R	NA	R		R	
Benzo(k)Fluoranthene	10	330		UL			R	NA	R		R	
Benzo(a)Pyrene	10	330		UL			R	NA	R		R	
Indeno(1,2,3-cd)Pyrene	10	330		UL			R	NA	R		R	
Dibenzo(a,h)Anthracene	10	330		UL			R	NA	R		R	
Benzo(g,h,i)Perylene	10	330		UL			R	NA	R		R	
Diphenylsulfone	10	330		R	S	S		NA	R		R	
3,4-Dichloronitrobenzene	10	330	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier			1.24	1.24	21.5	24.5	1.21	NA	3200	1.21	3800	1.12
Date Sample Received by Laboratory			05/19/90	05/19/90	05/19/90	05/19/90	05/19/90	NA	05/22/90	05/22/90	05/22/90	05/22/90
Date Sample Extracted			05/29/90	05/29/90	05/29/90	05/29/90	05/29/90	NA	05/31/90	05/31/90	05/31/90	05/31/90
Date of Sample Analysis			07/07/90	07/07/90	07/10/90	07/10/90	07/07/90	NA	07/30/90	07/08/90	07/30/90	07/08/90

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-07F-LT	FI-08-LT	FI-08-LTMS	FI-08-LTMSD	FI-08-UT	FI-08-200	FI-09-LT	FI-09-UT	FI-13-LT	FI-13-UT
Remarks								Trip Blank				
Percent Lipids			1.3	9.1	9.1	9.1	NA		NA	1.2	4.8	0.48
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
alpha-BHC	0.05	8.0	NA				UN	NA				UL
beta-BHC	0.05	8.0	NA				UN	NA		8.8		UL
delta-BHC	0.05	8.0	NA				UN	NA				UL
Lindane	0.05	8 0	NA	54 J	S	S	UN	NA				UL
Heptachlor	0.05	8.0	NA	UL	S	S	UN	NA				UL
Aldrin	0.05	8.0	NA		S	S	UN	NA				UL
Heptachlor epoxide	0.05	8.0	NA	12			UN	NA				UL
Endosulfan I	0.05	8.0	NA	67		380 J	UN	NA				UL
Dieldrin	0.10	16.0	NA		S	S	UN	NA				UL
4,4'-DDE	0.10	16.0	NA	39 J		180 J	UN	NA				UL
Endrin	0.10	16.0	NA	49 J	S	S	UN	NA	UL	UL	UL	UL
Endosulfan II	0.10	16.0	NA				UN	NA				UL
4,4'-DDD	0.10	16.0	NA				UN	NA				UL
Endosulfan sulfate	0.10	16.0	NA				UN	NA				UL
4,4'-DDT	0.10	16.0	NA		S	S	UN	NA				UL
Methoxychlor	0.50	80	NA				UN	NA				UL
Endrin ketone	0.10	16.0	NA				UN	NA				UL
alpha-Chlordane	0.10	80	NA				UN	NA				UL
gamma-Chlordane	0.10	80	NA				UN	NA				UL
Toxaphene	1.0	160	NA				UN	NA				UL

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-07F-LT	FI-08-LT	FI-08-LTMS	FI-08-LTMSD	FI-08-UT	FI-08-200	FI-09-LT	FI-09-UT	FI-13-LT	FI-13-UT
Remarks								Trip Blank				
Percent Lipids			1.3	9.1	9.1	9.1	NA		NA	1.2	4.8	0.48
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Aroclor-1016	0.5	80	NA				UN	NA				UL
Aroclor-1221	0.5	80	NA				UN	NA				UL
Aroclor-1232	0.5	80	NA				UN	NA				UL
Aroclor-1242	0.5	80	NA				UN	NA				UL
Aroclor-1248	0.5	80	NA				UN	NA				UL
Aroclor-1254	1.0	160	NA				UN	NA				UL
Aroclor-1260	1.0	160	NA				UN	NA				UL
Quantitation Limit Multiplier			NA	1.00	9.75	9.88	UN	NA	0.98	0.98	0.99	0.99
Date Sample Received			NA	05/19/90	05/19/90	05/19/90	UN	NA	05/19/90	05/19/90	05/19/90	05/19/90
Date Sample Extracted			NA	01/18/91	01/18/91	01/18/91	UN	NA	01/18/91	01/18/91	01/18/91	01/18/91
Date of Sample Analysis			NA	02/03/91	02/04/91	02/04/91	UN	NA	02/04/91	02/04/91	02/04/91	02/05/91

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-07F-LT	FI-08-LT	FI-08-LTMS	FI-08-LTMSD	FI-08-UT	FI-08-200	FI-09-LT	FI-09-UT	FI-13-LT	FI-13-UT
Remarks								Trip Blank				
Percent Lipids			1.3	9.1	9.1	9.1	NA		NA	1.2	4.8	0.48
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit(Sol)										
Kepone	0.132	194		R	S	S	R	NA				
Photomirex	0.0474	15.9		R	S	S		NA	45.1 J	10.7 J	390 J	28.8 J
Mirex	0 00544	25.2	37.2 J	564 J	S	S	436 J**	NA	3480 J**	470 J**	2140 J**	1820 J**
Reporting Limit Multiplier			1.99	46.8	30.4	32 6	0 69/69	NA	0.81/122	0.87/2.61	0.89/178	0.88/53
Date Received by Laboratory			05/19/90	05/19/90	05/19/90	05/19/90	05/19/90	NA	05/22/90	05/22/90	05/22/90	05/22/90
Date Sample Extracted			08/07/90	08/07/90	08/07/90	08/07/90	06/08/90	NA	05/31/90	05/31/90	05/31/90	05/31/90
Date of Sample Analysis			09/15/90	10/17/90	10/17/90	10/17/90	08/07/90 and 8/8/90	NA	07/07/90 and 07/11/90	07/07/90 and 07/11/90	07/07/90 and 07/11/90	07/07/90 and 07/11/90
Instrument Used for Analysis			GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS2	NA	GCMSS2	GCMSS2	GCMSS2	GCMSS2

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-15-LT	FI-15-UT	FI-18-LT	FI-18-UT	FI-20-LT	FI-20-UT	FI-22-LT	FI-23F-LT	FI-23-LT	FI-23-UT
Remarks												
Percent Lipids			4.4	0.56	1.0	0.54	3.7	0.55	3.9	NA	NA	0.72
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Chloromethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Acetate	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-15-LT	FI-15-UT	FI-18-LT	FI-18-UT	FI-20-LT	FI-20-UT	FI-22-LT	FI-23F-LT	FI-23-LT	FI-23-UT
Remarks												
Percent Lipids			4.4	0.56	1.0	0.54	3.7	0.55	3.9	NA	NA	0.72
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg	ug/kg
Benzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylene (total)	5.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-15-LT	FI-15-UT	FI-18-LT	FI-18-UT	FI-20-LT	FI-20-UT	FI-22-LT	FI-23F-LT	FI-23-LT	FI-23-UT
Remarks												
Percent Lipids			4.4	0.56	1.0	0.54	3.7	0.55	3.9	NA	NA	0.72
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Phenol	10	330	R	R	R	R	R	R	R	NA	R	R
bis(2-Chloroethyl)Ether	10	330							R	NA		
2-Chlorophenol	10	330	R	R	R	R	R	R	R	NA	R	R
1,3-Dichlorobenzene	10	330							R	NA		
1,4-Dichlorobenzene	10	330							R	NA		
Benzyl Alcohol	10	330							R	NA		
1,2-Dichlorobenzene	10	330							R	NA		
2-Methylphenol	10	330	R	R	R	R	R	R	R	NA	R	R
bis(2-Chloroisopropyl)Ether	10	330							R	NA		
4-Methylphenol	10	330	R	R	R	R	R	R	R	NA	R	R
N-Nitroso-Di-n-Propylamine	10	330							R	NA		
Hexachloroethane	10	330							R	NA		
Nitrobenzene	10	330							R	NA		
Isophorone	10	330							R	NA		
2-Nitrophenol	10	330	R	R	R	R	R	R	R	NA	R	R
2,4-Dimethylphenol	10	330	R	R	R	R	R	R	R	NA	R	R
Benzoic Acid	50	1650	R	R	R	R	R	R	R	NA	R	R
bis(2-Chloroethoxy)Methane	10	330							R	NA		
2,4-Dichlorophenol	10	330	R	R	R	R	R	R	R	NA	R	R
1,2,4-Trichlorobenzene	10	330							R	NA		
Naphthalene	10	330							R	NA		
4-Chloroaniline	10	330							R	NA		
Hexachlorobutadiene	10	330							R	NA		

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-15-LT	FI-15-UT	FI-18-LT	FI-18-UT	FI-20-LT	FI-20-UT	FI-22-LT	FI-23F-LT	FI-23-LT	FI-23-UT
Remarks												
Percent Lipids			4.4	0.56	1.0	0.54	3.7	0.55	3.9	NA	NA	0.72
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330	R	R	R	R	R	R	R	NA	R	R
2-Methylnaphthalene	10	330							R	NA		
Hexachlorocyclopentadiene	10	330							R	NA		
2,4,6-Trichlorophenol	10	330	R	R	R	R	R	R	R	NA	R	R
2,4,5-Trichlorophenol	50	1650	R	R	R	R	R	R	R	NA	R	R
2-Chloronaphthalene	10	330							R	NA		
2-Nitroaniline	50	1650							R	NA		
Dimethyl Phthalate	10	330							R	NA		
Acenaphthylene	10	330							R	NA		
3-Nitroaniline	50	1650							R	NA		
Acenaphthene	10	330							R	NA		
2,4-Dinitrophenol	50	1650	R	R	R	R	R	R	R	NA	R	R
4-Nitrophenol	50	1650	R	R	R	R	R	R	R	NA	R	R
Dibenzofuran	10	330							R	NA		
2,4-Dinitrotoluene	10	330							R	NA		
2,6-Dinitrotoluene	10	330							R	NA		
Diethylphthalate	10	330							R	NA		
4-Chlorophenyl-phenylether	10	330							R	NA		
Fluorene	10	330							R	NA		
4-Nitroaniline	50	1650							R	NA		
4,6-Dinitro-2-Methylphenol	50	1650	R	R	R	R	R	R	R	NA	R	R
N-Nitrosodiphenylamine (1)	10	330	760	450	54 J	250	57 J	56 J	R	NA	2100 U	820 U
4-Bromophenyl-phenylether	10	330							R	NA		
Hexachlorobenzene	10	330							R	NA		

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-15-LT	FI-15-UT	FI-18-LT	FI-18-UT	FI-20-LT	FI-20-UT	FI-22-LT	FI-23F-LT	FI-23-LT	FI-23-UT
Remarks												
Percent Lipids			4.4	0.56	1.0	0.54	3.7	0.55	3.9	NA	NA	0.72
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg	ug/kg
Pentachlorophenol	10	330	R	R	R	R	R	R	R	NA	R	R
Phenanthrene	10	330							R	NA		
Anthracene	10	330							R	NA		
Di-n-Butylphthalate	10	330							R	NA		
Fluoranthene	10	330							R	NA		
Pyrene	10	330			UL			UL	R	NA		
Butylbenzylphthalate	10	330			UL			UL	R	NA		
3,3'-Dichlorobenzidine	20	660			UL			UL	R	NA		
Benzo(a)Anthracene	10	330			UL			UL	R	NA		
Chrysene	10	330			UL			UL	R	NA		
bis(2-Ethylhexyl)Phthalate	10	330			UL		390 U	410 U	R	NA		3400 U
Di-n-Octyl Phthalate	10	330			UL		UL	UL	R	NA		
Benzo(b)Fluoranthene	10	330			UL		UL	UL	R	NA		
Benzo(k)Fluoranthene	10	330			UL		UL	UL	R	NA		
Benzo(a)Pyrene	10	330			UL		UL	UL	R	NA		
Indeno(1,2,3-cd)Pyrene	10	330			UL		UL	UL	R	NA		
Dibenzo(a,h)Anthracene	10	330			UL		UL	UL	R	NA		
Benzo(g,h,i)Perylene	10	330			UL		UL	UL	R	NA		
Diphenylsulfone	10	330							R	NA		
3,4-Dichloronitrobenzene	10	330	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier			0.18	0.18	1.03	0.18	1.18	1.24	1.06	NA	6.36	2.48
Date Sample Received by Laboratory			05/21/90	05/21/90	05/21/90	05/21/90	05/21/90	05/21/90	05/19/90	NA	05/16/90	05/16/90
Date Sample Extracted			05/31/90	05/31/90	05/31/90	05/31/90	05/31/90	05/31/90	05/29/90	NA	05/25/90	05/25/90
Date of Sample Analysis			07/10/90	07/10/90	07/07/90	07/10/90	07/07/90	07/07/90	07/07/90	NA	07/03/90	07/03/90

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-15-LT	FI-15-UT	FI-18-LT	FI-18-UT	FI-20-LT	FI-20-UT	FI-22-LT	FI-23F-LT	FI-23-LT	FI-23-UT
Remarks												
Percent Lipids			4.4	0.56	1.0	0.54	3.7	0.55	3.9	NA	NA	0.72
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
alpha-BHC	0.05	8.0	UL	UL	R	UL	R	UL		NA		
beta-BHC	0.05	8.0	UL	UL	R	UL	R	UL		NA		
delta-BHC	0.05	8.0	UL	UL	R	UL	R	UL		NA		
Lindane	0.05	8.0	UL	UL	R	UL	R	UL		NA		
Heptachlor	0.05	8.0	UL	UL	R	UL	R	UL		NA		
Aldrin	0.05	8.0	UL	UL	R	UL	R	UL		NA		
Heptachlor epoxide	0.05	8.0	UL	UL	R	UL	R	UL		NA		
Endosulfan I	0.05	8.0	UL	UL	R	UL	R	UL		NA		
Dieldrin	0.10	16.0	UL	UL	R	UL	R	UL		NA		
4,4'-DDE	0.10	16.0	UL	UL	R	UL	R	UL		NA	2.7 J	3.5 J
Endrin	0.10	16.0	UL	UL	R	UL	R	UL	UL	NA		
Endosulfan II	0.10	16.0	UL	UL	R	UL	R	UL		NA		
4,4'-DDD	0.10	16.0	UL	UL	R	UL	R	UL		NA		
Endosulfan sulfate	0.10	16.0	UL	UL	R	UL	R	UL		NA		
4,4'-DDT	0.10	16.0	UL	UL	R	UL	R	UL		NA		
Methoxychlor	0.50	80	UL	UL	R	UL	R	UL		NA		
Endrin ketone	0.10	16.0	UL	UL	R	UL	R	UL		NA		
alpha-Chlordane	0.10	80	UL	UL	R	UL	R	UL		NA	5.9 J	
gamma-Chlordane	0.10	80	UL	UL	R	UL	R	UL		NA		
Toxaphene	1.0	160	UL	UL	R	UL	R	UL		NA		

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-15-LT	FI-15-UT	FI-18-LT	FI-18-UT	FI-20-LT	FI-20-UT	FI-22-LT	FI-23F-LT	FI-23-LT	FI-23-UT
Remarks												
Percent Lipids			4.4	0.56	1.0	0.54	3.7	0.55	3.9	NA	NA	0.72
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)										
Aroclor-1016	0.5	80	UL	UL	R	UL	R	UL		NA		
Aroclor-1221	0.5	80	UL	UL	R	UL	R	UL		NA		
Aroclor-1232	0.5	80	UL	UL	R	UL	R	UL		NA		
Aroclor-1242	0.5	80	UL	UL	R	UL	R	UL		NA		
Aroclor-1248	0.5	80	UL	UL	R	UL	R	UL		NA		
Aroclor-1254	1.0	160	UL	UL	R	UL	R	UL		NA		
Aroclor-1260	1.0	160	UL	UL	R	UL	R	UL		NA		
Quantitation Limit Multiplier			0.98	1.0	0.84	0.98	0.95	0.99	9.63	NA	1.0	1.0
Date Sample Received			5/21/90	5/21/90	5/21/90	5/21/90	5/21/90	5/21/90	05/19/90	NA	05/16/90	05/16/90
Date Sample Extracted			05/31/90	05/31/90	05/31/90	05/31/90	05/31/90	05/31/90	01/21/91	NA	05/25/9	05/25/90
Date of Sample Analysis			06/27/90	06/27/90	06/27/90	06/27/90	06/26/90	06/27/90	02/03/91	NA	06/21/9	06/21/90

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-15-LT	FI-15-UT	FI-18-LT	FI-18-UT	FI-20-LT	FI-20-UT	FI-22-LT	FI-23F-LT	FI-23-LT	FI-23-UT
Remarks												
Percent Lipids			4.4	0.56	1.0	0.54	3.7	0.55	3.9	NA	NA	0.72
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg	ug/kg
COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit(Sol)										
Kepone	0.132	194				UL/UL				NA		
Photomirex	0.0474	15.9	27.7	8.98 J	13.2 J	8.52J/8.26J	17.0	4.07 J	20.2 J	NA	36.0	20.0
Mirex	0 00544	25 2	604 J	207	317J/467J**	195 J/164 J	412 J	98.0	982	NA	6150	1290
Reporting Limit Multiplier			0.96	0.93	0.60/1.8	0.91/0.91	0.70	0.68	37.4	NA	0.96/4.8	0.98/3 8
Date Received by Laboratory			05/21/90	05/21/90	05/21/90	05/21/90	05/21/90	05/21/90	05/19/90	NA	05/16/90	05/16/90
Date Sample Extracted			05/31/90	05/31/90	06/08/90	05/31/90 and 08/05/90	06/08/90	06/08/90	08/07/90	NA	05/26/90	05/26/90
Date of Sample Analysis			07/06/90	07/07/90	07/06/90 and 07/07/90	07/06/90 and 08/14/90	07/06/90	07/06/90	10/17/90	NA	07/07/90	07/07/90
Instrument Used for Analysis			GCMSS2	GCMSS2	GCMSS2	GCMSS2 and GCMSS3	GCMSS2	GCMSS2	GCMSS3	NA	GCMSS2	GCMSS2

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-28-LT	FI-28-UT	FI-29-LT	FI-30-LT	FI-30-UT
Remarks							
Percent Lipids			5.4	0.43	3.2	2.4	.39
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)					
Chloromethane	10	10	NA	NA	NA	NA	NA
Bromomethane	10	10	NA	NA	NA	NA	NA
Vinyl Chloride	10	10	NA	NA	NA	NA	NA
Chloroethane	10	10	NA	NA	NA	NA	NA
Methylene Chloride	5.0	5.0	NA	NA	NA	NA	NA
Acetone	10	10	NA	NA	NA	NA	NA
Carbon Disulfide	5.0	5.0	NA	NA	NA	NA	NA
1,1-Dichloroethene	5.0	5.0	NA	NA	NA	NA	NA
1,1-Dichloroethane	5.0	5.0	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	5.0	5.0	NA	NA	NA	NA	NA
Chloroform	5.0	5.0	NA	NA	NA	NA	NA
1,2-Dichloroethane	5.0	5.0	NA	NA	NA	NA	NA
2-Butanone	10	10	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5.0	5.0	NA	NA	NA	NA	NA
Carbon Tetrachloride	5.0	5.0	NA	NA	NA	NA	NA
Vinyl Acetate	10	10	NA	NA	NA	NA	NA
Bromodichloromethane	5.0	5.0	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5.0	5.0	NA	NA	NA	NA	NA
1,2-Dichloropropane	5.0	5.0	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	5.0	5.0	NA	NA	NA	NA	NA
Trichloroethene	5.0	5.0	NA	NA	NA	NA	NA
Dibromochloromethane	5.0	5.0	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	5.0	5.0	NA	NA	NA	NA	NA

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-28-LT	FI-28-UT	FI-29-LT	FI-30-LT	FI-30-UT
Remarks							
Percent Lipids			5.4	0.43	3.2	2.4	.39
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.0	5.0	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	5.0	5.0	NA	NA	NA	NA	NA
Bromoform	5.0	5.0	NA	NA	NA	NA	NA
2-Hexanone	10	10	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	10	10	NA	NA	NA	NA	NA
Tetrachloroethene	5.0	5.0	NA	NA	NA	NA	NA
Toluene	5.0	5.0	NA	NA	NA	NA	NA
Chlorobenzene	5.0	5.0	NA	NA	NA	NA	NA
Ethylbenzene	5.0	5.0	NA	NA	NA	NA	NA
Styrene	5.0	5.0	NA	NA	NA	NA	NA
Xylene (total)	5.0	5.0	NA	NA	NA	NA	NA

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-28-LT	FI-28-UT	FI-29-LT	FI-30-LT	FI-30-UT
Remarks							
Percent Lipids			5.4	0.43	3.2	2.4	.39
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)					
Phenol	10	330	R	R		R	R
bis(2-Chloroethyl)Ether	10	330					
2-Chlorophenol	10	330	R	R		R	R
1,3-Dichlorobenzene	10	330					
1,4-Dichlorobenzene	10	330					
Benzyl Alcohol	10	330					
1,2-Dichlorobenzene	10	330					
2-Methylphenol	10	330	R	R		R	R
bis(2-Chloroisopropyl)Ether	10	330					
4-Methylphenol	10	330	R	R		R	R
N-Nitroso-Di-n-Propylamine	10	330			8200 U		
Hexachloroethane	10	330					
Nitrobenzene	10	330					
Isophorone	10	330					
2-Nitrophenol	10	330	R	R		R	R
2,4-Dimethylphenol	10	330	R	R	R	R	R
Benzoic Acid	50	1650	R	R		R	R
bis(2-Chloroethoxy)Methane	10	330					
2,4-Dichlorophenol	10	330	R	R		R	R
1,2,4-Trichlorobenzene	10	330					
Naphthalene	10	330					
4-Chloroaniline	10	330					
Hexachlorobutadiene	10	330					

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-28-LT	FI-28-UT	FI-29-LT	FI-30-LT	FI-30-UT
Remarks							
Percent Lipids			5.4	0.43	3.2	2.4	.39
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330	R	R	1400 J	R	R
2-Methylnaphthalene	10	330					
Hexachlorocyclopentadiene	10	330					
2,4,6-Trichlorophenol	10	330	R	R		R	R
2,4,5-Trichlorophenol	50	1650	R	R		R	R
2-Chloronaphthalene	10	330					
2-Nitroaniline	50	1650					
Dimethyl Phthalate	10	330					
Acenaphthylene	10	330					
3-Nitroaniline	50	1650					
Acenaphthene	10	330					
2,4-Dinitrophenol	50	1650	R	R		R	R
4-Nitrophenol	50	1650	R	R	R	R	R
Dibenzofuran	10	330			R		
2,4-Dinitrotoluene	10	330					
2,6-Dinitrotoluene	10	330					
Diethylphthalate	10	330					
4-Chlorophenyl-phenylether	10	330					
Fluorene	10	330					
4-Nitroaniline	50	1650					
4,6-Dinitro-2-Methylphenol	50	1650	R	R		R	R
N-Nitrosodiphenylamine (1)	10	330	2100 U	2110 U	1000 J	4100 U	1200 U
4-Bromophenyl-phenylether	10	330		UL			
Hexachlorobenzene	10	330		UL			

ERM-Midwest Sample Number			FI-28-LT	FI-28-UT	FI-29-LT	FI-30-LT	FI-30-UT
Remarks							
Percent Lipids			5.4	0.43	3.2	2.4	.39
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Pentachlorophenol	10	330	R	R		R	R
Phenanthrene	10	330		UL			
Anthracene	10	330		UL			
Di-n-Butylphthalate	10	330		UL	1400 J		
Fluoranthene	10	330		UL			
Pyrene	10	330					
Butylbenzylphthalate	10	330					
3,3'-Dichlorobenzidine	20	660					
Benzo(a)Anthracene	10	330					
Chrysene	10	330					
bis(2-Ethylhexyl)Phthalate	10	330	2100 U	410 U			
Di-n-Octyl Phthalate	10	330					
Benzo(b)Fluoranthene	10	330					
Benzo(k)Fluoranthene	10	330					
Benzo(a)Pyrene	10	330					
Indeno(1,2,3-cd)Pyrene	10	330					
Dibenzo(a,h)Anthracene	10	330					
Benzo(g,h,i)Perylene	10	330					
Diphenylsulfone	10	330					
3,4-Dichloronitrobenzene	10	330	NA	NA	NA	NA	NA
Quantitation Limit Multiplier			6.36	1.24	24.8	12.42	3.64
Date Sample Received by Laboratory			05/16/90	05/16/90	05/18/90	05/16/90	05/16/90
Date Sample Extracted			05/25/90	05/25/90	07/14/90	05/25/90	05/25/90
Date of Sample Analysis			07/03/90	07/03/90	08/10/90	07/03/90	07/03/90

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-28-LT	FI-28-UT	FI-29-LT	FI-30-LT	FI-30-UT
Remarks							
Percent Lipids			5.4	0.43	3.2	2.4	.39
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (Sol)					
alpha-BHC	0.05	8.0			UN		
beta-BHC	0.05	8.0			UN		
delta-BHC	0.05	8.0			UN		
Lindane	0.05	8.0			UN		
Heptachlor	0.05	8.0			UN		
Aldrin	0.05	8.0			UN		
Heptachlor epoxide	0.05	8.0			UN		
Endosulfan I	0.05	8.0			UN		
Dieldrin	0.10	16.0			UN		
4,4'-DDE	0.10	16.0	30	2.7 J	UN	24	8.9 J
Endrin	0.10	16.0			UN		
Endosulfan II	0.10	16.0			UN		
4,4'-DDD	0.10	16.0			UN		
Endosulfan sulfate	0.10	16.0			UN		
4,4'-DDT	0.10	16.0			UN		
Methoxychlor	0.50	80			UN		
Endrin ketone	0.10	16.0			UN		
alpha-Chlordane	0.10	80	10 J		UN	14 J	
gamma-Chlordane	0.10	80			UN		
Toxaphene	1.0	160			UN		

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-28-LT	FI-28-UT	FI-29-LT	FI-30-LT	FI-30-UT
Remarks							
Percent Lipids			5.4	0.43	3.2	2.4	.39
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)					
Aroclor-1016	0.5	80			UN		
Aroclor-1221	0.5	80			UN		
Aroclor-1232	0.5	80			UN		
Aroclor-1242	0.5	80			UN		
Aroclor-1248	0.5	80			UN		
Aroclor-1254	1.0	160			UN		
Aroclor-1260	1.0	160			UN		
Quantitation Limit Multiplier			1.0	1.0	UN	1.0	1.0
Date Sample Received			05/16/90	05/16/90	UN	05/16/90	05/16/90
Date Sample Extracted			05/25/90	05/25/90	UN	05/25/90	05/25/90
Date of Sample Analysis			06/21/9	06/21/90	UN	06/21/90	06/21/90

MFLBC FISH TISSUE SAMPLES

ERM-Midwest Sample Number			FI-28-LT	FI-28-UT	FI-29-LT	FI-30-LT	FI-30-UT
Remarks							
Percent Lipids			5.4	0.43	3.2	2.4	.39
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit(Sol)					
Kepone	0.132	194					
Photomirex	0.0474	15.9	15.8	12.6 J	9.20 J		
Mirex	0.00544	25.2	420	260	205	5.20 J	22.0 J
Reporting Limit Multiplier			0.89	0.96	1.0	0.94	0.98
Date Received by Laboratory			05/16/90	05/16/90	05/18/90	05/16/90	05/16/90
Date Sample Extracted			05/26/90	05/26/90	05/26/90	05/26/90	05/26/90
Date of Sample Analysis			07/06/90	07/06/90	07/06/90	07/06/90	07/06/90
Instrument Used for Analysis			GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2

MFLBC FISH SAMPLES

ERM-Midwest Sample Number			FI-35-LT	FI-35-UT	FI-60-LT	FI-60-UT	FI-37-UT	FI-37-LT	FI-62-LT	FI-62-UT	FI-39-LT	FI-39-UT
Remarks					Dup. of FI-35-LT	Dup. of FI-35-UT			Dup. of FI-37-LT	Dup. of FI-37-UT		
Percent Lipids			0.74	0.18	0.84	0.03	0.40	1.9	5.2	0.41	4.7	0.25
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (SOL)										
Phenol	10	330	R	R		93 J				R	R	R
bis(2-Chloroethyl)Ether	10	330									UL	UL
2-Chlorophenol	10	330	R	R		R				R	R	R
1,3-Dichlorobenzene	10	330									UL	UL
1,4-Dichlorobenzene	10	330									UL	UL
Benzyl Alcohol	10	330									UL	UL
1,2-Dichlorobenzene	10	330									UL	UL
2-Methylphenol	10	330	R	R		R				R	R	R
bis(2-Chloroisopropyl)Ether	10	330									UL	UL
4-Methylphenol	10	330	R	R		R				R	R	R
N-Nitroso-Di-n-Propylamine	10	330									UL	UL
Hexachloroethane	10	330									UL	UL
Nitrobenzene	10	330									UL	UL
Isophorone	10	330									UL	UL
2-Nitrophenol	10	330	R	R		R				R	R	R
2,4-Dimethylphenol	10	330	R	R		R				R	R	R
Benzoic Acid	50	1650	R	R		R				R	R	R
bis(2-Chloroethoxy)Methane	10	330									UL	UL
2,4-Dichlorophenol	10	330	R	R		R				R	R	R
1,2,4-Trichlorobenzene	10	330									UL	UL
Naphthalene	10	330									UL	UL
4-Chloroaniline	10	330									UL	UL
Hexachlorobutadiene	10	330									UL	UL

ERM-Midwest Sample Number			FI-35-LT	FI-35-UT	FI-60-LT	FI-60-UT	FI-37-UT	FI-37-LT	FI-62-LT	FI-62-UT	FI-39-LT	FI-39-UT
Remarks					Dup. of FI-35-LT	Dup. of FI-35-UT			Dup. of FI-37-LT	Dup. of FI-37-UT		
Percent Lipids			0.74	0.18	0.84	0.03	0.40	1.9	5.2	0.41	4.7	0.25
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330	R	R		R				R	R	R
2-Methylnaphthalene	10	330									UL	UL
Hexachlorocyclopentadiene	10	330									UL	UL
2,4,6-Trichlorophenol	10	330	R	R		R				R	R	R
2,4,5-Trichlorophenol	50	1650	R	R		R				R	R	R
2-Chloronaphthalene	10	330									UL	UL
2-Nitroaniline	50	1650									UL	UL
Dimethyl Phthalate	10	330									UL	UL
Acenaphthylene	10	330									UL	UL
3-Nitroaniline	50	1650									UL	UL
Acenaphthene	10	330									UL	UL
2,4-Dinitrophenol	50	1650	R	R		R				R	R	R
4-Nitrophenol	50	1650	R	R		R				R	R	R
Dibenzofuran	10	330									UL	UL
2,4-Dinitrotoluene	10	330									UL	UL
2,6-Dinitrotoluene	10	330									UL	UL
Diethylphthalate	10	330					9600 U	20,000 U	16,000 U	1700 U	UL	UL
4-Chlorophenyl-phenylether	10	330									UL	UL
Fluorene	10	330									UL	UL
4-Nitroaniline	50	1650									UL	UL
4,6-Dinitro-2-Methylphenol	50	1650	R	R		R				R	R	R
N-Nitrosodiphenylamine (1)	10	330	57 J	79 J							UL	410 U
4-Bromophenyl-phenylether	10	330									UL	UL
Hexachlorobenzene	10	330									UL	UL
Pentachlorophenol	10	330	R	R						R	R	R

ERM-Midwest Sample Number			FI-35-LT	FI-35-UT	FI-60-LT	FI-60-UT	FI-37-UT	FI-37-LT	FI-62-LT	FI-62-UT	FI-39-LT	FI-39-UT
Remarks					Dup. of FI-35-LT	Dup. of FI-35-UT			Dup. of FI-37-LT	Dup. of FI-37-UT		
Percent Lipids			0.74	0.18	0.84	0.03	0.40	1.9	5.2	0.41	4.7	0.25
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330				R					UL	UL
Anthracene	10	330									UL	UL
Di-n-Butylphthalate	10	330	110 J								UL	UL
Fluoranthene	10	330									UL	UL
Pyrene	10	330									UL	UL
Butylbenzylphthalate	10	330									UL	UL
3,3'-Dichlorobenzidine	20	660									UL	UL
Benzo(a)Anthracene	10	330									UL	UL
Chrysene	10	330									UL	UL
bis(2-Ethylhexyl)Phthalate	10	330	410 U	760 U		820 U					UL	410 U
Di-n-Octyl Phthalate	10	330									UL	UL
Benzo(b)Fluoranthene	10	330									UL	UL
Benzo(k)Fluoranthene	10	330									UL	UL
Benzo(a)Pyrene	10	330									UL	UL
Indeno(1,2,3-cd)Pyrene	10	330									UL	UL
Dibenzo(a,h)Anthracene	10	330									UL	UL
Benzo(g,h,i)Perylene	10	330									UL	UL
Diphenylsulfone	10	330									UL	UL
3,4-Dichloronitrobenzene	10	330	NA	NA							NA	NA
Quantitation Limit Multiplier			1.24	2.30	48.5	2.48	29.1	60.6	48.5	5.15	1.24	1.24
Date Sample Received by Laboratory			05/14/90	05/14/90	05/14/90	05/14/90	05/15/90	05/15/90	05/15/90	05/15/90	05/17/90	05/17/90
Date Sample Extracted			05/24/90	05/24/90	07/13/90	05/24/90	07/16/90	07/16/90	07/16/90	07/16/90	05/25/90	05/25/90
Date of Sample Analysis			07/02/90	07/02/90	08/11/90	07/03/90	08/16/90	08/16/90	08/16/90	08/16/90	07/05/90	07/05/90
Instrument Used for Analysis			GCMSS1	GCMSS1	GCMSS6	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1

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ERM-Midwest Sample Number			FI-35-LT	FI-35-UT	FI-60-LT	FI-60-UT	FI-37-UT	FI-37-LT	FI-62-LT	FI-62-UT	FI-39-LT	FI-39-UT
Remarks					Dup. of FI-35-LT	Dup. of FI-35-UT			Dup. of FI-37-LT	Dup. of FI-37-UT		
Percent Lipids			0.74	0.18	0.84	0.03	0.40	1.9	5.2	0.41	4.7	0.25
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (SOL)										
alpha-BHC	0.05	8.0	R			R						
beta-BHC	0.05	8.0	R			R						
delta-BHC	0.05	8.0	R			R						
gamma-BHC (Lindane)	0.05	8.0	R			R						
Heptachlor	0.05	8.0	R			R						
Aldrin	0.05	8.0	R			R						
Heptachlor epoxide	0.05	8.0	R			R						
Endosulfan I	0.05	8.0	R			R						
Dieldrin	0.10	16.0	R			R						
4,4'-DDE	0.10	16.0	R			R					4.1 J	
Endrin	0.10	16.0	R			R						
Endosulfan II	0.10	16.0	R			R						
4,4'-DDD	0.10	16.0	R			R						
Endosulfan sulfate	0.10	16.0	R			R						
4,4'-DDT	0.10	16.0	R			R						
Methoxychlor	0.50	80	R			R						
Endrin ketone	0.10	16.0	R			R						
alpha-Chlordane	0.10	80	R			R						
gamma-Chlordane	0.10	80	R			R						
Toxaphene	1.0	160	R			R						

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ERM-Midwest Sample Number			FI-35-LT	FI-35-UT	FI-60-LT	FI-60-UT	FI-37-UT	FI-37-LT	FI-62-LT	FI-62-UT	FI-39-LT	FI-39-UT
Remarks					Dup. of FI-35-LT	Dup. of FI-35-UT			Dup. of FI-37-LT	Dup. of FI-37-UT		
Percent Lipids			0.74	0.18	0.84	0.03	0.40	1.9	5.2	0.41	4.7	0.25
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (SOL)										
Aroclor-1016	0.5	80	R			R						
Aroclor-1221	0.5	80	R			R						
Aroclor-1232	0.5	80	R			R						
Aroclor-1242	0.5	80	R			R						
Aroclor-1248	0.5	80	R			R						
Aroclor-1254	1.0	160	R			R	100 J	300	800	310		
Aroclor-1260	1.0	160	44 J	31 R	81 J	51 J						
Quantitation Limit Multiplier			0.98	0.91	0.93	1.03	1 0	1.01	1.0	1.0	1.01	1.01
Date Sample Received by Laboratory			05/14/90	05/14/90	05/14/90	05/14/90	05/15/90	05/15/90	05/15/90	05/15/90	05/17/90	05/17/90
Date Sample Extracted			05/24/90	05/24/90	05/24/90	05/24/90	05/24/90	05/24/90	05/24/90	05/24/90	05/25/90	05/25/90
Date of Sample Analysis			06/18/90	06/18/90	06/18/90	06/18/90	06/20/90	06/20/90	06/20/90	06/20/90	06/21/90	06/21/90

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ERM-Midwest Sample Number			FI-35-LT	FI-35-UT	FI-60-LT	FI-60-UT	FI-37-UT	FI-37-LT	FI-62-LT	FI-62-UT	FI-39-LT	FI-39-UT
Remarks					Dup. of FI-35-LT	Dup. of FI-35-UT			Dup. of FI-37-LT	Dup. of FI-37-UT		
Percent Lipids			0.74	0.18	0.84	0.03	0.40	1.9	5.2	0.41	4.7	0.25
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Quantitation Limit	Quantitation Limit (SOL)										
Kepone	0.132	194										
Photomirex	0.0474	15.9	10.4 J	4.40 J	3.20 J	4.20 J		1.97 J	1.64 J	1.63 J	4.78 J	1.39 J
Mirex	0.00544	25 2	156	92.0	168	72.0	19.3 J	23.2 J	29.9	27.8	76.3	35.1
Reporting Limit Multiplier			0.98	0.98	0.97	0 99	0.96	0.95	0.99	0.98	0.97	0.98
Date Received by Laboratory			05/14/90	05/14/90	05/14/90	05/14/90	05/15/90	05/15/90	05/15/90	05/15/90	05/17/90	05/17/90
Date Sample Extracted			05/23/90	05/23/90	05/23/90	05/23/90	05/25/90	05/25/90	05/25/90	05/25/90	05/26/90	05/26/90
Date of Sample Analysis			07/02/90	07/02/90	07/02/90	07/02/90	07/08/90	07/08/90	07/08/90	07/08/90	07/05/90	07/05/90
Instrument Used for Analysis			GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2

ERM-Midwest Sample Number			FI-39F-LT	FI-39F-UT	FI-40-LT	FI-40-UT	FI-42-LT	FI-42-UT	FI-44-LT	FI-44-UT	FI-45-LT	FI-45-UT
Remarks												
Percent Lipids			0.58	0.15	2.3	0.46	1.9	0.064	3.4	0.26	2.7	0.26
Units					ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (SOL)										
Phenol	10	330	NA	NA	R	R		R		R	R	R
bis(2-Chloroethyl)Ether	10	330	NA	NA								
2-Chlorophenol	10	330	NA	NA	R	R		R		R		
1,3-Dichlorobenzene	10	330	NA	NA								
1,4-Dichlorobenzene	10	330	NA	NA							R	
Benzyl Alcohol	10	330	NA	NA								
1,2-Dichlorobenzene	10	330	NA	NA								
2-Methylphenol	10	330	NA	NA	R	R		R		R		
bis(2-Chloroisopropyl)Ether	10	330	NA	NA								
4-Methylphenol	10	330	NA	NA	R	R		R		R		
N-Nitroso-Di-n-Propylamine	10	330	NA	NA								
Hexachloroethane	10	330	NA	NA								
Nitrobenzene	10	330	NA	NA								
Isophorone	10	330	NA	NA								
2-Nitrophenol	10	330	NA	NA	R	R		R		R		
2,4-Dimethylphenol	10	330	NA	NA	R	R		R		R		
Benzoic Acid	50	1650	NA	NA	R	R		R		R	3300 J	
bis(2-Chloroethoxy)Methane	10	330	NA	NA								
2,4-Dichlorophenol	10	330	NA	NA	R	R		R		R		
1,2,4-Trichlorobenzene	10	330	NA	NA								
Naphthalene	10	330	NA	NA								
4-Chloroaniline	10	330	NA	NA								
Hexachlorobutadiene	10	330	NA	NA								

ERM-Midwest Sample Number			FI-39F-LT	FI-39F-UT	FI-40-LT	FI-40-UT	FI-42-LT	FI-42-UT	FI-44-LT	FI-44-UT	FI-45-LT	FI-45-UT
Remarks												
Percent Lipids			0.58	0.15	2.3	0.46	1.9	0.064	3.4	0.26	2.7	0.26
Units					ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330	NA	NA	R	R		R		R	R	
2-Methylnaphthalene	10	330	NA	NA								
Hexachlorocyclopentadiene	10	330	NA	NA								
2,4,6-Trichlorophenol	10	330	NA	NA	R	R		R		R		
2,4,5-Trichlorophenol	50	1650	NA	NA	R	R		R		R		
2-Chloronaphthalene	10	330	NA	NA								
2-Nitroaniline	50	1650	NA	NA								
Dimethyl Phthalate	10	330	NA	NA								
Acenaphthylene	10	330	NA	NA								
3-Nitroaniline	50	1650	NA	NA								
Acenaphthene	10	330	NA	NA								
2,4-Dinitrophenol	50	1650	NA	NA	R	R		R		R		
4-Nitrophenol	50	1650	NA	NA	R	R		R		R	R	R
Dibenzofuran	10	330	NA	NA								
2,4-Dinitrotoluene	10	330	NA	NA								R
2,6-Dinitrotoluene	10	330	NA	NA								
Diethylphthalate	10	330	NA	NA	810 U	900 U						
4-Chlorophenyl-phenylether	10	330	NA	NA								
Fluorene	10	330	NA	NA								
4-Nitroaniline	50	1650	NA	NA								
4,6-Dinitro-2-Methylphenol	50	1650	NA	NA	R	R		R		R		
N-Nitrosodiphenylamine (1)	10	330	NA	NA						460 J		
4-Bromophenyl-phenylether	10	330	NA	NA								
Hexachlorobenzene	10	330	NA	NA								
Pentachlorophenol	10	330	NA	NA	R	R		R		R		

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ERM-Midwest Sample Number			FI-39F-LT	FI-39F-UT	FI-40-LT	FI-40-UT	FI-42-LT	FI-42-UT	FI-44-LT	FI-44-UT	FI-45-LT	FI-45-UT
Remarks												
Percent Lipids			0.58	0.15	2.3	0.46	1.9	0.064	3.4	0.26	2.7	0.26
Units					ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330	NA	NA								
Anthracene	10	330	NA	NA								
Di-n-Butylphthalate	10	330	NA	NA								
Fluoranthene	10	330	NA	NA								
Pyrene	10	330	NA	NA								R
Butylbenzylphthalate	10	330	NA	NA								
3,3'-Dichlorobenzidine	20	660	NA	NA								
Benzo(a)Anthracene	10	330	NA	NA								
Chrysene	10	330	NA	NA								
bis(2-Ethylhexyl)Phthalate	10	330	NA	NA				3200 U				
Di-n-Octyl Phthalate	10	330	NA	NA								
Benzo(b)Fluoranthene	10	330	NA	NA								
Benzo(k)Fluoranthene	10	330	NA	NA								
Benzo(a)Pyrene	10	330	NA	NA								
Indeno(1,2,3-cd)Pyrene	10	330	NA	NA								
Dibenzo(a,h)Anthracene	10	330	NA	NA								
Benzo(g,h,i)Perylene	10	330	NA	NA								
Diphenylsulfone	10	330	NA	NA								
3,4-Dichloronitrobenzene	10	330	NA	NA								
Quantitation Limit Multiplier			NA	NA	2.45	2.73	24.8	9.70	24.5	12.4	29.4	24.5
Date Sample Received by Laboratory			NA	NA	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90
Date Sample Extracted			NA	NA	07/16/90	07/16/90	07/13/90	07/13/90	07/13/90	07/13/90	07/13/90	07/14/90
Date of Sample Analysis			NA	NA	08/16/90	08/16/90	08/20/90	08/20/90	08/20/90	08/20/90	08/20/90	08/20/90
Instrument Used for Analysis			NA	NA	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS1

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ERM-Midwest Sample Number			FI-39F-LT	FI-39F-UT	FI-40-LT	FI-40-UT	FI-42-LT	FI-42-UT	FI-44-LT	FI-44-UT	FI-45-LT	FI-45-UT
Remarks												
Percent Lipids			0.58	0.15	2.3	0.46	1.9	0.064	3.4	0.26	2.7	0.26
Units					ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (SOL)										
alpha-BHC	0.05	8.0	NA	NA						R		
beta-BHC	0.05	8.0	NA	NA						R		
delta-BHC	0.05	8.0	NA	NA						R		
gamma-BHC (Lindane)	0.05	8.0	NA	NA						R	UL	R
Heptachlor	0.05	8.0	NA	NA						R	UL	
Aldrin	0.05	8 0	NA	NA						R	UL	R
Heptachlor epoxide	0.05	8.0	NA	NA						R		
Endosulfan I	0.05	8.0	NA	NA						R		
Dieldrin	0.10	16.0	NA	NA						R		UL
4,4'-DDE	0.10	16.0	NA	NA						R		
Endrin	0.10	16.0	NA	NA						R	UL	R
Endosulfan II	0.10	16.0	NA	NA						R		
4,4'-DDD	0.10	16.0	NA	NA						R		
Endosulfan sulfate	0.10	16.0	NA	NA						R		
4,4'-DDT	0.10	16.0	NA	NA						R	R	R
Methoxychlor	0.50	80	NA	NA						R		
Endrin ketone	0.10	16 0	NA	NA						R		
alpha-Chlordane	0.10	80	NA	NA						R		
gamma-Chlordane	0.10	80	NA	NA						R		
Toxaphene	1.0	160	NA	NA						R		

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ERM-Midwest Sample Number			FI-39F-LT	FI-39F-UT	FI-40-LT	FI-40-UT	FI-42-LT	FI-42-UT	FI-44-LT	FI-44-UT	FI-45-LT	FI-45-UT
Remarks												
Percent Lipids			0.58	0.15	2.3	0.46	1.9	0.064	3.4	0.26	2.7	0.26
Units					ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (SOL)										
Aroclor-1016	0.5	80	NA	NA						R		
Aroclor-1221	0.5	80	NA	NA						R		
Aroclor-1232	0.5	80	NA	NA						R		
Aroclor-1242	0.5	80	NA	NA						R		
Aroclor-1248	0.5	80	NA	NA						R		
Aroclor-1254	1.0	160	NA	NA	1100	220	550		850	R	650	240 J
Aroclor-1260	1.0	160	NA	NA						R		
Quantitation Limit Multiplier			NA	NA	1.00	1.01	1.0	1.0	1.0	1.0	1.01	1.0
Date Sample Received by Laboratory			NA	NA	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90
Date Sample Extracted			NA	NA	05/24/90	05/24/90	05/24/90	05/24/90	05/24/90	05/24/90	05/24/90	05/24/90
Date of Sample Analysis			NA	NA	06/20/90	06/20/90	06/20/90	06/20/90	06/20/90	06/20/90	06/20/90	06/20/90

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ERM-Midwest Sample Number			FI-39F-LT	FI-39F-UT	FI-40-LT	FI-40-UT	FI-42-LT	FI-42-UT	FI-44-LT	FI-44-UT	FI-45-LT	FI-45-UT
Remarks												
Percent Lipids			0.58	0.15	2.3	0.46	1.9	0.064	3.4	0.26	2.7	0.26
Units					ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Quantitation Limit	Quantitation Limit (SOL)										
Kepone	0.132	194									UL	UL
Photomirex	0.0474	15.9	3.09 J		2.23 J	2.25 J	3.1 J	1.55 J		3.12 J	UL	2.64 J
Mirex	0.00544	25.2	60.2	37.9	18.4 J	40.8	48.3	24.2 J	20 9	54.4	30.0	67.0
Reporting Limit Multiplier			0 96	0.99	0.99	0.95	0.96	1.0	1.0	0.99	0.97	0.97
Date Received by Laboratory			05/17/90	05/17/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90	05/15/90
Date Sample Extracted			05/26/90	05/26/90	05/25/90	05/25/90	05/25/90	05/25/90	05/25/90	05/25/90	05/25/90	05/25/90
Date of Sample Analysis			07/05/90	07/05/90	07/08/90	07/08/90	07/08/90	07/07/90	07/07/90	07/07/90	07/06/90	07/06/90
Instrument Used for Analysis			GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2

ERM-Midwest Sample Number			FI-45-LTMS	FI-45-LTMSD	FI-45-UTMS	FI-45-UTMSD	FI-47-LT	FI-47-UT	FI-48-LT	FI-48-UT	FI-48F-LT	FI-48F-UT
Remarks												
Percent Lipids			2.7	2.7	0.26	0.26	4.6	0.14	5.7	0.10	1 6	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (SOL)										
Phenol	10	330	S	S	S	S					NA	NA
bis(2-Chloroethyl)Ether	10	330									NA	NA
2-Chlorophenol	10	330	S	S	S	S					NA	NA
1,3-Dichlorobenzene	10	330									NA	NA
1,4-Dichlorobenzene	10	330	S	S	S	S					NA	NA
Benzyl Alcohol	10	330									NA	NA
1,2-Dichlorobenzene	10	330									NA	NA
2-Methylphenol	10	330									NA	NA
bis(2-Chloroisopropyl)Ether	10	330									NA	NA
4-Methylphenol	10	330									NA	NA
N-Nitroso-Di-n-Propylamine	10	330	S	S	S	S					NA	NA
Hexachloroethane	10	330									NA	NA
Nitrobenzene	10	330									NA	NA
Isophorone	10	330									NA	NA
2-Nitrophenol	10	330									NA	NA
2,4-Dimethylphenol	10	330									NA	NA
Benzoic Acid	50	1650									NA	NA
bis(2-Chloroethoxy)Methane	10	330									NA	NA
2,4-Dichlorophenol	10	330									NA	NA
1,2,4-Trichlorobenzene	10	330	S	S	S	S					NA	NA
Naphthalene	10	330									NA	NA
4-Chloroaniline	10	330									NA	NA
Hexachlorobutadiene	10	330									NA	NA

ERM-Midwest Sample Number			FI-45-LTMS	FI-45-LTMSD	FI-45-UTMS	FI-45-UTMSD	FI-47-LT	FI-47-UT	FI-48-LT	FI-48-UT	FI-48F-LT	FI-48F-UT
Remarks												
Percent Lipids			2.7	2.7	0.26	0.26	4.6	0.14	5.7	0.10	1.6	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330	S	S	S	S					NA	NA
2-Methylnaphthalene	10	330									NA	NA
Hexachlorocyclopentadiene	10	330									NA	NA
2,4,6-Trichlorophenol	10	330									NA	NA
2,4,5-Trichlorophenol	50	1650									NA	NA
2-Chloronaphthalene	10	330									NA	NA
2-Nitroaniline	50	1650									NA	NA
Dimethyl Phthalate	10	330									NA	NA
Acenaphthylene	10	330									NA	NA
3-Nitroaniline	50	1650									NA	NA
Acenaphthene	10	330	S	S	S	S					NA	NA
2,4-Dinitrophenol	50	1650									NA	NA
4-Nitrophenol	50	1650	S	S	S	S					NA	NA
Dibenzofuran	10	330									NA	NA
2,4-Dinitrotoluene	10	330	S	S	S	S					NA	NA
2,6-Dinitrotoluene	10	330									NA	NA
Diethylphthalate	10	330			8600 U						NA	NA
4-Chlorophenyl-phenylether	10	330									NA	NA
Fluorene	10	330									NA	NA
4-Nitroaniline	50	1650									NA	NA
4,6-Dinitro-2-Methylphenol	50	1650									NA	NA
N-Nitrosodiphenylamine (1)	10	330									NA	NA
4-Bromophenyl-phenylether	10	330									NA	NA
Hexachlorobenzene	10	330									NA	NA
Pentachlorophenol	10	330	S	S	S	S					NA	NA

ERM-Midwest Sample Number			FI-45-LTMS	FI-45-LTMSD	FI-45-UTMS	FI-45-UTMSD	FI-47-LT	FI-47-UT	FI-48-LT	FI-48-UT	FI-48F-LT	FI-48F-UT
Remarks												
Percent Lipids			2.7	2.7	0.26	0.26	4.6	0.14	5.7	0.10	1.6	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330									NA	NA
Anthracene	10	330									NA	NA
Di-n-Butylphthalate	10	330									NA	NA
Fluoranthene	10	330									NA	NA
Pyrene	10	330	S	S	S	S					NA	NA
Butylbenzylphthalate	10	330									NA	NA
3,3'-Dichlorobenzidine	20	660									NA	NA
Benzo(a)Anthracene	10	330									NA	NA
Chrysene	10	330									NA	NA
bis(2-Ethylhexyl)Phthalate	10	330									NA	NA
Di-n-Octyl Phthalate	10	330									NA	NA
Benzo(b)Fluoranthene	10	330									NA	NA
Benzo(k)Fluoranthene	10	330									NA	NA
Benzo(a)Pyrene	10	330									NA	NA
Indeno(1,2,3-cd)Pyrene	10	330									NA	NA
Dibenzo(a,h)Anthracene	10	330									NA	NA
Benzo(g,h,i)Perylene	10	330									NA	NA
Diphenylsulfone	10	330	S	S	S	S			NA	NA	NA	NA
3,4-Dichloronitrobenzene	10	330	S	S	S	S			NA	NA	NA	NA
Quantitation Limit Multiplier			24.2	24.5	26.1	25.5	36.4	12.4	60.6	9.70	NA	NA
Date Sample Received by Laboratory			05/15/90	05/15/90	05/15/90	05/15/90	05/14/90	05/14/90	05/12/90	05/12/90	NA	NA
Date Sample Extracted			07/14/90	07/14/90	07/14/90	07/14/90	07/13/90	07/13/90	07/13/90	07/13/90	NA	NA
Date of Sample Analysis			8/20/90	8/20/90	8/16/90	8/20/90	08/13/90	08/11/90	08/16/90	08/16/90	NA	NA
Instrument Used for Analysis			GCMSS1	GCMSS1	GCMSS1	GCMSS1	GCMSS6	GCMSS6	GCMSS6	GCMSS6	NA	NA

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ERM-Midwest Sample Number			FI-45-LTMS	FI-45-LTMSD	FI-45-UTMS	FI-45-UTMSD	FI-47-LT	FI-47-UT	FI-48-LT	FI-48-UT	FI-48F-LT	FI-48F-UT
Remarks												
Percent Lipids			2.7	2.7	0.26	0.26	4.6	0.14	5.7	0.10	1.6	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (SOL)										
alpha-BHC	0.05	8.0						R	UL	R	R	UL
beta-BHC	0.05	8.0						R	UL	R	R	UL
delta-BHC	0.05	8.0						R	UL	R	R	UL
gamma-BHC (Lindane)	0.05	8.0	S	S	S	S		R	UL	R	R	UL
Heptachlor	0 05	8.0	S	S	S	S		R	UL	R	R	UL
Aldrin	0.05	8.0	S	S	S	S		R	UL	R	R	UL
Heptachlor epoxide	0.05	8.0						R	R	R	R	R
Endosulfan I	0.05	8 0						R	R	R	R	R
Dieldrin	0.10	16.0	S	S	S	S		R	R	R	R	R
4,4'-DDE	0.10	16.0						R	UL	R	R	UL
Endrin	0.10	16.0	S	S	S	S		R	UL	R	R	UL
Endosulfan II	0.10	16.0						R	R	R	R	R
4,4'-DDD	0.10	16.0						R	UL	R	R	UL
Endosulfan sulfate	0.10	16.0						R	UL	R	R	UL
4,4'-DDT	0.10	16.0	S	S	S	S		R	R	R	R	R
Methoxychlor	0.50	80						R	R	R	R	R
Endrin ketone	0.10	16.0						R	UL	R	R	UL
alpha-Chlordane	0.10	80						R	UL	R	R	UL
gamma-Chlordane	0.10	80						R	UL	R	R	UL
Toxaphene	1.0	160						R	UL	R	R	UL

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ERM-Midwest Sample Number			FI-45-LTMS	FI-45-LTMSD	FI-45-UTMS	FI-45-UTMSD	FI-47-LT	FI-47-UT	FI-48-LT	FI-48-UT	FI-48F-LT	FI-48F-UT
Remarks												
Percent Lipids			2.7	2.7	0.26	0.26	4.6	0.14	5.7	0.10	1.6	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (SOL)										
Aroclor-1016	0.5	80						R	UL	R	R	UL
Aroclor-1221	0.5	80						R	UL	R	R	UL
Aroclor-1232	0.5	80						R	UL	R	R	UL
Aroclor-1242	0.5	80						R	UL	R	R	UL
Aroclor-1248	0.5	80						R	UL	R	R	UL
Aroclor-1254	1.0	160	590	450	2400	280		R	UL	R	R	UL
Aroclor-1260	1.0	160					220 J	54 J	UL	R	R	UL
Quantitation Limit Multiplier			1.01	1.01	1.0	1.0	0.91	0.96	1.00	0.98	1.00	0.95
Date Sample Received by Laboratory			05/15/90	05/15/90	05/15/90	05/15/90	05/14/90	05/14/90	5/12/90	5/12/90	5/12/90	5/12/90
Date Sample Extracted			05/24/90	05/24/90	05/24/90	05/24/90	05/24/90	05/24/90	5/22/90	5/22/90	5/22/90	5/22/90
Date of Sample Analysis			06/20/90	06/20/90	06/20/90	06/20/90	06/18/90	06/18/90	6/18/90	6/18/90	6/18/90	6/18/90

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ERM-Midwest Sample Number			FI-45-LTMS	FI-45-LTMSD	FI-45-UTMS	FI-45-UTMSD	FI-47-LT	FI-47-UT	FI-48-LT	FI-48-UT	FI-48F-LT	FI-48F-UT
Remarks												
Percent Lipids			2.7	2.7	0.26	0.26	4.6	0.14	5.7	0.10	1.6	
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Quantitation Limit	Quantitation Limit (SOL)										
Kepone	0.132	194	S	S	S	S						
Photomirex	0.0474	15.9	S	S	S	S			2.70 J		0.350 J	
Mirex	0.00544	25.2	S	S	S	S	9.80 J	17.8 J	41.0	10.8 J	9.90 J	13 6 J
Reporting Limit Multiplier			0.97	0.97	0.97	0.97	0.94	0.96	1.0	1.0	1.0	1.0
Date Received by Laboratory			05/15/90	05/15/90	05/15/90	05/15/90	05/14/90	05/14/90	05/12/90	05/12/90	05/12/90	05/12/90
Date Sample Extracted			05/25/90	05/25/90	05/25/90	05/25/90	05/23/90	05/23/90	05/22/90	05/22/90	05/22/90	05/22/90
Date of Sample Analysis			07/08/90	07/08/90	07/08/90	07/08/90	07/03/90	07/03/90	08/08/90	08/02/90	08/02/90	08/02/90
Instrument Used for Analysis			GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS3	GCMSS3	GCMSS3	GCMSS3

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ERM-Midwest Sample Number			FI-49-LT	FI-49-UT	FI-50-LT	FI-50-UT	FI-51-LT	FI-51-UT	FI-52-LT	FI-52-UT
Remarks										
Percent Lipids			2.4	0.14	2.1	1.9	0.13	0.26	4.4	0.099
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (SOL)								
Phenol	10	330		R	R	R			R	R
bis(2-Chloroethyl)Ether	10	330		UL	UL					
2-Chlorophenol	10	330		R	R	R			R	R
1,3-Dichlorobenzene	10	330		UL	UL					
1,4-Dichlorobenzene	10	330		UL	UL					
Benzyl Alcohol	10	330		UL	UL					
1,2-Dichlorobenzene	10	330		UL	UL					
2-Methylphenol	10	330		R	R	R			R	R
bis(2-Chloroisopropyl)Ether	10	330		UL	UL					
4-Methylphenol	10	330		R	R	R			R	R
N-Nitroso-Di-n-Propylamine	10	330		UL	UL					
Hexachloroethane	10	330		UL	UL					
Nitrobenzene	10	330		UL	UL					
Isophorone	10	330		UL	UL					
2-Nitrophenol	10	330		R	R	R			R	R
2,4-Dimethylphenol	10	330		R	R	R			R	R
Benzoic Acid	50	1650		R	R	R			R	58 J
bis(2-Chloroethoxy)Methane	10	330		UL	UL					
2,4-Dichlorophenol	10	330		R	R	R			R	R
1,2,4-Trichlorobenzene	10	330		UL	UL					
Naphthalene	10	330		UL	UL					
4-Chloroaniline	10	330		UL	UL					
Hexachlorobutadiene	10	330		UL	UL					

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ERM-Midwest Sample Number			FI-49-LT	FI-49-UT	FI-50-LT	FI-50-UT	FI-51-LT	FI-51-UT	FI-52-LT	FI-52-UT
Remarks										
Percent Lipids			2.4	0.14	2.1	1.9	0.13	0.26	4.4	0.099
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
4-Chloro-3-Methylphenol	10	330		R	R	R			R	R
2-Methylnaphthalene	10	330		UL	UL					
Hexachlorocyclopentadiene	10	330		UL	UL					
2,4,6-Trichlorophenol	10	330		R	R	R			R	R
2,4,5-Trichlorophenol	50	1650		R	R	R			R	R
2-Chloronaphthalene	10	330		UL	UL					
2-Nitroaniline	50	1650		UL	UL					
Dimethyl Phthalate	10	330		UL	UL					
Acenaphthylene	10	330		UL	UL					
3-Nitroaniline	50	1650		UL	UL					
Acenaphthene	10	330		UL	UL					
2,4-Dinitrophenol	50	1650		R	R	R			R	R
4-Nitrophenol	50	1650		R	R	R			R	R
Dibenzofuran	10	330		UL	UL					
2,4-Dinitrotoluene	10	330		UL	UL					
2,6-Dinitrotoluene	10	330		UL	UL					
Diethylphthalate	10	330		UL	UL					
4-Chlorophenyl-phenylether	10	330		UL	UL					
Fluorene	10	330		UL	UL					
4-Nitroaniline	50	1650		UL	UL					
4,6-Dinitro-2-Methylphenol	50	1650		R	R	R			R	R
N-Nitrosodiphenylamine (1)	10	330		UL	UL					
4-Bromophenyl-phenylether	10	330		UL	UL					
Hexachlorobenzene	10	330		UL	UL					
Pentachlorophenol	10	330		UL	UL	R			R	R

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ERM-Midwest Sample Number			FI-49-LT	FI-49-UT	FI-50-LT	FI-50-UT	FI-51-LT	FI-51-UT	FI-52-LT	FI-52-UT
Remarks										
Percent Lipids			2.4	0.14	2.1	1.9	0.13	0.26	4.4	0.099
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenanthrene	10	330		R	R					
Anthracene	10	330		UL	UL					
Di-n-Butylphthalate	10	330		UL	UL					
Fluoranthene	10	330		UL	UL					
Pyrene	10	330		UL	UL					
Butylbenzylphthalate	10	330		UL	UL					360 J
3,3'-Dichlorobenzidine	20	660		UL	UL					
Benzo(a)Anthracene	10	330		UL	UL					
Chrysene	10	330		UL	UL					
bis(2-Ethylhexyl)Phthalate	10	330		UL	UL				1800 U	400 U
Di-n-Octyl Phthalate	10	330		UL	UL				UL	
Benzo(b)Fluoranthene	10	330		UL	UL				UL	
Benzo(k)Fluoranthene	10	330		UL	UL				UL	
Benzo(a)Pyrene	10	330		UL	UL				UL	
Indeno(1,2,3-cd)Pyrene	10	330		UL	UL				UL	
Dibenzo(a,h)Anthracene	10	330		UL	UL				UL	
Benzo(g,h,i)Perylene	10	330		UL	UL				UL	
Diphenylsulfone	10	330		UL	UL		NA	NA	UL	
3,4-Dichloronitrobenzene	10	330		NA	NA		NA	NA	NA	NA
Quantitation Limit Multiplier			48.5	23.0	23.0	12.1	29.4	24.8	5.45	1.21
Date Sample Received by Laboratory			05/14/90	05/14/90	05/14/90	05/14/90	05/12/90	05/12/90	05/11/90	05/11/90
Date Sample Extracted			07/13/90	06/21/90	06/21/90	07/13/90	07/13/90	07/13/90	05/19/90	05/19/90
Date of Sample Analysis			08/11/90	07/20/90	07/20/90	08/11/90	08/16/90	08/16/90	06/22/90	06/22/90
Instrument Used for Analysis			GCMSS6	GCMSS1	GCMSS1	GCMSS6	GCMSS6	GCMSS6	GCMSS4	GCMSS4

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ERM-Midwest Sample Number			FI-49-LT	FI-49-UT	FI-50-LT	FI-50-UT	FI-51-LT	FI-51-UT	FI-52-LT	FI-52-UT
Remarks										
Percent Lipids			2.4	0.14	2.1	1.9	0.13	0.26	4.4	0.099
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	Quantitation Limit (Aq)	Quantitation Limit (SOL)								
alpha-BHC	0.05	8.0	R		UL					
beta-BHC	0.05	8.0	R		UL					
delta-BHC	0.05	8.0	R		UL					
gamma-BHC (Lindane)	0.05	8.0	R		UL					
Heptachlor	0.05	8.0	R		UL					
Aldrin	0.05	8.0	R		UL					
Heptachlor epoxide	0.05	8.0	R		UL		R	R		
Endosulfan I	0.05	8.0	R		UL		R	R		
Dieldrin	0.10	16.0	R		UL		R	R		
4,4'-DDE	0.10	16.0	R		23 J				22	
Endrin	0.10	16.0	R		UL					13 J
Endosulfan II	0.10	16.0	R		UL		R	R		
4,4'-DDD	0.10	16.0	R		UL					
Endosulfan sulfate	0.10	16.0	R		UL					
4,4'-DDT	0.10	16.0	R		UL		R	R		
Methoxychlor	0.50	80	R		UL		R	R		
Endrin ketone	0.10	16.0	R		UL					
alpha-Chlordane	0.10	80	R		UL					
gamma-Chlordane	0.10	80	R		UL					
Toxaphene	1.0	160	R		UL					

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ERM-Midwest Sample Number			FI-49-LT	FI-49-UT	FI-50-LT	FI-50-UT	FI-51-LT	FI-51-UT	FI-52-LT	FI-52-UT
Remarks										
Percent Lipids			2.4	0.14	2.1	1.9	0.13	0.26	4.4	0.099
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PCBs	Quantitation Limit (Aq)	Quantitation Limit (SOL)								
Aroclor-1016	0.5	80	R		UL					
Aroclor-1221	0.5	80	R		UL					
Aroclor-1232	0.5	80	R		UL					
Aroclor-1242	0.5	80	R		UL					
Aroclor-1248	0.5	80	R		UL					
Aroclor-1254	1.0	160	R		UL					
Aroclor-1260	1.0	160	R		340 J				280	
Quantitation Limit Multiplier			0.94	1.00	1.00	0.98	1.01	1.00	1.00	1.00
Date Sample Received by Laboratory			05/14/90	05/11/90	05/11/90	05/14/90	5/12/90	5/12/90	05/11/90	05/11/90
Date Sample Extracted			05/24/90	01/18/91	01/18/91	05/24/90	5/22/90	5/22/90	01/18/91	01/18/91
Date of Sample Analysis			06/18/90	02/05/91	02/04/91	06/18/90	6/18/90	6/18/90	02/04/91	02/04/91

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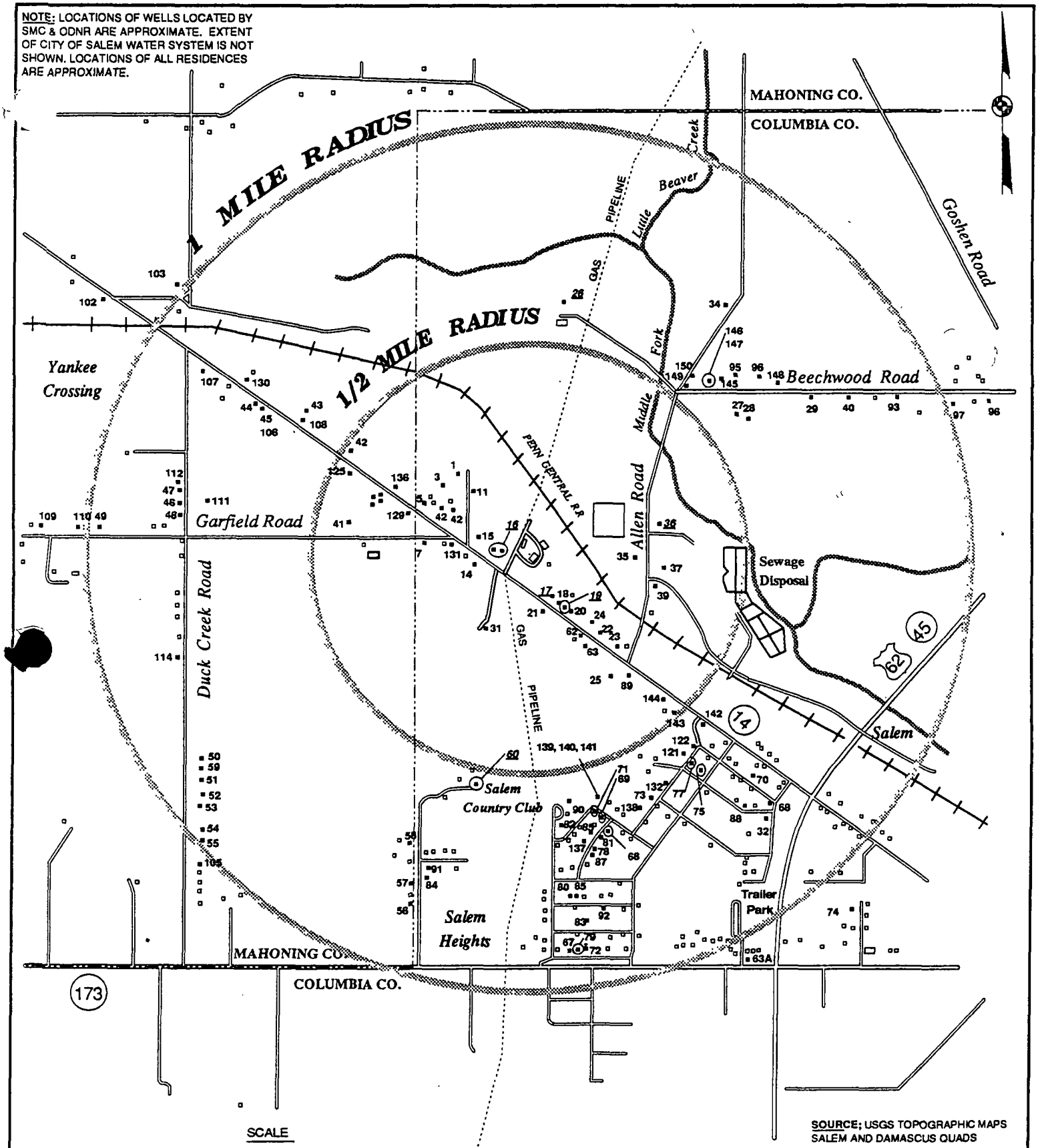
ERM-Midwest Sample Number			FI-49-LT	FI-49-UT	FI-50-LT	FI-50-UT	FI-51-LT	FI-51-UT	FI-52-LT	FI-52-UT
Remarks										
Percent Lipids			2.4	0.14	2.1	1.9	0.13	0.26	4.4	0.099
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS	Quantitation Limit	Quantitation Limit (SOL)								
Kepone	0.132	194								
Photomirex	0.0474	15.9					2.30 J		4.54 J	
Mirex	0.00544	25.2	42.0		18.6 J		21.2 J	6.90 J	65.5	13.6 J
Reporting Limit Multiplier			0.95	0.99	0.97	0.98	0.99	1.0	0.98	0.99
Date Received by Laboratory			05/14/90	05/14/90	05/14/90	05/14/90	05/12/90	05/12/90	05/11/90	05/11/90
Date Sample Extracted			05/23/90	05/23/90	05/23/90	05/23/90	05/22/90	05/22/90	07/21/90	07/21/90
Date of Sample Analysis			07/02/90	07/02/90	07/02/90	07/02/90	08/02/90	08/02/90	08/03/90	08/03/90
Instrument Used for Analysis			GCMSS2	GCMSS2	GCMSS2	GCMSS2	GCMSS3	GCMSS3	GCMSS2	GCMSS2

RESIDENTIAL WELLS

- 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).
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.


NOTE: LOCATIONS OF WELLS LOCATED BY SMC & ODNR ARE APPROXIMATE. EXTENT OF CITY OF SALEM WATER SYSTEM IS NOT SHOWN. LOCATIONS OF ALL RESIDENCES ARE APPROXIMATE.
1 MILE RADIUS
1/2 MILE RADIUS
MAHONING CO.
COLUMBIA CO.
Yankee Crossing
Garfield Road
Duck Creek Road
Beechwood Road
Goshen Road
Allen Road
Middle Fork
Little Beaver Creek
PENN CENTRAL RR
GAS PIPELINE
Sewage Disposal
Salem
Salem Country Club
Salem Heights
Trailer Park
MAHONING CO.
COLUMBIA CO.
173
14
45
62
SCALE
2000' 1000' 0 2000 FT.
LEGEND
54 ERM ASSIGNED I.D. NUMBER
(IN ITALIC AND UNDERLINED IF SAMPLED)
RESIDENCE IDENTIFIED IN RESIDENTIAL WELL SURVEY
SOURCE: USGS TOPOGRAPHIC MAPS SALEM AND DAMASCUS QUADS
WATER SUPPLY FOR RESIDENCES WITHIN 1 MILE OF RUETGERS-NEASE RI/FS SITE
FIGURE
2-17
ERM-Midwest, inc.
Environmental Resources Management
PROJECT\202-01\-07\RESINDEN.DRW
J-202-01-07

RESIDENTIAL WELL SAMPLES

EXTRACTABLE ORGANIC ANALYSES - ANALYTICAL RESULTS

ERM-Midwest Sample Number	RNS-	GR-01	GR-02	GR-03-107	GR-04	GR-05	GR-05 MS	GR-05 MSD	GR-07	GR-07-109	GR-08	GR-09-202
Remarks		Moore	Slanker/ Sox	Field Blank	Koran	Dunlap			Country Club	Field Blank	Liebert	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
VOLATILE COMPOUNDS	Quantitation Limit											
Chloromethane	1.5											
Bromomethane	1.5											
Vinyl Chloride	1.5											
Chloroethane	1.5											
Methylene Chloride	1.0		1.0 U	9.0	3 U	520 U	700 U	870 U	2.0 U	2.0	3 U	4.0
Acetone	5.0											
Carbon Disulfide	1.5											
1,1-Dichloroethene	1.5						S	S				
1,1-Dichloroethane	1.5											
1,2-Dichloroethene (total)	1.5					3800	3200	3600				
Chloroform	1.5											
1,2-Dichloroethane	1.5											
2-Butanone	5.0											
1,1,1-Trichloroethane	1.5											
Carbon Tetrachloride	1.5											
Vinyl Acetate	5.0											
Bromodichloromethane	1.5											
1,1,2,2-Tetrachloroethane	1.5											
1,2-Dichloropropane	1.5											
trans-1,3-Dichloropropene	2.0											
Trichloroethene	1.5						S	S				
Dibromochloromethane	1.5											
1,1,2-Trichloroethane	1.5											

RESIDENTIAL WELL SAMPLES

EXTRACTABLE ORGANIC ANALYSES - ANALYTICAL RESULTS

ERM-Midwest Sample Number	RNS-	GR-01	GR-02	GR-03-107	GR-04	GR-05	GR-05 MS	GR-05 MSD	GR-07	GR-07-109	GR-08	GR-09-202
Remarks		Moore	Slanker/ Sox	Field Blank	Koran	Dunlap			Country Club	Field Blank	Liebert	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
cis-1,3-Dichloropropene	1.0					210	S	S				
Bromoform	1.5											
2-Hexanone	5.0											
4-Methyl-2-Pentanone	3.0											
Tetrachloroethene	1.5											
Toluene	1.5											
Chlorobenzene	1.5						S	S				
Ethylbenzene	1.5						S	S				
Styrene	1.0											
Xylenes (total)	2.0											
Quantitation Limit Multiplier		1.0	1.0						1.0	1.0		
Date Sample Received by Laboratory		4/25/90	4/25/90	1 0	1 0	100	100	100	4/25/90	4/25/90	1.0	1 0
Date of Sample Analysis		5/2/90	5/2/90	5/10/90	5/10/90	5/10/90	5/10/90	5/10/90	5/2/90	5/2/90	5/10/90	5/10/90
Instrument Used for Analysis		V4	V4	5/16/90	5/16/90	5/16/90	5/16/90	5/16/90	V4	V4	5/16/90	5/16/90

RESIDENTIAL WELL SAMPLES

EXTRACTABLE ORGANIC ANALYSES - ANALYTICAL RESULTS

ERM-Midwest Sample Number		RNS-	GR-01	GR-02	GR-03-107	GR-04	GR-05	GR-05 MS	GR-05 MSD	GR-07	GR-07-109	GR-08	GR-09-202
Remarks			Moore	Slanker/ Sox	Field Blank	Koran	Dunlap			Country Club	Field Blank	Liebert	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
SEMIVOLATILE COMPOUNDS	Quantitation Limit												
Phenol	2.0						1.2 J	S	S				NA
bis(2-Chloroethyl)Ether	1.5												NA
2-Chlorophenol	1.5							S	S				NA
1,3-Dichlorobenzene	1.5												NA
1,4-Dichlorobenzene	1.5							S	S				NA
Benzyl Alcohol	2.0												NA
1,2-Dichlorobenzene	2.5					1.2 J	270 J	250 J	260 J				NA
2-Methylphenol	1.0												NA
bis(2-Chloroisopropyl)ether	2.5												NA
4-Methylphenol	1.0												NA
N-Nitroso-Di-n-Propylamine	1.5							S	S				NA
Hexachloroethane	2.0												NA
Nitrobenzene	2.5												NA
Isophorone	2.5												NA
2-Nitrophenol	2.0												NA
2,4-Dimethylphenol	2.0												NA
Benzoic Acid	25												NA
bis(2-Chloroethoxy)Methane	2.5												NA
2,4-Dichlorophenol	2.0												NA
1,2,4-Trichlorobenzene	2.0							S	S				NA
Naphthalene	2.0												NA
4-Chloroaniline	3.3												NA
Hexachlorobutadiene	2.5												NA

RESIDENTIAL WELL SAMPLES

EXTRACTABLE ORGANIC ANALYSES - ANALYTICAL RESULTS

ERM-Midwest Sample Number	RNS-	GR-01	GR-02	GR-03-107	GR-04	GR-05	GR-05 MS	GR-05 MSD	GR-07	GR-07-109	GR-08	GR-09-202
Remarks		Moore	Slanker/ Sox	Field Blank	Koran .	Dunlap			Country Club	Field Blank	Liebert	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
4-Chloro-3-Methylphenol	1.5						S	S				NA
Hexachlorocyclopentadiene	2.0											NA
2,4,6-Trichlorophenol	4.7											NA
2,4,5-Trichlorophenol	1.5											NA
2-Chloronaphthalene	1.5											NA
2-Nitroaniline	10											NA
Dimethyl Phthalate	1.5											NA
Acenaphthylene	1.5											NA
3-Nitroaniline	12.2											NA
Acenaphthene	1.5											NA
2,4-Dinitrophenol	23						S	S				NA
4-Nitrophenol	15											NA
Dibenzofuran	1.0						S	S				NA
2,4-Dinitrotoluene	1.0											NA
2,6-Dinitrotoluene	1.0						S	S				NA
Diethylphthalate	1.0											NA
4-Chlorophenyl-phenylether	1.6											NA
Fluorene	1.0											NA
4-Nitroaniline	20											NA
4,6-Dinitro-2-Methylphenol	15											NA
N-Nitrosodiphenylamine	1.5											NA
4-Bromophenyl-phenylether	1.5											NA
Hexachlorobenzene	1.5											NA
Pentachlorophenol	2.0											NA

RESIDENTIAL WELL SAMPLES

EXTRACTABLE ORGANIC ANALYSES - ANALYTICAL RESULTS

ERM-Midwest Sample Number	RNS-	GR-01	GR-02	GR-03-107	GR-04	GR-05	GR-05 MS	GR-05 MSD	GR-07	GR-07-109	GR-08	GR-09-202
Remarks		Moore	Slanker/ Sox	Field Blank	Koran	Dunlap			Country Club	Field Blank	Liebert	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
Phenanthrene	1.0						S	S				NA
Anthracene	2.5											NA
Di-n-Butylphthalate	2.0											NA
Fluoranthene	1.5											NA
Pyrene	1.5											NA
Butylbenzylphthalate	3.5						S	S				NA
3,3'-Dichlorobenzidine	20											NA
Benzo(a)Anthracene	1.5											NA
Chrysene	1.5											NA
bis(2-Ethylhexyl)phthalate	1.0										130 J/130 J	NA
Di-n-Octyl phthalate	1.0										/UL	NA
Benzo(b)Fluoranthene	1.5										/UL	NA
Benzo(k)Fluoranthene	1.5										/UL	NA
Benzo(a)Pyrene	2.0										/UL	NA
Indeno(1,2,3-cd)Pyrene	3.5										/UL	NA
Dibenzo(a,h)Anthracene	2.5										/UL	NA
Benzo(g,h,i)Perylene	4.0										/UL	NA
Diphenyl Sulfone	4.0				1.4 J	340 J	S	S				NA
Quantitation Limit Multiplier		1.0	1.0	1.0	1.0	1.00	1.00	1.00	1.0	1.0	1.0/3.0	NA
Date Sample Received by Laboratory		4/24/90	4/24/90	4/24/90	4/24/90	5/10/90	5/10/90	5/10/90	4/25/90	05/22/90	4/25/90	NA
Date Sample Extracted		4/24/90	4/24/90	4/24/90	4/24/90	5/14/90	5/14/90	5/14/90	4/26/90	05/23/90	4/26/90	NA
Date of Sample Analysis		5/5/90	5/5/90	5/5/90	5/5/90	5/18/90	5/18/90	5/18/90	5/18/90	05/28/90	5/18 & 5/20	NA
Instrument Used for Analysis		S6	S6	S6	S6				S6	GCMSS6	S6	NA

RESIDENTIAL WELL SAMPLES

EXTRACTABLE ORGANIC ANALYSES - ANALYTICAL RESULTS

ERM-Midwest Sample Number RNS-	GR-01	GR-02	GR-03-107	GR-04	GR-05	GR-05 MS	GR-05 MSD	GR-07	GR-07-109	GR-08	GR-09-202
Remarks	Moore	Slanker/ Sox	Field Blank	Koran	Dunlap			Country Club	Field Blank	Liebert	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
TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTRATIONS											
SEMIVOLATILE COMPONENTS	-	-	-	-		NA	NA	-	-	-	NA
3-(Trifluoromethyl)-benzeneamine					48 J	NA	NA				NA
1,2-Dimethoxyethylbenzene					82 J	NA	NA				NA
Benzene sulfonamide					131 J	NA	NA				NA

RESIDENTIAL WELL SAMPLES

EXTRACTABLE ORGANIC ANALYSES - ANALYTICAL RESULTS

ERM-Midwest Sample Number	RNS-	GR-01	GR-02	GR-03-107	GR-04	GR-05	GR-05 MS	GR-05 MSD	GR-07	GR-07-109	GR-08	GR-09-202
Remarks		Moore	Slanker/ Sox	Field Blank	Koran	Dunlap			Country Club	Field Blank	Liebert	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	Quantitation Limit											
Alpha-BHC	0.01											NA
Beta-BHC	0.005											NA
Delta-BHC	0.005											NA
Gamma-BHC (Lindane)	0.005						S	S				NA
Heptachlor	0.03						S	S				NA
Aldrin	0.005						S	S				NA
Heptachlor Epoxide	0.005											NA
Endosulfan I	0.01											NA
Dieldrin	0.01						S	S				NA
4,4'-DDE	0.005											NA
Endrin	0.01						S	S				NA
Endosulfan II	0.01											NA
4,4'-DDD	0.02											NA
Endosulfan Sulfate	0.10											NA
4,4'-DDT	0.02						S	S				NA
Methoxychlor	0.04											NA
Endrin Ketone	0.03											NA
alpha-Chlordane	0.02											NA
gamma-Chlordane	0.02											NA
Toxaphene	0.25											NA

RESIDENTIAL WELL SAMPLES

EXTRACTABLE ORGANIC ANALYSES - ANALYTICAL RESULTS

ERM-Midwest Sample Number	RNS-	GR-01	GR-02	GR-03-107	GR-04	GR-05	GR-05 MS	GR-05 MSD	GR-07	GR-07-109	GR-08	GR-09-202
Remarks		Moore	Slanker/ Sox	Field Blank	Koran	Dunlap			Country Club	Field Blank	Liebert	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
PCBs	Quantitation Limit											
Aroclor-1016	0.10											NA
Aroclor-1221	0.10											NA
Aroclor-1232	0.10											NA
Aroclor-1242	0.10											NA
Aroclor-1248	0.10											NA
Aroclor-1254	0.10											NA
Aroclor-1260	0.10											NA
Quantitation Limit Multiplier		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	NA
Date Sample Received by Laboratory		4/24/90	4/24/90	4/24/90	4/24/90	4/24/90	4/24/90	4/24/90	4/25/90	4/25/90	4/25/90	NA
Date Sample Extracted		4/25/90	4/25/90	4/25/90	4/25/90	4/25/90	4/25/90	4/25/90	4/25/90	4/25/90	4/25/90	NA
Date of Sample Analysis		5/24/90	5/24/90	5/24/90	5/24/90	5/24/90	6/3/90	5/24/90	5/22/90	5/22/90	5/22/90	NA
Instrument Used for Analysis		HP5890	HP5890	HP5890	HP5890	HP5890	HP5890	HP5890	HP5890	HP5890	HP5890	NA

RESIDENTIAL WELL SAMPLES

EXTRACTABLE ORGANIC ANALYSES - ANALYTICAL RESULTS

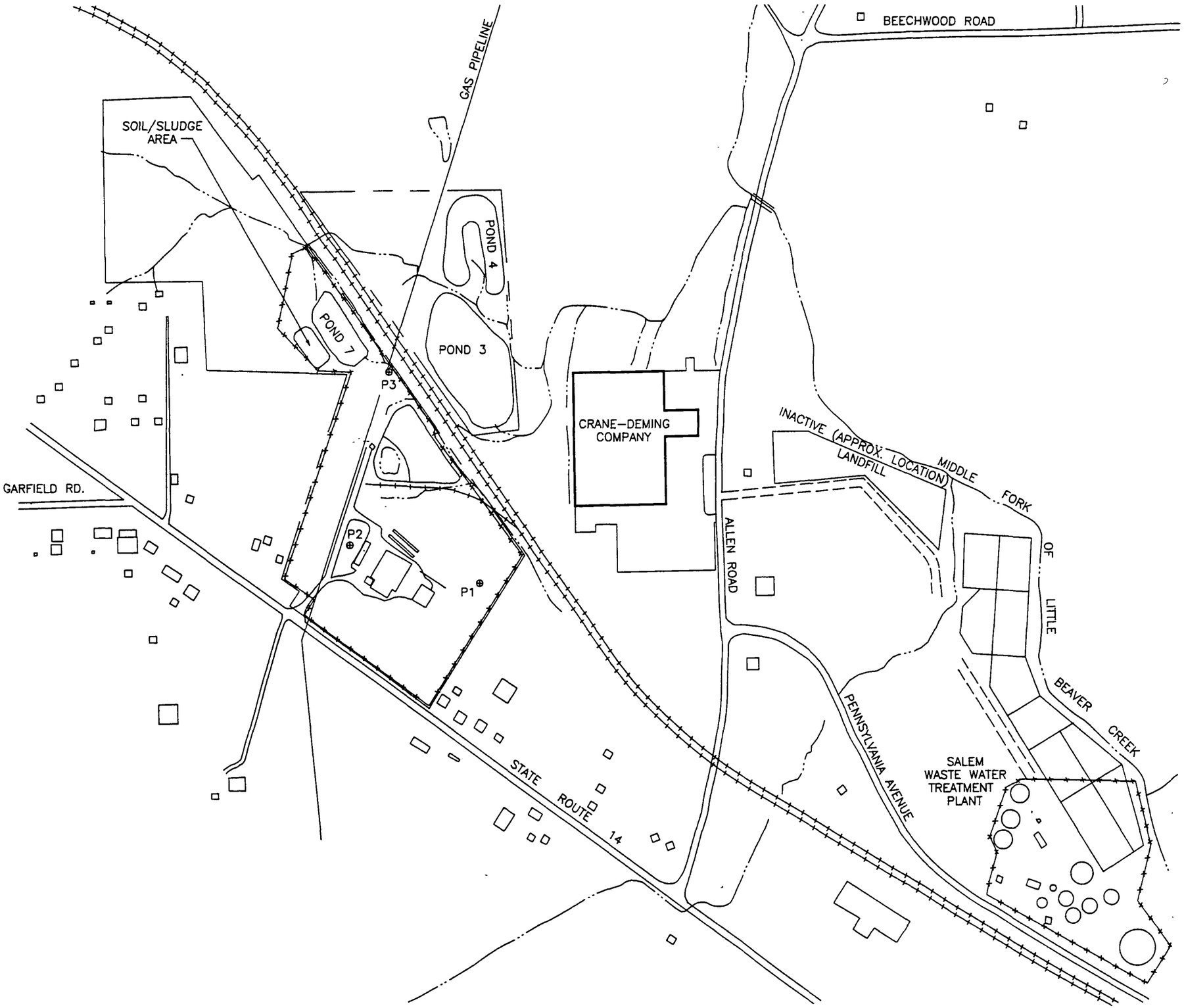
ERM-Midwest Sample Number	RNS-	GR-01	GR-02	GR-03-107	GR-04	GR-05	GR-05 MS	GR-05 MSD	GR-07	GR-07-109	GR-08	GR-09-202
Remarks		Moore	Slanker/ Sox	Field Blank	Koran	Dunlap			Country Club	Field Blank	Liebert	Trip Blank
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUNDS	Quantitation Limits											
Kepone	0.132						S	S				NA
Photomirex	0.0474						S	S				NA
Mirex	0.00544						S	S				NA
Date Sample Received by Laboratory		4/24/90	4/24/90	4/24/90	4/24/90	4/24/90	4/24/90	4/24/90	4/25/90	4/25/90	4/25/90	NA
Date Sample Extracted		4/25/90	4/25/90	4/25/90	4/25/90	4/25/90	4/25/90	4/25/90	4/25/90	4/25/90	4/25/90	NA
Date of Sample Analysis		5/28/90	5/28/90	5/29/90	5/28/90	5/28/90	5/29/90	5/29/90	5/22/90	5/22/90	5/22/90	NA
Instrument Used for Analysis		GCMS-S3	GCMS-S3	GCMS-S3	GCMS-S3	GCMS-S3	GCMS-S3	GCMS-S3	GCMS-S3	GCMS-S3	GCMS-S3	NA

PRODUCTION WELL - STANDING WATER

- VOLATILE COMPOUNDS
- SEMIVOLATILE 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).
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.



PRODUCTION WELL LOCATION MAP
RUETGERS–NEASE SALEM, OHIO RI/FS

FIGURE 2–19

ERM-Midwest, inc.
Environmental Resources Management

PRODUCTION WELL STANDING WATER SAMPLES

ERM-Midwest Sample Number		GW-01-100	GW-01-194	GW-01-200	GW-01-60	GW-01-MS	GW-01-MSD	GW-02-101	GW-02-142	GW-02-201	GW-02-60
Remarks		Field Blank		Trip Blank				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
VOLATILE COMPOUNDS	Quantitation Limit (Aq)										
Chloromethane	10		2.0 J			2.0 J	3.0 J		3.0 J		
Bromomethane	10										
Vinyl Chloride	10										
Chloroethane	10										
Methylene Chloride	5.0	10	10 U	10	9 U	10 U	6 U	2.0 J	5.0 U	5.0	5.0 U
Acetone	10				36 J						
Carbon Disulfide	5.0										
1,1-Dichloroethene	5.0					S	S				
1,1-Dichloroethane	5.0										
1,2-Dichloroethene (total)	5.0										
Chloroform	5.0										
1,2-Dichloroethane	5.0										
2-Butanone	10										
1,1,1-Trichloroethane	5.0										
Carbon Tetrachloride	5.0										
Vinyl Acetate	10										
Bromodichloromethane	5.0										
1,1,2,2-Tetrachloroethane	5.0										
1,2-Dichloropropane	5.0										
trans-1,3-Dichloropropene	5.0										
Trichloroethene	5.0				2.0 J	S	S				
Dibromochloromethane	5.0										
1,1,2-Trichloroethane	5.0										

PRODUCTION WELL STANDING WATER SAMPLES

ERM-Midwest Sample Number		GW-01-100	GW-01-194	GW-01-200	GW-01-60	GW-01-MS	GW-01-MSD	GW-02-101	GW-02-142	GW-02-201	GW-02-60
Remarks		Field Blank		Trip Blank				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
Benzene	5.0		2.0 J			S	S				
cis-1,3-Dichloropropene	5.0										
Bromoform	5.0										
2-Hexanone	10										
4-Methyl-2-Pentanone	10										
Tetrachloroethene	5.0				8.0	8.0	8.0				
Toluene	5.0					S	S				
Chlorobenzene	5.0					S	S				
Ethylbenzene	5.0										
Styrene	5.0										
Xylene (total)	5.0										
Quantitation Limit Multiplier		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Date Sample Received by Laboratory		05/01/90	05/01/90	05/01/90	05/01/90	05/01/90	05/01/90	05/03/90	05/03/90	05/03/90	05/03/90
Date of Sample Analysis		05/10/90	05/10/90	05/10/90	05/10/90	05/10/90	05/10/90	05/12/90	05/11/90	05/12/90	05/11/90
Instrument Used for Analysis		MS-V2	MS-V2	MS-V2	MS-V2	MS-V2	MS-V2	MS-V2	MS-V2	MS-V2	MS-V2
TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concentrations											
VOLATILE COMPONENTS		-		-	-	NA	NA	-	-	-	-
Cyclic hydrocarbon C6H12 isomer			290 J								
Alkane			1300 J								

PRODUCTION WELL STANDING WATER SAMPLES

ERM-Midwest Sample Number		GW-01-100	GW-01-194	GW-01-200	GW-01-60	GW-01-MS	GW-01-MSD	GW-02-101	GW-02-142	GW-02-201	GW-02-60
Remarks		Field Blank		Trip Blank				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
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)										
Phenol	10			NA		S	S			NA	
bis(2-Chloroethyl)Ether	10			NA						NA	
2-Chlorophenol	10			NA		S	S			NA	
1,3-Dichlorobenzene	10			NA						NA	
1,4-Dichlorobenzene	10			NA		S	S			NA	
Benzyl Alcohol	10			NA						NA	
1,2-Dichlorobenzene	10			NA						NA	
2-Methylphenol	10			NA						NA	
bis(2-Chloroisopropyl)Ether	10			NA						NA	
4-Methylphenol	10			NA						NA	
N-Nitroso-Di-n-Propylamine	10			NA		S	S			NA	
Hexachloroethane	10			NA						NA	
Nitrobenzene	10			NA						NA	
Isophorone	10			NA						NA	
2-Nitrophenol	10			NA						NA	
2,4-Dimethylphenol	10			NA						NA	
Benzoic Acid	50			NA						NA	
bis(2-Chloroethoxy)Methane	10			NA						NA	
2,4-Dichlorophenol	10			NA						NA	
1,2,4-Trichlorobenzene	10			NA		S	S			NA	
Naphthalene	10			NA						NA	
4-Chloroaniline	10			NA						NA	
Hexachlorobutadiene	10			NA						NA	

PRODUCTION WELL STANDING WATER SAMPLES

ERM-Midwest Sample Number		GW-01-100	GW-01-194	GW-01-200	GW-01-60	GW-01-MS	GW-01-MSD	GW-02-101	GW-02-142	GW-02-201	GW-02-60
Remarks		Field Blank		Trip Blank				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
4-Chloro-3-Methylphenol	10			NA		S	S			NA	
2-Methylnaphthalene	10			NA						NA	
Hexachlorocyclopentadiene	10			NA						NA	
2,4,6-Trichlorophenol	10			NA						NA	
2,4,5-Trichlorophenol	50			NA						NA	
2-Chloronaphthalene	10			NA						NA	
2-Nitroaniline	50			NA						NA	
Dimethyl Phthalate	10			NA						NA	
Acenaphthylene	10			NA						NA	
3-Nitroaniline	50			NA						NA	
Acenaphthene	10			NA		S	S			NA	
2,4-Dinitrophenol	50			NA						NA	
4-Nitrophenol	50			NA		S	S			NA	
Dibenzofuran	10			NA						NA	
2,4-Dinitrotoluene	10			NA		S	S			NA	
2,6-Dinitrotoluene	10			NA						NA	
Diethylphthalate	10			NA						NA	
4-Chlorophenyl-phenylether	10			NA						NA	
Fluorene	10			NA						NA	
4-Nitroaniline	50			NA						NA	
4,6-Dinitro-2-Methylphenol	50			NA						NA	
N-Nitrosodiphenylamine	10			NA				2.0 J	10 U	NA	10 U
4-Bromophenyl-phenylether	10			NA						NA	
Hexachlorobenzene	10			NA						NA	

PRODUCTION WELL STANDING WATER SAMPLES

ERM-Midwest Sample Number		GW-01-100	GW-01-194	GW-01-200	GW-01-60	GW-01-MS	GW-01-MSD	GW-02-101	GW-02-142	GW-02-201	GW-02-60
Remarks		Field Blank		Trip Blank				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
Pentachlorophenol	10			NA						NA	
Phenanthrene	10			NA		S	S			NA	
Anthracene	10			NA						NA	
Di-n-Butylphthalate	10			NA						NA	
Fluoranthene	10			NA						NA	
Pyrene	10			NA		S	S			NA	
Butylbenzylphthalate	10			NA						NA	
3,3'-Dichlorobenzidine	20			NA						NA	
Benzo(a)Anthracene	10			NA						NA	
Chrysene	10			NA						NA	
bis(2-Ethylhexyl)Phthalate	10	2.0 J		NA		10 U	10 U	3.0 J	2.0 J	NA	
Di-n-Octyl Phthalate	10			NA						NA	
Benzo(b)Fluoranthene	10			NA						NA	
Benzo(k)Fluoranthene	10			NA						NA	
Benzo(a)Pyrene	10			NA						NA	
Indeno(1,2,3-cd)Pyrene	10			NA						NA	
Dibenzo(a,h)Anthracene	10			NA						NA	
Benzo(g,h,i)Perylene	10			NA						NA	
Diphenyl Sulfone	10		12	NA	1.0 J	S	S	NA	NA	NA	NA
3,4-Dichloronitrobenzene	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Quantitation Limit Multiplier		1.0	1.0	NA	1.0	1.0	1.0	1.0	1.0	NA	1.0
Date Sample Received by Laboratory		05/01/90	05/01/90	NA	05/01/90	05/01/90	05/01/90	05/03/90	05/03/90	NA	05/03/90
Date Sample Extracted		05/03/90	05/03/90	NA	05/03/90	05/03/90	05/03/90	05/07/90	05/07/90	NA	05/07/90
Date of Sample Analysis		05/17/90	05/17/90	NA	05/17/90	05/17/90	05/17/90	05/25/90	05/25/90	NA	05/25/90

PRODUCTION WELL STANDING WATER SAMPLES

ERM-Midwest Sample Number	GW-01-100	GW-01-194	GW-01-200	GW-01-60	GW-01-MS	GW-01-MSD	GW-02-101	GW-02-142	GW-02-201	GW-02-60
Remarks	Field Blank		Trip Blank				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
Instrument Used for Analysis	GCMSS6	GCMSS6	NA	GCMSS6	GCMSS6	GCMSS6	GCMSS1	GCMSS1	NA	GCMSS1
TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concentrations										
SEMIVOLATILE COMPONENTS	-		NA		NA	NA	-		NA	-
Phenol,2,6-bis(1,1-dimethylethyl)-4-methyl-		4.7 J		4.2 J	"					
Benzenesulfonamide		29 J		26 J						
Hexanedioic acid, 2-ethyl-								130 J		

PRODUCTION WELL STANDING WATER SAMPLES

ERM-Midwest Sample Number		GW-01-100	GW-01-194	GW-01-200	GW-01-60	GW-01-MS	GW-01-MSD	GW-02-101	GW-02-142	GW-02-201	GW-02-60
Remarks		Field Blank		Trip Blank				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
PESTICIDES	Quantitation Limit (Aq)										
alpha-BHC	0.05			NA						NA	
beta-BHC	0.05			NA						NA	
delta-BHC	0.05			NA						NA	
gamma-BHC (Lindane)	0.05			NA		S	S			NA	
Heptachlor	0.05			NA		S	S			NA	
Aldrin	0.05			NA	UL	S	S			NA	
Heptachlor epoxide	0.05			NA						NA	
Endosulfan I	0.05			NA						NA	
Dieldrin	0.10			NA		S	S			NA	
4,4'-DDE	0.10			NA						NA	
Endrin	0.10			NA		S	S			NA	
Endosulfan II	0.10			NA						NA	
4,4'-DDD	0.10			NA						NA	
Endosulfan sulfate	0.10			NA						NA	
4,4'-DDT	0.10			NA		S	S			NA	
Methoxychlor	0.50			NA						NA	
Endrin ketone	0.10			NA						NA	
alpha-Chlordane	0.10			NA						NA	
gamma-Chlordane	0.10			NA						NA	
Toxaphene	1.0			NA						NA	

PRODUCTION WELL STANDING WATER SAMPLES

ERM-Midwest Sample Number		GW-01-100	GW-01-194	GW-01-200	GW-01-60	GW-01-MS	GW-01-MSD	GW-02-101	GW-02-142	GW-02-201	GW-02-60
Remarks		Field Blank		Trip Blank				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
PCBs	Quantitation Limit (Aq)										
Aroclor-1016	0.5			NA						NA	
Aroclor-1221	0.5			NA						NA	
Aroclor-1232	0.5			NA						NA	
Aroclor-1242	0.5			NA						NA	
Aroclor-1248	0.5			NA						NA	
Aroclor-1254	1.0			NA						NA	
Aroclor-1260	1.0			NA						NA	
Quantitation Limit Multiplier		5.0	5.0	NA	5.0	5.0	5.0	1.0	1.0	NA	1.0
Date Sample Received by Laboratory		05/01/90	05/01/90	NA	05/01/90	05/01/90	05/01/90	05/03/90	05/03/90	NA	05/03/90
Date Sample Extracted		05/04/90	05/04/90	NA	05/04/90	05/04/90	05/04/90	05/07/90	05/07/90	NA	05/07/90
Date of Sample Analysis		06/02/90	06/02/90	NA	06/02/90	06/02/90	06/02/90	06/05/90	06/05/90	NA	06/05/90
Instrument Used for Analysis		MS-15	MS-15	NA	MS-15	MS-15	MS-15	MS-24	MS-24	NA	MS-24

PRODUCTION WELL STANDING WATER SAMPLES

ERM-Midwest Sample Number		GW-01-100	GW-01-194	GW-01-200	GW-01-60	GW-01-MS	GW-01-MSD	GW-02-101	GW-02-142	GW-02-201	GW-02-60
Remarks		Field Blank		Trip Blank				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
COMPOUNDS	Reporting Limit (Aq)										
Kepone	0.132	UL	UL	NA	UL	S	S			NA	UL
Photomirex	0.0474			NA		S	S			NA	0.00890 J
Mirex	0.00544		0.0348	NA	0.113	S	S		0.0370	NA	0.00170 J
Date Sample Received by Laboratory		05/01/90	05/01/90	NA	05/01/90	05/01/90	05/01/90	05/03/90	05/03/90	NA	05/03/90
Date Sample Extracted		05/04/90	05/04/90	NA	05/04/90	05/04/90	05/04/90	05/07/90	05/07/90	NA	06/14/90
Date of Sample Analysis		05/28/90	05/28/90	NA	05/28/90	05/29/90	05/29/90	06/12/90	06/12/90	NA	06/16/90
Instrument Used for Analysis		GCMSS3	GCMSS3	NA	GCMSS3	GCMSS3	GCMSS3	GCMSS2	GCMSS2	NA	GCMSS2

PRODUCTION WELL STANDING WATER SAMPLES

ERM-Midwest Sample Number		GW-04	GW-03-203	GW-03-55	GW-03-55-DL
Remarks		Duplicate of GW-02-60	Trip Blank		
Units		ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)				
Chloromethane	10	2.0 J			UL
Bromomethane	10				UL
Vinyl Chloride	10				UL
Chloroethane	10				UL
Methylene Chloride	5.0	5.0 U	4.0 J		96 U
Acetone	10				92 J
Carbon Disulfide	5.0				UL
1,1-Dichloroethene	5.0				UL
1,1-Dichloroethane	5.0				UL
1,2-Dichloroethene (total)	5.0			140	120 J
Chloroform	5.0			49 J	87 J
1,2-Dichloroethane	5.0			4.0 J	260 J
2-Butanone	10				UL
1,1,1-Trichloroethane	5.0				UL
Carbon Tetrachloride	5.0				UL
Vinyl Acetate	10				UL
Bromodichloromethane	5.0				UL
1,1,2,2-Tetrachloroethane	5.0			15 J	19 J
1,2-Dichloropropane	5.0				UL
trans-1,3-Dichloropropene	5.0				UL
Trichloroethene	5.0			1000 J	710 J
Dibromochloromethane	5.0				UL
1,1,2-Trichloroethane	5.0				UL

PRODUCTION WELL STANDING WATER SAMPLES

ERM-Midwest Sample Number		GW-04	GW-03-203	GW-03-55	GW-03-55-DL
Remarks		Duplicate of GW-02-60	Trip Blank		
Units		ug/L	ug/L	ug/L	ug/L
Benzene	5.0			540 J	430 J
cis-1,3-Dichloropropene	5.0				UL
Bromoform	5.0				UL
2-Hexanone	10				UL
4-Methyl-2-Pentanone	10				UL
Tetrachloroethene	5.0			930 J	430 J
Toluene	5.0			6.0 J	UL
Chlorobenzene	5.0			39	34 J
Ethylbenzene	5.0				UL
Styrene	5.0				UL
Xylene (total)	5.0				UL
Quantitation Limit Multiplier		1.0	200.00	1.0	10
Date Sample Received by Laboratory		05/03/90	05/08/90	05/08/90	05/08/90
Date of Sample Analysis		05/11/90	05/17/90	05/17/90	05/25/90
Instrument Used for Analysis		MS-V2	MS-V4	MS-V4	MS-V2
TENTATIVELY IDENTIFIED COMPOUNDS - Estimated					
VOLATILE COMPONENTS		-	-	-	-
Cyclic hydrocarbon C6H12 isomer					
Alkane					

PRODUCTION WELL STANDING WATER SAMPLES

ERM-Midwest Sample Number		GW-04	GW-03-203	GW-03-55	GW-03-55-DL
Remarks		Duplicate of GW-02-60	Trip Blank		
Units		ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)				
Phenol	10	UL	NA	3.0 J	
bis(2-Chloroethyl)Ether	10	UL	NA		
2-Chlorophenol	10	UL	NA		
1,3-Dichlorobenzene	10	UL	NA		
1,4-Dichlorobenzene	10	UL	NA	2.0 J	
Benzyl Alcohol	10	UL	NA		
1,2-Dichlorobenzene	10	UL	NA	390 J	230
2-Methylphenol	10	UL	NA		
bis(2-Chloroisopropyl)Ether	10	UL	NA		
4-Methylphenol	10	UL	NA		
N-Nitroso-Di-n-Propylamine	10		NA		
Hexachloroethane	10		NA		
Nitrobenzene	10		NA		
Isophorone	10		NA		
2-Nitrophenol	10		NA		
2,4-Dimethylphenol	10		NA		
Benzoic Acid	50		NA		
bis(2-Chloroethoxy)Methane	10		NA		
2,4-Dichlorophenol	10		NA		
1,2,4-Trichlorobenzene	10		NA		
Naphthalene	10		NA		
4-Chloroaniline	10		NA		
Hexachlorobutadiene	10		NA		

PRODUCTION WELL STANDING WATER SAMPLES

ERM-Midwest Sample Number		GW-04	GW-03-203	GW-03-55	GW-03-55-DL
Remarks		Duplicate of GW-02-60	Trip Blank		
Units		ug/L	ug/L	ug/L	ug/L
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	10	10 U	NA	10 U	
4-Bromophenyl-phenylether	10		NA		
Hexachlorobenzene	10		NA		

PRODUCTION WELL STANDING WATER SAMPLES

ERM-Midwest Sample Number		GW-04	GW-03-203	GW-03-55	GW-03-55-DL
Remarks		Duplicate of GW-02-60	Trip Blank		
Units		ug/L	ug/L	ug/L	ug/L
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		
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		
Dibenzo(a,h)Anthracene	10		NA		
Benzo(g,h,i)Perylene	10		NA		
Diphenyl Sulfone	10	NA	NA	160 J	100 J
3,4-Dichloronitrobenzene	10	NA	NA	NA	NA
Quantitation Limit Multiplier		1.0	NA	1.0	5.0
Date Sample Received by Laboratory		05/03/90	NA	05/08/90	05/08/90
Date Sample Extracted		05/07/90	NA	05/10/90	05/10/90
Date of Sample Analysis		05/25/90	NA	05/25/90	05/26/90

PRODUCTION WELL STANDING WATER SAMPLES

ERM-Midwest Sample Number	GW-04	GW-03-203	GW-03-55	GW-03-55-DL
Remarks	Duplicate of GW-02-60	Trip Blank		
Units	ug/L	ug/L	ug/L	ug/L
Instrument Used for Analysis	GCMSS1	NA	GCMSS1	GCMSS1
TENTATIVELY IDENTIFIED COMPOUNDS - Estimated				
SEMIVOLATILE COMPONENTS	-	NA		
Phenol,2,6-bis(1,1-dimethylethyl)-4-methyl-				
Benzenesulfonamide			460 J	300 J
Hexanedioic acid, 2-ethyl-				

PRODUCTION WELL STANDING WATER SAMPLES

ERM-Midwest Sample Number		GW-04	GW-03-203	GW-03-55	GW-03-55-DL
Remarks		Duplicate of GW-02-60	Trip Blank		
Units		ug/L	ug/L	ug/L	ug/L
PESTICIDES	Quantitation Limit (Aq)				
alpha-BHC	0.05		NA		NA
beta-BHC	0.05		NA		NA
delta-BHC	0.05		NA		NA
gamma-BHC (Lindane)	0.05		NA	0.038 J	NA
Heptachlor	0.05		NA		NA
Aldrin	0.05		NA		NA
Heptachlor epoxide	0.05		NA		NA
Endosulfan I	0.05		NA		NA
Dieldrin	0.10		NA		NA
4,4'-DDE	0.10		NA		NA
Endrin	0.10		NA		NA
Endosulfan II	0.10		NA		NA
4,4'-DDD	0.10		NA		NA
Endosulfan sulfate	0.10		NA		NA
4,4'-DDT	0.10		NA		NA
Methoxychlor	0.50		NA		NA
Endrin ketone	0.10		NA		NA
alpha-Chlordane	0.10		NA		NA
gamma-Chlordane	0.10		NA		NA
Toxaphene	1.0		NA		NA

PRODUCTION WELL STANDING WATER SAMPLES

ERM-Midwest Sample Number		*GW-04*	*GW-03-203*	*GW-03-55*	*GW-03-55-DL*
Remarks		Duplicate of GW-02-60	Trip Blank		
Units		ug/L	ug/L	ug/L	ug/L
PCBs	Quantitation Limit (Aq)				
Aroclor-1016	0.5		NA		NA
Aroclor-1221	0.5		NA		NA
Aroclor-1232	0.5		NA		NA
Aroclor-1242	0.5		NA		NA
Aroclor-1248	0.5		NA		NA
Aroclor-1254	1.0		NA		NA
Aroclor-1260	1.0		NA		NA
Quantitation Limit Multiplier		1.0	NA	1.0	NA
Date Sample Received by Laboratory		05/03/90	NA	05/08/90	NA
Date Sample Extracted		05/07/90	NA	05/10/90	NA
Date of Sample Analysis		06/05/90	NA	06/03/90	NA
Instrument Used for Analysis		MS-24	NA	MS-24	NA

PRODUCTION WELL STANDING WATER SAMPLES

ERM-Midwest Sample Number		GW-04	GW-03-203	GW-03-55	GW-03-55-DL
Remarks		Duplicate of GW-02-60	Trip Blank		
Units		ug/L	ug/L	ug/L	ug/L
COMPOUNDS	Reporting Limit (Aq)				
Kepone	0.132		NA	0.341	NA
Photomirex	0.0474	0.00750 J	NA		NA
Mirex	0.00544	0.0750	NA	2.19	NA
Date Sample Received by Laboratory		05/03/90	NA	05/08/90	NA
Date Sample Extracted		05/07/90	NA	05/10/90	NA
Date of Sample Analysis		06/12/90	NA	06/11/90	NA
Instrument Used for Analysis		GCMSS2	NA	GCMSS2	NA

PRODUCTION WELL - PACKER SAMPLES

- VOLATILE COMPOUNDS
- SEMIVOLATILE 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).
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.

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number		GW-P1-1	GW-P1-2	GW-P1-3	GW-P1-4	GW-P1-5	GW-P1-6	GW-P1-102	GW-P1-103	GW-P1-104	GW-P2-1	GW-P2-1-MS	GW-P2-1MSD
Remarks								Trip Blank	Trip 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	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)												
Chloromethane	10												
Bromomethane	10												
Vinyl Chloride	10												
Chloroethane	10												
Methylene Chloride	5.0	5 U	5 U	5 U			5 U	3 J	2 J	2 J	33 U	47 U	36 U
Acetone	10												
Carbon Disulfide	5.0						5						
1,1-Dichloroethene	5.0						1 J					S	S
1,1-Dichloroethane	5.0												
1,2-Dichloroethene (total)	5.0						2 J						
Chloroform	5.0						2 J						
1,2-Dichloroethane	5.0						1 J						
2-Butanone	10												
1,1,1-Trichloroethane	5.0						2 J						
Carbon Tetrachloride	5.0												
Vinyl Acetate	10												
Bromodichloromethane	5.0						1 J						
1,1,2,2-Tetrachloroethane	5.0						2 J						
1,2-Dichloropropane	5.0						1 J						
trans-1,3-Dichloropropene	5.0												
Trichloroethene	5.0	6	4 J	4 J	4 J	4 J	3 J					S	S
Dibromochloromethane	5.0												
1,1,2-Trichloroethane	5.0												

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number		GW-P1-1	GW-P1-2	GW-P1-3	GW-P1-4	GW-P1-5	GW-P1-6	GW-P1-102	GW-P1-103	GW-P1-104	GW-P2-1	GW-P2-1-MS	GW-P2-1MSD
Remarks								Trip Blank	Trip 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	ug/L
Benzene	5.0						3 J					S	S
cis-1,3-Dichloropropene	5.0												
Bromoform	5.0												
2-Hexanone	10												
4-Methyl-2-Pentanone	10												
Tetrachloroethene	5.0	6	6	4 J	4 J	4 J	4 J						
Toluene	5.0	9	7	7 U	16	25	12				23 J	S	S
Chlorobenzene	5.0											S	S
Ethylbenzene	5.0												
Styrene	5.0												
Xylene (total)	5.0						1 J						
Quantitation Limit Multiplier		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Date Sample Received by Laboratory		09/21/90	09/21/90	09/19/90	09/24/90	09/24/90	09/24/90	09/19/90	09/21/90	09/24/90	09/26/90	09/26/90	09/26/90
Date of Sample Analysis		09/29/90	09/29/90	09/25/90	09/30/90	09/30/90	10/02/90	09/25/90	09/30/90	09/30/90	10/02/90	10/02/90	10/02/90
Instrument Used for Analysis		MS-V2	MS-V2	MS-V4	MS-V2	MS-V2	MS-V3	MS-V4	MS-V2	MS-V2	MS-V3	MS-V3	MS-V3

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number		GW-P1-1	GW-P1-2	GW-P1-3	GW-P1-4	GW-P1-5	GW-P1-6	GW-P1-102	GW-P1-103	GW-P1-104	GW-P2-1	GW-P2-1-MS	GW-P2-1MSD
Remarks								Trip Blank	Trip 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	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)												
Phenol	10				NA	NA			NA	NA		S	S
bis(2-Chloroethyl)Ether	10				NA	NA			NA	NA			
2-Chlorophenol	10				NA	NA			NA	NA		S	S
1,3-Dichlorobenzene	10				NA	NA			NA	NA			
1,4-Dichlorobenzene	10				NA	NA			NA	NA		S	S
Benzyl Alcohol	10				NA	NA			NA	NA			
1,2-Dichlorobenzene	10				NA	NA			NA	NA			
2-Methylphenol	10				NA	NA			NA	NA			
bis(2-Chloroisopropyl)Ether	10				NA	NA			NA	NA			
4-Methylphenol	10				NA	NA			NA	NA			
N-Nitroso-Di-n-Propylamine	10				NA	NA			NA	NA		S	S
Hexachloroethane	10				NA	NA			NA	NA			
Nitrobenzene	10				NA	NA			NA	NA			
Isophorone	10				NA	NA			NA	NA			
2-Nitrophenol	10				NA	NA			NA	NA			
2,4-Dimethylphenol	10				NA	NA			NA	NA			
Benzoic Acid	50				NA	NA			NA	NA			
bis(2-Chloroethoxy)Methane	10				NA	NA			NA	NA			
2,4-Dichlorophenol	10				NA	NA			NA	NA			
1,2,4-Trichlorobenzene	10				NA	NA			NA	NA		S	S
Naphthalene	10				NA	NA			NA	NA			
4-Chloroaniline	10				NA	NA			NA	NA			
Hexachlorobutadiene	10				NA	NA			NA	NA			

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number		GW-P1-1	GW-P1-2	GW-P1-3	GW-P1-4	GW-P1-5	GW-P1-6	GW-P1-102	GW-P1-103	GW-P1-104	GW-P2-1	GW-P2-1-MS	GW-P2-1MSD
Remarks								Trip Blank	Trip 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	ug/L
4-Chloro-3-Methylphenol	10				NA	NA			NA	NA		S	S
2-Methylnaphthalene	10				NA	NA			NA	NA			
Hexachlorocyclopentadiene	10				NA	NA			NA	NA			
2,4,6-Trichlorophenol	10				NA	NA			NA	NA			
2,4,5-Trichlorophenol	50				NA	NA			NA	NA			
2-Chloronaphthalene	10				NA	NA			NA	NA			
2-Nitroaniline	50				NA	NA			NA	NA			
Dimethyl Phthalate	10				NA	NA			NA	NA			
Acenaphthylene	10				NA	NA			NA	NA			
3-Nitroaniline	50				NA	NA			NA	NA			
Acenaphthene	10				NA	NA			NA	NA		S	S
2,4-Dinitrophenol	50				NA	NA			NA	NA			
4-Nitrophenol	50				NA	NA			NA	NA		S	S
Dibenzofuran	10				NA	NA			NA	NA			
2,4-Dinitrotoluene	10				NA	NA			NA	NA		S	S
2,6-Dinitrotoluene	10				NA	NA			NA	NA			
Diethylphthalate	10				NA	NA			NA	NA			
4-Chlorophenyl-phenylether	10				NA	NA			NA	NA			
Fluorene	10				NA	NA			NA	NA			
4-Nitroaniline	50				NA	NA			NA	NA			
4,6-Dinitro-2-Methylphenol	50				NA	NA			NA	NA			
N-Nitrosodiphenylamine	10				NA	NA			NA	NA			
4-Bromophenyl-phenylether	10				NA	NA			NA	NA			
Hexachlorobenzene	10				NA	NA			NA	NA			
Pentachl[illegible]phenol	10				NA	NA			NA	NA		S	S

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number		GW-P1-1	GW-P1-2	GW-P1-3	GW-P1-4	GW-P1-5	GW-P1-6	GW-P1-102	GW-P1-103	GW-P1-104	GW-P2-1	GW-P2-1-MS	GW-P2-1MSD
Remarks								Trip Blank	Trip 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	ug/L
Phenanthrene	10				NA	NA			NA	NA			
Anthracene	10				NA	NA			NA	NA			
Di-n-Butylphthalate	10				NA	NA			NA	NA			
Fluoranthene	10				NA	NA			NA	NA			
Pyrene	10				NA	NA			NA	NA		S	S
Butylbenzylphthalate	10				NA	NA			NA	NA			
3,3'-Dichlorobenzidine	20				NA	NA			NA	NA			
Benzo(a)Anthracene	10				NA	NA			NA	NA			
Chrysene	10				NA	NA			NA	NA			
bis(2-Ethylhexyl)Phthalate	10				NA	NA			NA	NA			
Di-n-Octyl Phthalate	10				NA	NA			NA	NA			
Benzo(b)Fluoranthene	10				NA	NA			NA	NA			
Benzo(k)Fluoranthene	10				NA	NA			NA	NA			
Benzo(a)Pyrene	10				NA	NA			NA	NA			
Indeno(1,2,3-cd)Pyrene	10				NA	NA			NA	NA			
Dibenzo(a,h)Anthracene	10				NA	NA			NA	NA			
Benzo(g,h,i)Perylene	10				NA	NA			NA	NA			
Diphenyl Sulfone	10	7 J	4 J	6 J	6 J	6 J	6 J	NA	NA	NA	2 J	S	S
3,4-Dichloronitrobenzene	10								NA	NA	UL	S	S
Quantitation Limit Multiplier		1.0	1.0	1.0	1.0	1.0	1.0	NA	NA	NA	1.0	1.0	1.0
Date Sample Received by Laboratory		09/21/90	09/21/90	09/19/90	09/24/90	09/24/90	09/24/90	NA	NA	NA	09/26/90	09/26/90	09/26/90
Date Sample Extracted		09/26/90	09/26/90	09/26/90	09/26/90	09/26/90	09/26/90	NA	NA	NA	09/29/90	09/29/90	09/29/90
Date of Sample Analysis		09/28/90	09/28/90	09/28/90	09/28/90	09/28/90	09/28/90	NA	NA	NA	10/23/90	10/23/90	10/23/90
Instrument Used for Analysis		GCMSS6	GCMSS6	MS-S6	S6	S6	S6	NA	NA	NA	GCMSS6	GCMSS6	GCMSS6

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number	GW-P1-1	GW-P1-2	GW-P1-3	GW-P1-4	GW-P1-5	GW-P1-6	GW-P1-102	GW-P1-103	GW-P1-104	GW-P2-1	GW-P2-1-MS	GW-P2-1MSD
Remarks							Trip Blank	Trip 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	ug/L
TENTATIVELY IDENTIFIED COMPOUNDS - Estimated Concentrations												
SEMIVOLATILE COMPONENTS			-	-	-	-	NA	NA	NA	-	-	-
Benzenesulfonamide	18 J	10 J				16 J						

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number		GW-P1-1	GW-P1-2	GW-P1-3	GW-P1-4	GW-P1-5	GW-P1-6	GW-P1-102	GW-P1-103	GW-P1-104	GW-P2-1	GW-P2-1-MS	GW-P2-1MSD
Remarks								Trip Blank	Trip 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	ug/L
PESTICIDES	Quantitation Limit (Aq)												
alpha-BHC	0.05		NA	NA	NA	NA		NA	NA	NA			
beta-BHC	0.05		NA	NA	NA	NA		NA	NA	NA			
delta-BHC	0.05		NA	NA	NA	NA		NA	NA	NA			
gamma-BHC (Lindane)	0.05		NA	NA	NA	NA		NA	NA	NA	UL	S	S
Heptachlor	0.05		NA	NA	NA	NA		NA	NA	NA		S	S
Aldrin	0.05		NA	NA	NA	NA		NA	NA	NA		S	S
Heptachlor epoxide	0.05		NA	NA	NA	NA		NA	NA	NA			
Endosulfan I	0.05		NA	NA	NA	NA		NA	NA	NA			
Dieldrin	0.10		NA	NA	NA	NA		NA	NA	NA		S	S
4,4'-DDE	0.10	0.066 R	NA	NA	NA	NA		NA	NA	NA			
Endrin	0.10		NA	NA	NA	NA		NA	NA	NA		S	S
Endosulfan II	0.10		NA	NA	NA	NA		NA	NA	NA			
4,4'-DDD	0.10		NA	NA	NA	NA		NA	NA	NA			
Endosulfan sulfate	0.10		NA	NA	NA	NA		NA	NA	NA			
4,4'-DDT	0.10		NA	NA	NA	NA		NA	NA	NA		S	S
Methoxychlor	0.50		NA	NA	NA	NA		NA	NA	NA			
Endrin ketone	0.10		NA	NA	NA	NA		NA	NA	NA			
alpha-Chlordane	0.10		NA	NA	NA	NA		NA	NA	NA			
gamma-Chlordane	0.10		NA	NA	NA	NA		NA	NA	NA			
Toxaphene	1.0		NA	NA	NA	NA		NA	NA	NA			

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number		GW-P1-1	GW-P1-2	GW-P1-3	GW-P1-4	GW-P1-5	GW-P1-6	GW-P1-102	GW-P1-103	GW-P1-104	GW-P2-1	GW-P2-1-MS	GW-P2-1MSD
Remarks								Trip Blank	Trip 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	ug/L
PCBs	Quantitation Limit (Aq)												
Aroclor-1016	0.5		NA	NA	NA	NA		NA	NA	NA			
Aroclor-1221	0.5		NA	NA	NA	NA		NA	NA	NA			
Aroclor-1232	0.5		NA	NA	NA	NA		NA	NA	NA			
Aroclor-1242	0.5		NA	NA	NA	NA		NA	NA	NA			
Aroclor-1248	0.5		NA	NA	NA	NA		NA	NA	NA			
Aroclor-1254	1.0		NA	NA	NA	NA		NA	NA	NA			
Aroclor-1260	1.0		NA	NA	NA	NA		NA	NA	NA			
Quantitation Limit Multiplier		1.0	NA	NA	NA	NA	1.0	NA	NA	NA	1.0	1.0	1.0
Date Sample Received by Laboratory		9/21/90	NA	NA	NA	NA	9/24/90	NA	NA	NA	9/26/90	9/26/90	9/26/90
Date Sample Extracted		09/26/90	NA	NA	NA	NA	09/26/90	NA	NA	NA	10/01/90	10/01/90	10/01/90
Date of Sample Analysis		10/12/90	NA	NA	NA	NA	10/12/90	NA	NA	NA	11/03/90	11/03/90	11/03/90
Instrument Used for Analysis		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number		GW-P1-1	GW-P1-2	GW-P1-3	GW-P1-4	GW-P1-5	GW-P1-6	GW-P1-102	GW-P1-103	GW-P1-104	GW-P2-1	GW-P2-1-MS	GW-P2-1MSD
Remarks								Trip Blank	Trip 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	ug/L
COMPOUNDS	Reporting Limit (Aq)												
Kepone	0.132							NA	NA	NA	0.125 J	S	S
Photomirex	0.0474							NA	NA	NA		S	S
Mirex	0.00544	0.0178	0.0228	0.0410	0.120	0.0474	0.0208	NA	NA	NA		S	S
Date Sample Received by Laboratory		09/21/90	09/21/90	09/19/90	09/24/90	09/24/90	09/24/90	NA	NA	NA	09/26/90	09/26/90	09/26/90
Date Sample Extracted		09/25/90	09/25/90	09/25/90	09/25/90	09/25/90	09/25/90	NA	NA	NA	10/01/90	10/01/90	10/01/90
Date of Sample Analysis		10/02/90	10/02/90	10/02/90	10/02/90	10/02/90	10/02/90	NA	NA	NA	10/16/90	10/16/90	10/16/90
Instrument Used for Analysis		GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	NA	NA	NA	GCMSS3	GCMSS3	GCMSS3

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number		GW-P2-2	GW-P2-3	GW-P2-4	GW-P2-5	GW-P2-6	GW-P2-105	GW-P3-1	GW-P3-1-MS	GW-P3-1-MSD	GW-P3-2	GW-P3-103
Remarks							Trip Blank					Field Blank
Units		ug/L	ug/L	ug/L	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	5.0	5 U		5 U		5 U	3 J	91 U	160 U	70 U	5 U	3 J
Acetone	10											R
Carbon Disulfide	5.0		8				1 J				4 J	
1,1-Dichloroethene	5.0								S	S		
1,1-Dichloroethane	5.0											
1,2-Dichloroethene (total)	5.0							260 J	200 J	23 J	74	
Chloroform	5.0							320 J	81 J	80 J	6	
1,2-Dichloroethane	5.0							660	470	480	87	
2-Butanone	10							100 U	370 U	390 U		
1,1,1-Trichloroethane	5.0											
Carbon Tetrachloride	5.0											
Vinyl Acetate	10											
Bromodichloromethane	5.0							32 J				
1,1,2,2-Tetrachloroethane	5.0							69	52	53	9 J	
1,2-Dichloropropane	5.0											
trans-1,3-Dichloropropene	5.0											
Trichloroethene	5.0							1200 J	S	S	190	
Dibromochloromethane	5.0											
1,1,2-Trichloroethane	5.0											

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number		GW-P2-2	GW-P2-3	GW-P2-4	GW-P2-5	GW-P2-6	GW-P2-105	GW-P3-1	GW-P3-1-MS	GW-P3-1-MSD	GW-P3-2	GW-P3-103
Remarks							Trip Blank					Field Blank
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Benzene	5.0							910 J	S	S	130	
cis-1,3-Dichloropropene	5.0											
Bromoform	5.0											
2-Hexanone	10											
4-Methyl-2-Pentanone	10											
Tetrachloroethene	5.0							1100	930	890	170	
Toluene	5.0	16	34	19	21	6 U	1 J	17 J	S	S	11	
Chlorobenzene	5.0							80	S	S	12	
Ethylbenzene	5.0											
Styrene	5.0											
Xylene (total)	5.0											
Quantitation Limit Multiplier		1.0	1.0	1.0	1.0	1.0	1.0	10.0	10.0	10.0	1.0	1.0
Date Sample Received by Laboratory		09/25/90	09/25/90	09/25/90	09/25/90	09/25/90	09/25/90	09/27/90	09/27/90	09/27/90	09/26/90	09/27/90
Date of Sample Analysis		10/02/90	10/02/90	09/30/90	09/30/90	09/30/90	10/02/90	10/06/90	10/07/90	10/07/90	10/01/90	10/05/90
Instrument Used for Analysis		MS-V3	MS-V3	MS-V2	MS-V2	MS-V2	MS-V3	MS-V2	MS-V2	MS-V2	MS-V3	MS-V3

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number		GW-P2-2	GW-P2-3	GW-P2-4	GW-P2-5	GW-P2-6	GW-P2-105	GW-P3-1	GW-P3-1-MS	GW-P3-1-MSD	GW-P3-2	GW-P3-103
Remarks							Trip Blank					Field Blank
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)											
Phenol	10	NA	NA	NA	NA		NA		S	S	NA	
bis(2-Chloroethyl)Ether	10	NA	NA	NA	NA		NA				NA	
2-Chlorophenol	10	NA	NA	NA	NA		NA		S	S	NA	
1,3-Dichlorobenzene	10	NA	NA	NA	NA		NA				NA	
1,4-Dichlorobenzene	10	NA	NA	NA	NA		NA		S	S	NA	
Benzyl Alcohol	10	NA	NA	NA	NA		NA				NA	
1,2-Dichlorobenzene	10	NA	NA	NA	NA		NA	450	460	450	NA	
2-Methylphenol	10	NA	NA	NA	NA		NA				NA	
bis(2-Chloroisopropyl)Ether	10	NA	NA	NA	NA		NA				NA	
4-Methylphenol	10	NA	NA	NA	NA		NA				NA	
N-Nitroso-Di-n-Propylamine	10	NA	NA	NA	NA		NA		S	S	NA	
Hexachloroethane	10	NA	NA	NA	NA		NA				NA	
Nitrobenzene	10	NA	NA	NA	NA		NA				NA	
Isophorone	10	NA	NA	NA	NA		NA				NA	
2-Nitrophenol	10	NA	NA	NA	NA		NA				NA	
2,4-Dimethylphenol	10	NA	NA	NA	NA		NA				NA	
Benzoic Acid	50	NA	NA	NA	NA		NA				NA	
bis(2-Chloroethoxy)Methane	10	NA	NA	NA	NA		NA				NA	
2,4-Dichlorophenol	10	NA	NA	NA	NA		NA				NA	
1,2,4-Trichlorobenzene	10	NA	NA	NA	NA		NA		S	S	NA	
Naphthalene	10	NA	NA	NA	NA		NA				NA	
4-Chloroaniline	10	NA	NA	NA	NA		NA				NA	
Hexachlorobutadiene	10	NA	NA	NA	NA		NA				NA	

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number		GW-P2-2	GW-P2-3	GW-P2-4	GW-P2-5	GW-P2-6	GW-P2-105	GW-P3-1	GW-P3-1-MS	GW-P3-1-MSD	GW-P3-2	GW-P3-103
Remarks							Trip Blank					Field Blank
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
4-Chloro-3-Methylphenol	10	NA	NA	NA	NA		NA		S	S	NA	
2-Methylnaphthalene	10	NA	NA	NA	NA		NA				NA	
Hexachlorocyclopentadiene	10	NA	NA	NA	NA		NA				NA	
2,4,6-Trichlorophenol	10	NA	NA	NA	NA		NA				NA	
2,4,5-Trichlorophenol	50	NA	NA	NA	NA		NA				NA	
2-Chloronaphthalene	10	NA	NA	NA	NA		NA				NA	
2-Nitroaniline	50	NA	NA	NA	NA		NA				NA	
Dimethyl Phthalate	10	NA	NA	NA	NA		NA				NA	
Acenaphthylene	10	NA	NA	NA	NA		NA				NA	
3-Nitroaniline	50	NA	NA	NA	NA		NA				NA	
Acenaphthene	10	NA	NA	NA	NA		NA		S	S	NA	
2,4-Dinitrophenol	50	NA	NA	NA	NA		NA		S	S	NA	
4-Nitrophenol	50	NA	NA	NA	NA		NA		S	S	NA	
Dibenzofuran	10	NA	NA	NA	NA		NA				NA	
2,4-Dinitrotoluene	10	NA	NA	NA	NA		NA				NA	
2,6-Dinitrotoluene	10	NA	NA	NA	NA		NA				NA	
Diethylphthalate	10	NA	NA	NA	NA		NA				NA	
4-Chlorophenyl-phenylether	10	NA	NA	NA	NA		NA				NA	
Fluorene	10	NA	NA	NA	NA		NA				NA	
4-Nitroaniline	50	NA	NA	NA	NA		NA				NA	
4,6-Dinitro-2-Methylphenol	50	NA	NA	NA	NA		NA				NA	
N-Nitrosodiphenylamine	10	NA	NA	NA	NA		NA				NA	
4-Bromophenyl-phenylether	10	NA	NA	NA	NA		NA				NA	
Hexachlorobenzene	10	NA	NA	NA	NA		NA				NA	
Pentachlorophenol	10	NA	NA	NA	NA		NA		S	S	NA	

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number		GW-P2-2	GW-P2-3	GW-P2-4	GW-P2-5	GW-P2-6	GW-P2-105	GW-P3-1	GW-P3-1-MS	GW-P3-1-MSD	GW-P3-2	GW-P3-103
Remarks							Trip Blank					Field Blank
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Phenanthrene	10	NA	NA	NA	NA		NA				NA	
Anthracene	10	NA	NA	NA	NA		NA				NA	
Di-n-Butylphthalate	10	NA	NA	NA	NA		NA				NA	
Fluoranthene	10	NA	NA	NA	NA		NA				NA	
Pyrene	10	NA	NA	NA	NA		NA		S	S	NA	
Butylbenzylphthalate	10	NA	NA	NA	NA		NA				NA	
3,3'-Dichlorobenzidine	20	NA	NA	NA	NA		NA				NA	
Benzo(a)Anthracene	10	NA	NA	NA	NA		NA				NA	
Chrysene	10	NA	NA	NA	NA		NA				NA	
bis(2-Ethylhexyl)Phthalate	10	NA	NA	NA	NA		NA				NA	
Di-n-Octyl Phthalate	10	NA	NA	NA	NA		NA				NA	
Benzo(b)Fluoranthene	10	NA	NA	NA	NA		NA				NA	
Benzo(k)Fluoranthene	10	NA	NA	NA	NA		NA				NA	
Benzo(a)Pyrene	10	NA	NA	NA	NA		NA				NA	
Indeno(1,2,3-cd)Pyrene	10	NA	NA	NA	NA		NA				NA	
Dibenzo(a,h)Anthracene	10	NA	NA	NA	NA		NA				NA	
Benzo(g,h,i)Perylene	10	NA	NA	NA	NA		NA				NA	
Diphenyl Sulfone	10						NA	170 J	S	S	74	
3,4-Dichloronitrobenzene	10						NA	R	S	S		
Quantitation Limit Multiplier		1.0	1.0	1.0	1.0	1.0	NA	5.0	5.0	5.0	3.0	5.0
Date Sample Received by Laboratory		09/25/90	09/25/90	09/25/90	09/25/90	09/25/90	NA	9/27/90	9/27/90	9/27/90	09/26/90	9/27/90
Date Sample Extracted		09/28/90	09/28/90	09/28/90	09/28/90	09/28/90	NA	9/29/90	9/29/90	9/29/90	09/29/90	9/29/90
Date of Sample Analysis		10/12/90	10/12/90	10/12/90	10/11/90	10/12/90	NA	10/23/90	10/23/90	10/23/90	10/23/90	10/23/90
Instrument Used for Analysis		GCMSS5	GCMSS5	GCMSS5	GCMSS5	GCMSS5	NA	GCMSS6	GCMSS6	GCMSS6	GCMSS6	GCMSS6

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number	GW-P2-2	GW-P2-3	GW-P2-4	GW-P2-5	GW-P2-6	GW-P2-105	GW-P3-1	GW-P3-1-MS	GW-P3-1-MSD	GW-P3-2	GW-P3-103
Remarks						Trip Blank					Field Blank
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
TENTATIVELY IDENTIFIED COMPOUNDS - Estimat											
SEMIVOLATILE COMPONENTS	NA	NA	NA	-	NA	NA		-	-	NA	-
Benzenesulfonamide							1300 J				

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number		GW-P2-2	GW-P2-3	GW-P2-4	GW-P2-5	GW-P2-6	GW-P2-105	GW-P3-1	GW-P3-1-MS	GW-P3-1-MSD	GW-P3-2	GW-P3-103
Remarks							Trip Blank					Field 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	Quantitation Limit (Aq)											
alpha-BHC	0.05	NA	NA	NA	NA		NA	UL	UL		NA	
beta-BHC	0.05	NA	NA	NA	NA		NA	UL	UL		NA	
delta-BHC	0.05	NA	NA	NA	NA		NA	UL	UL		NA	
gamma-BHC (Lindane)	0.05	NA	NA	NA	NA		NA	UL	S	S	NA	
Heptachlor	0.05	NA	NA	NA	NA		NA	UL	S	S	NA	
Aldrin	0.05	NA	NA	NA	NA		NA	R	S	S	NA	
Heptachlor epoxide	0.05	NA	NA	NA	NA		NA	UL	UL		NA	
Endosulfan I	0.05	NA	NA	NA	NA		NA	UL	UL		NA	
Dieldrin	0.10	NA	NA	NA	NA		NA	UL	S	S	NA	
4,4'-DDE	0.10	NA	NA	NA	NA		NA	UL	UL		NA	
Endrin	0.10	NA	NA	NA	NA		NA	UL	S	S	NA	
Endosulfan II	0.10	NA	NA	NA	NA		NA	UL	UL		NA	
4,4'-DDD	0.10	NA	NA	NA	NA		NA	UL	UL		NA	
Endosulfan sulfate	0.10	NA	NA	NA	NA		NA	UL	UL		NA	
4,4'-DDT	0.10	NA	NA	NA	NA		NA	UL	S	S	NA	
Methoxychlor	0.50	NA	NA	NA	NA		NA	UL	UL		NA	
Endrin ketone	0.10	NA	NA	NA	NA		NA	UL	UL		NA	
alpha-Chlordane	0.10	NA	NA	NA	NA		NA	UL	UL		NA	
gamma-Chlordane	0.10	NA	NA	NA	NA		NA	UL	UL		NA	
Toxaphene	1.0	NA	NA	NA	NA		NA	UL	UL		NA	

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number		GW-P2-2	GW-P2-3	GW-P2-4	GW-P2-5	GW-P2-6	GW-P2-105	GW-P3-1	GW-P3-1-MS	GW-P3-1-MSD	GW-P3-2	GW-P3-103
Remarks							Trip Blank					Field Blank
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PCBs	Quantitation Limit (Aq)											
Aroclor-1016	0.5	NA	NA	NA	NA		NA	UL	UL		NA	
Aroclor-1221	0.5	NA	NA	NA	NA		NA	UL	UL		NA	
Aroclor-1232	0.5	NA	NA	NA	NA		NA	UL	UL		NA	
Aroclor-1242	0.5	NA	NA	NA	NA		NA	UL	UL		NA	
Aroclor-1248	0.5	NA	NA	NA	NA		NA	UL	UL		NA	
Aroclor-1254	1.0	NA	NA	NA	NA		NA	UL	UL		NA	
Aroclor-1260	1.0	NA	NA	NA	NA		NA	UL	UL		NA	
Quantitation Limit Multiplier		NA	NA	NA	NA	1.0	NA	1.0	1.0	1.0	NA	1.0
Date Sample Received by Laboratory		NA	NA	NA	NA	9/25/90	NA	9/27/90	9/27/90	9/27/90	NA	9/27/90
Date Sample Extracted		NA	NA	NA	NA	09/28/90	NA	10/01/90	10/01/90	10/01/90	NA	10/01/90
Date of Sample Analysis		NA	NA	NA	NA	10/13/90	NA	11/03/90	11/03/90	11/03/90	NA	11/03/90
Instrument Used for Analysis		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number		GW-P2-2	GW-P2-3	GW-P2-4	GW-P2-5	GW-P2-6	GW-P2-105	GW-P3-1	GW-P3-1-MS	GW-P3-1-MSD	GW-P3-2	GW-P3-103
Remarks							Trip Blank					Field Blank
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUNDS	Reporting Limit (Aq)											
Kepone	0.132						NA		S	S	0.202 J	
Photomirex	0.0474						NA		S	S		
Mirex	0.00544	0.0456	0.0492	0.0266	0.0160	0.00780 J	NA	0.0450 J	S	S	0.0416	
Date Sample Received by Laboratory		09/25/90	09/25/90	09/25/90	09/25/90	09/25/90	NA	9/27/90	9/27/90	9/27/90	09/26/90	9/27/90
Date Sample Extracted		09/30/90	09/30/90	09/30/90	09/30/90	09/30/90	NA	10/2/90	10/2/90	10/2/90	10/01/90	10/2/90
Date of Sample Analysis		10/13/90	10/13/90	10/13/90	10/13/90	10/13/90	NA	10/16/90	10/16/90	10/16/90	10/16/90	10/16/90
Instrument Used for Analysis		GCMSS3	GCMSS3	GCMSS3	GCMSS3	GCMSS3	NA	GCMSS6	GCMSS6	GCMSS6	GCMSS3	GCMSS6

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number		GW-P3-206	GW-P3-207	GW-P4-1
Remarks		Trip Blank	Trip Blank	Dup. of GW-P3-2
Units		ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)			
Chloromethane	10			
Bromomethane	10			
Vinyl Chloride	10			
Chloroethane	10			
Methylene Chloride	5.0	47	2 J	4 U
Acetone	10		R	
Carbon Disulfide	5.0			
1,1-Dichloroethene	5.0			
1,1-Dichloroethane	5.0			
1,2-Dichloroethene (total)	5.0			170
Chloroform	5.0			6 J
1,2-Dichloroethane	5.0			83
2-Butanone	10			10 U
1,1,1-Trichloroethane	5.0			
Carbon Tetrachloride	5.0			
Vinyl Acetate	10			
Bromodichloromethane	5.0			
1,1,2,2-Tetrachloroethane	5.0			7 J
1,2-Dichloropropane	5.0			
trans-1,3-Dichloropropene	5.0			
Trichloroethene	5.0			190
Dibromochloromethane	5.0			
1,1,2-Trichloroethane	5.0			

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number		GW-P3-206	GW-P3-207	GW-P4-1
Remarks		Trip Blank	Trip Blank	Dup. of GW-P3-2
Units		ug/L	ug/L	ug/L
Benzene	5.0			120
cis-1,3-Dichloropropene	5.0			
Bromoform	5.0			
2-Hexanone	10			
4-Methyl-2-Pentanone	10			
Tetrachloroethene	5.0			170
Toluene	5.0			10
Chlorobenzene	5.0			11
Ethylbenzene	5.0			
Styrene	5.0			
Xylene (total)	5.0			
Quantitation Limit Multiplier		1.0	1.0	2.0
Date Sample Received by Laboratory		09/26/90	09/27/90	09/26/90
Date of Sample Analysis		10/02/90	10/05/90	10/02/90
Instrument Used for Analysis		MS-V3	MS-V3	MS-V2

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number		GW-P3-206	GW-P3-207	GW-P4-1
Remarks		Trip Blank	Trip Blank	Dup. of GW-P3-2
Units		ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)			
Phenol	10	NA	NA	NA
bis(2-Chloroethyl)Ether	10	NA	NA	NA
2-Chlorophenol	10	NA	NA	NA
1,3-Dichlorobenzene	10	NA	NA	NA
1,4-Dichlorobenzene	10	NA	NA	NA
Benzyl Alcohol	10	NA	NA	NA
1,2-Dichlorobenzene	10	NA	NA	NA
2-Methylphenol	10	NA	NA	NA
bis(2-Chloroisopropyl)Ether	10	NA	NA	NA
4-Methylphenol	10	NA	NA	NA
N-Nitroso-Di-n-Propylamine	10	NA	NA	NA
Hexachloroethane	10	NA	NA	NA
Nitrobenzene	10	NA	NA	NA
Isophorone	10	NA	NA	NA
2-Nitrophenol	10	NA	NA	NA
2,4-Dimethylphenol	10	NA	NA	NA
Benzoic Acid	50	NA	NA	NA
bis(2-Chloroethoxy)Methane	10	NA	NA	NA
2,4-Dichlorophenol	10	NA	NA	NA
1,2,4-Trichlorobenzene	10	NA	NA	NA
Naphthalene	10	NA	NA	NA
4-Chloroaniline	10	NA	NA	NA
Hexachlorobutadiene	10	NA	NA	NA

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number		GW-P3-206	GW-P3-207	GW-P4-1
Remarks		Trip Blank	Trip Blank	Dup. of GW-P3-2
Units		ug/L	ug/L	ug/L
4-Chloro-3-Methylphenol	10	NA	NA	NA
2-Methylnaphthalene	10	NA	NA	NA
Hexachlorocyclopentadiene	10	NA	NA	NA
2,4,6-Trichlorophenol	10	NA	NA	NA
2,4,5-Trichlorophenol	50	NA	NA	NA
2-Chloronaphthalene	10	NA	NA	NA
2-Nitroaniline	50	NA	NA	NA
Dimethyl Phthalate	10	NA	NA	NA
Acenaphthylene	10	NA	NA	NA
3-Nitroaniline	50	NA	NA	NA
Acenaphthene	10	NA	NA	NA
2,4-Dinitrophenol	50	NA	NA	NA
4-Nitrophenol	50	NA	NA	NA
Dibenzofuran	10	NA	NA	NA
2,4-Dinitrotoluene	10	NA	NA	NA
2,6-Dinitrotoluene	10	NA	NA	NA
Diethylphthalate	10	NA	NA	NA
4-Chlorophenyl-phenylether	10	NA	NA	NA
Fluorene	10	NA	NA	NA
4-Nitroaniline	50	NA	NA	NA
4,6-Dinitro-2-Methylphenol	50	NA	NA	NA
N-Nitrosodiphenylamine	10	NA	NA	NA
4-Bromophenyl-phenylether	10	NA	NA	NA
Hexachlorobenzene	10	NA	NA	NA
Pentachlorophenol	10	NA	NA	NA

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number		GW-P3-206	GW-P3-207	GW-P4-1
Remarks		Trip Blank	Trip Blank	Dup. of GW-P3-2
Units		ug/L	ug/L	ug/L
Phenanthrene	10	NA	NA	NA
Anthracene	10	NA	NA	NA
Di-n-Butylphthalate	10	NA	NA	NA
Fluoranthene	10	NA	NA	NA
Pyrene	10	NA	NA	NA
Butylbenzylphthalate	10	NA	NA	NA
3,3'-Dichlorobenzidine	20	NA	NA	NA
Benzo(a)Anthracene	10	NA	NA	NA
Chrysene	10	NA	NA	NA
bis(2-Ethylhexyl)Phthalate	10	NA	NA	NA
Di-n-Octyl Phthalate	10	NA	NA	NA
Benzo(b)Fluoranthene	10	NA	NA	NA
Benzo(k)Fluoranthene	10	NA	NA	NA
Benzo(a)Pyrene	10	NA	NA	NA
Indeno(1,2,3-cd)Pyrene	10	NA	NA	NA
Dibenzo(a,h)Anthracene	10	NA	NA	NA
Benzo(g,h,i)Perylene	10	NA	NA	NA
Diphenyl Sulfone	10	NA	NA	74
3,4-Dichloronitrobenzene	10	NA	NA	
Quantitation Limit Multiplier		NA	NA	3.0
Date Sample Received by Laboratory		NA	NA	09/26/90
Date Sample Extracted		NA	NA	09/29/90
Date of Sample Analysis		NA	NA	10/23/90
Instrument Used for Analysis		NA	NA	GCMSS6

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number	GW-P3-206	GW-P3-207	GW-P4-1
Remarks	Trip Blank	Trip Blank	Dup. of GW-P3-2
Units	ug/L	ug/L	ug/L
TENTATIVELY IDENTIFIED COMPOUNDS - Estimat			
SEMIVOLATILE COMPONENTS	NA	NA	-
Benzenesulfonamide			

PRODUCTION WELL PACKER SAMPLES

ERM-Midwest Sample Number		GW-P3-206	GW-P3-207	GW-P4-1
Remarks		Trip Blank	Trip Blank	Dup. of GW-P3-2
Units		ug/L	ug/L	ug/L
PESTICIDES	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	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

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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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	1 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	1 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	1 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	1 19E+01
H	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

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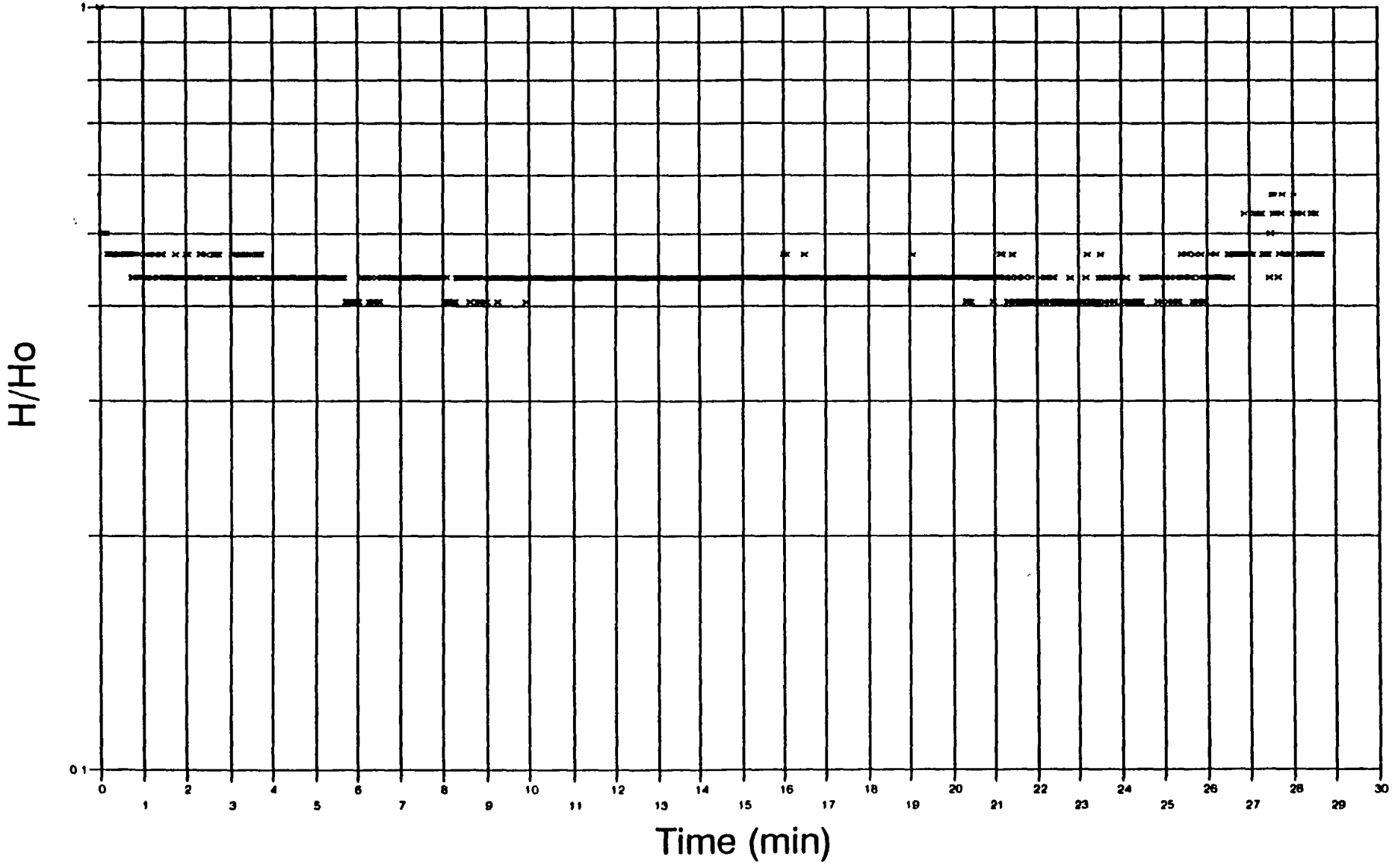
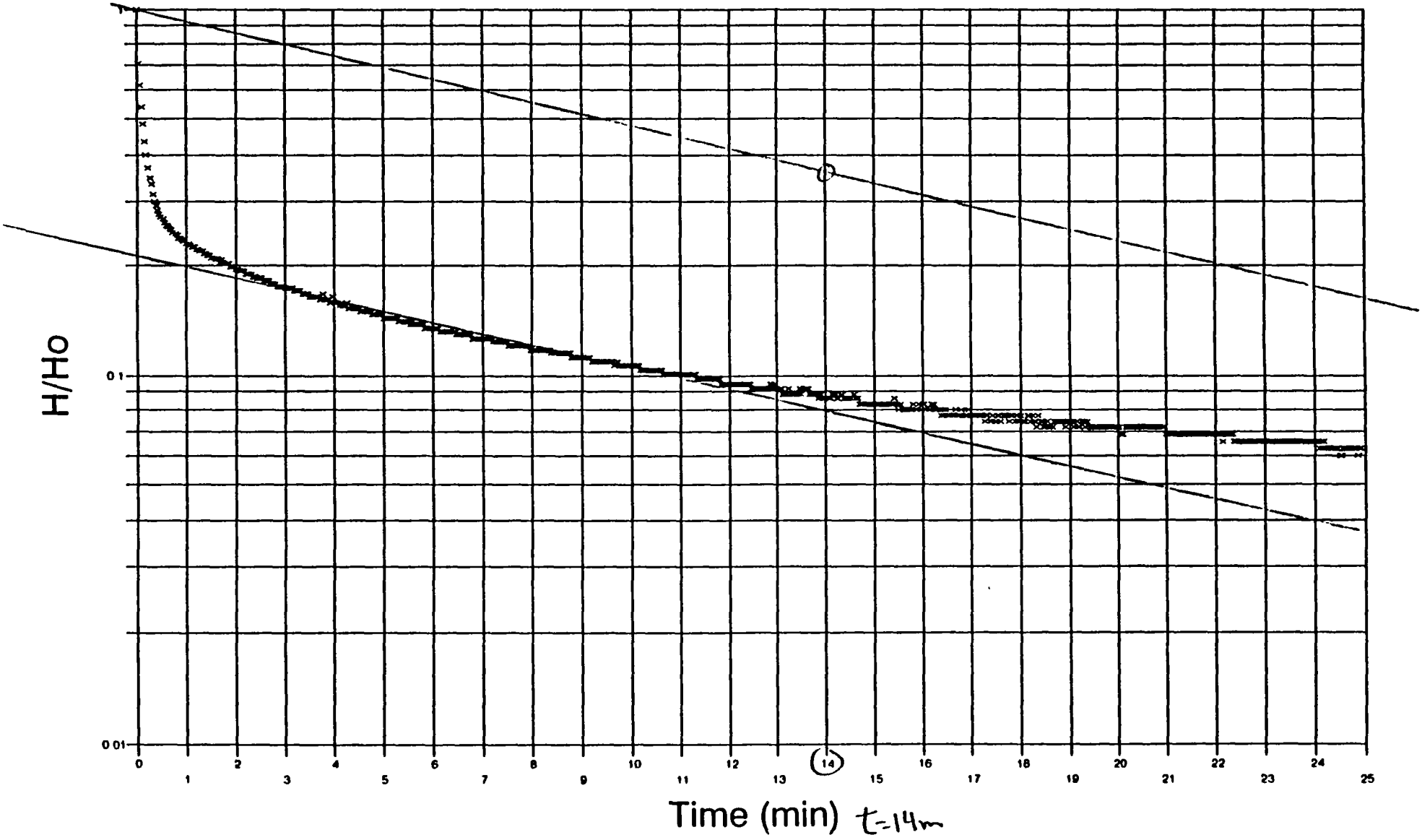
Hvorslev Method

S-3



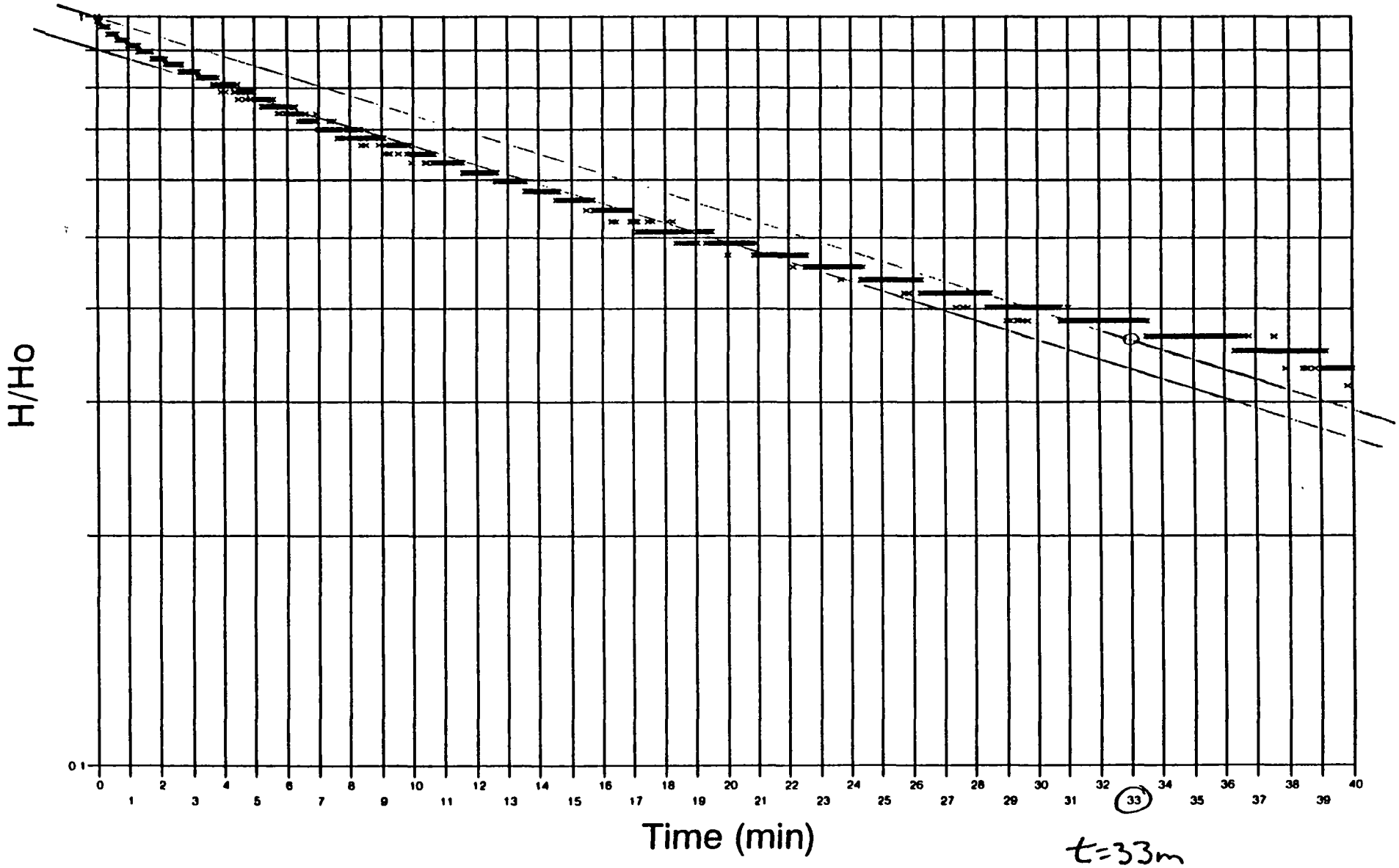
Hvorslev Method

S-4



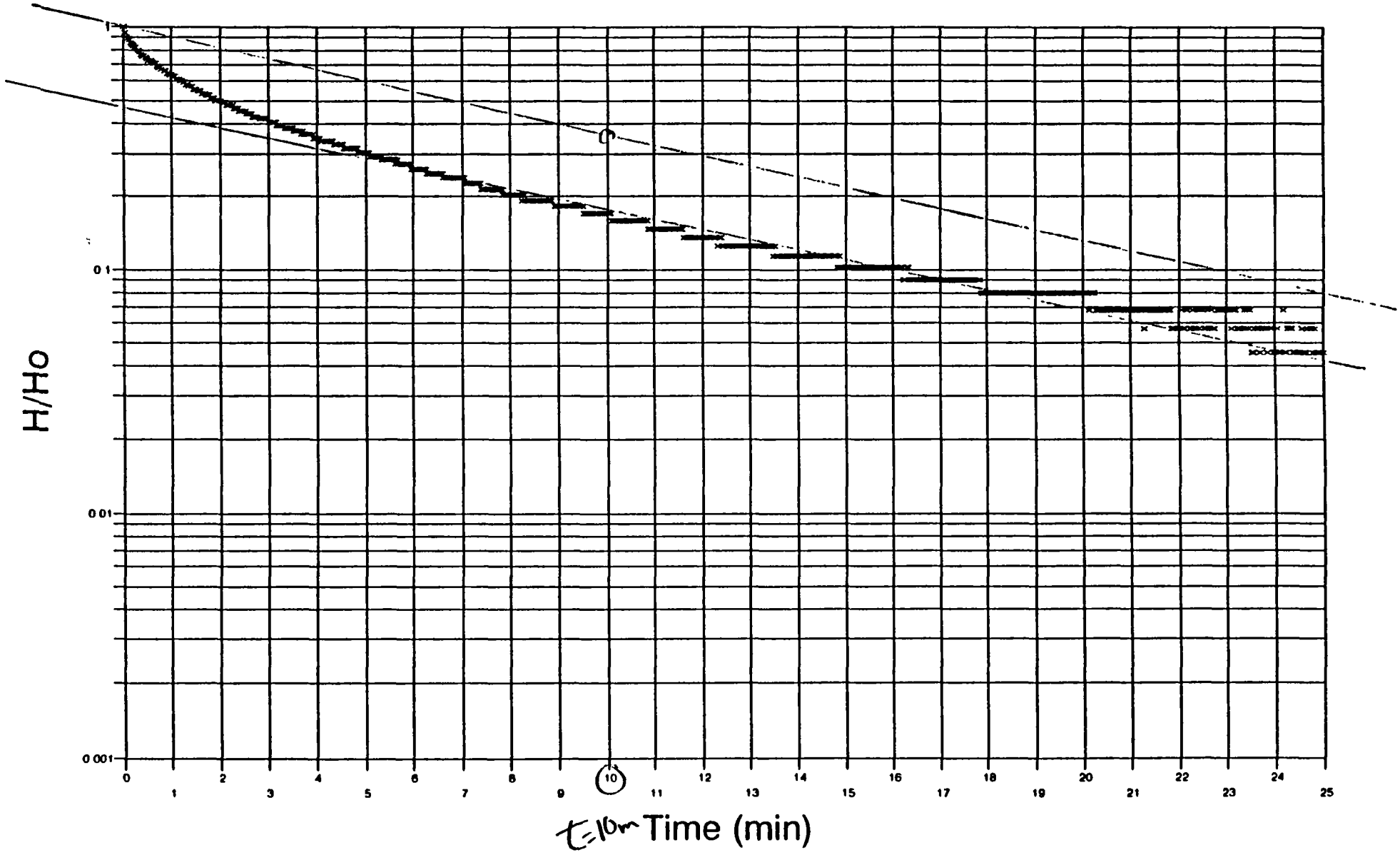
Hvorslev Method

S-6



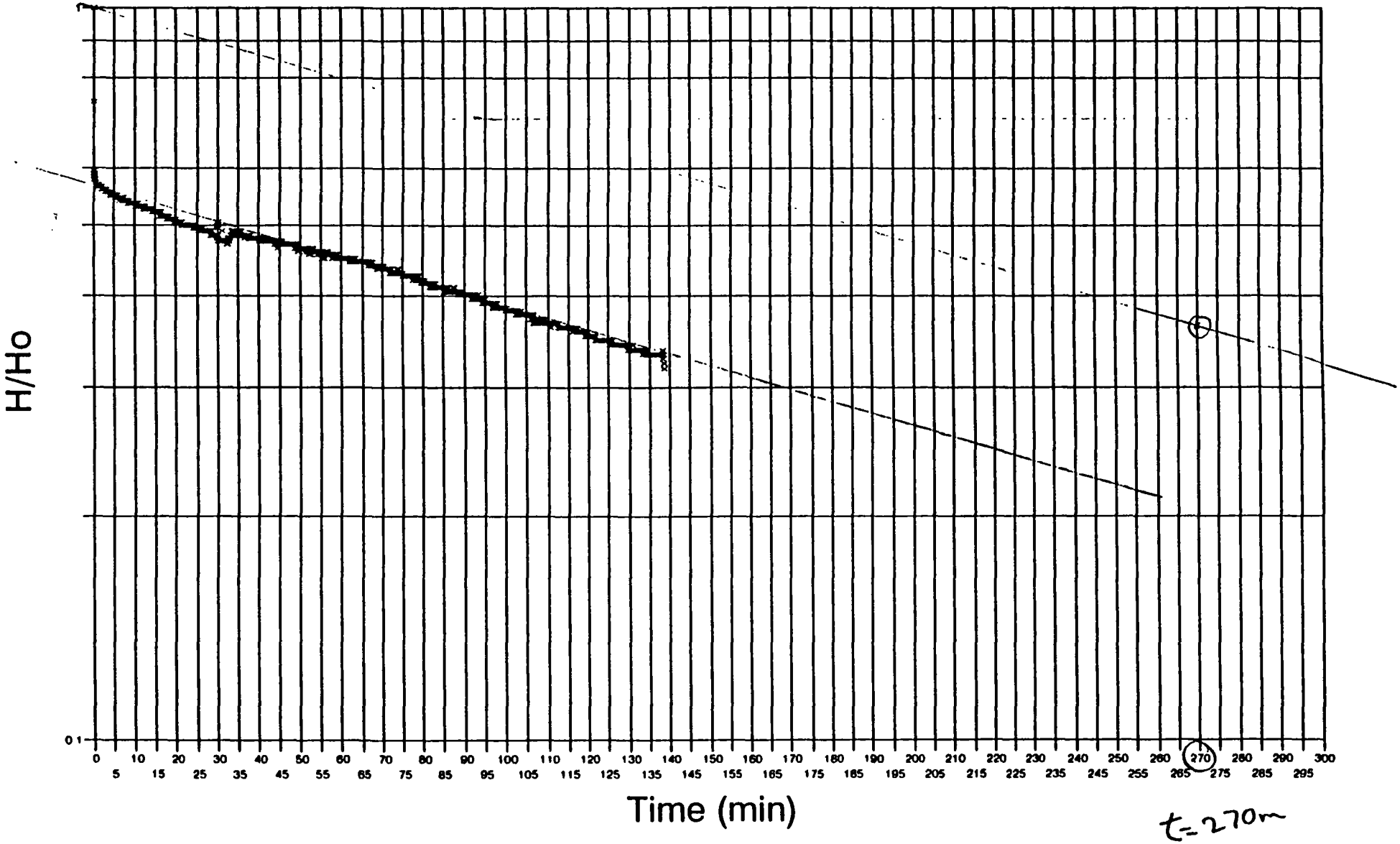
Hvorslev Method

S-7



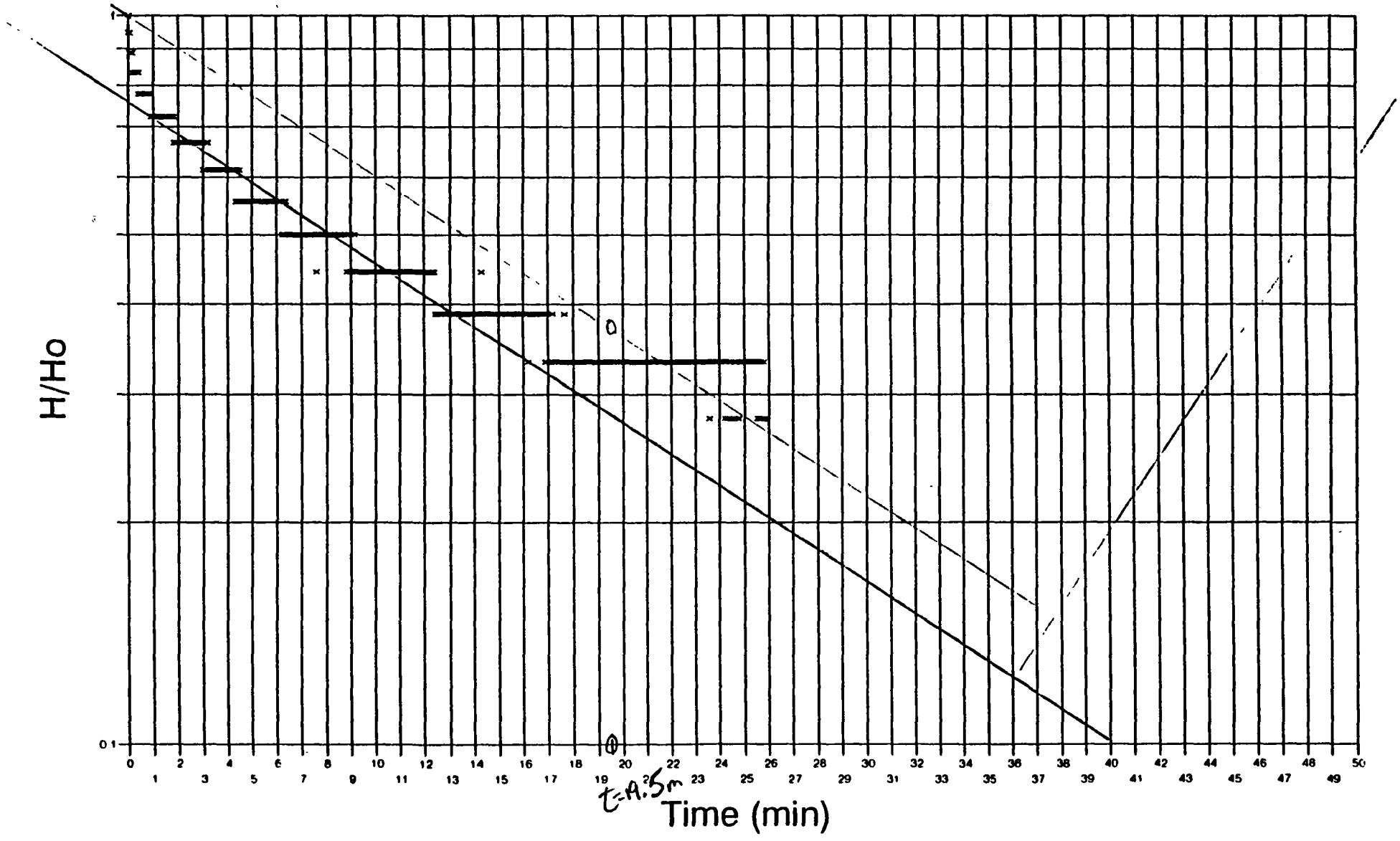
Hvorslev Method

S-9



Hvorslev Method

S-12



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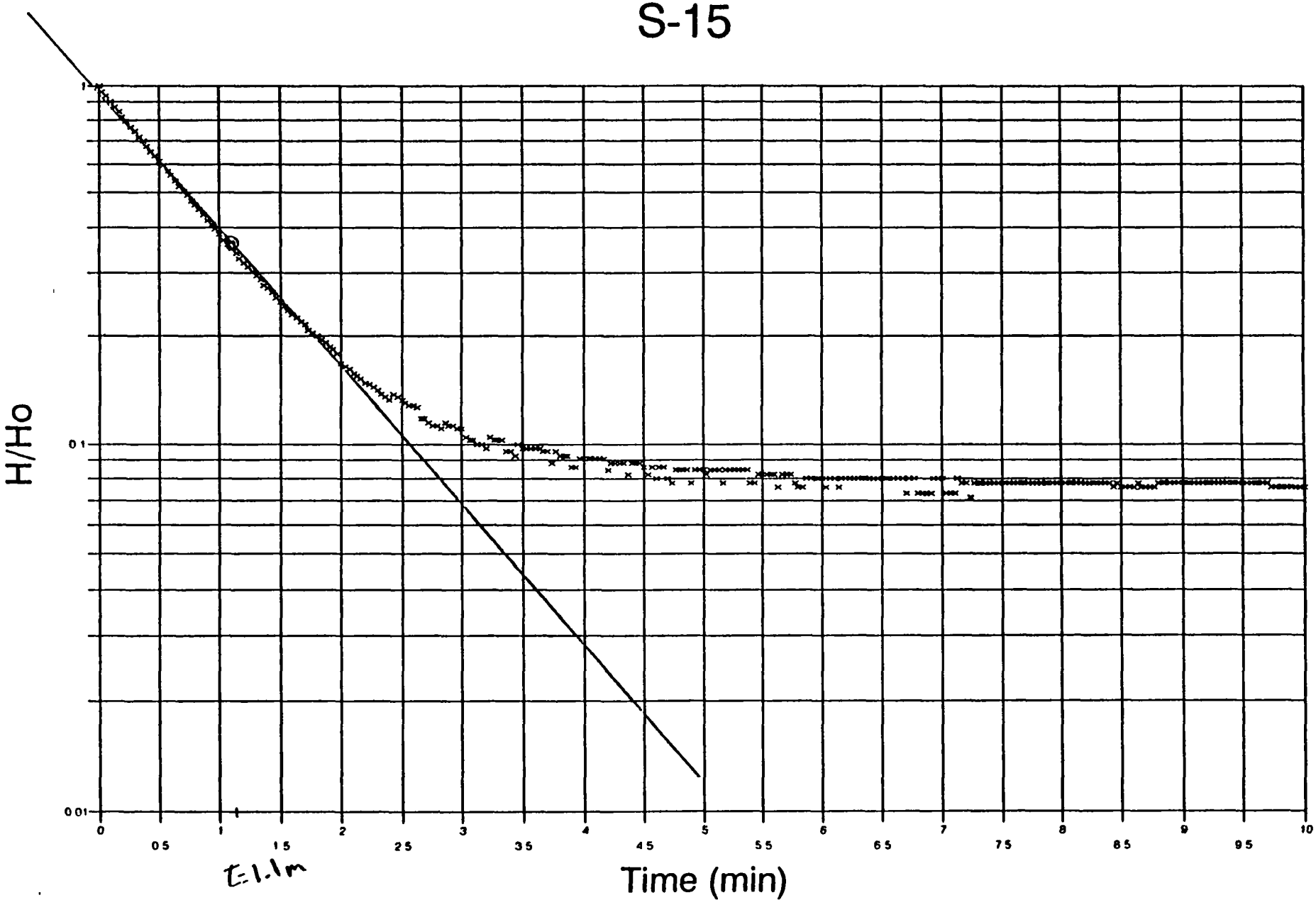

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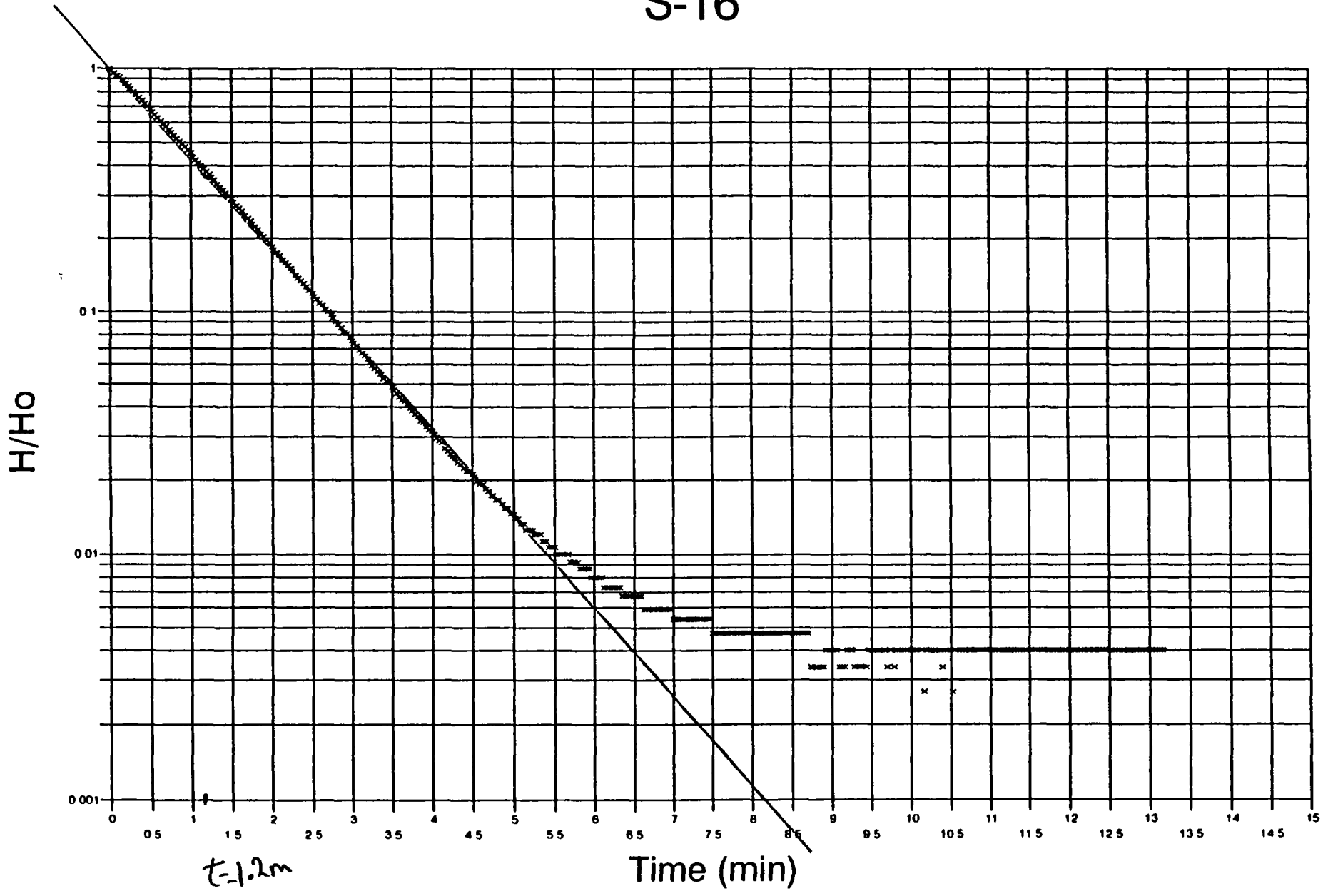

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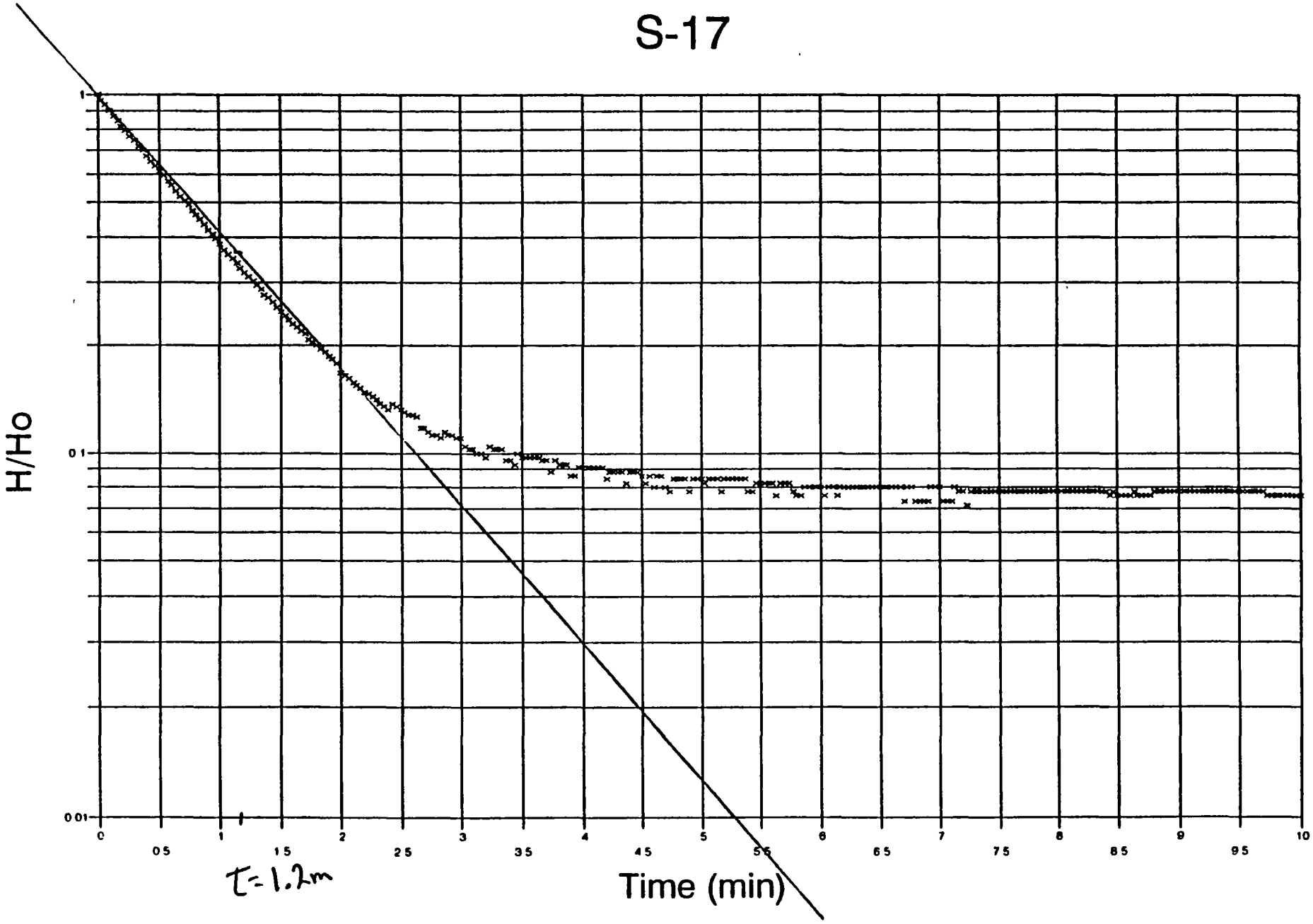

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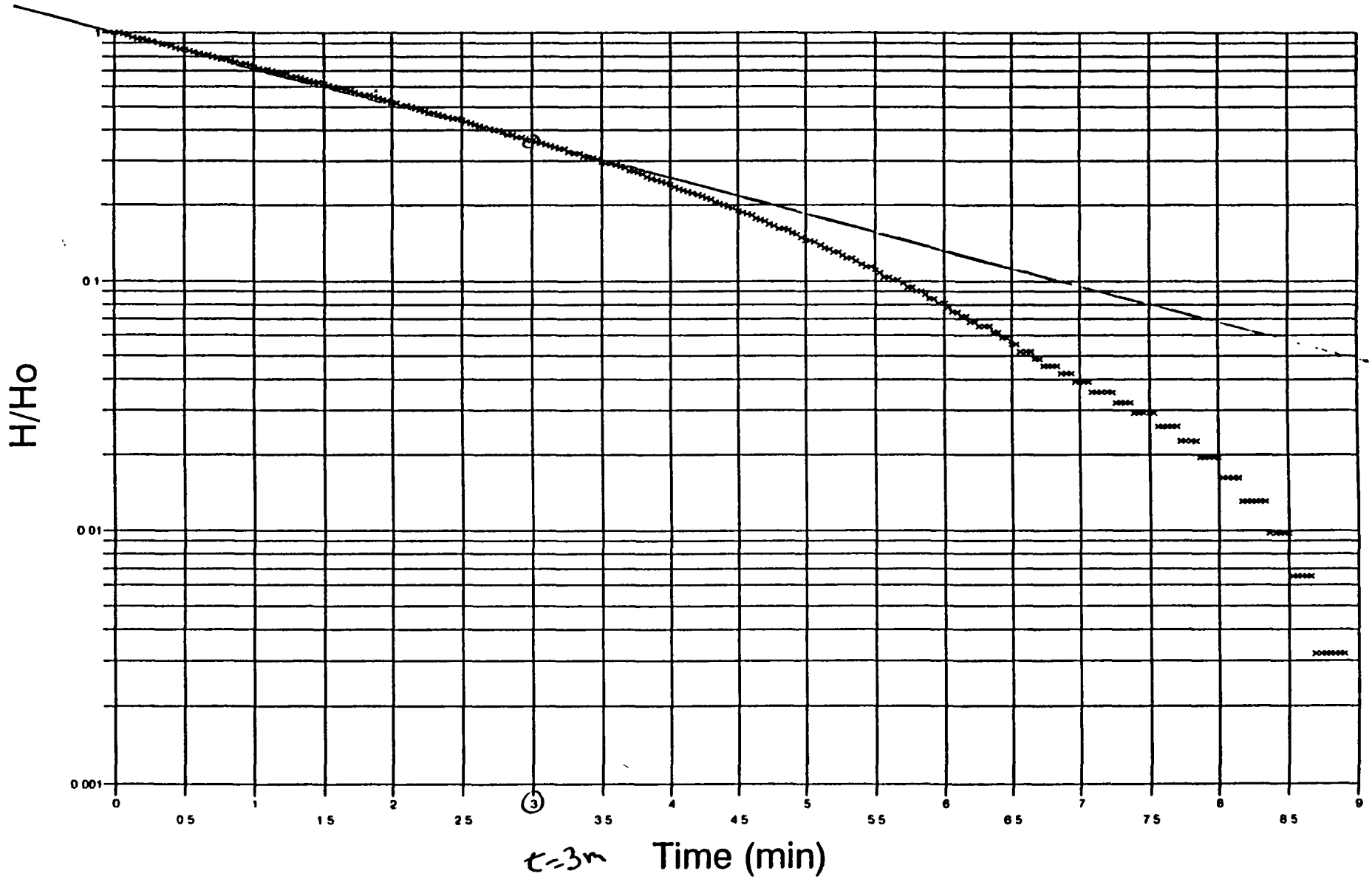

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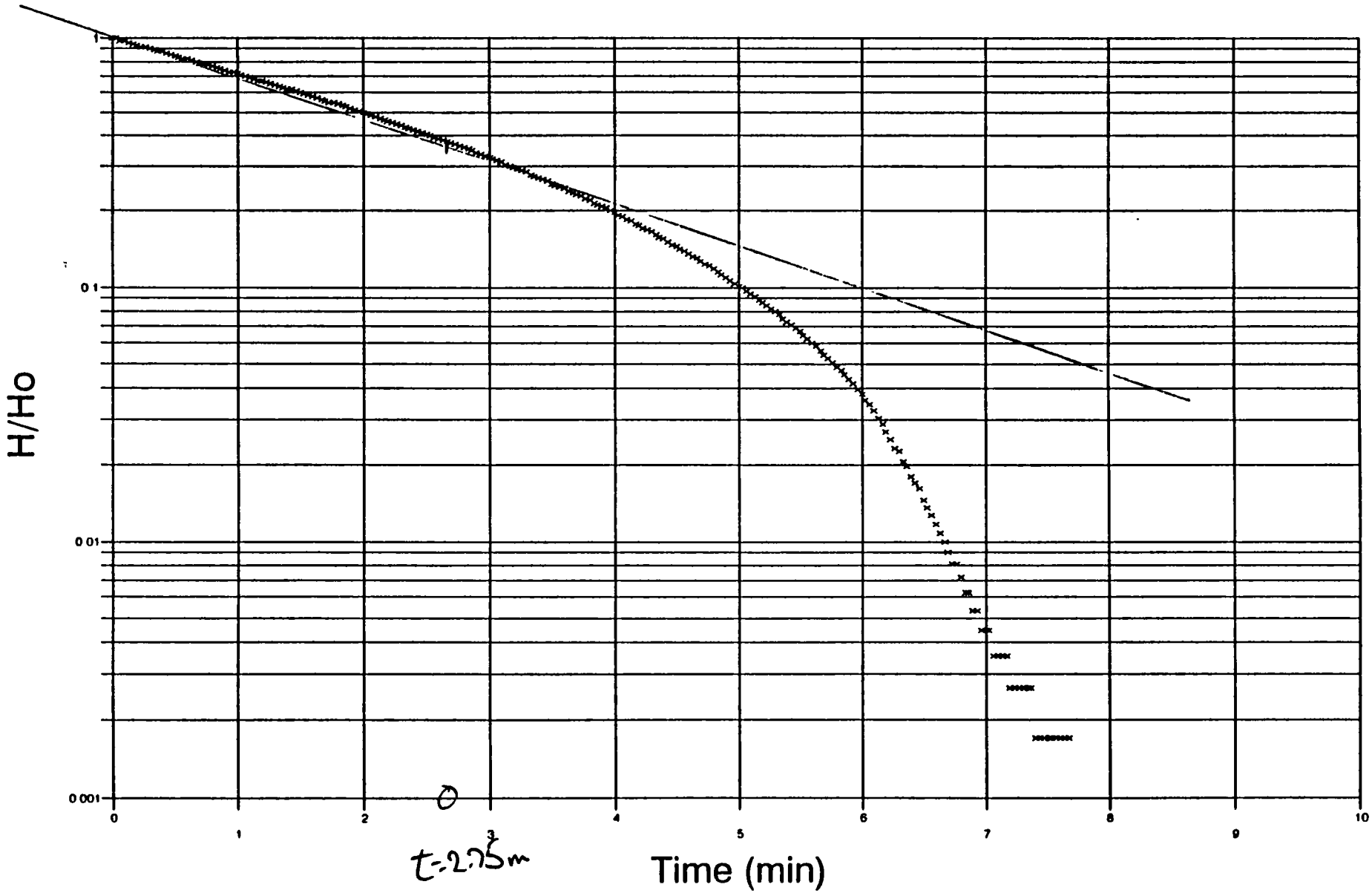

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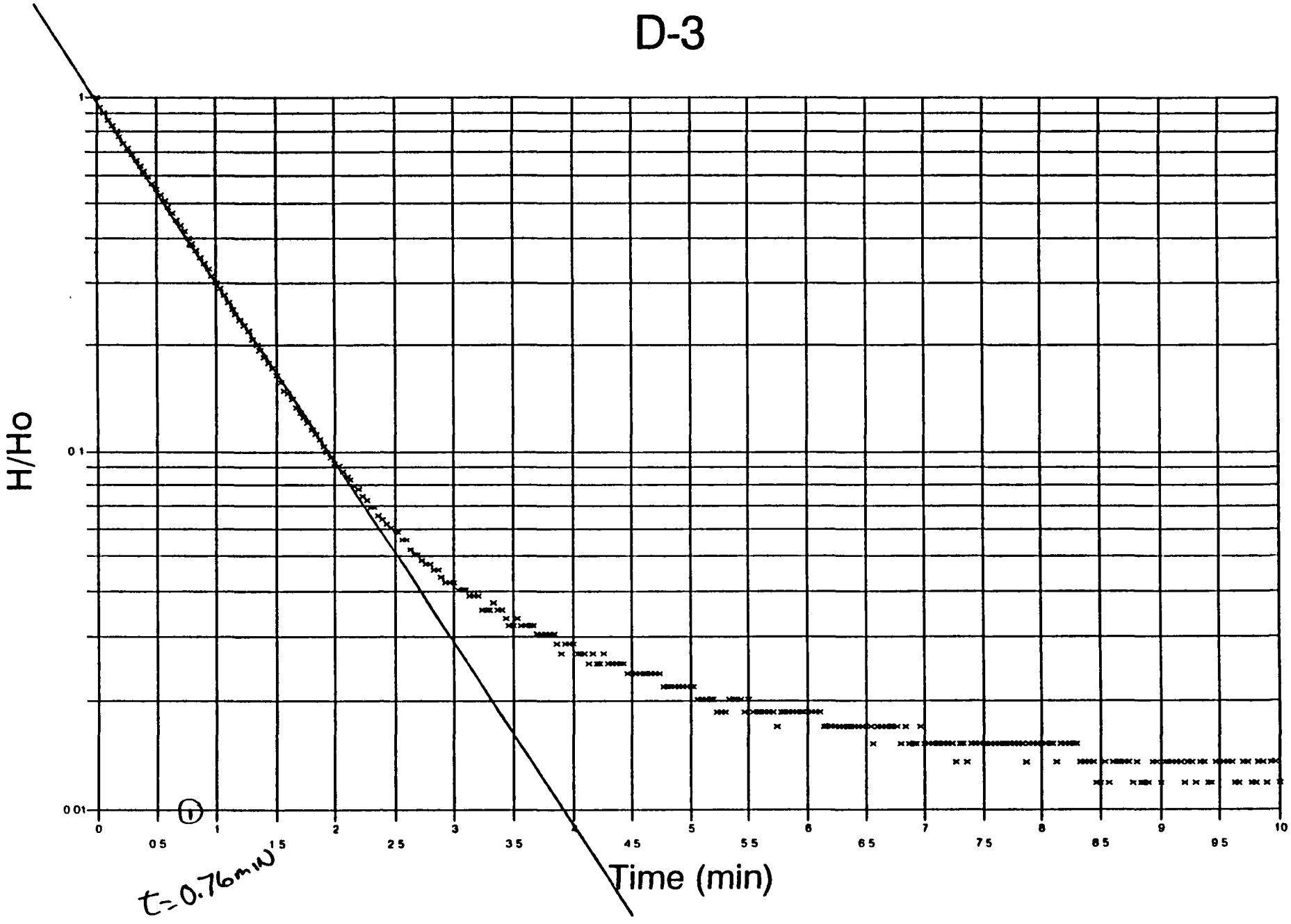

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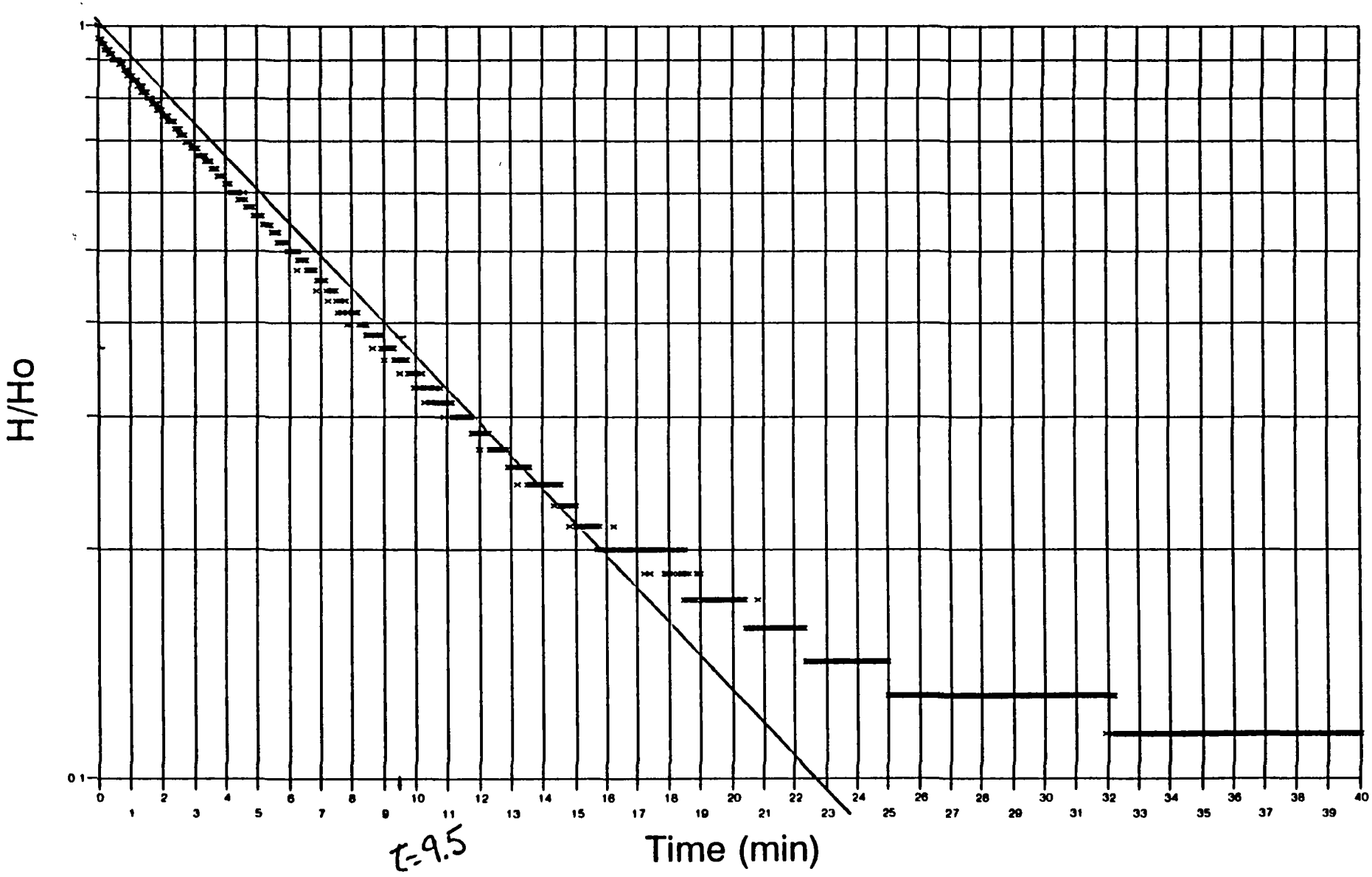

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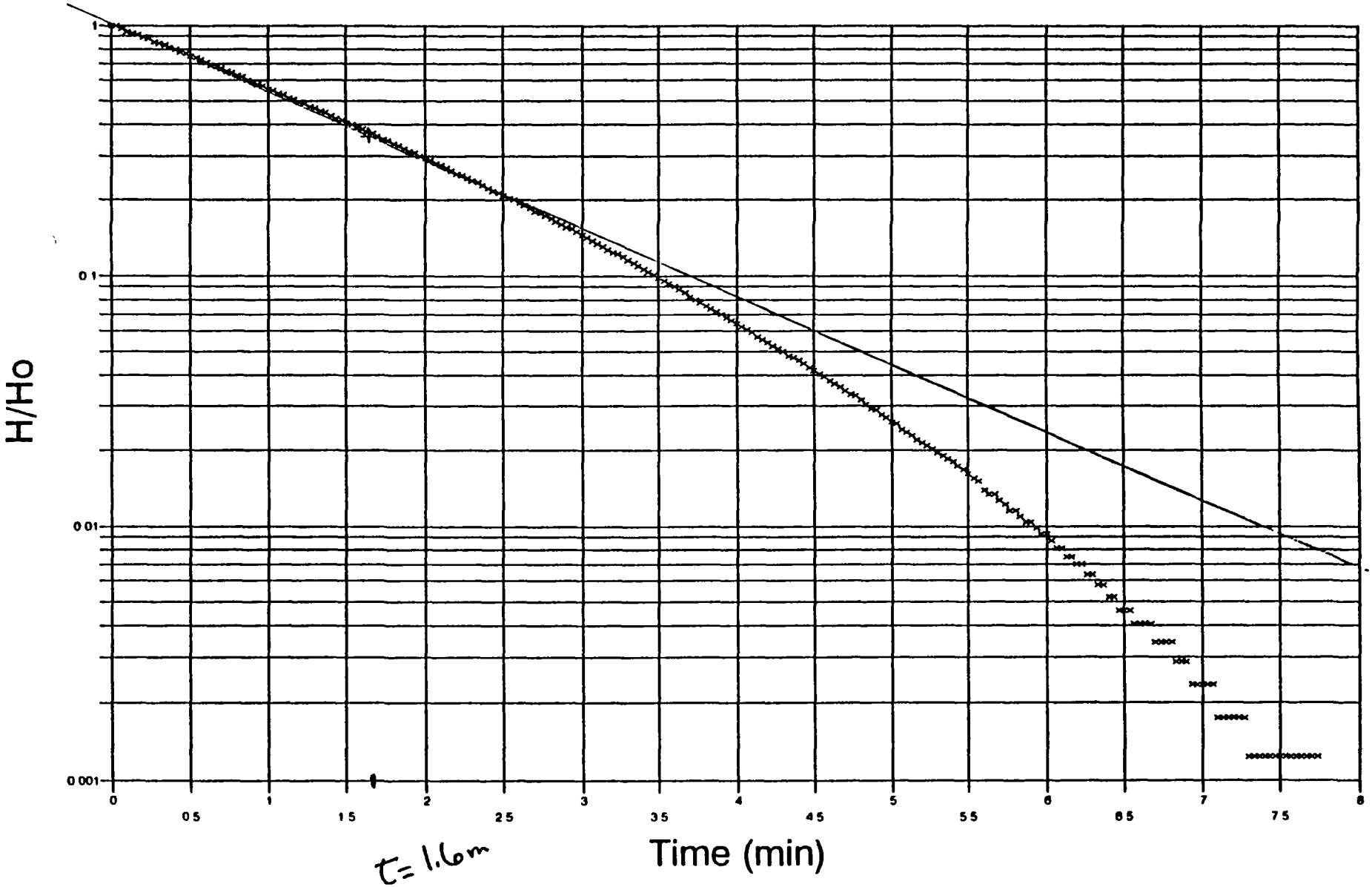

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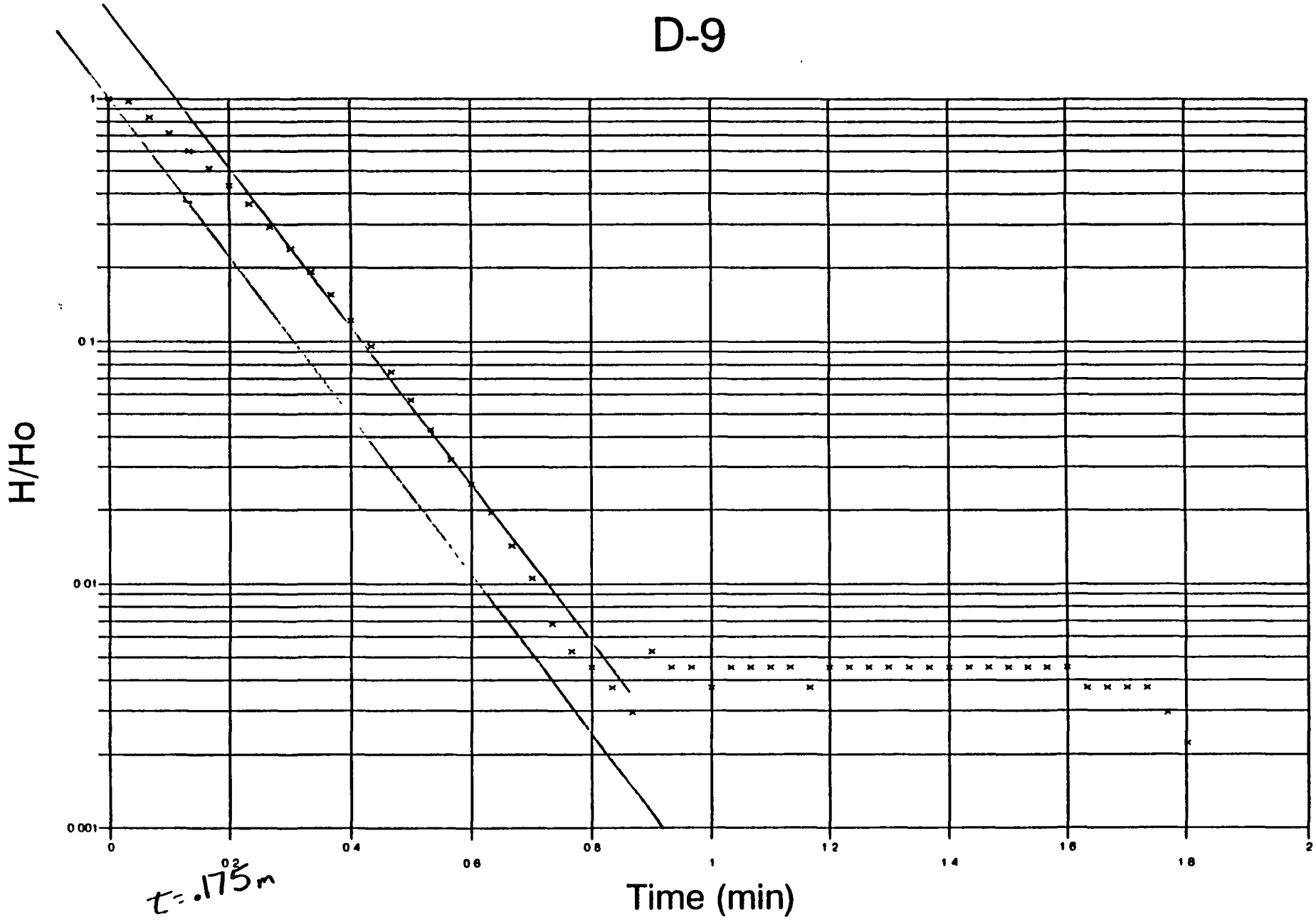

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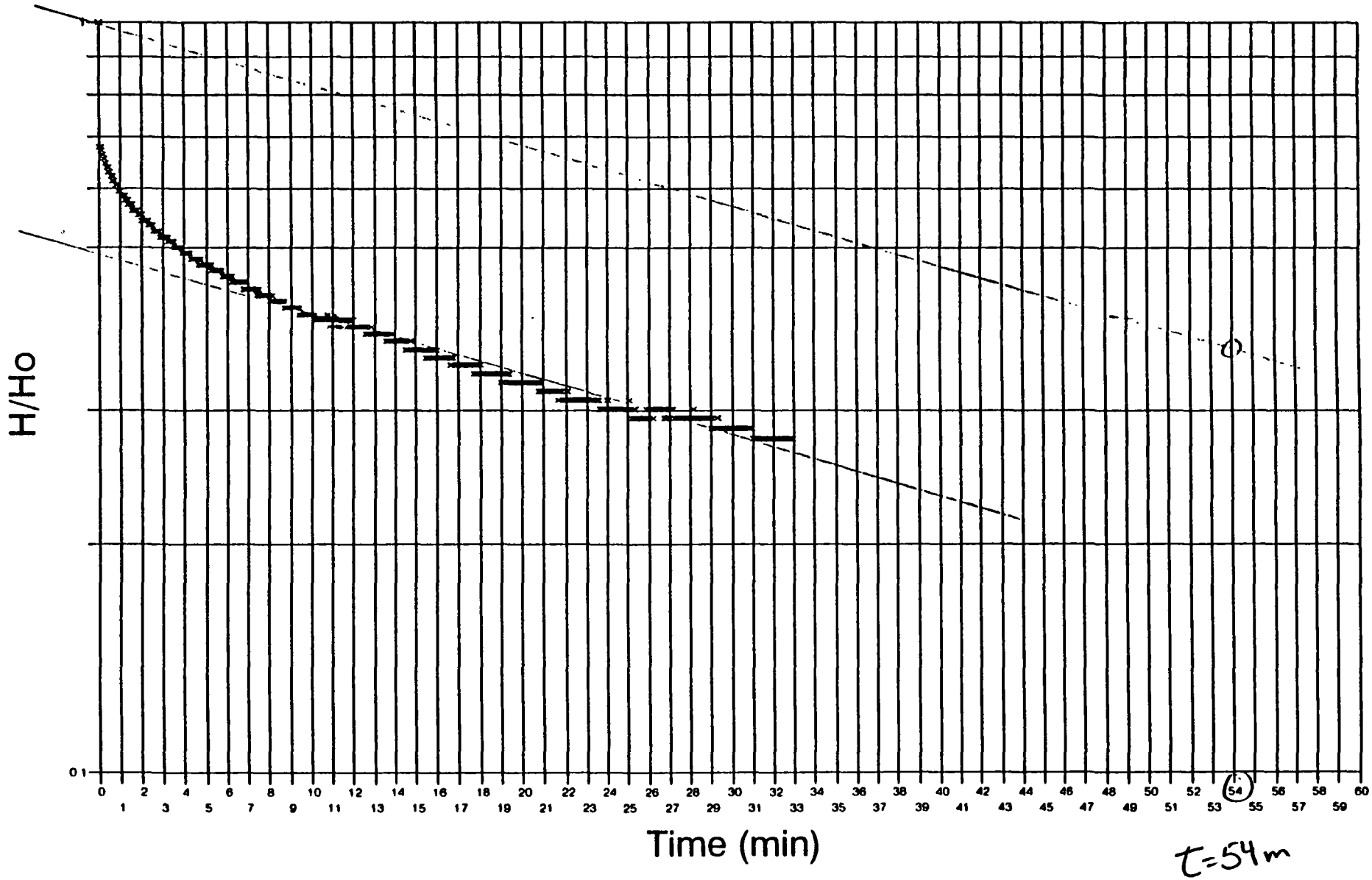

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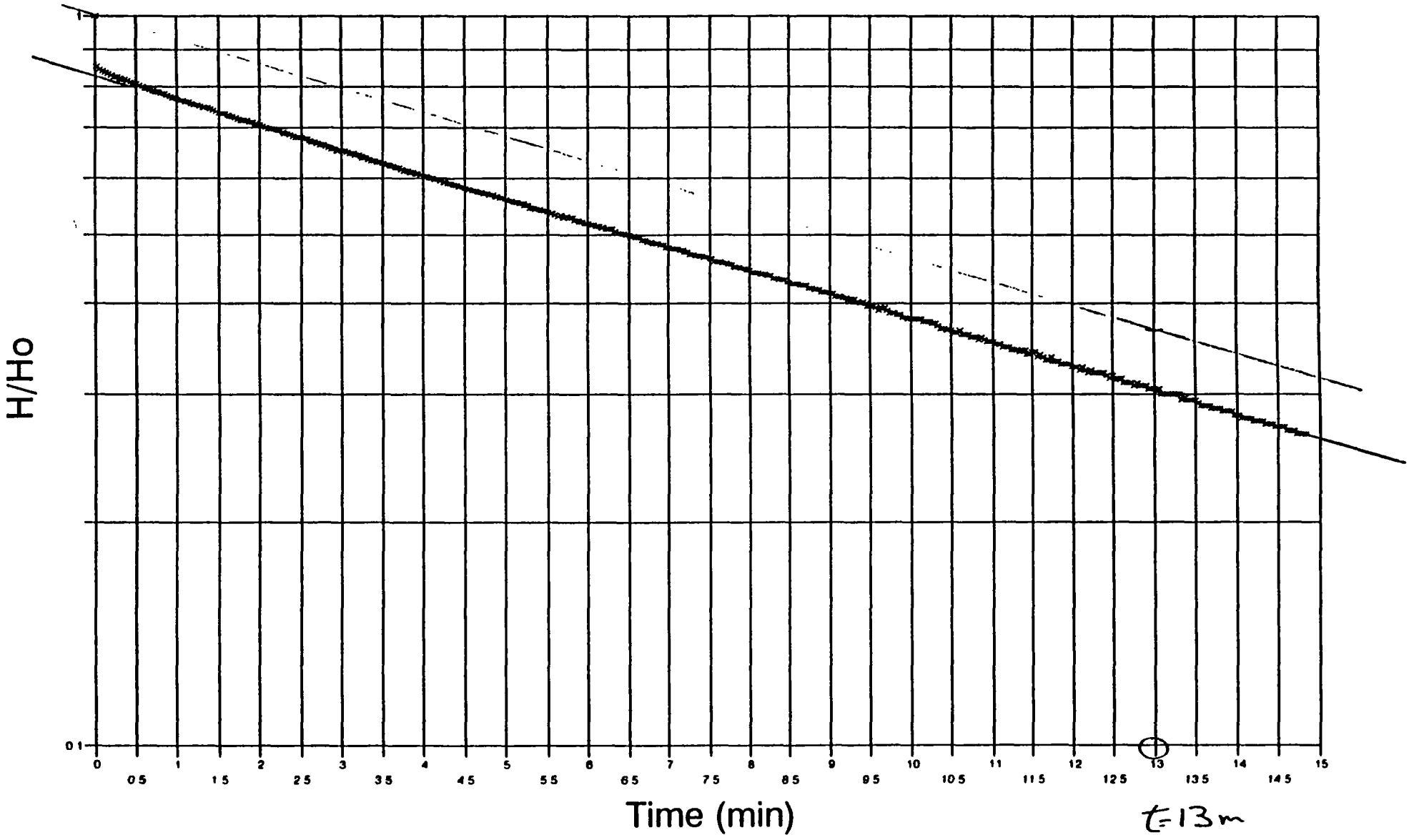

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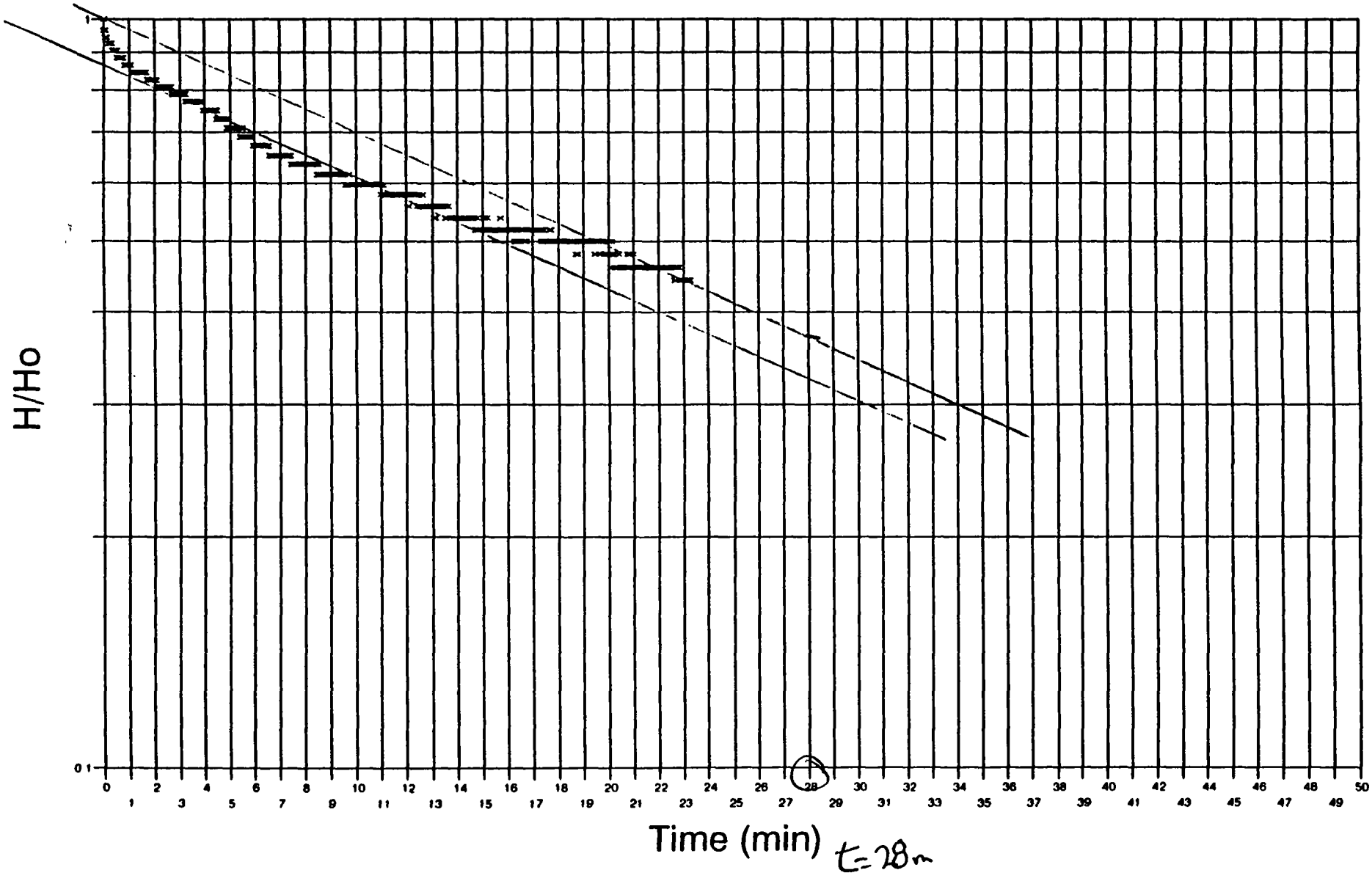

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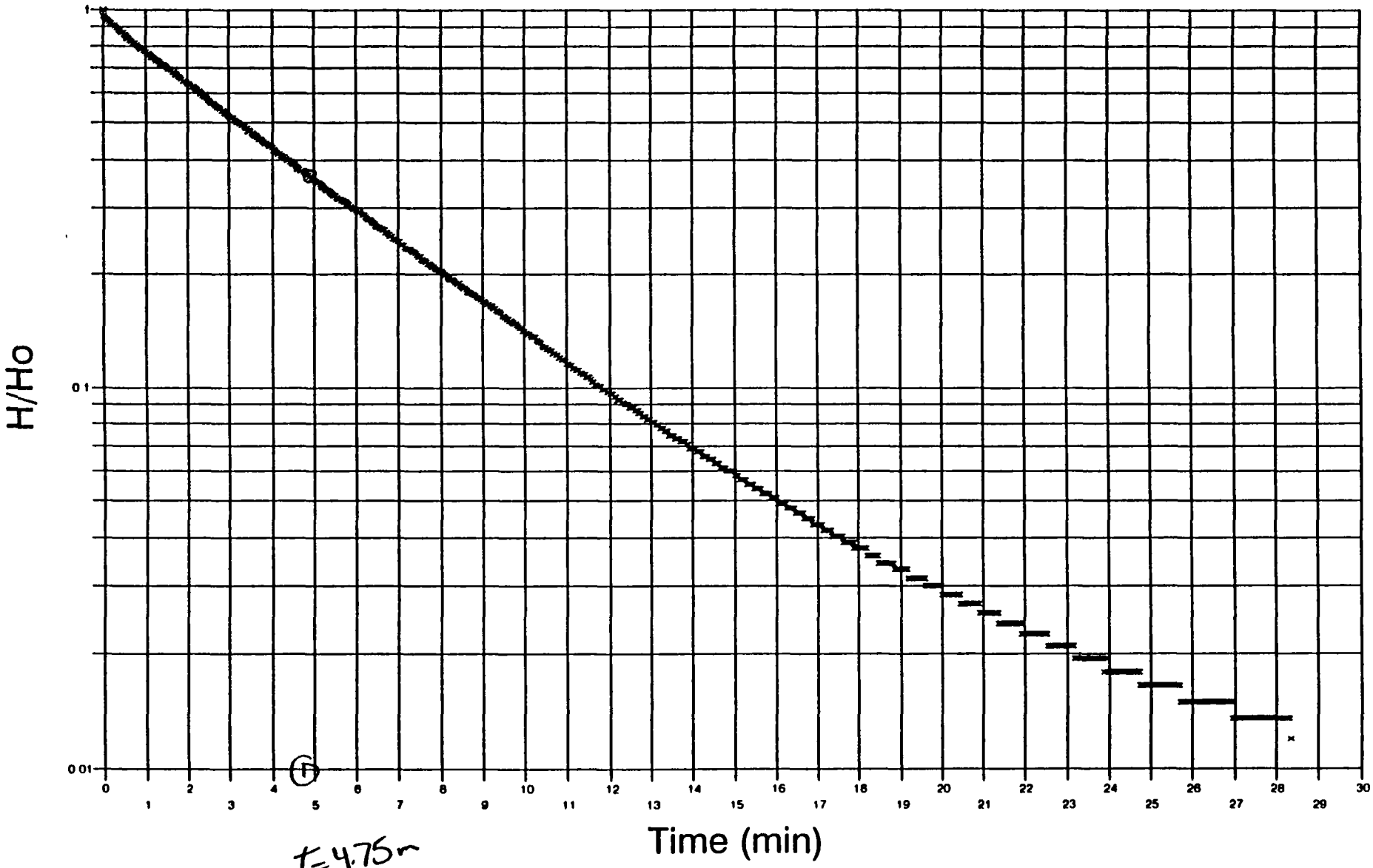

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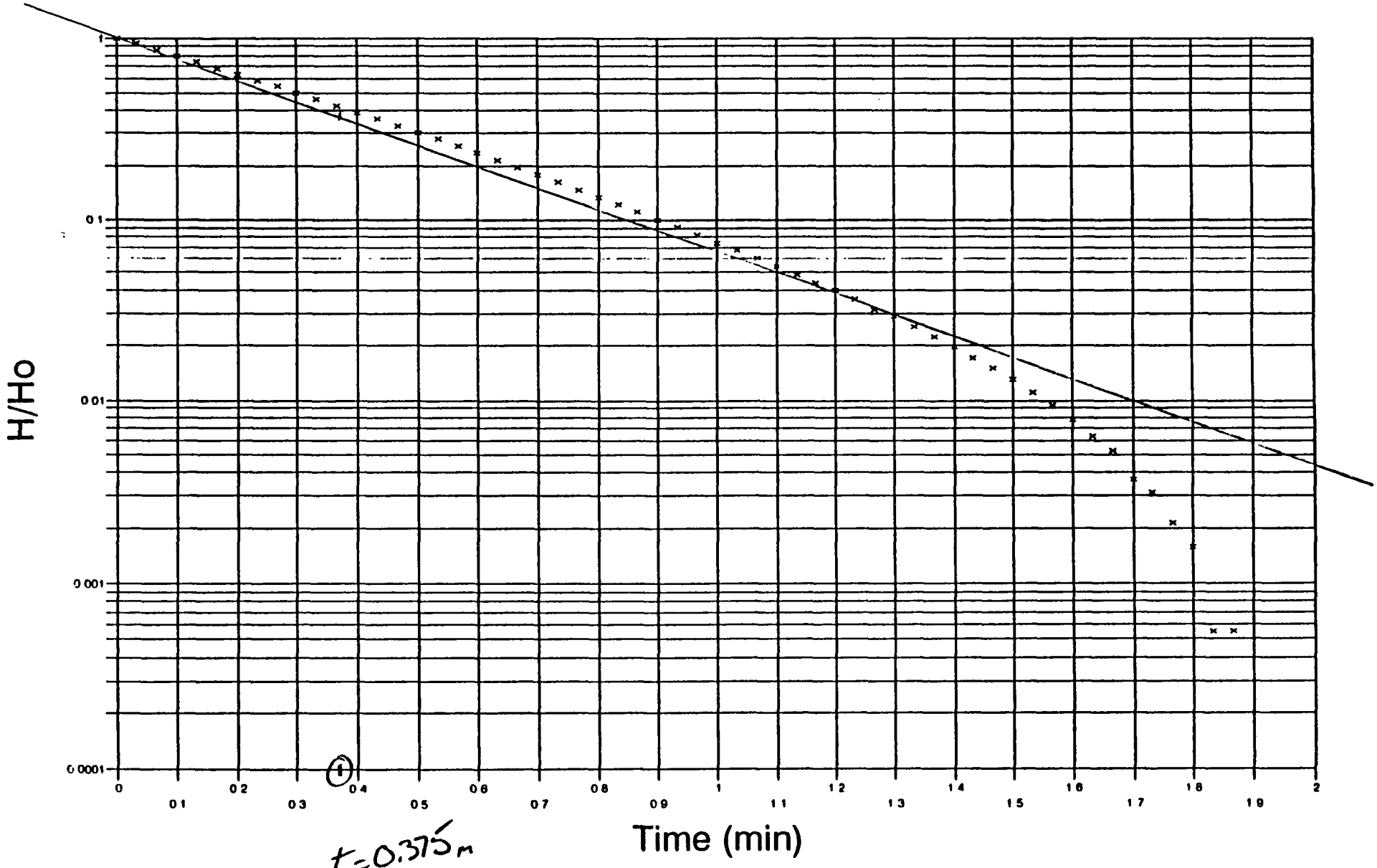

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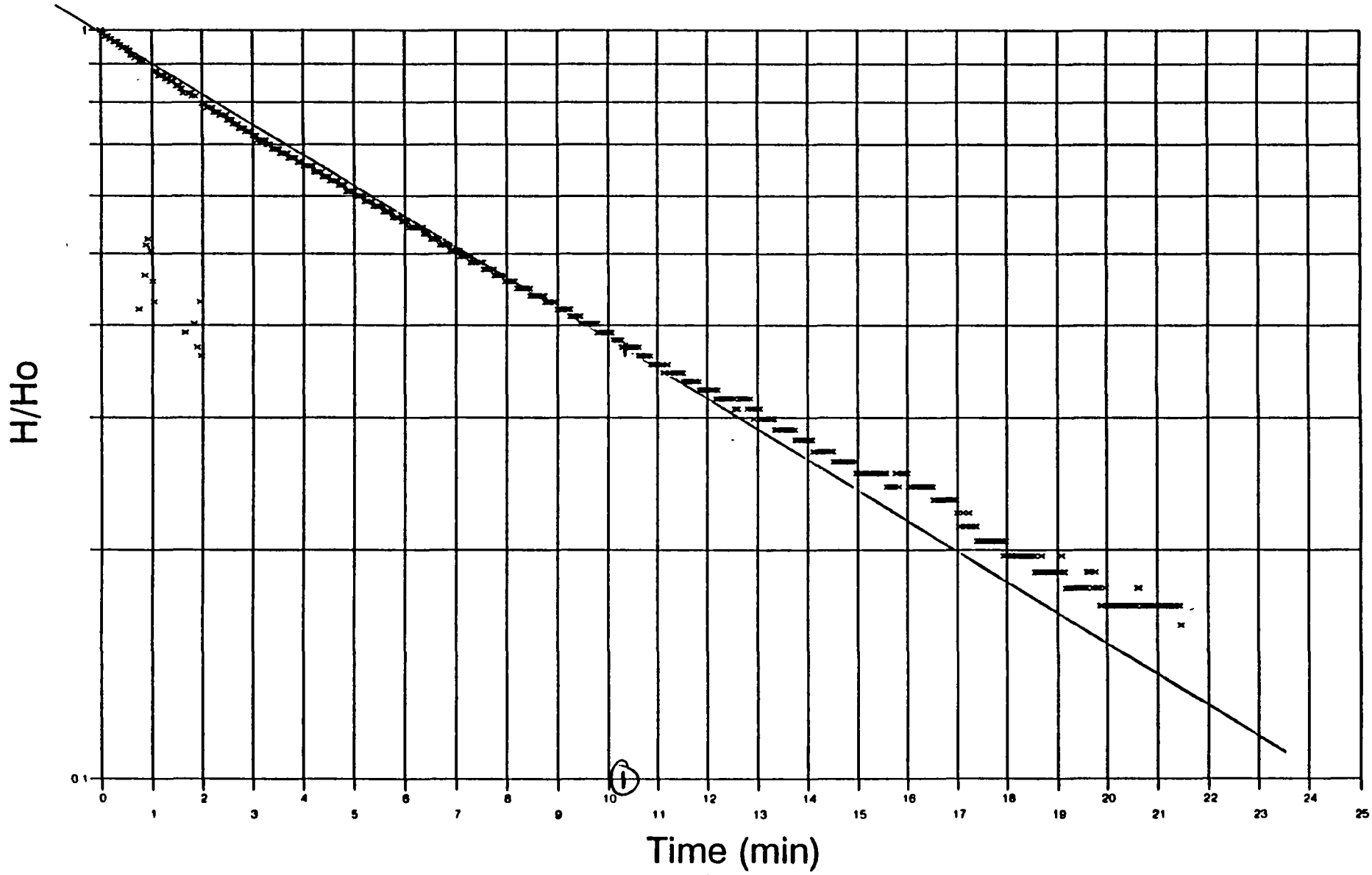

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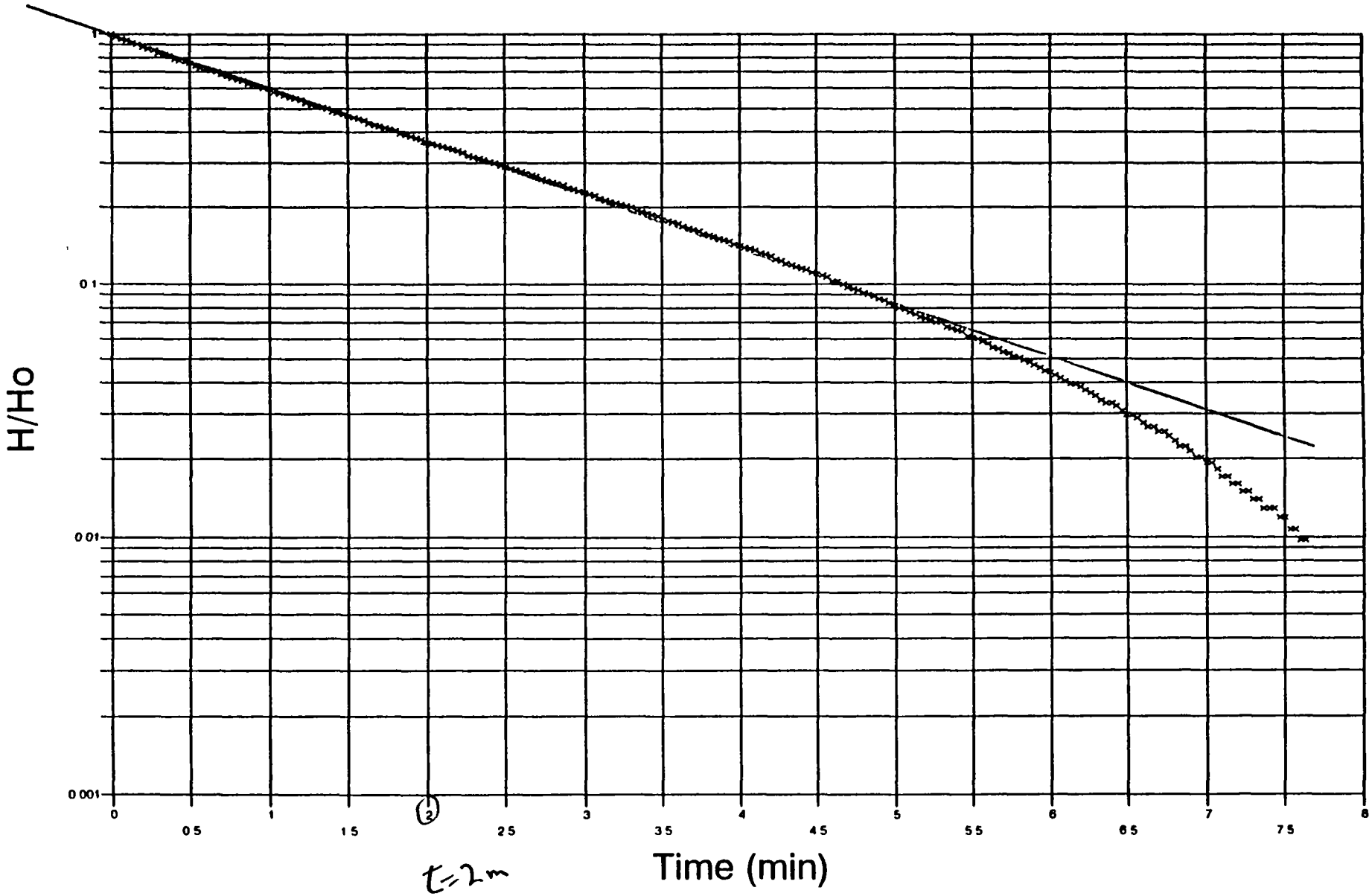

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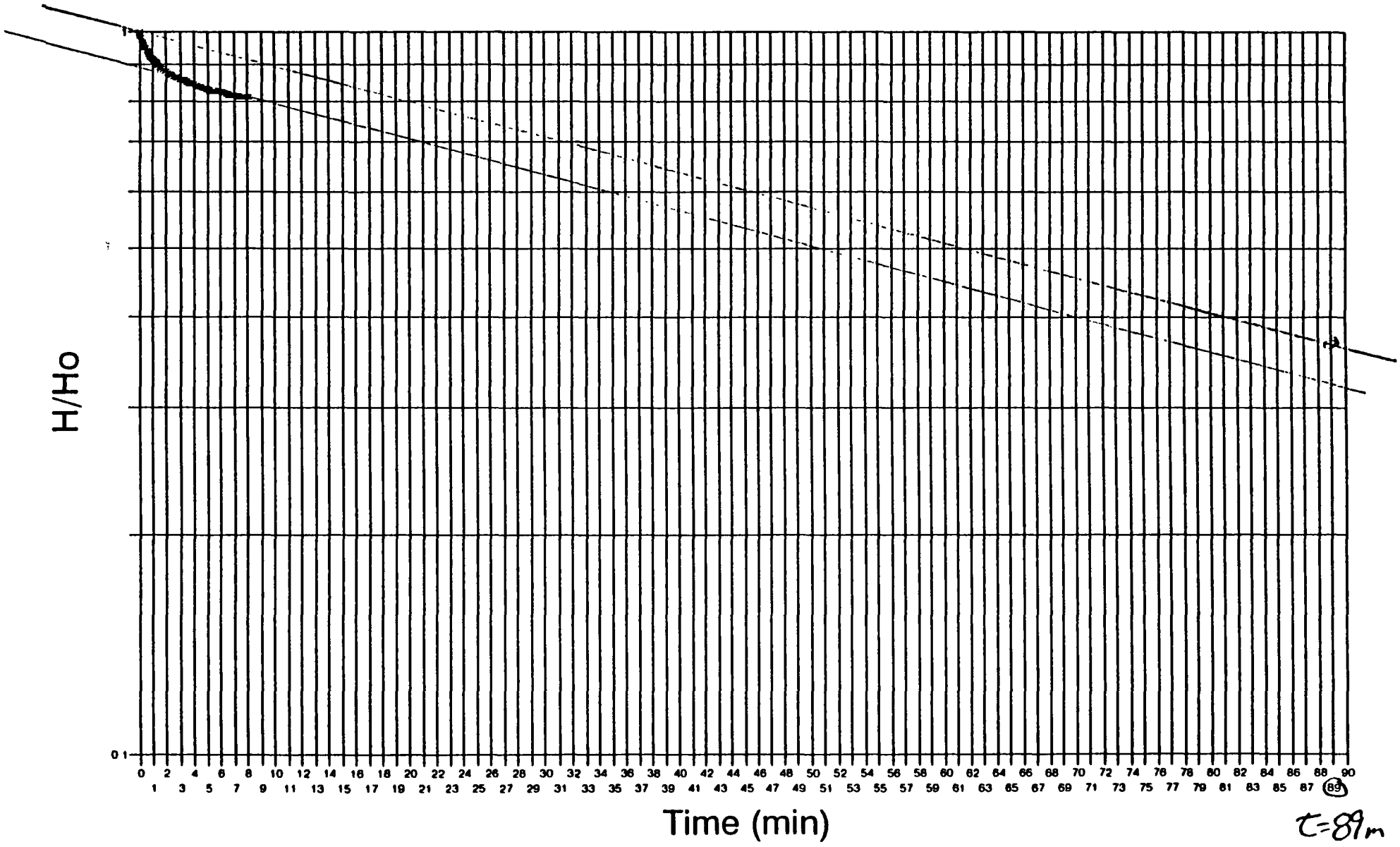

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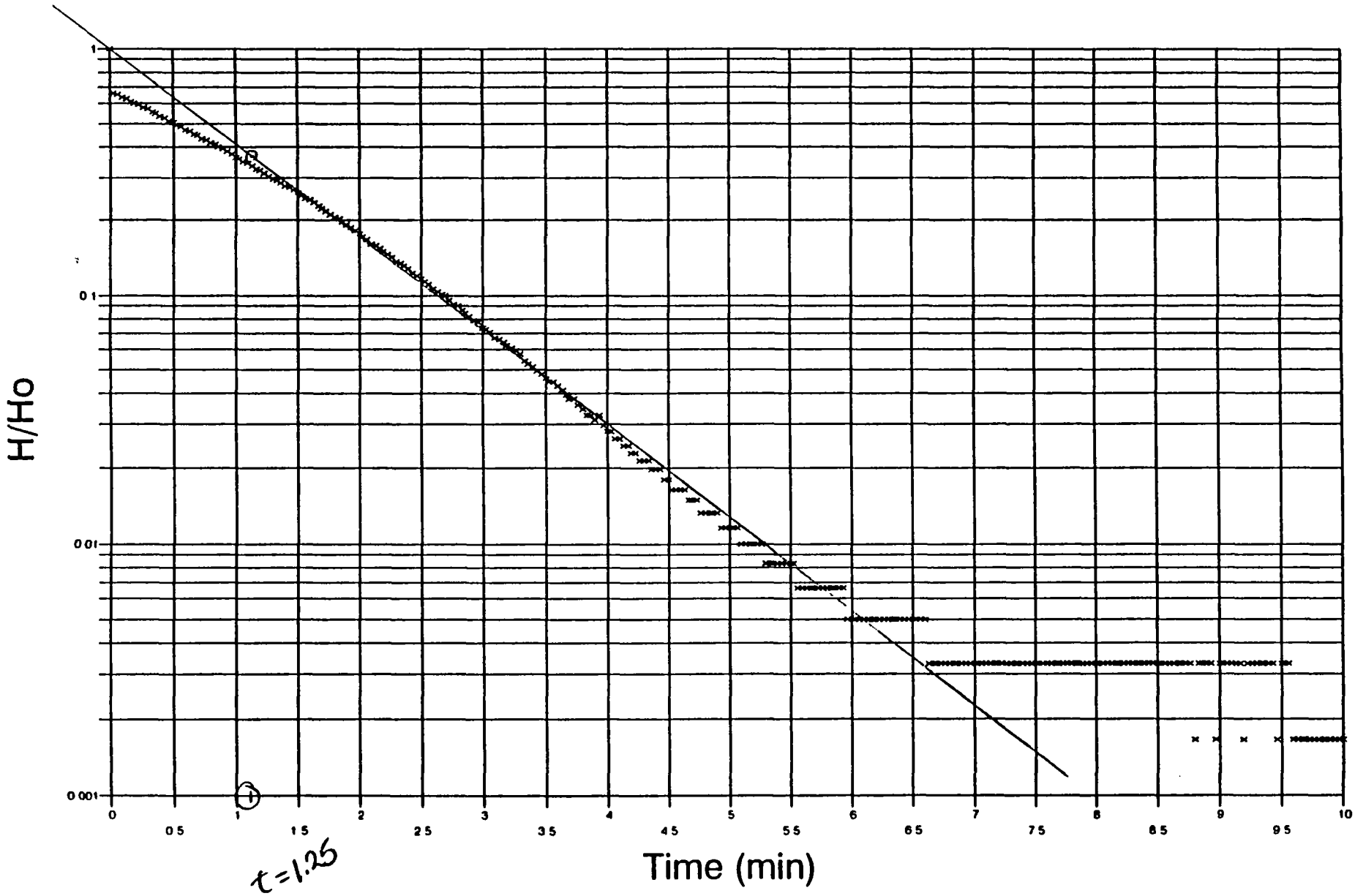

Hvorslev Method

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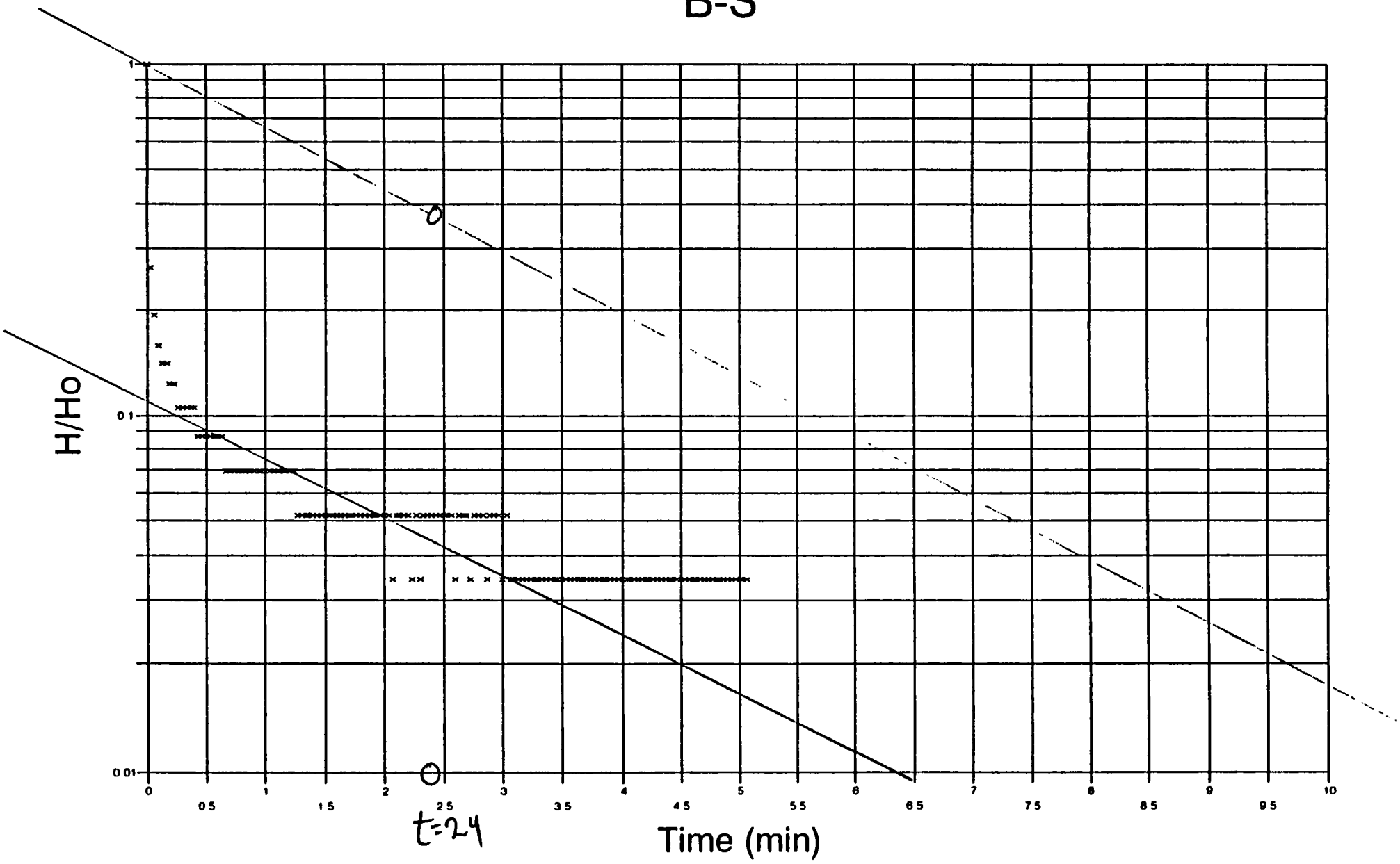

Hvorslev Method

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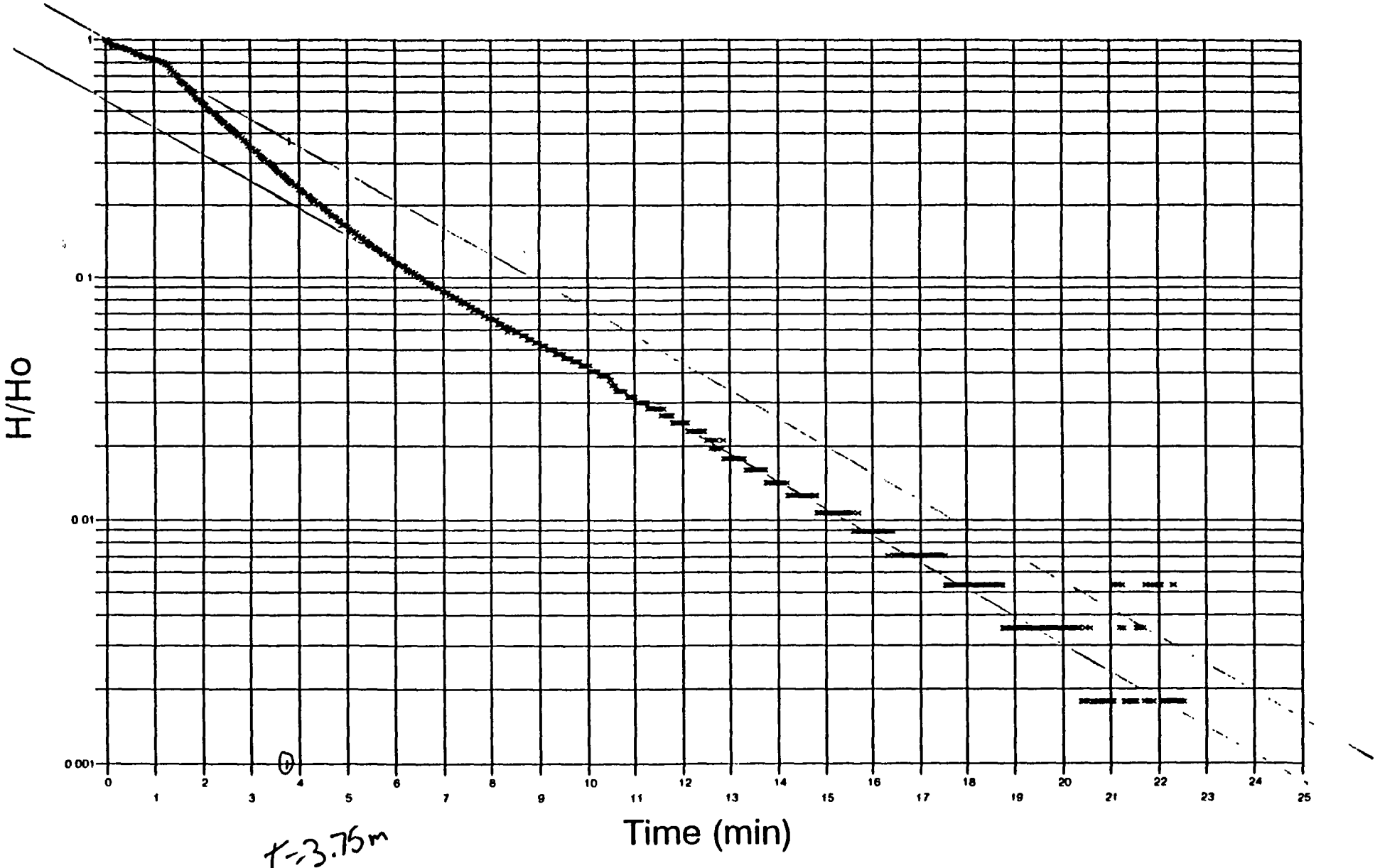

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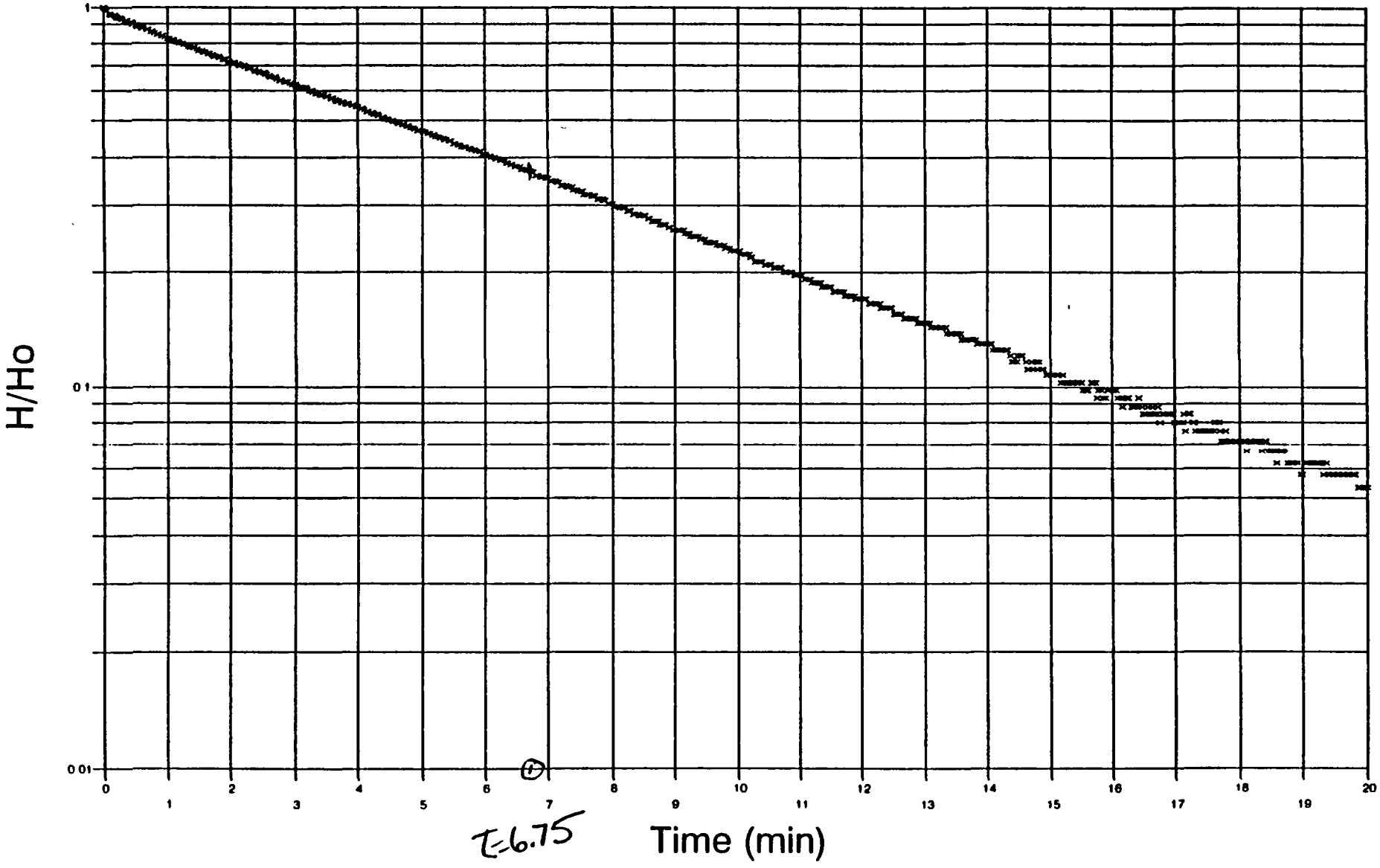

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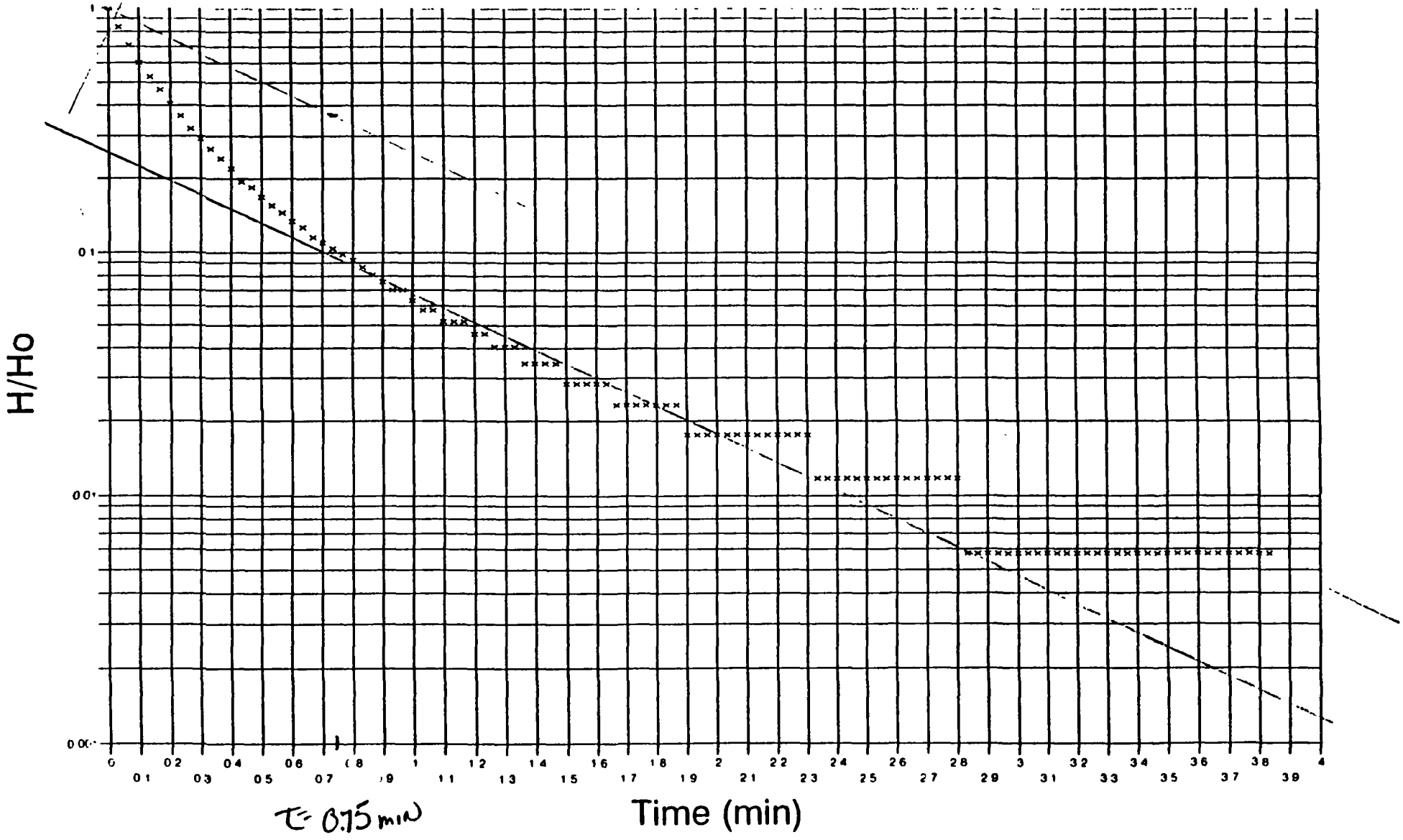

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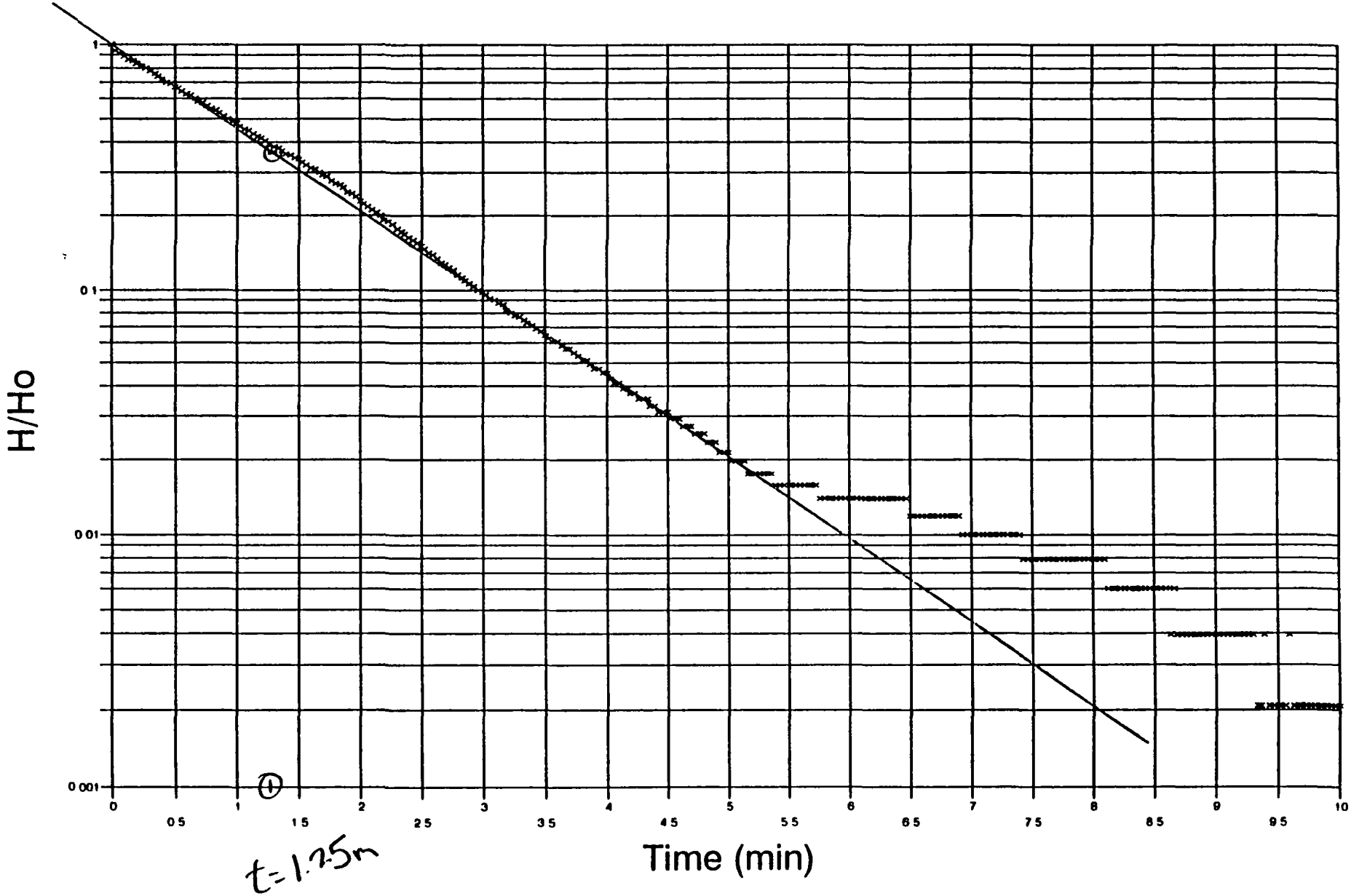

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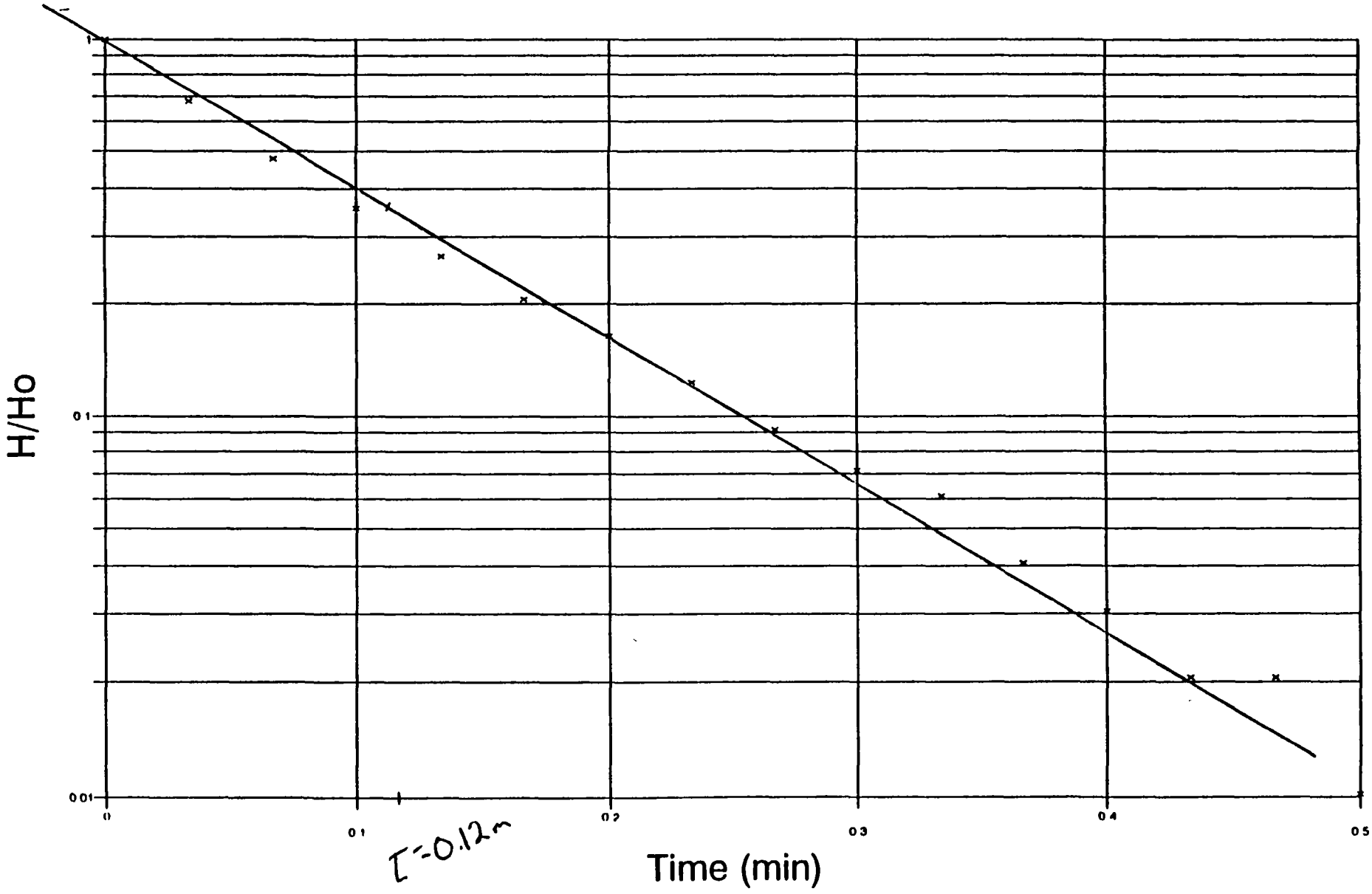

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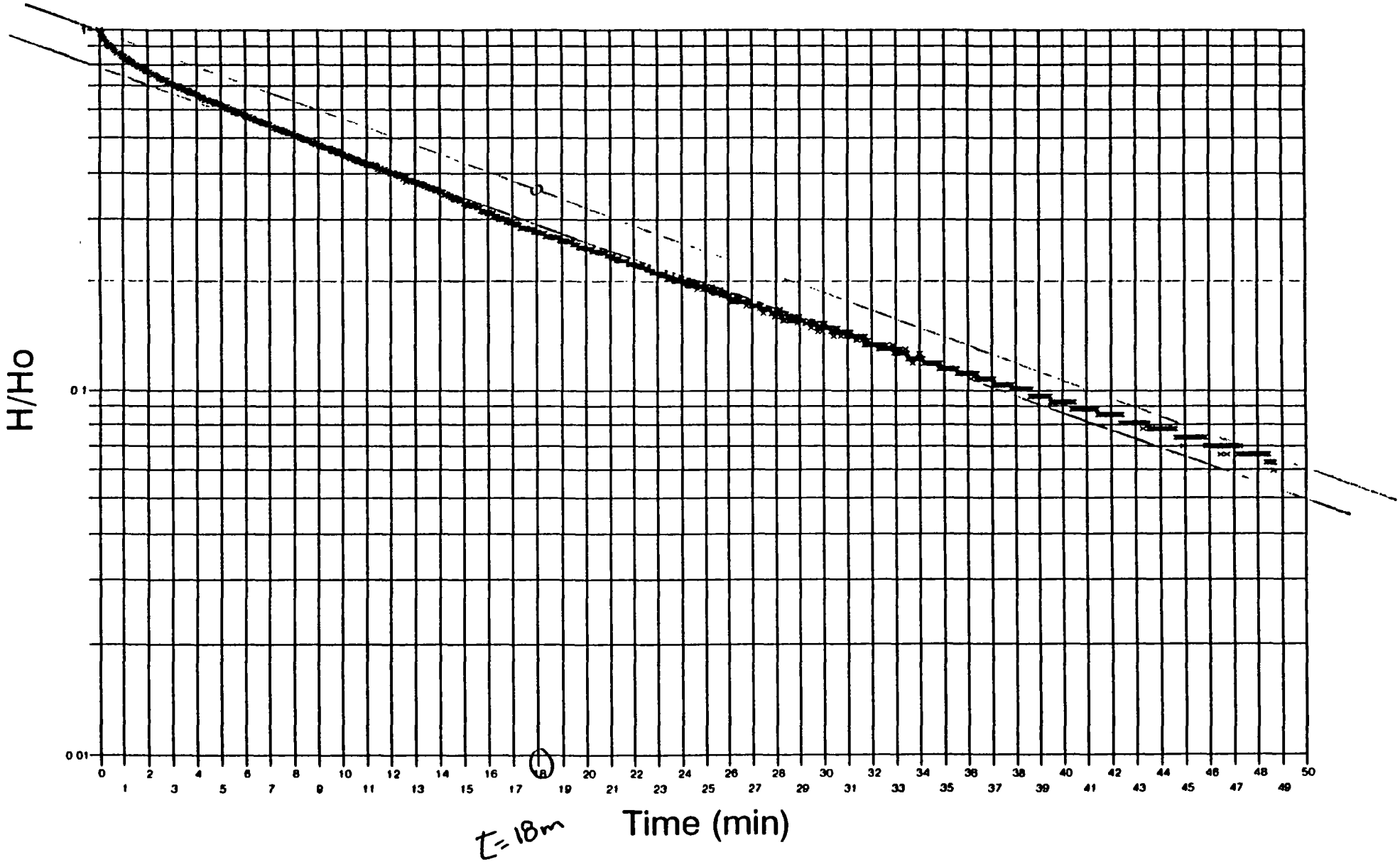

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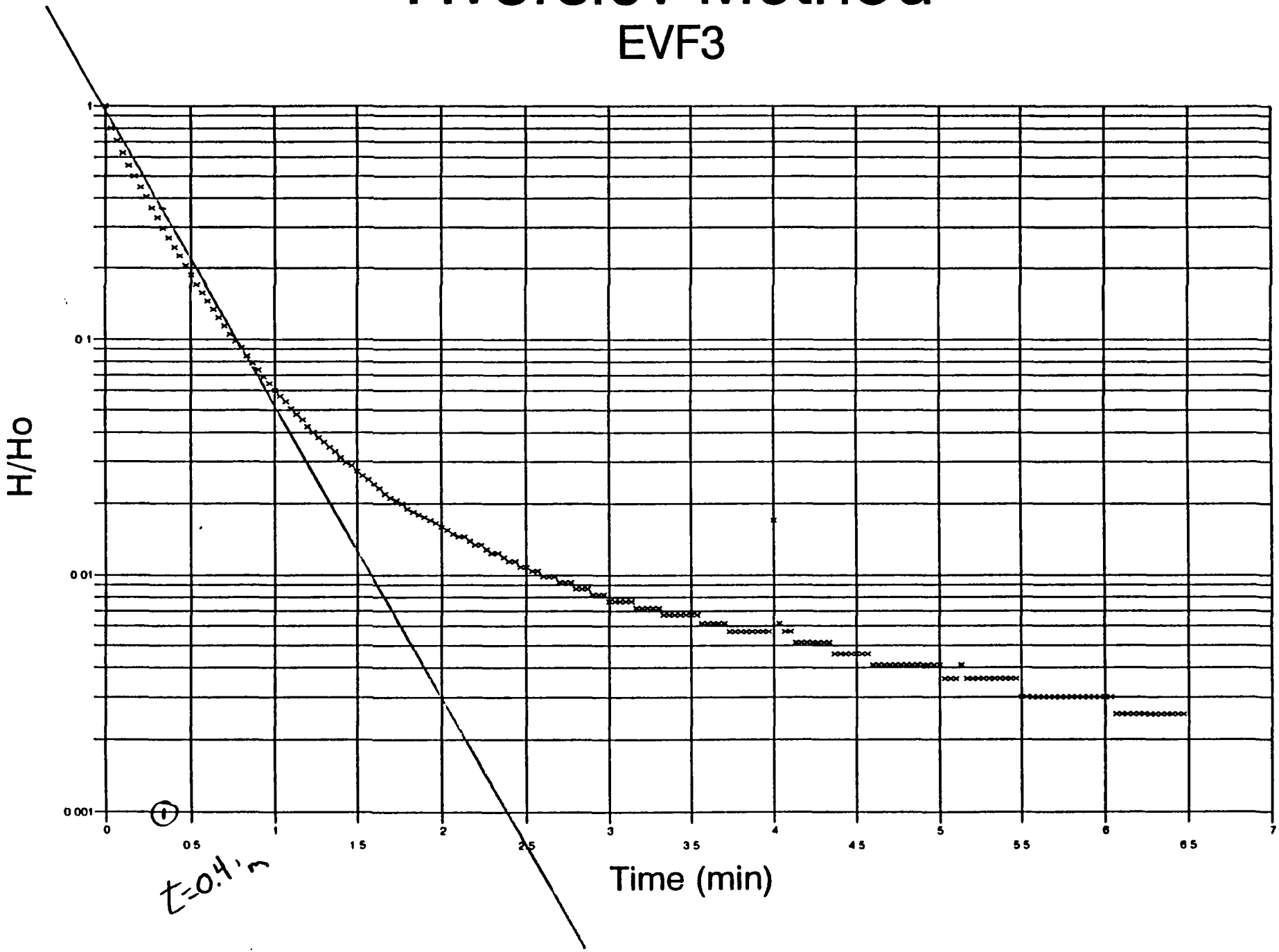

Hvorslev Method

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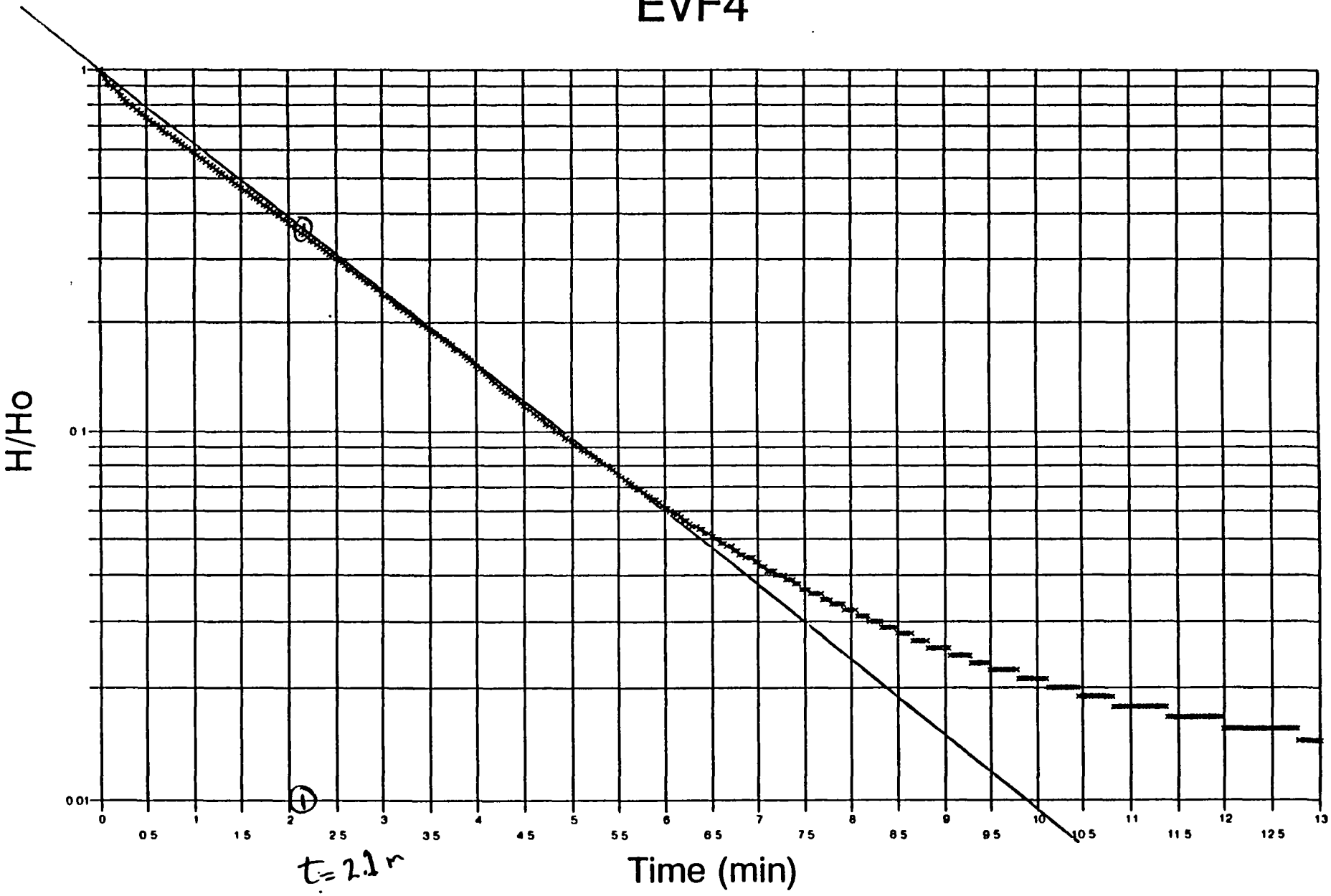

Hvorslev Method

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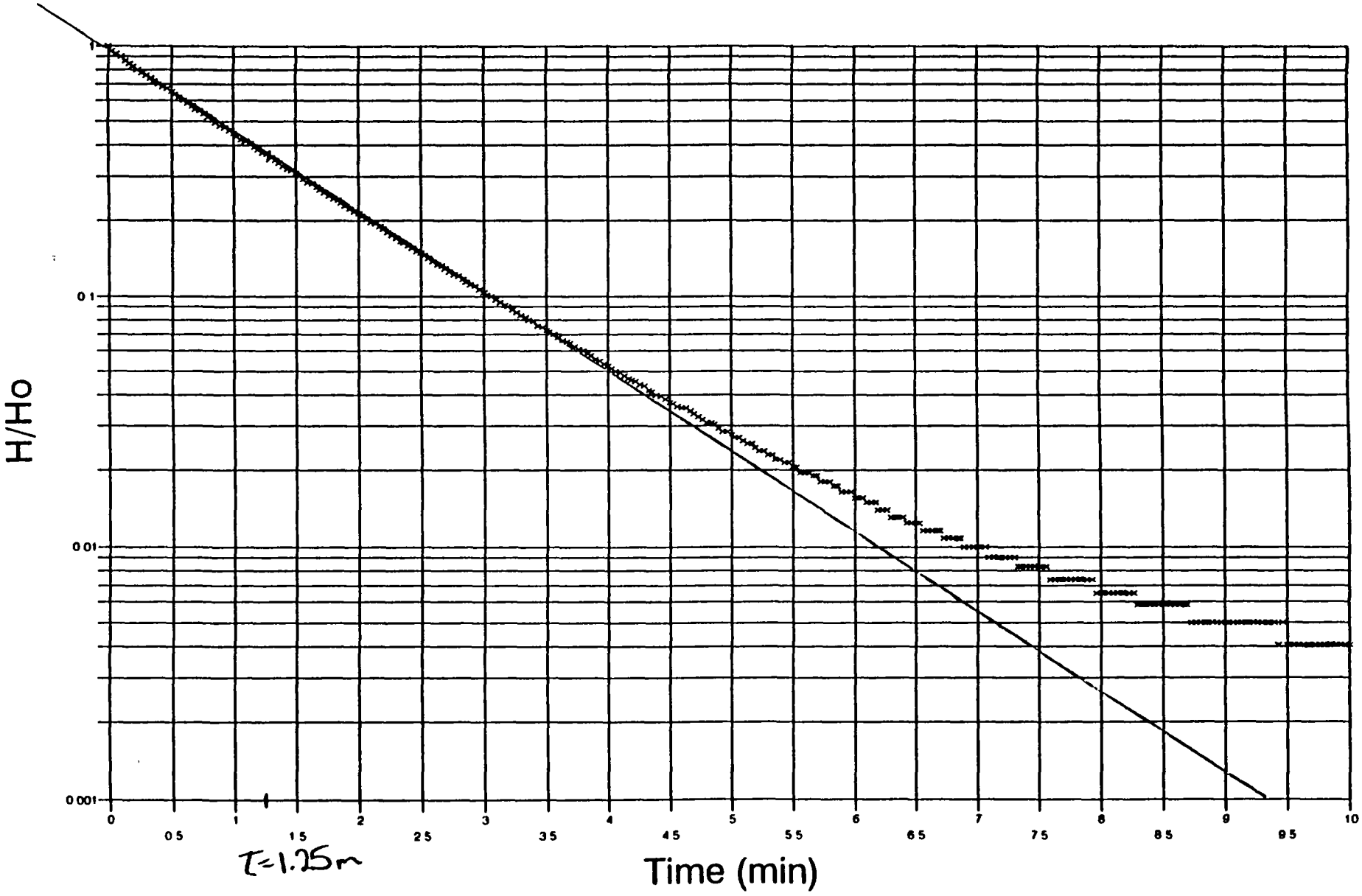

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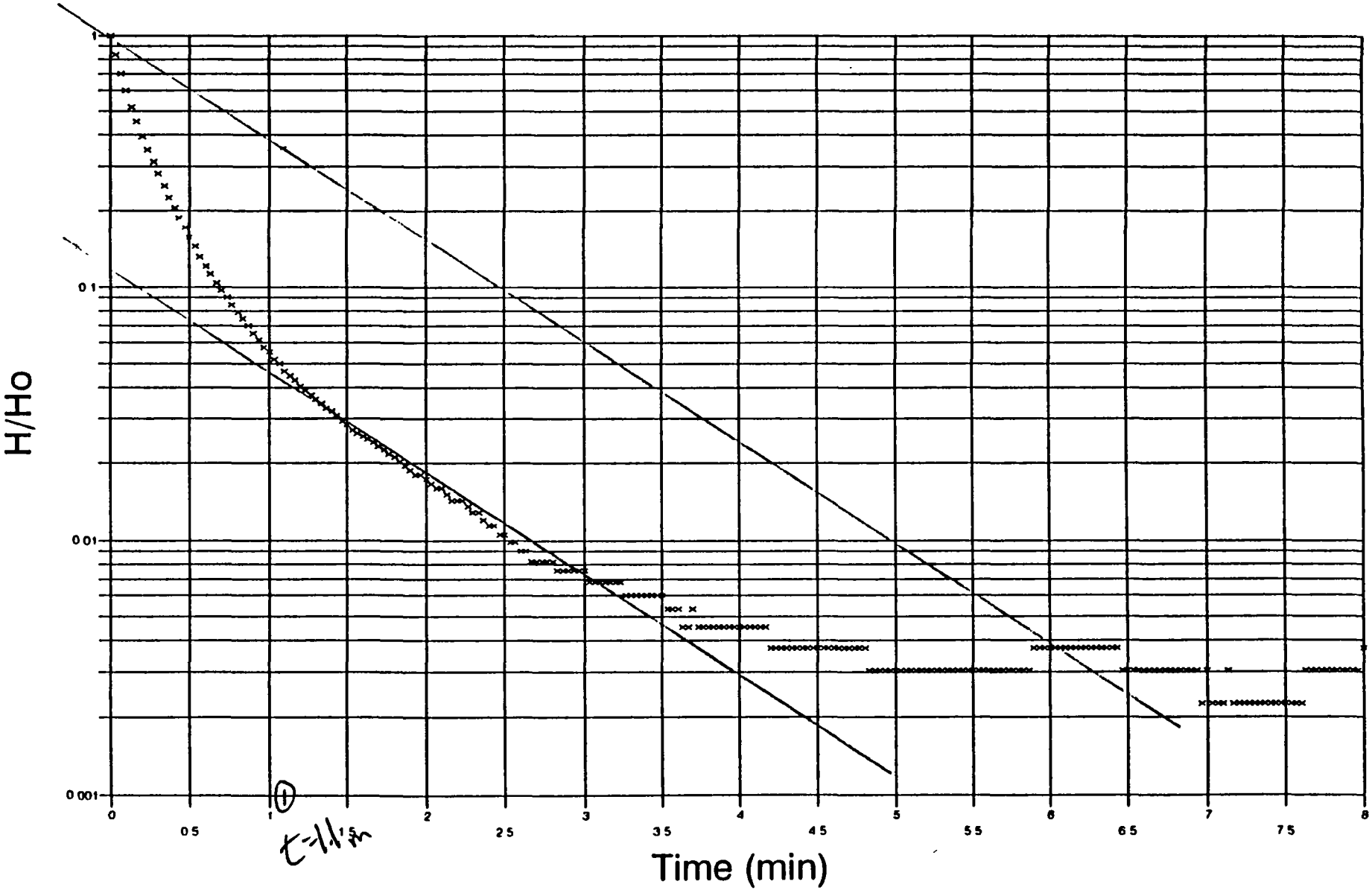

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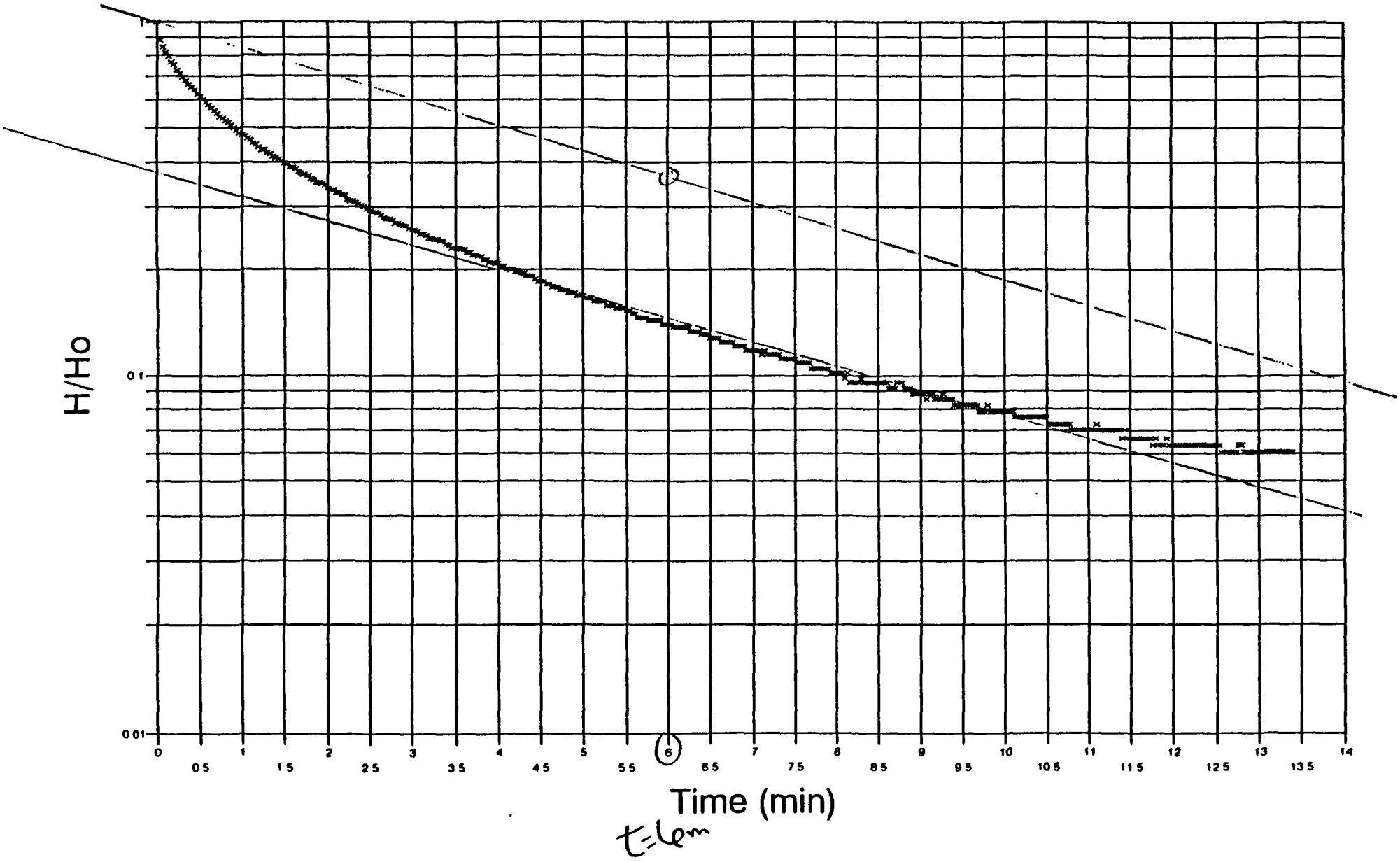

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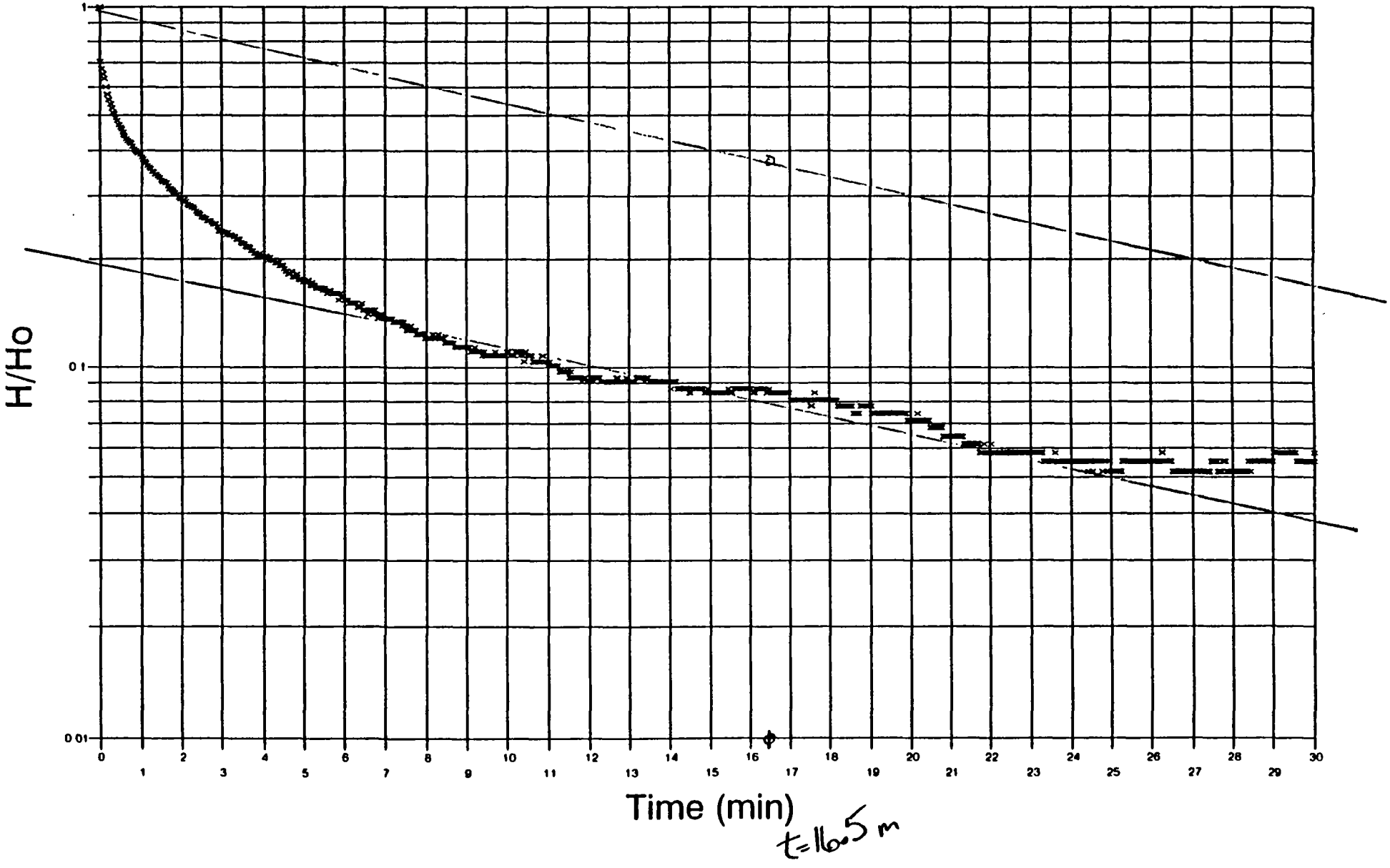

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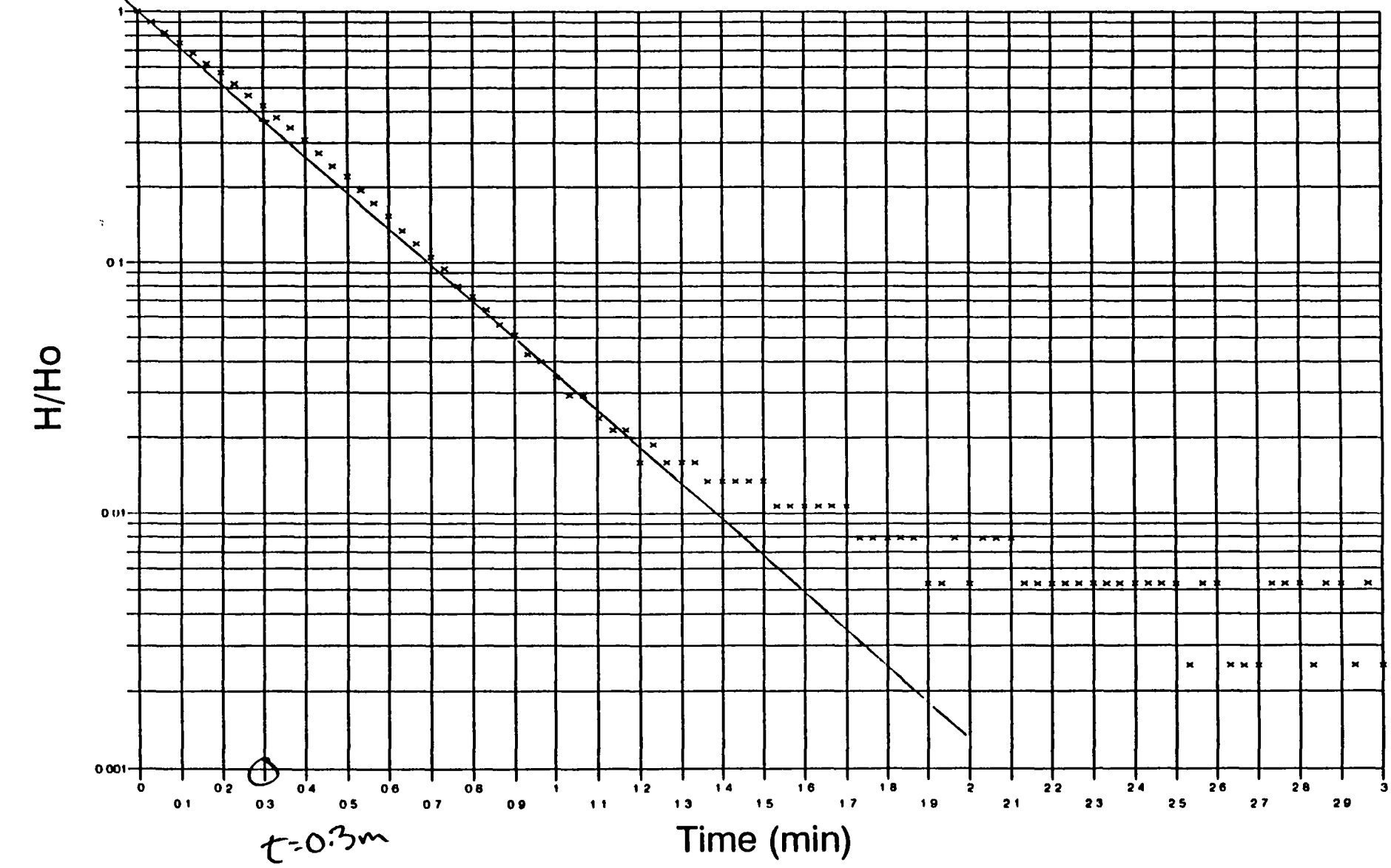

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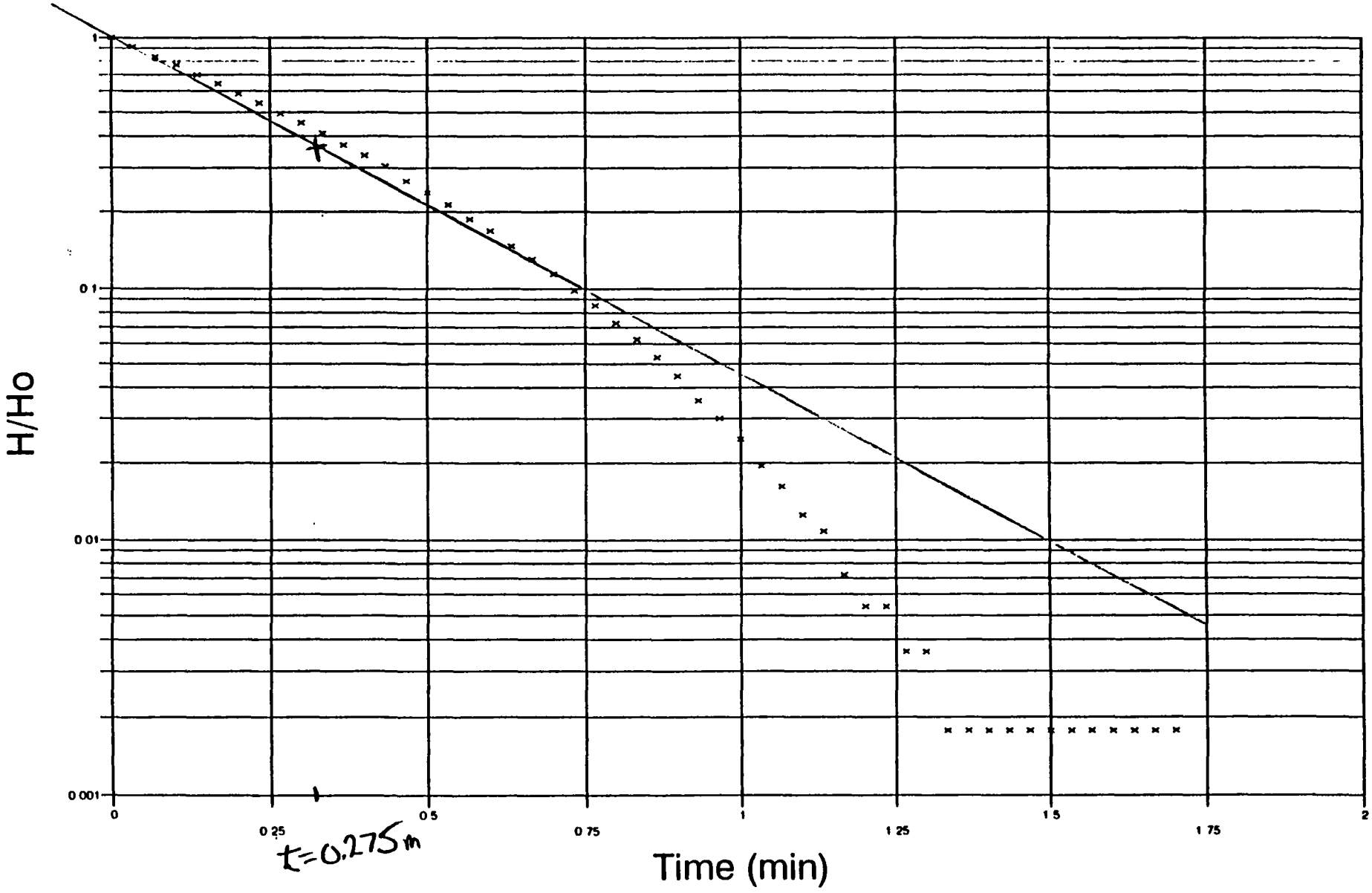

Hvorslev Method

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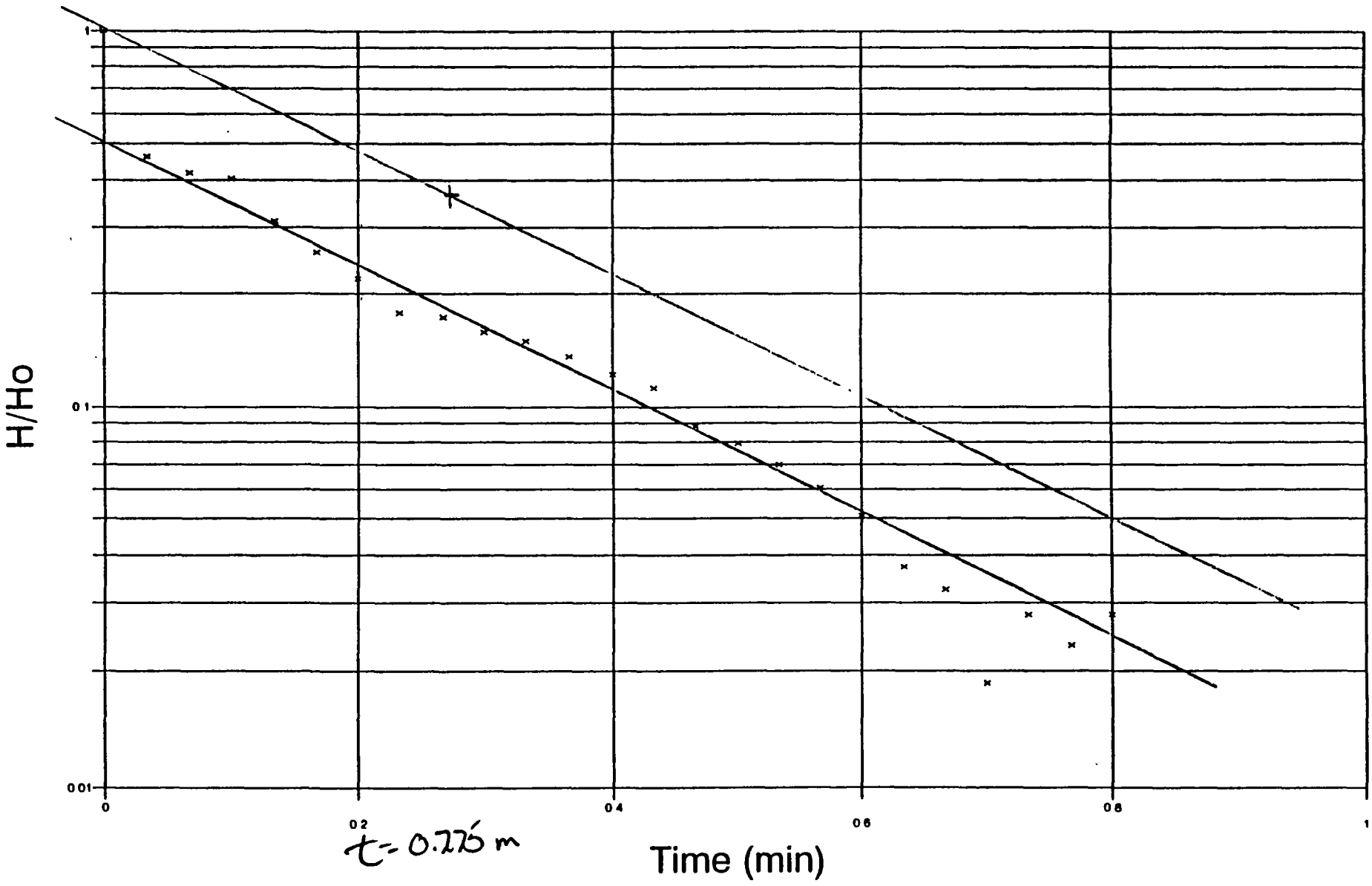

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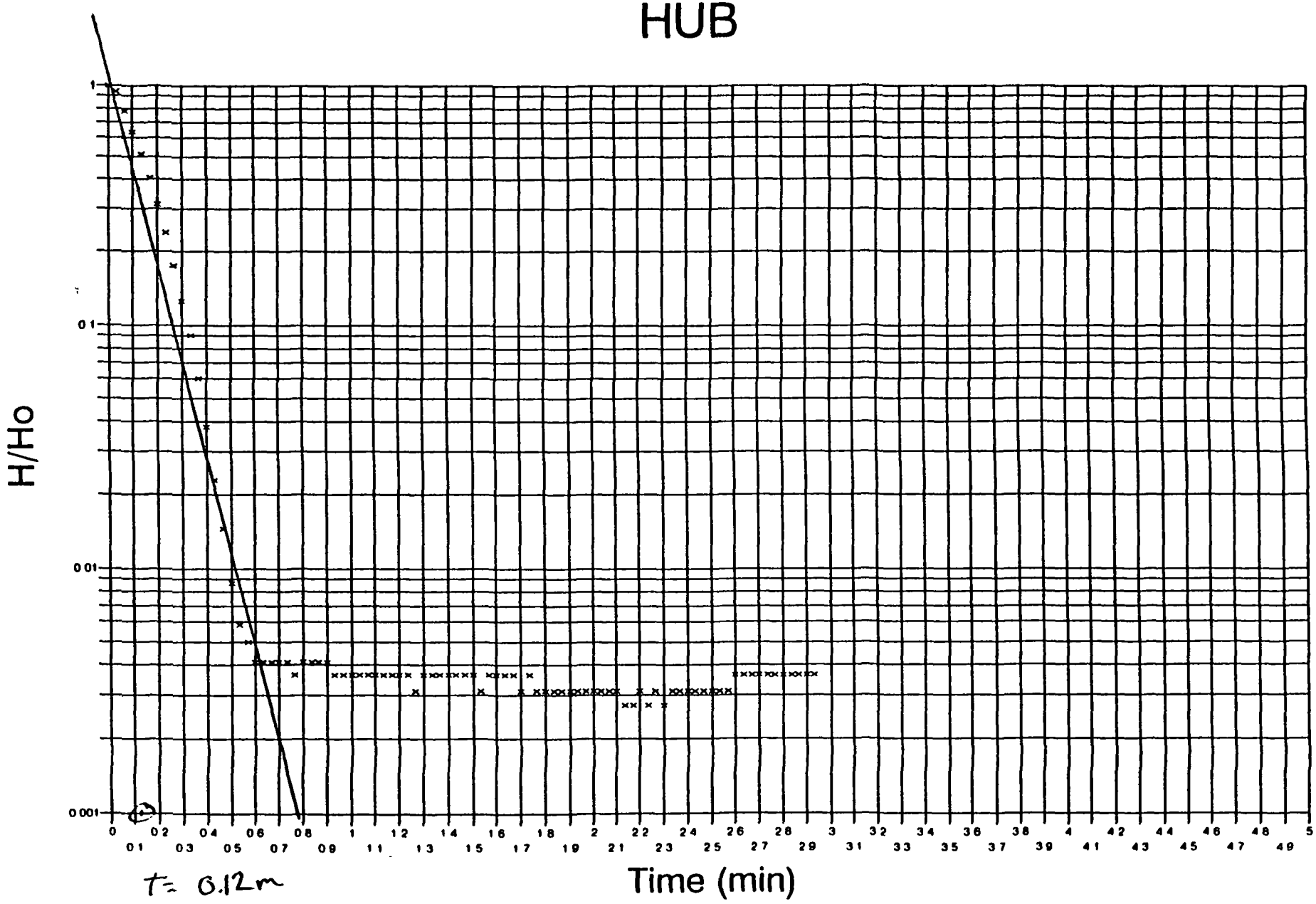

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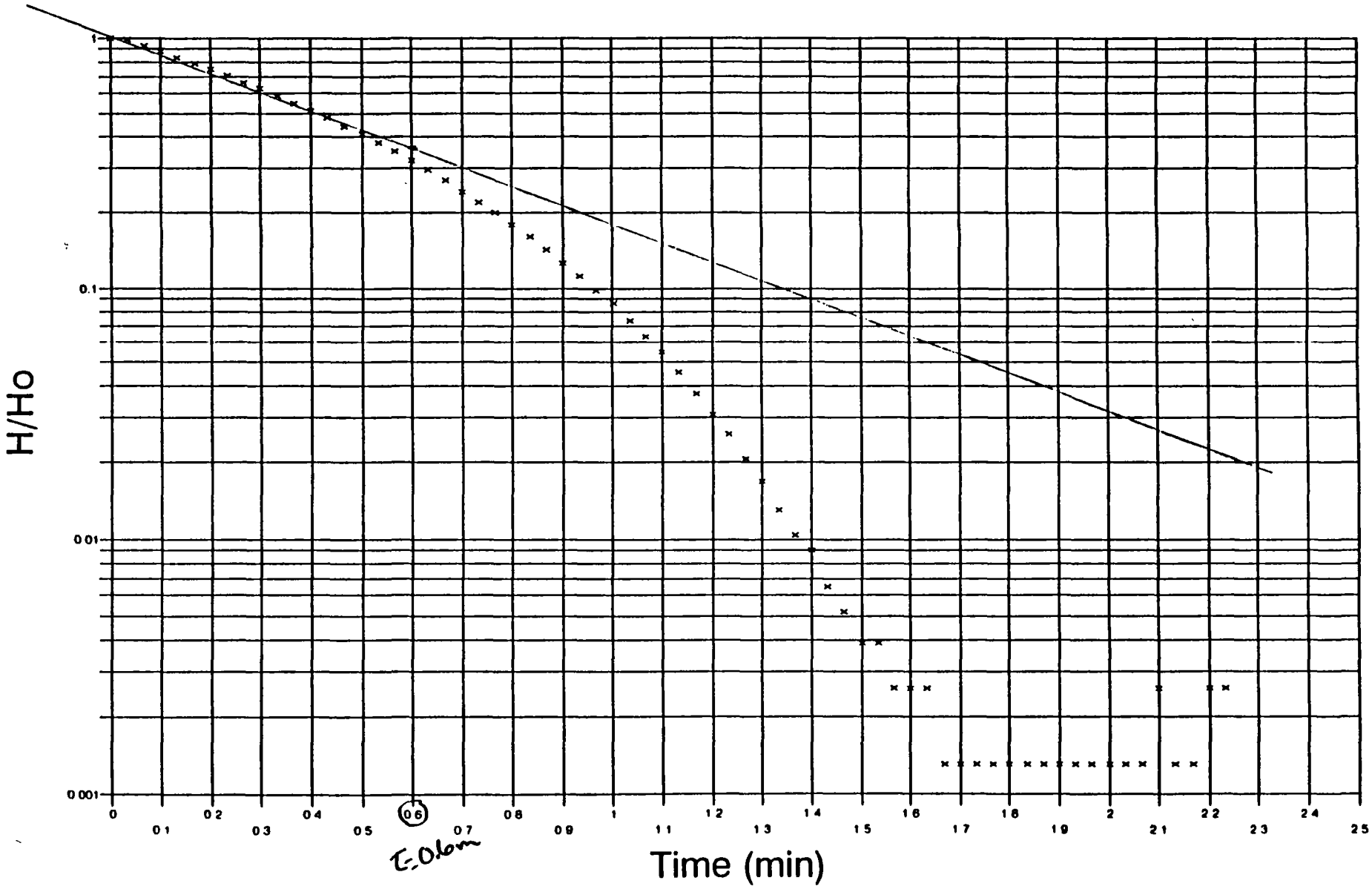

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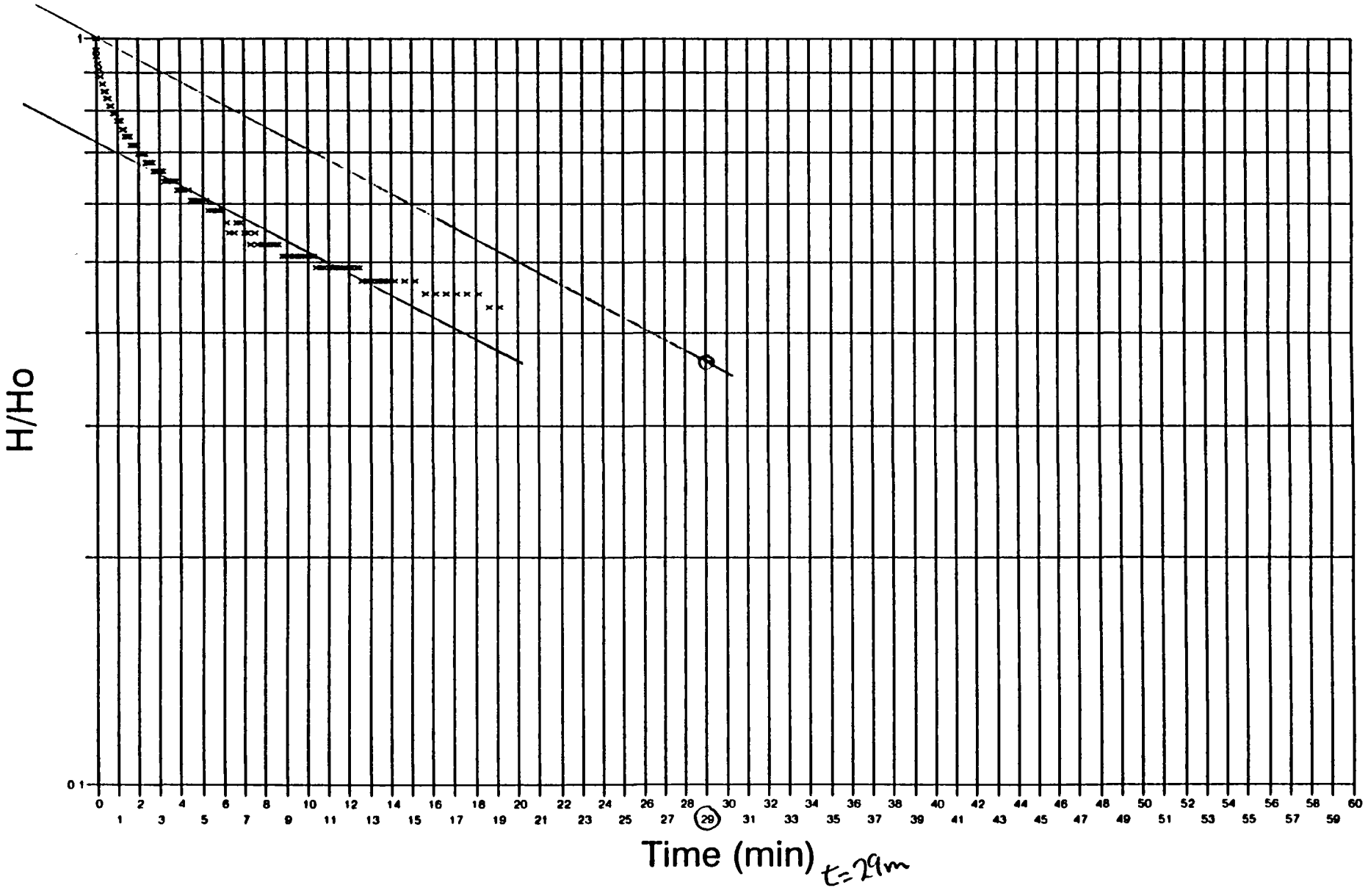

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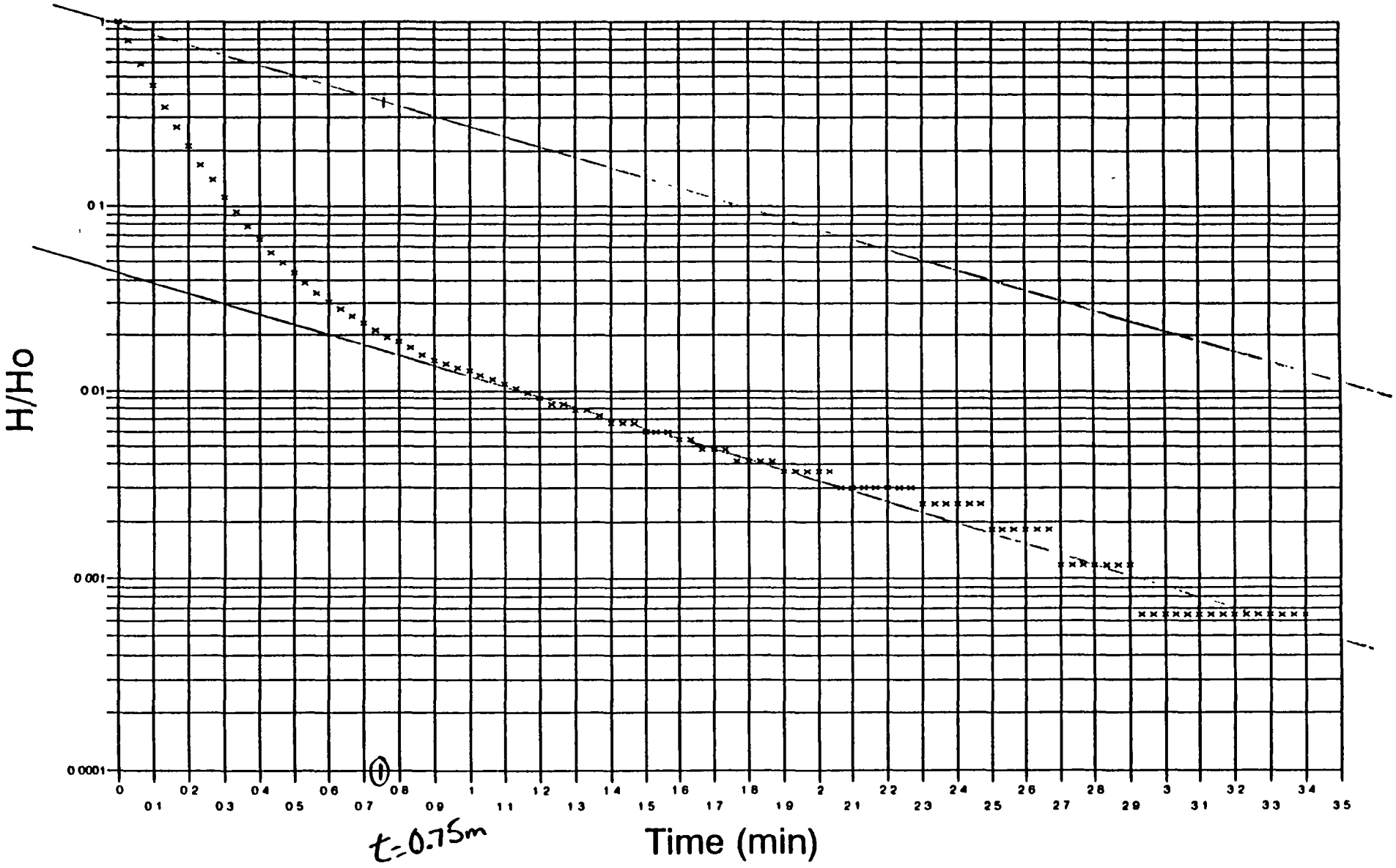

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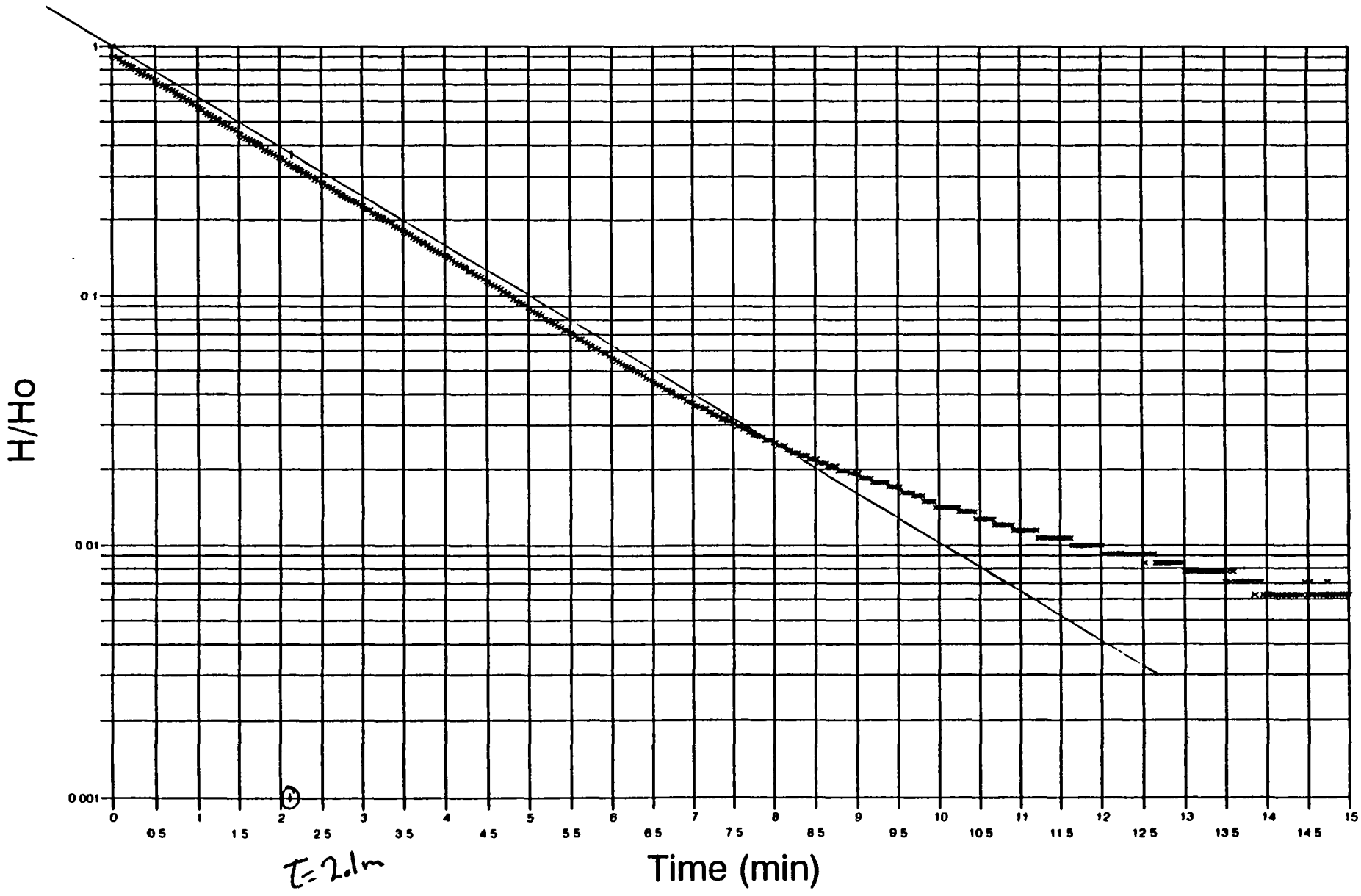

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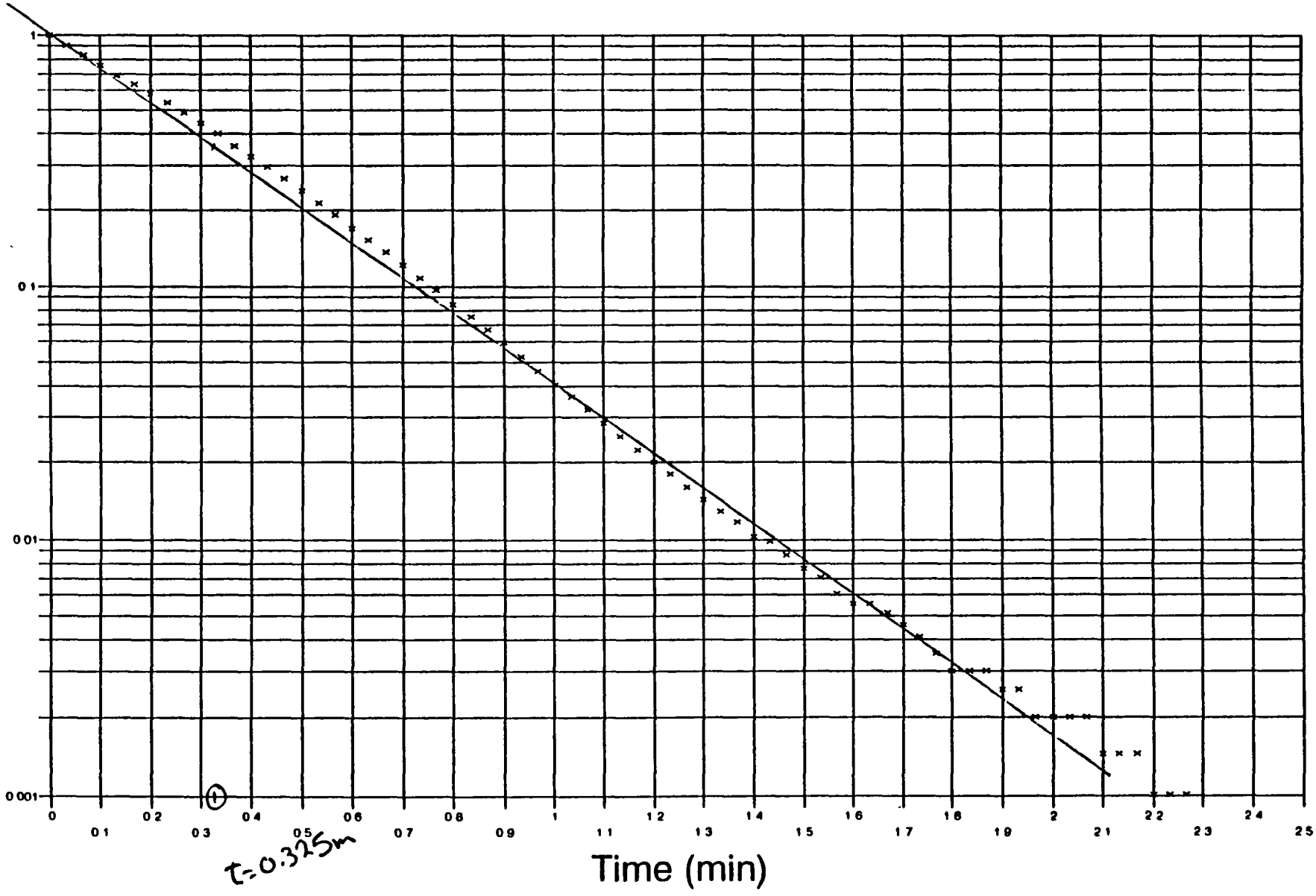

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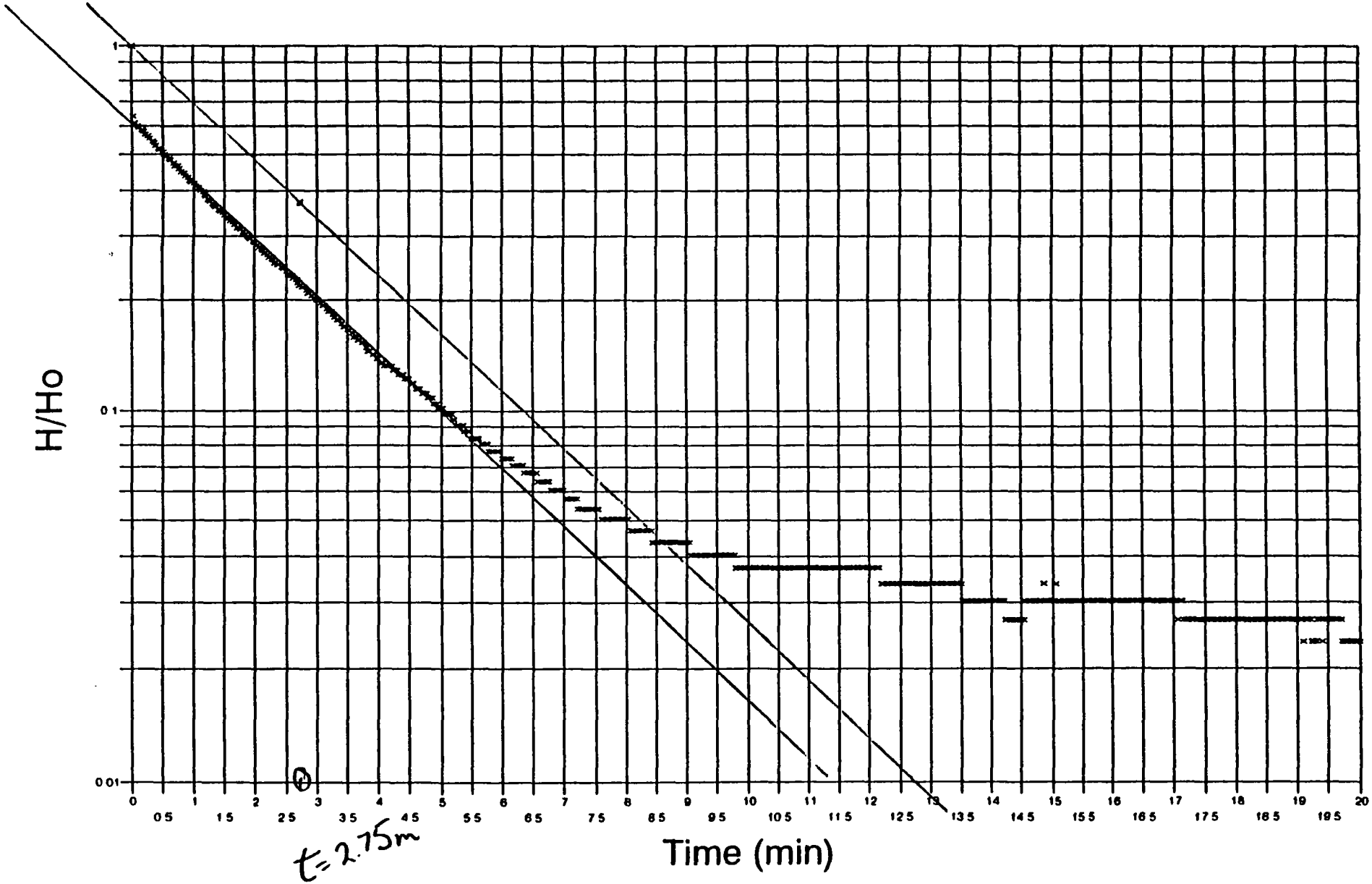

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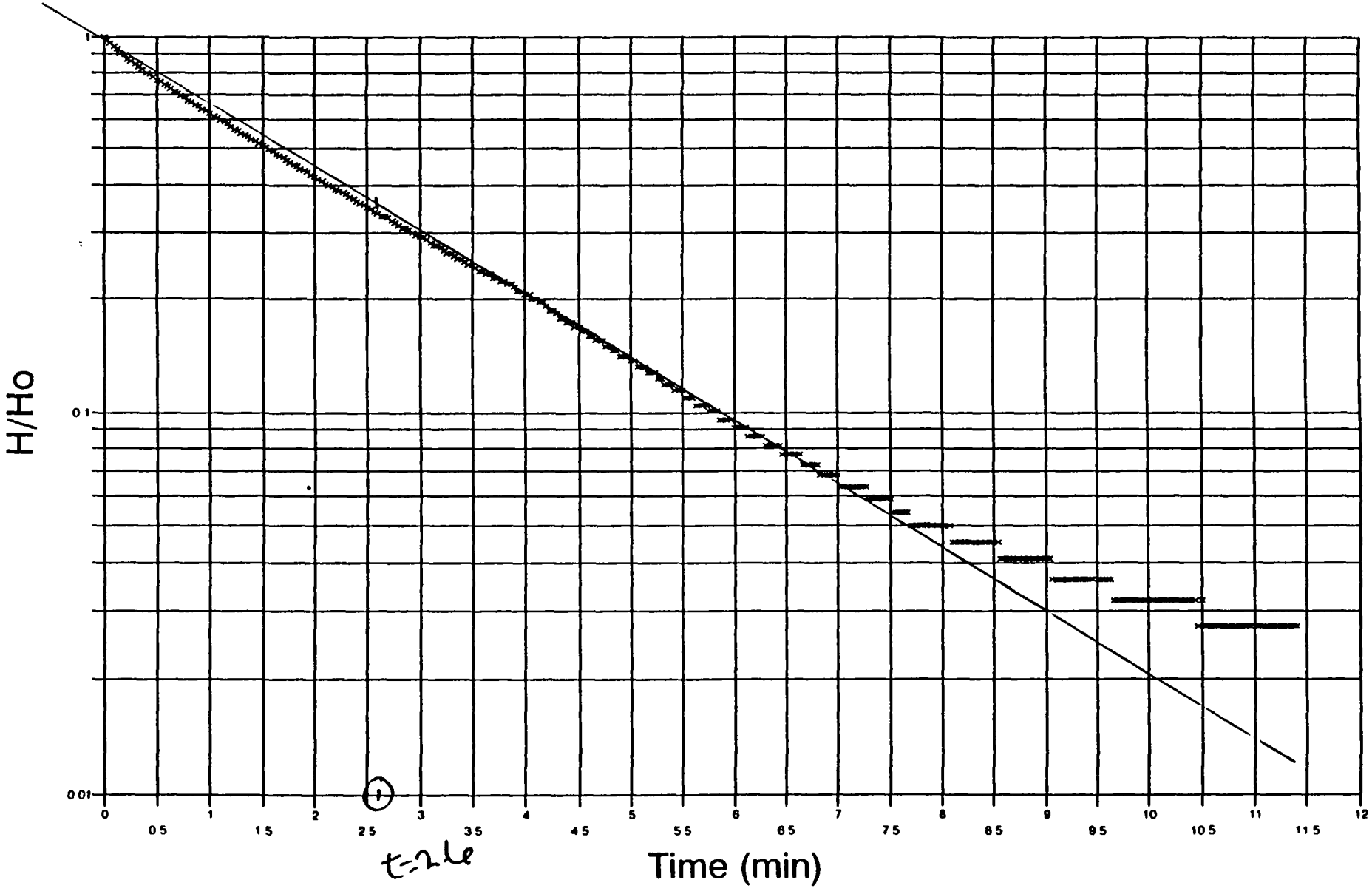

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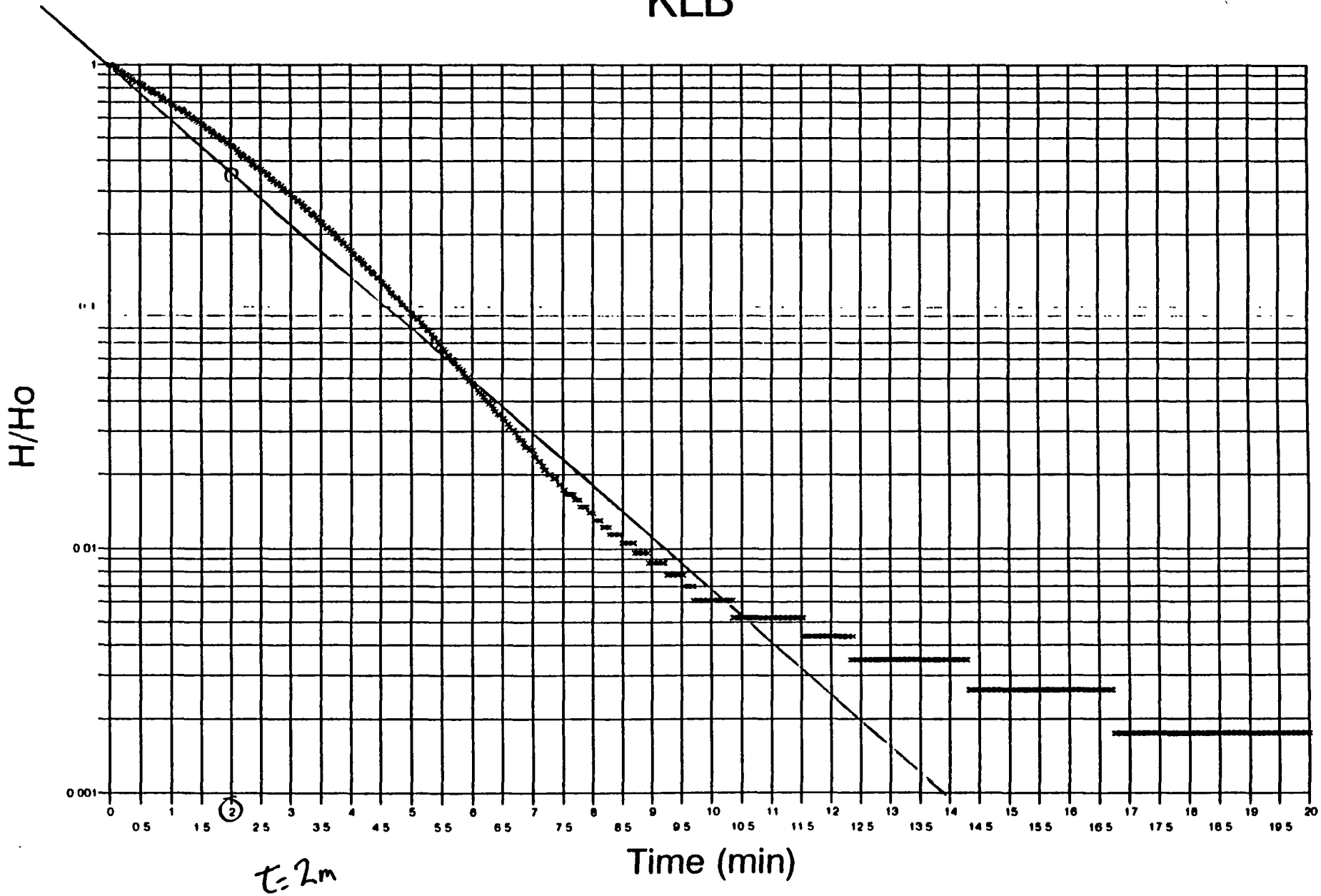

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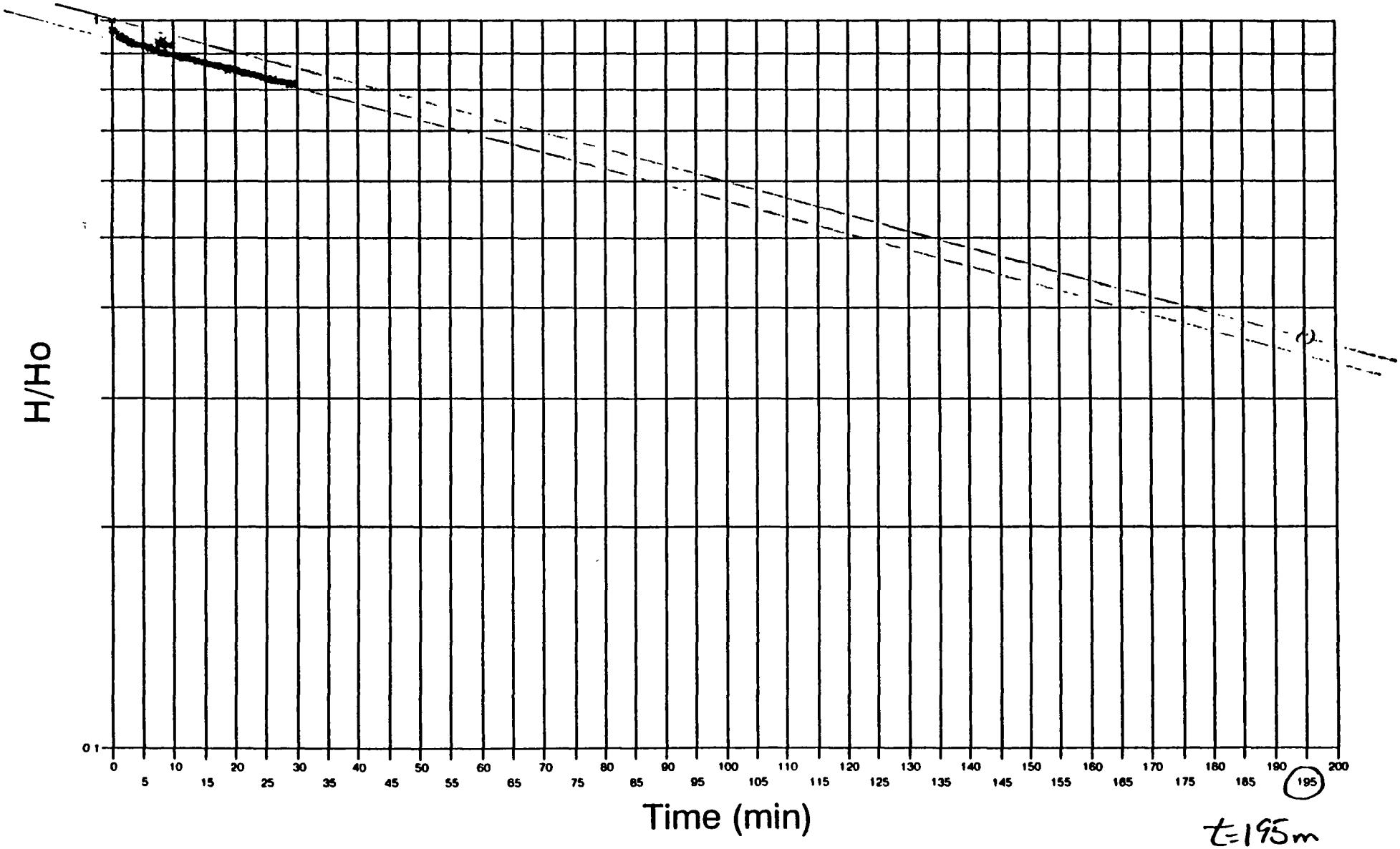

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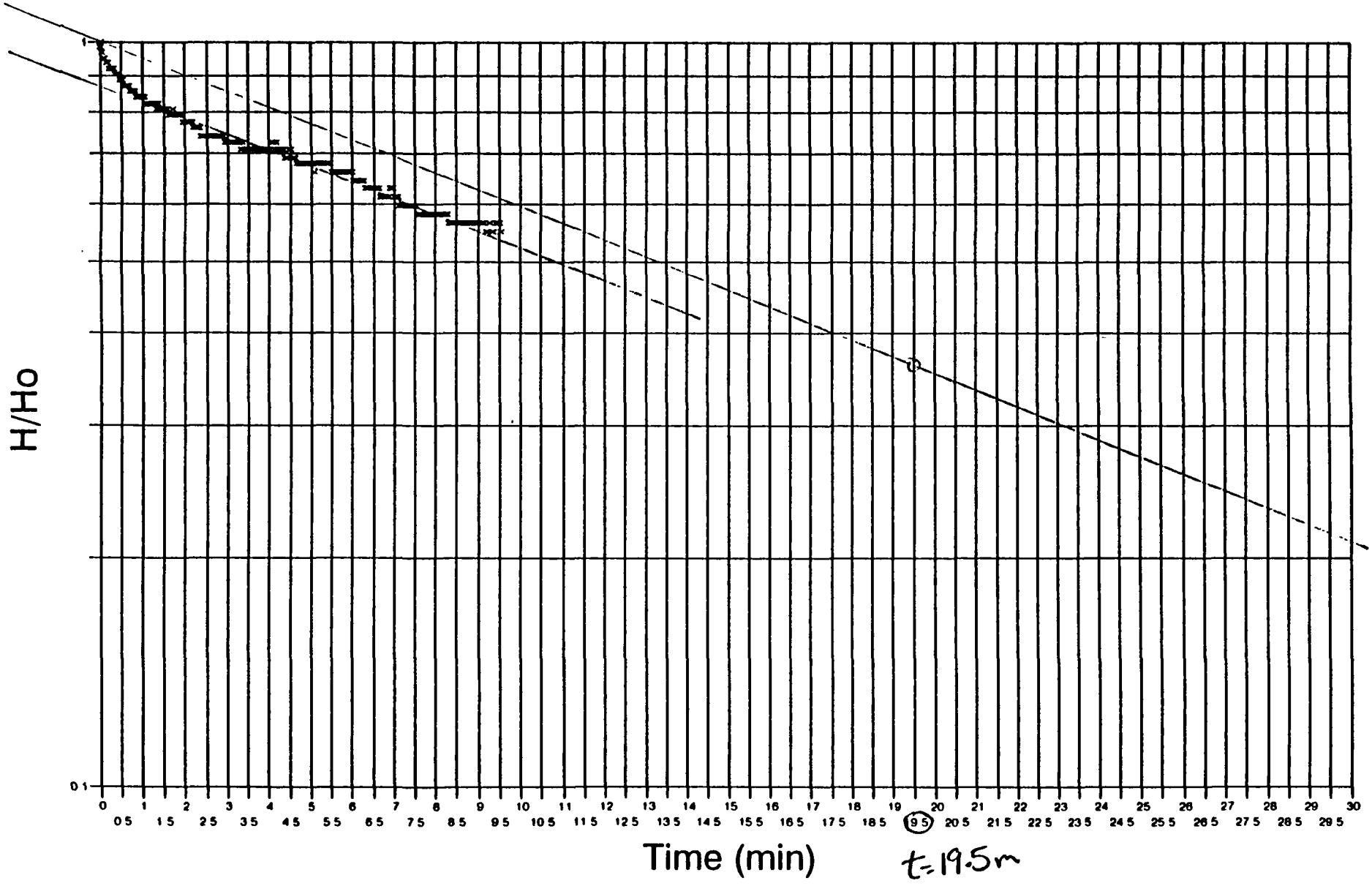

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FIGURE M-1 INTERPRETED WATER TABLE SHALLOW AQUIFIERS

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FIGURE M-2 INTERPRETED POTENTIOMETRIC SURFACES: MIDDLE KITTANING SANDSTONE AND VANPORT LIIMESTONE

☐ **Other:**