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AUTH TO PROCEED WITH STAR.. 9-94

November 8, 1994
87X4660

Mr. Frank Battaglia
USEPA
Region I
Waste Management Building
90 Canal Street
Boston, MA 02114

Re: Contamination Characterization Write-ups for Ciba-Geigy, Cranston, RI RFI Report

Dear Mr. Battaglia:

One of the USEPA's comments on the Interim RFI Report for the Cranston site was that USEPA would like to review and approve the means by which we intend to present data in the final RFI Report. This being the case, Woodward-Clyde, on behalf of Ciba-Geigy, has prepared the attached sample writeup and data tables for your review. Because Region I has no published criteria for soil or groundwater contamination, the data will be discussed in general terms as shown in the sample.

Inorganic data will be compared to background inorganic data using the 95th upper tolerance limit of the 95th percentile. The section numbers in the sample text correspond to the current working outline of the RFI Report.

We would like to schedule a teleconference call with you on Wednesday, November 9, 1994 at 11:30 A.M. We look forward to your input on this matter.

Sincerely,

Marion Craig

Marion Craig
Project Scientist

Mark Houlday mcc

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Project Manager

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SEMS DocID 100016462

4.1.2 Applicable Evaluation Criteria

USEPA Region I has not developed criteria for contaminants in groundwater. Federal drinking water standards (MCLs) would not be appropriate criteria for the evaluation of groundwater at this site because the groundwater is not a drinking water source. Because no criteria are available, the following discussions on contaminants in groundwater are general, and do not reference criteria.

4.1.6 Warwick Area Groundwater Contamination

The concentrations of analytes detected in groundwater samples from the Warwick Area are summarized in Tables 4-1 through 4-4. All of the Warwick Area groundwater data, including detection limits for analytes not detected, are presented in Appendix X. Locations of wells from which samples were collected are shown on Figure 4-1.

4.1.6.1 Volatile Organics - Warwick Area Groundwater

VOCs were detected in samples from shallow monitoring wells in the area of SWMU-5 (Table 4-1). Well MW-11S is located near the center of this SWMU (Figure 4-1). Samples from this well contained the highest levels of VOCs. From early 1991 to mid-1993 the levels of VOCs detected in this well decreased by one order of magnitude. By far, the compound detected in the highest concentrations was chlorobenzene (between 390 and 3,500 ppb).

Monitoring well MW-6S is located approximately 50 ft from MW-11S in an upgradient direction (Figure 4-1). Samples from this well contained low levels of chlorobenzene (less than 2 ppb) in the first two quarters of 1991. In two subsequent sampling events, no VOCs were detected in samples from this well.

VOCs were detected in samples from shallow and deep monitoring wells in the area of SWMU-16 (Table 4-3). 1,1,1-trichloroethane was detected in three of four samples from well MW-17S, located in SWMU-16; and in the only sample collected from well MW-32S, located downgradient from the SWMU (Figure 4-1). The concentrations in samples from MW-17S decreased by an order of magnitude (34 to 2.9 ppb) between January and September 1991, and were not detectable in 1993. 1,1-dichloroethane (4.1 ppb) was only detected in the first sample from MW-17S. Trichloroethene was detected in the first two out of four samples from MW-17S (2.1 and 1.3 ppb). Toluene (2 ppb) was detected in the first of three samples from MW-17D.

No VOCs were detected in samples from the shallow monitoring well (MW-26S) located downgradient from SWMU-5, or the deep overburden well (MW-11D) and rock well (RW-3) in SWMU-5.

In summary, VOCs appear to be limited to the shallow groundwater beneath SWMU-5, and their concentrations are decreasing with time.

4.1.6.2 Semi-volatile Organics - Warwick Area Groundwater

SVOCs were detected in samples from shallow monitoring wells and the rock well installed in the vicinity of SWMU-5 (Figure 4-1). The largest number of compounds were detected in samples from monitoring well MW-11S, including phenols, anilines, phthalates, PAHs and Tinuvin 327 (Table 4-1). Approximately half of the SVOCs detected in the initial sampling of this well were not detected in the last sampling event.

Propazine, diethylphthalate and Tinuvin 327 were detected in samples from MW-6S. In the most recent sampling event, no SVOCs were detected in the sample from this well.

Di-n-octylphthalate, pyrene and fluoranthene were detected in the rock well in SWMU-5. Pyrene and fluoranthene were not detected in overburden wells.

Di-n-butylphthalate was detected in one of the samples from MW-17D in SWMU-16.

No SVOCs were detected in samples from wells downgradient of SWMUs (MW-26S and MW-32S), or the deep overburden well in SWMU-5.

In summary SVOCs are present in the shallow groundwater beneath SWMU-5, and their concentrations are decreasing with time. SVOCs are also present in the bedrock aquifer beneath SWMU-5, but the compounds detected suggest that there is no relation between compounds detected in the overburden aquifer and those in the bedrock aquifer. One SVOC, di-n-butylphthalate, was detected in a sample from the deep overburden section of the aquifer beneath SWMU-16.

Table 4-1

ORGANIC GROUNDWATER DATA
DETECTED ANALYTES
SWMU-5

10/20/94

AREA	SMU5	SMU5	SMU5	SMU5	SMU5	SMU5	SMU5	SMU5	SMU5	SMU5	SMU5	SMU5	SMU5	SMU5	EPA
WELL	MW-11S	MW-11S	MW-11S	MW-11S	MW-11S	MW-6S	MW-6S	MW-6S	MW-6S	MW-2S	RW-5	RW-3	RW-3	MW-11D	Region
SAMPLE NUMBER	MW-11S*IB	MW-11S*IB-	MW-11S*IB-3	MW-11S*II	MW-DUP1*II	MW-6S*IB-	MW-6S*IB-1	MW-6S*IB-3	MW-6S*II-1	MW-2S*II-1	RW-5*IB-1	RW-3*IB-2	RW-3*IB-3	MW-11D*II-1	III
COLLECT DATE	1/8/91	4/18/91	9/10/91	8/25/93	8/25/93	1/7/91	4/15/91	9/10/91	8/25/93	8/24/93	1/7/91	4/15/91	9/10/91	8/24/93	
	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	
VOLATILE ORGANICS															
8240W 1,1-DICHLOROETHANE	2.1 J	5 U	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	810
8240W BENZENE	35	15 J	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.36
8240W CARBON DISULFIDE	5 U	5 U	25 U	220	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	21
8240W CHLOROBENZENE	3500	780 J	590	590	670	1.8 J	1.1 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	39
8240W ETHYLBENZENE	2.7 J	5 U	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1300
8240W O-XYLENE	0.8 J	5 U	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1400
8240W TETRACHLOROETHENE	8.4	5 J	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.1
8240W TOLUENE	21	50 U	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	750
8240W TRICHLOROETHENE	2 J	5 U	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.6
TOTAL VOLATILE ORGANICS	*3582*	*797*	*590*	*1510*	*670*	*1.8*	*1.1*								
SEMI-VOLATILE ORGANICS															
8270W 3,3'-OXYBIS(1-CHLOROPRO	26	9.6 U	10 U	7 J	7.1 J	10 U	9.5 U	10 U	10 U	10 U	10 U	9.5 U	10 U	10 U	
8270W 2-CHLOROPHENOL	11 J	1 J	1.7 J	1 J	2.4 J	10 U	9.5 U	10 U	10 U	10 U	10 U	9.5 U	10 U	10 U	
8270W 4-CHLOROANILINE	21	1 J	0.9 J	1.8 J	20 U	10 U	9.5 U	20 U	20 U	20 U	10 U	9.5 U	10 U	20 U	150
8270W ANILINE	7 J	1 J	50 U	50 U	50 U	10 U	9.5 U	50 U	50 U	50 U	10 U	9.5 U	50 U	50 U	10
8270W BIS(2-CHLOROETHYL)ETH	10 U	1 J	0.7 J	1.4 J	1.1 J	10 U	9.5 U	10 U	10 U	10 U	10 U	9.5 U	10 U	10 U	0.0092
8270W DI-N-OCTYLPHTHALATE	1 J	9.6 U	10 U	10 U	10 U	10 U	9.5 U	10 U	10 U	10 U	1 J	9.5 U	10 U	10 U	730
8270W DIETHYLPHTHALATE	10 U	9.6 U	0.9 J	10 U	10 U	10 U	9.5 U	0.7 J	10 U	10 U	10 U	9.5 U	10 U	10 U	29000
8270W FLUORANTHENE	10 U	9.6 U	10 U	10 U	10 U	10 U	9.5 U	10 U	10 U	10 U	1 J	1 J	10 U	10 U	1500
8270W NAPETHALENE	4 J	1 J	10 U	10 U	10 U	10 U	9.5 U	10 U	10 U	10 U	10 U	9.5 U	10 U	10 U	1500
8270W O-TOLUIDINE	6 J	9.6 U	10 U	10 U	10 U	10 U	9.5 U	10 U	10 U	10 U	10 U	9.5 U	10 U	10 U	
8270W PHENOL	10 U	1 J	1.1 J	10 U	10 U	10 U	9.5 U	10 U	10 U	10 U	10 U	9.5 U	10 U	10 U	22000
8270W PROPAZINE	7 J	48 U	200 U	19 J	22	36 J	15 J	0.18 J	20 U	20 U	60 U	48 U	200 U	20 U	730
8270W PYRENE	10 U	9.6 U	10 U	10 U	10 U	10 U	9.5 U	10 U	10 U	10 U	0 J	0.94 J	0.8 J	10 U	1100
8270W TINUVIN 327	1 J	1 J	0.6 J	NA	NA	1 J	48 U	100 U	NA	NA	50 U	48 U	100 U	NA	
TOTAL SEMI-VOLATILE ORGANICS	*89*	*20*	*7.9*	*33.2*	*34.8*	*38*	*15*	*14.7*			*4*	*1.94*	*0.6*		
DIOXINS & FURANS															
8OWZW OCDD	NA	NA	0.00026 J	0.0016 U	0.0014 U	NA	NA	0.0004205 U	0.0012 J	0.3048 U	NA	NA	0.0003824 U	0.0021 U	
8OWZW PECDD	0.0019 U	0.0023 U	0.00014466 U	0.00031 U	0.0008 U	0.0025 U	0.0015 U	0.0003059 U	0.00034 U	0.0014 U	0.0022 U	0.002 U	0.0004444 J	0.00026 U	
TOTAL DIOXINS & FURANS			*0.00026*						*0.0012*						
ORGANOCHLORINE PESTICIDES															
8080W 4,4'-DDT	0.04 U	0.19 U	0.1 U	0.1 U	0.1 U	0.02 U	0.019 U	0.1 U	0.1 U	0.1 U	0.019 U	0.019 U	0.1 U	0.1 U	
8080W ALDRIN	0.022	0.095 U	0.05 U	0.05 U	0.05 U	0.022	0.0097 U	0.05 U	0.05 U	0.05 U	0.0095 U	0.0095 U	0.05 U	0.05 U	0.004
8080W ALPHA-BHC	0.037 J	0.095 U	0.05 U	0.05 U	0.05 U	0.01 U	0.0097 U	0.05 U	0.05 U	0.05 U	0.0095 U	0.0095 U	0.05 U	0.05 U	
8080W DELTA-BHC	0.02 U	0.095 U	0.05 U	0.05 U	0.05 U	0.01 U	0.0097 U	0.05 U	0.05 U	0.05 U	0.017	0.0095 U	0.05 U	0.05 U	
8080W GAMMA-BHC	0.02 U	0.095 U	0.05 U	0.05 U	0.05 U	0.01 U	0.41 J	0.05 U	0.05 U	0.05 U	0.0095 U	0.0095 U	0.05 U	0.05 U	
8080W GAMMA-CHLORDANE	0.02 U	0.095 U	0.1 U	0.05 U	0.05 U	0.016	0.0097 U	0.1 U	0.05 U	0.05 U	0.0095 U	0.0095 U	0.1 U	0.052 J	
TOTAL ORGANOCHLOR PEST.	*0.126*					*0.044*	*0.14*				*0.017*			*0.052*	
ORGANOPHOSPHOROUS PESTICIDES															
814ZW DIMETHOATE	1 U	0.95 U	4 U	10 U	10 U	0.44 J	0.95 U	4 U	10 U	10 U	1 U	0.95 U	4 U	10 U	
TOTAL ORGANOPHOS. PEST.						*0.44*									
HERBICIDES															
815ZW 2,4,5-T	0.11 J	0.19 U	0.3 U	0.5 U	0.5 U	0.3 U	0.19 U	0.3 U	0.5 U	0.5 U	0.2 U	0.19 U	0.3 U	0.5 U	
815ZW DINOSEB	R	0.04 J	NA	NA	NA	0.15 U	0.14 U	NA	NA	NA	0.15 U	0.14 U	NA	NA	
TOTAL HERBICIDES	*0.11*	*0.04*													

All results in (ug/l) ppb.
U - Undetected (concentration represents detection limit)
NA - Not analyzed.
R - Rejected.
J - Estimated value.
Detected concentrations shaded.

Table 4-3

ORGANIC GROUNDWATER DATA
DETECTED ANALYTES
SWMU-16

AREA	AOI16	AOI16	AOI16	AOI16	AOI16	AOI16	SMU16	SMU16	EPA
WELL	MW17D	MW-17D	MW-17D	MW-17S	MW-17S	MW-17S	MW-17S	MW-32S	REGION
SAMPLE NUMBER	MW-17D*IB	MW-17D*IB-	MW-17D*IB-3	MW-17S*IB-	MW-17S*IB-	MW-17S*IB-	MW-17S*II-	MW-32S*II-1	III
COLLECT DATE	1/8/91	4/15/91	9/10/91	1/3/91	4/15/91	9/10/91	8/25/93	8/24/93	
	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	
VOLATILE ORGANICS									
8240W 1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	34	20	2.9 J	5 U	[illegible]	1200
8240W 1,1-DICHLOROETHANE	5 U	5 U	5 U	4.1 J	5 U	5 U	5 U	5 U	810
8240W TOLUENE	5 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	750
8240W TRICHLOROETHENE	5 U	5 U	5 U	2.1 J	1.8 J	5 U	5 U	5 U	1.6
TOTAL VOLATILE ORGANICS	2			40.2	84.3	2.9		5.4	
SEMI-VOLATILE ORGANICS									
8270W DI-N-BUTYLPHTHALATE	10 U	9.5 U	[illegible] J	10 U	9.5 U	10 U	10 U	10 U	
TOTAL SEMI-VOLATILE ORGANICS			0.7						
ORGANOCHLORINE PESTICIDES									
8080W 4,4'-DDT	0.025	0.019 U	0.1 U	0.019 U	0.019 U	0.1 U	0.1 U	0.1 U	
8080W ALDRIN	0.025	0.0097 U	0.05 U	0.0096 U	0.0096 U	0.05 U	0.05 U	0.05 U	0.004
8080W ALPHA-BHC	0.015	0.0097 U	0.05 U	0.0096 U	0.0096 U	0.05 U	0.05 U	0.05 U	
8080W GAMMA-BHC	0.015	0.0097 U	0.05 U	0.0096 U	0.0096 U	0.05 U	0.05 U	0.05 U	
TOTAL ORGANOCHLOR. PEST.	0.081								

All results in (ug/l) ppb.

U - Undetected (concentration represents detection limit)

NA - Not analyzed.

R - Rejected.

J - Estimated value.

Detected concentrations shaded.

APPENDIX X

9/16/94

CIBA-GEIGY FACILITY
ORGANIC GROUNDWATER DATA
WARWICK AREA
ALL FINAL PHASE I AND PHASE II - ROUND 1 DATA

	SITE	IB-1	IB-1	IB-1	IB-1	IB-1	IB-2	IB-2	IB-2	IB-2	IB-2	IB-3	IB-3	IB-3	IB-3
	LOCATOR	AOI16	AOI16	SMU5	SMU5	SMU5	AOI16	AOI16	SMU5	SMU5	SMU5	AOI16	AOI15	SMU5
	SAMPLE NUMBER	MW-17D*IB-1	MW-17S*IB-1	MW-11S*IB-1	MW-6S*IB-1	RW-3*IB-1	MW-17D*IB-2	MW-17S*IB-2	MW-11S*IB-2	MW-6S*IB-2	RW-3*IB-2	MW-17D*IB-3	MW-17S*IB-3	MW-11S*IB-3
	COLLECT DATE	1/8/91	1/8/91	1/8/91	1/7/91	1/7/91	4/15/91	4/15/91	4/18/91	4/15/91	4/16/91	9/10/91	9/10/91	9/10/91
080W	4,4'-DDD	0.0095 U	0.0096 U	0.02 U	0.01 U	0.0095 U	0.0097 U	0.0095 U	0.095 U	0.0097 U	0.0095 U	0.1 U	0.1 U	0.1 U
080W	4,4'-DDE	0.0095 U	0.0096 U	0.02 U	0.01 U	0.0095 U	0.0097 U	0.0095 U	0.095 U	0.0097 U	0.0095 U	0.1 U	0.1 U	0.1 U
080W	4,4'-DDT	0.025	0.019 U	0.04 U	0.02 U	0.019 U	0.019 U	0.019 U	0.19 U	0.019 U	0.019 U	0.1 U	0.1 U	0.1 U
080W	ALDRIN	0.025	0.0096 U	0.089	0.028	0.0095 U	0.0097 U	0.0095 U	0.095 U	0.0097 U	0.0095 U	0.05 U	0.05 U	0.05 U
080W	ALPHA-BHC	0.015	0.0096 U	0.037 J	0.01 U	0.0095 U	0.0097 U	0.0095 U	0.095 U	0.0097 U	0.0095 U	0.05 U	0.05 U	0.05 U
080W	ALPHA-CHLORDANE	0.0095 U	0.0096 U	0.02 U	0.01 U	0.0095 U	0.0097 U	0.0095 U	0.095 U	0.0097 U	0.0095 U	0.1 U	0.1 U	0.1 U
080W	BETA-BHC	0.0095 U	0.0096 U	0.02 U	0.01 U	0.0095 U	0.0097 U	0.0095 U	0.095 U	0.0097 U	0.0095 U	0.05 U	0.05 U	0.05 U
080W	CHLOROBENZILATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5 U	0.5 U	0.5 U
080W	DELTA-BHC	0.0095 U	0.0096 U	0.02 U	0.01 U	0.017	0.0097 U	0.0095 U	0.095 U	0.0097 U	0.0095 U	0.05 U	0.05 U	0.05 U
080W	DIELDRIN	0.0095 U	0.0096 U	0.02 U	0.01 U	0.0095 U	0.0097 U	0.0095 U	0.095 U	0.0097 U	0.0095 U	0.1 U	0.1 U	0.1 U
080W	ENDOSULFAN I	0.0095 U	0.0096 U	0.02 U	0.01 U	0.0095 U	0.0097 U	0.0095 U	0.095 U	0.0097 U	0.0095 U	0.05 U	0.05 U	0.05 U
080W	ENDOSULFAN II	0.029 U	0.029 U	0.06 U	0.031 U	0.029 U	0.029 U	0.028 U	0.29 U	0.029 U	0.028 U	0.1 U	0.1 U	0.1 U
080W	ENDOSULFAN SULFATE	0.048 U	0.048 U	0.1 U	0.051 U	0.048 U	0.049 U	0.047 U	0.48 U	0.049 U	0.047 U	0.1 U	0.1 U	0.1 U
080W	ENDRIN	0.0095 U	0.0096 U	0.02 U	0.01 U	0.0095 U	0.0097 U	0.0095 U	0.095 U	0.0097 U	0.0095 U	0.1 U	0.1 U	0.1 U
080W	ENDRIN ALDEHYDE	0.019 U	0.019 U	0.04 U	0.02 U	0.019 U	0.019 U	0.019 U	0.19 U	0.019 U	0.019 U	0.1 U	0.1 U	0.1 U
080W	GAMMA-BHC	0.018	0.0096 U	0.02 U	0.01 U	0.0095 U	0.0097 U	0.0095 U	0.095 U	0.14 J	0.0095 U	0.05 U	0.05 U	0.05 U
080W	GAMMA-CHLORDANE	0.0095 U	0.0096 U	0.02 U	0.016	0.0095 U	0.0097 U	0.0095 U	0.095 U	0.0097 U	0.0095 U	0.1 U	0.1 U	0.1 U
080W	HEPTACHLOR	0.0095 U	0.0096 U	0.02 U	0.01 U	0.0095 U	0.0097 U	0.0095 U	R	0.0097 U	0.0095 U	0.05 U	0.05 U	0.05 U
080W	HEPTACHLOR EPOXIDE	0.0095 U	0.0041 U	0.02 U	0.01 U	0.0095 U	0.0097 U	0.0095 U	0.095 U	0.0097 U	0.0095 U	0.05 U	0.05 U	0.05 U
080W	ISODRIN	0.0095 U	0.0096 U	0.02 U	0.01 U	0.0095 U	0.0097 U	0.0095 U	0.095 U	0.0097 U	0.0095 U	0.02 U	0.02 U	0.02 U
080W	KEPONE	0.0095 U	0.0096 U	0.02 U	0.01 U	0.0095 U	0.0097 U	0.0095 U	0.095 U	0.0097 U	0.0095 U	0.05 U	0.05 U	0.05 U
080W	METHOXYCHLOR	0.048 U	0.048 U	0.1 U	0.051 U	0.048 U	0.049 U	0.047 U	0.48 U	0.049 U	0.047 U	0.5 U	0.5 U	0.5 U
080W	PCB-1016	0.095 U	0.096 U	0.2 U	0.1 U	0.095 U	0.097 U	0.095 U	0.95 U	0.097 U	0.095 U	0.5 U	0.5 U	0.5 U
080W	PCB-1221	0.19 U	0.19 U	0.4 U	0.2 U	0.19 U	0.19 U	0.19 U	1.9 U	0.19 U	0.19 U	0.5 U	0.5 U	0.5 U
080W	PCB-1232	0.19 U	0.19 U	0.4 U	0.2 U	0.19 U	0.19 U	0.19 U	1.9 U	0.19 U	0.19 U	0.5 U	0.5 U	0.5 U
080W	PCB-1242	0.095 U	0.096 U	0.2 U	0.1 U	0.095 U	0.097 U	0.095 U	0.95 U	0.097 U	0.095 U	0.5 U	0.5 U	0.5 U
080W	PCB-1248	0.095 U	0.096 U	0.2 U	0.1 U	0.095 U	0.097 U	0.095 U	0.95 U	0.097 U	0.095 U	0.5 U	0.5 U	0.5 U
080W	PCB-1254	0.19 U	0.19 U	0.4 U	0.2 U	0.19 U	0.19 U	0.19 U	1.9 U	0.19 U	0.19 U	1 U	1 U	1 U
080W	PCB-1260	0.19 U	0.19 U	0.4 U	0.2 U	0.19 U	0.19 U	0.19 U	1.9 U	0.19 U	0.19 U	1 U	1 U	1 U
080W	TOXAPHENE	0.48 U	0.48 U	1 U	0.51 U	0.48 U	0.49 U	0.47 U	4.8 U	0.49 U	0.47 U	1 U	1 U	1 U
4ZW	DIMETHOATE	0.95 U	0.96 U	1 U	0.44 J	1 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	4 U	4 U	4 U
4ZW	DISULFOTON	0.96 U	0.96 U	1 U	0.95 U	1 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	1.5 U	1.5 U	1.5 U
4ZW	ETHYL PARATHION	0.72 U	0.72 U	0.77 U	0.71 U	0.75 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.6 U	0.6 U	0.6 U
4ZW	FAMPHUR	2.4 U	2.4 U	2.6 U	2.4 U	2.5 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.5 U	1.5 U	1.5 U
4ZW	METHYL PARATHION	0.14 U	0.14 U	0.15 U	0.14 U	0.15 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.5 U	0.5 U	0.5 U
4ZW	O,O,O-TRIETHYLPHOSPHOROTHIOATE	4.8 U	4.8 U	5.2 U	4.8 U	5 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	NA	NA	NA
4ZW	PHORATE	0.72 U	0.72 U	0.77 U	0.71 U	0.75 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.6 U	0.6 U	0.6 U
4ZW	SULFOTEPP	0.48 U	0.48 U	0.52 U	0.48 U	0.5 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.6 U	0.6 U	0.6 U
4ZW	THIONAZIN	4.8 U	4.8 U	5.2 U	4.8 U	5 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	0.5 U	0.5 U	0.5 U
5ZW	2,4,5-T	0.19 U	0.19 U	0.11 J	0.2 U	0.2 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.3 U	0.3 U	0.3 U
5ZW	2,4,5-TP (SILVEX)	0.16 U	0.16 U	0.17 U	0.17 U	0.17 U	0.17 U	0.16 U	0.16 U	0.16 U	0.16 U	0.1 U	0.1 U	0.1 U
5ZW	2,4-D	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	0.5 U	0.5 U	0.5 U
5ZW	DINOSEB	0.14 U	0.14 U	R	0.15 U	0.15 U	0.15 U	0.14 U	0.04 J	0.14 U	0.14 U	NA	NA	NA
240W	1,1,1,2-TETRACHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
240W	1,1,1-TRICHLOROETHANE	5 U	34	5 U	5 U	5 U	5 U	23	5 U	5 U	5 U	5 U	2.9 J	25 U
240W	1,1,2,2-TETRACHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
240W	1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
240W	1,1-DICHLOROETHANE	5 U	4.1 J	2.1 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
240W	1,1-DICHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
240W	1,2,3-TRICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
240W	1,2-DIBROMO-3-CHLOROPROPANE	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	10 U	10 U	50 U
240W	1,2-DIBROMOETHANE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
240W	1,2-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
240W	1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
240W	2-BUTANONE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	R	R	R

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ORGANIC GROUNDWATER DATA
WARWICK AREA
ALL FINAL PHASE I AND PHASE II - ROUND 1 DATA

	SITE	IB-1	IB-1	IB-1	IB-1	IB-1	IB-2	IB-2	IB-2	IB-2	IB-2	IB-3	IB-3	IB-3
	LOCATOR	AOI16	AOI16	SMU5	SMU5	SMU5	AOI16	AOI16	SMU5	SMU5	SMU5	AOI16	AOI16	SMU5
	SAMPLE NUMBER	MW-17D*IB-1	MW-17S*IB-1	MW-11S*IB-1	MW-6S*IB-1	RW-3*IB-1	MW-17D*IB-2	MW-17S*IB-2	MW-11S*IB-2	MW-6S*IB-2	RW-3*IB-2	MW-17D*IB-3	MW-17S*IB-3	MW-11S*IB-3
	COLLECT DATE	1/8/91	1/8/91	1/8/91	1/7/91	1/7/91	4/15/91	4/15/91	4/18/91	4/15/91	4/16/91	9/10/91	9/10/91	9/10/91
8010W	2-CHLORO-1,3-BUTADIENE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	5 U	5 U	25 U
8010W	2-HEXANONE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	50 U	250 U
8010W	3-CHLOROPROPENE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	50 U
8010W	4-METHYL-2-PENTANONE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	50 U	250 U
8010W	ACETONE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	100 U	100 U	500 U
8010W	ACETONITRILE	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	R	R	R
8010W	ACROLEIN	R	R	R	R	R	R	R	R	R	R	R	R	R
8010W	ACRYLONITRILE	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	100 U	100 U	500 U
8010W	BENZENE	5 U	5 U	25	5 U	5 U	5 U	5 U	13 J	5 U	5 U	5 U	5 U	25 U
8010W	BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
8010W	BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
8010W	BROMOMETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U	50 U
8010W	CARBON DISULFIDE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
8010W	CARBON TETRACHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
8010W	CHLOROBENZENE	5 U	5 U	3500	1.8 J	5 U	5 U	5 U	780 J	1.1 J	5 U	5 U	5 U	300
8010W	CHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
8010W	CHLOROFORM	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 J	25 U
8010W	CHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 J	50 U
8010W	CIS-1,3-DICHLOROPROPENE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
8010W	DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
8010W	DIBROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
8010W	DICHLORODIFLUOROMETHANE	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	50 U	50 U	250 U
8010W	ETHYL METHACRYLATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	25 U
8010W	ETHYLBENZENE	5 U	5 U	2.7 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
8010W	IODOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	15 U
8010W	ISOBUTANOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	R	R	R
8010W	M&P-XYLENE	5 U	5 U	1.8 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25000 U
8010W	METHACRYLONITRILE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U	100 U	500 U
8010W	METHYL METHACRYLATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	25 U
8010W	METHYLENE CHLORIDE	12 U	4 U	5 U	5 U	5 U	5 U	5 U	110 U	5 U	7.3 U	5 U	5 U	25 U
8010W	O-XYLENE	5 U	5 U	0.6 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
8010W	PENTACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	R
8010W	PROPANENITRILE	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	500 U
8010W	STYRENE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
8010W	TETRACHLOROETHENE	5 U	5 U	8.4	5 U	5 U	5 U	5 U	4 J	5 U	5 U	5 U	5 U	25 U
8010W	TOLUENE	2 J	5 U	31	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	25 U
8010W	TRANS-1,2-DICHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
8010W	TRANS-1,3-DICHLOROPROPENE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
8010W	TRANS-1,4-DICHLORO-2-BUTENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
8010W	TRICHLOROETHENE	5 U	2.1 J	2 J	5 U	5 U	5 U	1.3 J	5 U	5 U	5 U	5 U	5 U	25 U
8010W	TRICHLOROFLUOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
8010W	VINYL ACETATE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	50 U
8010W	VINYL CHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
8010W	1,4-DIOXANE	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U	NA	NA	NA
8010W	ISOBUTANOL	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U	NA	NA	NA
8010W	METHACRYLONITRILE	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U	NA	NA	NA
8270W	1,2,4,5-TETRACHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	1,2,4-TRICHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	1,2-DICHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	1,3,5-TRINITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	50 U
8270W	1,3-DICHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	1,3-DINITROBENZENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	50 U	50 U	50 U
8270W	1,4-DICHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U
8270W	1,4-NAPHTHOQUINONE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U

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ORGANIC GROUNDWATER DATA
WARWICK AREA
ALL FINAL PHASE I AND PHASE II - ROUND 1 DATA

	SITE	IB-1	IB-1	IB-1	IB-1	IB-1	IB-2	IB-2	IB-2	IB-2	IB-2	IB-3	IB-3	IB-3
	LOCATOR	AOI16	AOI16	SMU5	SMU5	SMU5	AOI16	AOI16	SMU5	SMU5	SMU5	AOI16	AOI16	SMU5
	SAMPLE NUMBER	MW-17D*IB-1	MW-17S*IB-1	MW-11S*IB-1	MW-6S*IB-1	RW-3*IB-1	MW-17D*IB-2	MW-17S*IB-2	MW-11S*IB-2	MW-6S*IB-2	RW-3*IB-2	MW-17D*IB-3	MW-17S*IB-3	MW-11S*IB-3
	COLLECT DATE	1/8/91	1/8/91	1/8/91	1/7/91	1/7/91	4/15/91	4/15/91	4/18/91	4/15/91	4/16/91	9/10/91	9/10/91	9/10/91
270W	1-NAPHTHYLAMINE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	2,2'-OXYBIS(1-CHLOROPROPANE)	10 U	10 U	28	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	2,3,4,6-TETRACHLOROPHENOL	20 U	19 U	20 U	20 U	20 U	19 U	19 U	19 U	19 U	19 U	10 U	10 U	10 U
270W	2,4,5-TRICHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	50 U	50 U	50 U
270W	2,4,6-TRICHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	2,4-DICHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	2,4-DIMETHYLPHENOL	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	2,4-DINITROPHENOL	49 U	48 U	51 U	51 U	50 U	48 U	48 U	48 U	48 U	48 U	50 U	50 U	50 U
270W	2,4-DINITROTOLUENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	2,6-DICHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	2,6-DINITROTOLUENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	2-ACETYLAMINOFLUORENE	49 U	48 U	51 U	51 U	50 U	48 U	48 U	48 U	48 U	48 U	20 U	20 U	20 U
270W	2-CHLORONAPHTHALENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	2-CHLOROPHENOL	10 U	10 U	11 J	10 U	10 U	9.5 U	9.5 U	6 J	9.5 U	9.5 U	10 U	10 U	1.7 J
270W	2-METHYLNAPHTHALENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	2-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	2-NAPHTHYLAMINE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	2-NITROANILINE	49 U	48 U	51 U	51 U	50 U	48 U	48 U	48 U	48 U	48 U	50 U	50 U	50 U
270W	2-NITROPHENOL	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	2-PICOLINE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U
270W	3,3'-DICHLOROBENZIDINE	20 U	19 U	20 U	20 U	20 U	19 U	19 U	19 U	19 U	19 U	20 U	20 U	20 U
270W	3,3'-DIMETHYLBENZIDINE	20 U	19 U	20 U	20 U	20 U	19 U	19 U	19 U	19 U	19 U	10 U	10 U	10 U
270W	3-METHYLCHOLANTHRENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	3-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	NA	NA	NA
270W	3-NITROANILINE	49 U	48 U	51 U	51 U	50 U	48 U	48 U	48 U	48 U	48 U	50 U	50 U	50 U
270W	4,6-DINITRO-2-METHYLPHENOL	49 U	48 U	51 U	51 U	50 U	48 U	48 U	48 U	48 U	48 U	50 U	50 U	50 U
270W	4-AMINOBIPHENYL	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	20 U	20 U	20 U
270W	4-BROMOPHENYL-PHENYLETHER	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	4-CHLORO-3-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	4-CHLOROANILINE	10 U	10 U	21	10 U	10 U	9.5 U	9.5 U	5 J	9.5 U	9.5 U	10 U	10 U	0.9 J
270W	4-CHLOROPHENYL-PHENYLETHER	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	4-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	NA	NA	NA
270W	4-NITROANILINE	49 U	48 U	51 U	51 U	50 U	48 U	48 U	48 U	48 U	48 U	50 U	50 U	50 U
270W	4-NITROPHENOL	49 U	48 U	51 U	51 U	50 U	48 U	48 U	48 U	48 U	48 U	50 U	50 U	50 U
270W	4-NITROQUINOLINE-N-OXIDE	R	R	R	R	R	R	R	R	R	R	100 U	100 U	100 U
270W	5-NITRO-O-TOLUIDINE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	7,12-DIMETHYLBENZ(A)ANTHRACENE	49 U	48 U	51 U	51 U	50 U	48 U	48 U	48 U	48 U	48 U	10 U	10 U	10 U
270W	ACENAPHTHENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	ACENAPHTHYLENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	ACETOPHENONE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	ANILINE	10 U	10 U	7 J	10 U	10 U	9.5 U	9.5 U	2 J	9.5 U	9.5 U	50 U	50 U	50 U
270W	ANTHRACENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	ARAMITE	98 U	95 U	100 U	100 U	100 U	95 U	95 U	96 U	95 U	95 U	100 U	100 U	100 U
270W	BENZO(A)ANTHRACENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	BENZO(A)PYRENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	BENZO(B)FLUORANTHENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	BENZO(G,H,I)PERYLENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	BENZO(K)FLUORANTHENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	BENZYL ALCOHOL	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	BIS(2-CHLOROETHOXY)METHANE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
270W	BIS(2-CHLOROETHYL)ETHER	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	2 J	9.5 U	9.5 U	10 U	10 U	0.7 J
270W	BIS(2-ETHYLHEXYL)PHTHALATE	3 U	2 U	2 U	[illegible]	4 U	12 U	9.5 U	9.6 U	9.5 U	26 U	0.9 U	0.7 U	1.8 U
270W	BUTAZOLIDIN	49 U	48 U	51 U	[illegible]	50 U	[illegible]	48 U	48 U	48 U	48 U	500 U	500 U	500 U
270W	BUTYLBENZYLPHTHALATE	10 U	10 U	10 U	[illegible]	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U

CIBA-GEIGY FACILITY
ORGANIC GROUNDWATER DATA
WARWICK AREA
ALL FINAL PHASE I AND PHASE II - ROUND 1 DATA

9/16/94

	SITE	IB-1	IB-1	IB-1	IB-1	IB-1	IB-2	IB-2	IB-2	IB-2	IB-2	IB-3	IB-3	IB-3
	LOCATOR	AO816	AO816	SM05	SM05	SM05	AO816	AO816	SM05	SM05	SM05	AO816	AO816	SM05
	SAMPLE NUMBER	MW-17D*IB-1	MW-17S*IB-1	MW-11S*IB-1	MW-6S*IB-1	RW-3*IB-1	MW-17D*IB-2	MW-17S*IB-2	MW-11S*IB-2	MW-6S*IB-2	RW-3*IB-2	MW-17D*IB-3	MW-17S*IB-3	MW-11S*IB-3
	COLLECT DATE	1/8/91	1/8/91	1/8/91	1/7/91	1/7/91	4/15/91	4/15/91	4/18/91	4/15/91	4/16/91	9/10/91	9/10/91	9/10/91
8270W	CHLOROBENZILATE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	NA	NA	NA
8270W	CHRYSENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	DCDD	20 U	19 U	20 U	20 U	20 U	19 U	19 U	19 U	19 U	19 U	NA	NA	NA
8270W	DCDF	20 U	19 U	20 U	20 U	20 U	19 U	19 U	19 U	19 U	19 U	NA	NA	NA
8270W	DI-N-BUTYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	0.7 J	10 U	10 U
8270W	DI-N-OCTYLPHTHALATE	10 U	10 U	1 J	10 U	1 J	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	DIALLATE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	DIBENZ(A,H)ANTHRACENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	DIBENZOFURAN	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	DIETHYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	2.3 J
8270W	DIMETHYLPHENETHYLAMINE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	1000 U	1000 U	1000 U
8270W	DIMETHYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	DINOSEB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	50 U
8270W	DIPHENYLAMINE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	ETHYL METHANESULFONATE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	20 U	20 U	20 U
8270W	FLUORANTHENE	10 U	10 U	10 U	10 U	1 J	9.5 U	9.5 U	9.6 U	9.5 U	1 J	10 U	10 U	10 U
8270W	FLUORENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	HEXACHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	HEXACHLOROBUTADIENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	HEXACHLOROCYCLOPENTADIENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	HEXACHLOROETHANE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	HEXACHLOROPHENE	NA	NA	NA	NA	NA	1900 U	1900 U	1900 U	1900 U	1900 U	NA	NA	NA
8270W	HEXACHLOROPROPENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	INDENO(1,2,3-CD)PYRENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	IRGASAN DP-300	49 U	48 U	51 U	51 U	50 U	48 U	48 U	48 U	48 U	48 U	100 U	100 U	100 U
8270W	ISOPHORONE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	ISOSAFROLE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	METHAPYRILENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	1000 U	1000 U	1000 U
8270W	METHYL METHANESULFONATE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	N-NITROSO-DI-N-BUTYLAMINE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	N-NITROSO-DI-N-PROPYLAMINE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	N-NITROSODIETHYLAMINE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	20 U	20 U	20 U
8270W	N-NITROSODIMETHYLAMINE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	N-NITROSODIPHENYLAMINE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	NA	NA	NA
8270W	N-NITROSOMETHYLETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U
8270W	N-NITROSOMORPHOLINE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	N-NITROSOPIPERIDINE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	20 U	20 U	20 U
8270W	N-NITROSOPYRROLIDINE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	40 U	40 U	40 U
8270W	NAPHTHALENE	10 U	10 U	4 J	10 U	10 U	9.5 U	9.5 U	1 J	9.5 U	9.5 U	10 U	10 U	10 U
8270W	NITROBENZENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	O,O,O-TRIETHYLPHOSPHOROTHIOATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8270W	O,O,O-TRIETHYLPHOSPHORTHIOATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U
8270W	O-TOLUIDINE	10 U	10 U	6 J	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	P-DIMETHYLAMINOAZOBENZENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	P-PHENYLENEDIAMINE	49 U	48 U	51 U	51 U	50 U	48 U	48 U	48 U	48 U	48 U	1000 U	1000 U	1000 U
8270W	PENTACHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	PENTACHLOROETHANE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	NA	NA	NA
8270W	PENTACHLORONITROBENZENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	100 U	100 U	100 U
8270W	PENTACHLOROPHENOL	49 U	48 U	51 U	51 U	50 U	48 U	48 U	48 U	48 U	48 U	50 U	50 U	50 U
8270W	PHENACETIN	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	20 U	20 U	20 U
8270W	PHENANTHRENE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	PHENOL	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	3 J	9.5 U	9.5 U	10 U	10 U	1.5 J
8270W	PRONAMIDE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
8270W	PROPAZINE	49 U	48 U	7 J	35 J	50 U	48 U	48 U	48 U	15 J	48 U	200 U	200 U	200 U
8270W	PYRENE	10 U	10 U	10 U	10 U	2 J	9.5 U	9.5 U	9.6 U	9.5 U	0.96 J	10 U	10 U	10 U

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CIBA-GEIGY FACILITY
ORGANIC GROUNDWATER DATA
WARWICK AREA
ALL FINAL PHASE I AND PHASE II - ROUND 1 DATA

	SITE	IB-1	IB-1	IB-1	IB-1	IB-1	IB-2	IB-2	IB-2	IB-2	IB-2	IB-3	IB-3	IB-3
	LOCATOR	AOI16	AOI16	SMU5	SMU5	SMU5	AOI16	AOI16	SMU5	SMU5	SMU5	AOI16	AOI16	SMU5
	SAMPLE NUMBER	MW-17D*IB-1	MW-17S*IB-1	MW-118*IB-1	MW-48*IB-1	RW-3*IB-1	MW-17D*IB-2	MW-17S*IB-2	MW-118*IB-2	MW-48*IB-2	RW-3*IB-2	MW-17D*IB-3	MW-17S*IB-3	MW-118*IB-3
	COLLECT DATE	1/8/91	1/8/91	1/8/91	1/7/91	1/7/91	4/15/91	4/15/91	4/18/91	4/15/91	4/16/91	9/10/91	9/10/91	9/10/91
70W	PYRIDINE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	100 U	100 U	100 U
70W	SAFROLE	10 U	10 U	10 U	10 U	10 U	9.5 U	9.5 U	9.6 U	9.5 U	9.5 U	10 U	10 U	10 U
70W	TINUVIN 327	49 U	48 U	4 J	5 J	50 U	48 U	48 U	1 J	48 U	48 U	100 U	100 U	0.8 J
70W	TINUVIN 328	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
70W	TOPRANIL	49 U	48 U	51 U	51 U	50 U	48 U	48 U	48 U	48 U	48 U	50 U	50 U	50 U
70W	TRCDD	20 U	19 U	20 U	20 U	20 U	19 U	19 U	19 U	19 U	19 U	NA	NA	NA
70W	TRCDF	20 U	19 U	20 U	20 U	20 U	19 U	19 U	19 U	19 U	19 U	NA	NA	NA
IWZW	1,2,3,4,6,7,8-HPCDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00083459 U	0.000802 U	0.00012641 U
IWZW	1,2,3,4,6,7,8-HPCDF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00036873 U	0.00022257 U	0.00011449 U
IWZW	1,2,3,4,7,8,9-HPCDF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00036858 U	0.00030696 U	0.0001579 U
IWZW	1,2,3,4,7,8-HXCDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000319 U	0.000317 U	0.000196 U
IWZW	1,2,3,4,7,8-HXCDF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0001919 U	0.00018984 U	0.00010887 U
IWZW	1,2,3,6,7,8-HXCDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00034076 U	0.00030425 U	0.00016113 U
IWZW	1,2,3,6,7,8-HXCDF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0001785 U	0.00018188 U	0.00010266 U
IWZW	1,2,3,7,8,9-HXCDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00083272 U	0.0008081 U	0.00016052 U
IWZW	1,2,3,7,8,9-HXCDF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00033058 U	0.00024871 U	0.00013756 U
IWZW	1,2,3,7,8-PECDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00082657 U	0.000364 U	0.00014659 U
IWZW	1,2,3,7,8-PECDF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00034185 U	0.00022297 U	0.00008235 U
IWZW	2,3,4,6,7,8-HXCDF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00030178 U	0.00020978 U	0.00011841 U
IWZW	2,3,4,7,8-PECDF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00023939 U	0.00021903 U	0.00008089 U
IWZW	2,3,7,8-TCDD	0.0015 U	0.0015 U	0.0016 U	0.002 U	0.0019 U	0.002 U	0.0019 U	0.0027 U	0.0018 U	0.002 U	0.000114 U	0.00009981 U	0.000048 U
IWZW	2,3,7,8-TCDF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00039753 U	0.00009441 U	0.00039658 U
IWZW	HPCDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00083459 U	0.000802 U	0.00012641 U
IWZW	HPCDF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00036858 U	0.00030696 U	0.0001579 U
IWZW	HXCDD	0.0031 U	0.0032 U	0.0035 U	0.0041 U	0.0039 U	0.0031 U	0.0031 U	0.0025 U	0.0029 U	0.0034 U	0.000319 U	0.000317 U	0.00017614 U
IWZW	HXCDF	0.0019 U	0.0019 U	0.0021 U	0.0024 U	0.0024 U	0.002 U	0.0019 U	0.0022 U	0.0017 U	0.0021 U	0.00033058 U	0.00024871 U	0.00013756 U
IWZW	OCDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00064999 U	0.00045309 U	0.000226 J
IWZW	OCDF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00040166 U	0.0005053 U	0.00015077 U
IWZW	PECDD	0.0018 U	0.0017 U	0.0019 U	0.0025 U	0.0022 U	0.0019 U	0.0018 U	0.0029 U	0.0019 U	0.002 U	0.00082657 U	0.000364 U	0.00014659 U
IWZW	PECDF	0.001 U	0.001 U	0.0011 U	0.0013 U	0.0012 U	0.0013 U	0.0012 U	0.0016 U	0.0011 U	0.0013 U	0.00034185 U	0.00022297 U	0.00008235 U
IWZW	TCDD	0.0015 U	0.0015 U	0.0016 U	0.002 U	0.0019 U	0.002 U	0.0019 U	0.0027 U	0.0018 U	0.002 U	0.01787881 U	0.01750471 U	0.01745792 U
IWZW	TCDF	0.0011 U	0.001 U	0.0011 U	0.0014 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.0015 U	0.0015 U	0.00105844 U	0.00085123 U	0.00048606 U

All results in (ug/l) ppb.

U - Undetected (concentration represents detection limit)

NA - Not analyzed.

R - Rejected.

J - Estimated value.

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CIBA-GEIGY FACILITY
ORGANIC GROUNDWATER DATA
WARWICK AREA
ALL FINAL PHASE I AND PHASE II - ROUND 1 DATA

	SITE	IB-3	IB-3	II-1	II-1	II-1	II-1	II-1	II-1	II-1
	LOCATOR	SMU5	SMU5	SMU16	SMU16	SMU5	SMU5	SMU5	SMU5	SMU5
	SAMPLE NUMBER	MW-68*IB-3	RW-3*IB-3	MW-178*II-1	MW-329*II-1	MW-11D*II-1	MW-119*II-1	MW-269*II-1	MW-69*II-1	MW-DUP1*II-1
	COLLECT DATE	9/10/91	9/10/91	8/25/93	8/24/93	8/24/93	8/25/93	8/24/93	8/25/93	8/25/93
HOW	4,4'-DDD	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
HOW	4,4'-DDE	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
HOW	4,4'-DDT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
HOW	ALDRIN	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
HOW	ALPHA-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
HOW	ALPHA-CHLORDANE	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
HOW	BETA-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
HOW	CHLOROBENZILATE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
HOW	DELTA-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
HOW	DIELDRIN	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
HOW	ENDOSULFAN I	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
HOW	ENDOSULFAN II	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
HOW	ENDOSULFAN SULFATE	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
HOW	ENDRIN	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
HOW	ENDRIN ALDEHYDE	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
HOW	GAMMA-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
HOW	GAMMA-CHLORDANE	0.1 U	0.1 U	0.05 U	0.05 U	0.052 J	0.05 U	0.05 U	0.05 U	0.05 U
HOW	HEPTACHLOR	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
HOW	HEPTACHLOR EPOXIDE	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
HOW	ISODRIN	0.02 U	0.02 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
HOW	KEPONE	0.05 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
HOW	METHOXYCHLOR	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
HOW	PCB-1016	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
HOW	PCB-1221	0.5 U	0.5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
HOW	PCB-1232	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
HOW	PCB-1242	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
HOW	PCB-1248	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
HOW	PCB-1254	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
HOW	PCB-1260	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
HOW	TOXAPHENE	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
IZW	DIMETHOATE	4 U	4 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
IZW	DISULFOTON	1.5 U	1.5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
IZW	ETHYL PARATHION	0.6 U	0.6 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
IZW	FAMPHUR	1.5 U	1.5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
IZW	METHYL PARATHION	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
IZW	O,O,O-TRIETHYLPHOSPHOROTHIOATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
IZW	PHORATE	0.6 U	0.6 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
IZW	SULFOTEPP	0.6 U	0.6 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
IZW	THIONAZIN	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
IZW	2,4,5-T	0.9 U	0.9 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
IZW	2,4,5-TP (SILVEX)	0.1 U	0.1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
IZW	2,4-D	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
IZW	DINOSEB	NA	NA	NA	NA	NA	NA	NA	NA	NA
OW	1,1,1,2-TETRACHLOROETHANE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
OW	1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5.4	5 U	25 U	5 U	5 U	5 U
OW	1,1,2,2-TETRACHLOROETHANE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
OW	1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
OW	1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
OW	1,1-DICHLOROETHENE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
OW	1,1,3-TRICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
OW	1,2-DIBROMO-3-CHLOROPROPANE	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
OW	1,2-DIBROMOETHANE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
OW	1,2-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
OW	1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
OW	2-BUTANONE	R	R	25 U	25 U	25 U	120 U	25 U	25 U	25 U

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CIBA-GEIGY FACILITY
ORGANIC GROUNDWATER DATA
WARWICK AREA
ALL FINAL PHASE I AND PHASE II - ROUND 1 DATA

	SITE	IB-3	IB-3	II-1	II-1	II-1	II-1	II-1	II-1	II-1
	LOCATOR	SMUS	SMUS	SMUI6	SMUI6	SMUS	SMUS	SMUS	SMUS	SMUS
	SAMPLE NUMBER	MW-6S*IB-3	RW-3*IB-3	MW-17S*II-1	MW-32S*II-1	MW-11D*II-1	MW-11S*II-1	MW-26S*II-1	MW-6S*II-1	MW-DUP1*II-1
	COLLECT DATE	9/10/91	9/10/91	8/25/93	8/24/93	8/24/93	8/25/93	8/24/93	8/25/93	8/25/93
240W	2-CHLORO-1,3-BUTADIENE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	2-HEXANONE	50 U	50 U	25 U	25 U	25 U	120 U	25 U	25 U	25 U
240W	3-CHLOROPROPENE	10 U	10 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	4-METHYL-2-PENTANONE	50 U	50 U	25 U	25 U	25 U	120 U	25 U	25 U	25 U
240W	ACETONE	100 U	100 U	25 U	25 U	25 U	120 U	25 U	25 U	25 U
240W	ACETONITRILE	R	R	1000 U	1000 U	1000 U	5000 U	1000 U	1000 U	1000 U
240W	ACROLEIN	R	R	100 U	100 U	100 U	500 U	100 U	100 U	100 U
240W	ACRYLONITRILE	100 U	100 U	100 U	100 U	100 U	500 U	100 U	100 U	100 U
240W	BENZENE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	BROMOFORM	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	BROMOMETHANE	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
240W	CARBON DISULFIDE	5 U	5 U	5 U	5 U	5 U	920	5 U	5 U	5 U
240W	CARBON TETRACHLORIDE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	590	5 U	5 U	670
240W	CHLOROETHANE	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
240W	CHLOROFORM	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	CHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
240W	CIS-1,3-DICHLOROPROPENE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	DIBROMOMETHANE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	DICHLORODIFLUOROMETHANE	50 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	ETHYL METHACRYLATE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	ETHYLBENZENE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	IODOMETHANE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	ISOBUTANOL	R	R	1000 U	1000 U	1000 U	5000 U	1000 U	1000 U	1000 U
240W	M&P-XYLENE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	METHACRYLONITRILE	100 U	100 U	100 U	100 U	100 U	500 U	100 U	100 U	100 U
240W	METHYL METHACRYLATE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	O-XYLENE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	PENTACHLOROETHANE	10 U	10 U	25 U	25 U	25 U	120 U	25 U	25 U	25 U
240W	PROPANENITRILE	100 U	100 U	100 U	100 U	100 U	500 U	100 U	100 U	100 U
240W	STYRENE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	TETRACHLOROETHENE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	TOLUENE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	TRANS-1,2-DICHLOROETHENE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	TRANS-1,3-DICHLOROPROPENE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	TRANS-1,4-DICHLORO-2-BUTENE	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
240W	TRICHLOROETHENE	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	TRICHLOROFLUOROMETHANE	10 U	10 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
240W	VINYL ACETATE	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
240W	VINYL CHLORIDE	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
240W	1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
240W	ISOBUTANOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
240W	METHACRYLONITRILE	NA	NA	NA	NA	NA	NA	NA	NA	NA
270W	1,2,4,5-TETRACHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
270W	1,2,4-TRICHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
270W	1,3-DICHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
270W	1,3,5-TRINITROBENZENE	50 U	50 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
270W	1,4-DICHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
270W	1,4-DINITROBENZENE	50 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
270W	1,4-DICHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
270W	1,4-DIOXANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
270W	1,4-NAPHTHOQUINONE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

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CIBA-GEIGY FACILITY
ORGANIC GROUNDWATER DATA
WARWICK AREA
ALL FINAL PHASE I AND PHASE II - ROUND 1 DATA

SITE	II-3	IB-3	II-1	II-1	II-1	II-1	II-1	II-1	II-1
LOCATION	SMU5	SMU5	SMU16	SMU16	SMU5	SMU5	SMU5	SMU5	SMU5
SAMPLE NUMBER	MW-65*IB-3	RW-3*IB-3	MW-175*II-1	MW-325*II-1	MW-11D*II-1	MW-11S*II-1	MW-205*II-1	MW-65*II-1	MW-DUP1*II-1
COLLECT DATE	9/10/91	9/10/91	8/25/93	8/24/93	8/24/93	8/25/93	8/24/93	8/25/93	8/25/93
8270W 1-NAPHTHYLAMINE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W 2,2'-OXYBIS(1-CHLOROPROPANE)	10 U	10 U	10 U	10 U	10 U	7 J	10 U	10 U	7.3 J
8270W 2,3,4,6-TETRACHLOROPHENOL	10 U	10 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
8270W 2,4,5-TRICHLOROPHENOL	50 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W 2,4,6-TRICHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W 2,4-DICHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W 2,4-DIMETHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W 2,4-DINITROPHENOL	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
8270W 2,4-DINITROTOLUENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W 2,6-DICHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W 2,6-DINITROTOLUENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W 2-ACETYLAMINOFLUORENE	20 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W 2-CHLORONAPHTHALENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W 2-CHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	4 J	10 U	10 U	3.9 J
8270W 2-METHYLNAPHTHALENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W 2-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W 2-NAPHTHYLAMINE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W 2-NITROANILINE	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
8270W 2-NITROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W 2-PICOLINE	10 U	10 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
8270W 3&4-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W 3,3'-DICHLOROBENZIDINE	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
8270W 3,3'-DIMETHYLBENZIDINE	10 U	10 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
8270W 3-METHYLCHOLANTHRENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W 3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
8270W 3-NITROANILINE	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
8270W 4,6-DINITRO-2-METHYLPHENOL	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
8270W 4-AMINOBIPHENYL	20 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W 4-BROMOPHENYL-PHENYLETHER	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W 4-CHLORO-3-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W 4-CHLOROANILINE	10 U	10 U	20 U	20 U	20 U	1.8 J	20 U	20 U	20 U
8270W 4-CHLOROPHENYL-PHENYLETHER	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W 4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
8270W 4-NITROANILINE	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
8270W 4-NITROPHENOL	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
8270W 4-NITROQUINOLINE-N-OXIDE	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
8270W 5-NITRO-O-TOLUIDINE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W 7,12-DIMETHYLBENZ(A)ANTHRACENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W ACENAPHTHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W ACENAPHTHYLENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W ACETOPHENONE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W ANILINE	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
8270W ANTHRACENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W ARAMITE	100 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W BENZO(A)ANTHRACENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W BENZO(A)PYRENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W BENZO(B)FLUORANTHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W BENZO(G,H,I)PERYLENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W BENZO(K)FLUORANTHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W BENZYL ALCOHOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W BIS(2-CHLOROETHOXY)METHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W BIS(2-CHLOROETHYL)ETHER	10 U	10 U	10 U	10 U	10 U	1.4 J	10 U	10 U	1.6 J
8270W BIS(2-ETHYLHEXYL)PHTHALATE	0.9 U	0.7 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W BUTAZOLIDIN	500 U	500 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
8270W BUTYLBENZYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

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CIBA-GEIGY FACILITY
ORGANIC GROUNDWATER DATA
WARWICK AREA
ALL FINAL PHASE I AND PHASE II - ROUND 1 DATA

	SITE	IB-3	IB-3	II-1	II-1	II-1	II-1	II-1	II-1	II-1
	LOCATOR	SMU5	SMU5	SMU16	SMU16	SMU5	SMU5	SMU5	SMU5	SMU5
	SAMPLE NUMBER	MW-6S*IB-3	RW-5*IB-3	MW-17S*II-1	MW-32S*II-1	MW-11D*II-1	MW-11S*II-1	MW-26S*II-1	MW-6S*II-1	MW-DUP1*II-1
	COLLECT DATE	9/10/91	9/10/91	8/25/93	8/24/93	8/24/93	8/25/93	8/24/93	8/25/93	8/25/93
8270W	CHLOROBENZILATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
8270W	CHRYSENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	DCDD	NA	NA	0 U	0 U	0 U	0 U	0 U	0 U	0 U
8270W	DCDF	NA	NA	0 U	0 U	0 U	0 U	0 U	0 U	0 U
8270W	DI-N-BUTYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	DI-N-OCTYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	DIALLATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	DIBENZ(A,H)ANTHRACENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	DIBENZOFURAN	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	DIETHYLPHTHALATE	1.7 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	DIMETHYLPHENETHYLAMINE	1000 U	1000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
8270W	DIMETHYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	DINOSEB	50 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	DIPHENYLAMINE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	ETHYL METHANESULFONATE	20 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	FLUORANTHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	FLUORENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	HEXACHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	HEXACHLOROBUTADIENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	HEXACHLOROCYCLOPENTADIENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	HEXACHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	HEXACHLOROPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
8270W	HEXACHLOROPROPENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	INDENO(1,2,3-CD)PYRENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	IRGAZAN DP-300	100 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	ISOPHORONE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	ISOSAFROLE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	METHAPYRILENE	1000 U	1000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
8270W	METHYL METHANESULFONATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	N-NITROSO-DI-N-BUTYLAMINE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	N-NITROSO-DI-N-PROPYLAMINE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	N-NITROSODIETHYLAMINE	20 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	N-NITROSODIMETHYLAMINE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
8270W	N-NITROSOMETHYLETHYLAMINE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	N-NITROSOMORPHOLINE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	N-NITROSOPIPERIDINE	20 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	N-NITROSOPYRROLIDINE	40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	NAPHTHALENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	NITROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	O,O,O-TRIETHYLPHOSPHOROTHIOATE	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	O,O,O-TRIETHYLPHOSPHORTHIOATE	10 U	10 U	NA	NA	NA	NA	NA	NA	NA
8270W	O-TOLUIDINE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	P-DIMETHYLAMINOAZOBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	P-PHENYLENEDIAMINE	1000 U	1000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
8270W	PENTACHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	PENTACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
8270W	PENTACHLORONITROBENZENE	100 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	PENTACHLOROPHENOL	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
8270W	PHENACETIN	20 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	PHENANTHRENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	PHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	PRONAMIDE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	PROPAZINE	16 J	200 U	20 U	20 U	20 U	19 J	20 U	20 U	22
8270W	PYRENE	10 U	0.6 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U

9/16/94

CIBA-GEIGY FACILITY
ORGANIC GROUNDWATER DATA
WARWICK AREA
ALL FINAL PHASE I AND PHASE II - ROUND 1 DATA

	SITE	B-9	B-9	II-1	II-1	II-1	II-1	II-1	II-1	II-1
	LOCATOR	SMU5	SMU5	SMU16	SMU16	SMU5	SMU5	SMU5	SMU5	SMU5
	SAMPLE NUMBER	MW-6S*B-3	RW-3*B-3	MW-17S*II-1	MW-32S*II-1	MW-11D*II-1	MW-11S*II-1	MW-25S*II-1	MW-6S*II-1	MW-2UP1*II-1
	COLLECT DATE	9/10/91	9/10/91	8/25/93	8/24/93	8/24/93	8/25/93	8/24/93	8/25/93	8/25/93
8270W	PYRIDINE	100 U	100 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
8270W	SAFROLE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	TINUVIN 327	100 U	100 U	NA	NA	NA	NA	NA	NA	NA
8270W	TINUVIN 328	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U
8270W	TOPRANIL	50 U	50 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
8270W	TECDD	NA	NA	0 U	0 U	0 U	0 U	0 U	0 U	0 U
8270W	TECDF	NA	NA	0 U	0 U	0 U	0 U	0 U	0 U	0 U
SOWZW	1,2,3,4,6,7,8-HPCDD	0.00020882 U	0.00015583 U	0.00055 U	0.00062 U	0.00057 U	0.00051 U	0.0016 U	0.00066 U	0.00056 U
SOWZW	1,2,3,4,6,7,8-HPCDF	0.00018326 U	0.00011261 U	0.00029 U	0.00035 U	0.00028 U	0.00034 U	0.0015 U	0.00033 U	0.00029 U
SOWZW	1,2,3,4,7,8,9-HPCDF	0.00024698 U	0.00015561 U	0.00036 U	0.00044 U	0.00037 U	0.00042 U	0.002 U	0.00041 U	0.00037 U
SOWZW	1,2,3,4,7,8-HXCDD	0.000294 U	0.00025681 U	0.00033 U	0.00036 U	0.00034 U	0.00035 U	0.0017 U	0.00039 U	0.00033 U
SOWZW	1,2,3,4,7,8-HXCDF	0.00016346 U	0.00019239 U	0.00019 U	0.00025 U	0.00021 U	0.00026 U	0.0015 U	0.00021 U	0.00022 U
SOWZW	1,2,3,6,7,8-HXCDD	0.00026642 U	0.00023509 U	0.00033 U	0.00037 U	0.00035 U	0.00036 U	0.0017 U	0.0004 U	0.00034 U
SOWZW	1,2,3,6,7,8-HXCDF	0.00015391 U	0.00012914 U	0.00017 U	0.0003 U	0.0002 U	0.00024 U	0.0013 U	0.00019 U	0.00018 U
SOWZW	1,2,3,7,8,9-HXCDD	0.00024061 U	0.00022954 U	0.0003 U	0.0034 U	0.00032 U	0.00035 U	0.0017 U	0.00037 U	0.00031 U
SOWZW	1,2,3,7,8,9-HXCDF	0.00019881 U	0.00015907 U	0.00022 U	0.0029 U	0.00024 U	0.00031 U	0.0018 U	0.00025 U	0.00025 U
SOWZW	1,2,3,7,8-PECDD	0.00030987 U	0.000254 U	0.00028 U	0.0028 U	0.00026 U	0.00031 U	0.0014 U	0.00034 U	0.0003 U
SOWZW	1,2,3,7,8-PECDF	0.00018408 U	0.0001259 U	0.00014 U	0.00017 U	0.00019 U	0.00021 U	0.0011 U	0.00019 U	0.00018 U
SOWZW	2,3,4,6,7,8-HXCDF	0.00017598 U	0.0001992 U	0.00015 U	0.00026 U	0.00022 U	0.00028 U	0.0015 U	0.00022 U	0.0002 U
SOWZW	2,3,4,7,8-PECDF	0.00017803 U	0.00011983 U	0.00011 U	0.00018 U	0.0009 U	0.00023 U	0.0011 U	0.0002 U	0.00019 U
SOWZW	2,3,7,8-TCDD	0.0011 U	0.000085 U	0.00022 U	0.00023 U	0.00025 U	0.00023 U	0.00084 U	0.00027 U	0.00031 U
SOWZW	2,3,7,8-TCDF	0.00011559 U	0.0000749 U	0.00023 U	0.00029 U	0.00026 U	0.0008 U	0.00082 U	0.00025 U	0.00029 U
SOWZW	HPCDD	0.00020882 U	0.00015583 U	0.00051 U	0.00062 U	0.00057 U	0.00051 U	0.0016 U	0.00066 U	0.00056 U
SOWZW	HPCDF	0.00024698 U	0.00015361 U	0.00026 U	0.00035 U	0.00028 U	0.00034 U	0.0015 U	0.00033 U	0.00029 U
SOWZW	HXCDD	0.000294 U	0.00025681 U	0.0008 U	0.0034 U	0.00032 U	0.00039 U	0.0017 U	0.00037 U	0.00031 U
SOWZW	HXCDF	0.00024854 U	0.00016967 U	0.00011 U	0.00023 U	0.0002 U	0.00024 U	0.0013 U	0.00019 U	0.00018 U
SOWZW	OCDD	0.00042854 U	0.00058241 U	0.001 U	0.0034 U	0.0021 U	0.0016 U	0.0046 U	0.0012 J	0.0014 U
SOWZW	OCDF	0.00034137 U	0.00019853 U	0.0009 U	0.00081 U	0.00082 U	0.00082 U	0.0029 U	0.00084 U	0.001 U
SOWZW	PECDD	0.00030987 U	0.00044458 J	0.00028 U	0.0028 U	0.00026 U	0.00031 U	0.0014 U	0.00034 U	0.0003 U
SOWZW	PECDF	0.00018408 U	0.00020797 U	0.00016 U	0.00017 U	0.00019 U	0.00021 U	0.0011 U	0.00019 U	0.00018 U
SOWZW	TCDD	0.01859142 U	0.01872524 U	0.00022 U	0.00025 U	0.00025 U	0.00023 U	0.00084 U	0.00027 U	0.00031 U
SOWZW	TCDF	0.00099454 U	0.00097313 U	0.00025 U	0.00029 U	0.00026 U	0.0008 U	0.00082 U	0.00025 U	0.00029 U

All results in (ug/l) ppb.

U - Undetected (concentration represents detection limit)

NA - Not analyzed.

R - Rejected.

J - Estimated value.

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