Monsanto AREA 1 GW

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153660

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	GM-1	GM-1	GM-2	GM-2	GM-3	GM-3	GM-3	GM-4A	GM-4A	GM-4B
Date:	11/83	5/84	11/83	5/84	11/83	5/84	5/84*	11/83	5/84	9/84
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
acrolein	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA
acrylonitrile	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA
benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	176
bis (chloromethyl) ether	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1.5
bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<3.2
carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1.5
[redacted]	<1	<1	<1	<1	<1	<1	<1	<1	<1	[redacted]
chlorodibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2.0
chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2.4
2-chloroethylvinyl ether	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5.9
chloroform	2	<1	28	<1	11	<1	<1	<1	<1	23
dichlorobromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1.1
dichlorodifluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.8
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1.5
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1.9
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1.5
cis-1,3-dichloropropylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1.5
trans-1,3-dichloropropylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1.5
ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	8
methyl bromide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1.5
methyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1.6
methylene chloride	18	32	12	74	12	51	53	9	38	<1.1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	4
tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1.5
toluene	<1	1	<1	1	<1	1	2	<1	2	2
1,2-trans-dichloroethylene	<1	<1	<1	4	<1	<1	<1	<1	<1	2
1,1,1-trichloroethane	5	<1	<1	<1	<1	3	<1	<1	<1	<1.2
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1.6
trichloroethylene	6	<1	6	3	<1	<1	<1	<1	<1	<1.3
trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1.2
vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1.2
Sub Total 1	31	33	46	82	23	55	55	9	40	2555
Miscellaneous Volatile Organic Compounds										
methyl-iso-butyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5
methyl isoamyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5
m-xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5
o-xylene/p-xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5
Sub Total 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
Total VOC's Analyzed	31	33	46	82	23	55	55	9	40	2555

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	GM-4B	GM-4B	GM-4B	GM-4B	GM-4B	GM-4C	GM-4C	GM-5	GM-5	GM-6A
Date:	11/84	11/84*	2/85	11/85	11/85*	2/85	5/85	11/83	5/84	11/83
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
acrolein	<5,000	<5,000	<100	<1,000	<100	<100	<1,000	<1	<1	<1
acrylonitrile	<5,000	<5,000	<100	<1,000	<100	<100	<1,000	<1	<1	<1
benzene	500	<500	142	<44	28.3	97.7	<44	<1	2	<1
bis (chloromethyl) ether	<500	<500	<10	<100	<10	<10	<100	<1	<1	<1
bromoform	<500	<500	<4.7	<47	<4.7	<4.7	<47	<1	<1	<1
carbon tetrachloride	<500	<500	<2.8	<28	<2.8	<2.8	<28	<1	<1	<1
chlorobenzene	15,900	15,900	13,600	4,360	5,400	9,210	4,515.3	<1	<1	<1
chlorodibromomethane	<500	<500	<3.1	<31	<3.1	<3.1	<31	<1	<1	<1
chloroethane	<500	<500	<10	<100	<10	<10	<100	<1	<1	<1
2-chloroethylvinyl ether	<500	<500	<10	<100	<10	<10	<100	<1	<1	<1
chloroform	<500	<500	<1.6	<16	<1.6	<1.6	<16	1	<1	3
dichlorobromomethane	<500	<500	<2.2	<22	<2.2	<2.2	<22	<1	<1	<1
dichlorodifluoromethane	<500	<500	<10	<100	<10	<10	<100	<1	<1	<1
1,1-dichloroethane	<500	<500	<4.7	<47	<4.7	<4.7	<47	<1	<1	29
1,2-dichloroethane	<500	<500	<2.8	<28	<2.8	<2.8	<28	<1	<1	<1
1,1-dichloroethylene	<500	<500	<2.8	<28	<2.8	<2.8	<28	<1	<1	<1
1,2-dichloropropane	<500	<500	<6	<60	<6	<6	<60	<1	<1	<1
cis-1,3-dichloropropylene	<500	<500	<5	<50	<5	<5	<50	<1	<1	<1
trans-1,3-dichloropropylene	<500	<500	<10	<100	<10	<10	<100	<1	<1	<1
ethylbenzene	<500	<500	<7.2	<72	<7.2	<7.2	<72	<1	<1	<1
methyl bromide	<500	<500	<10	<100	<10	<10	<100	<1	<1	<1
methyl chloride	<500	<500	<10	<100	<10	<10	<100	<1	<1	<1
methylene chloride	<500	<500	<2.8	<28	<2.8	<2.8	<28	10	102	18
1,1,2,2-tetrachloroethane	<500	<500	<6.9	<69	<6.9	<6.9	<69	<1	<1	<1
tetrachloroethylene	<500	<500	<4.1	<41	<4.1	<4.1	<41	<1	<1	<1
toluene	<500	<500	<6	<60	<6	<6	<60	2	2	1
1,2-trans-dichloroethylene	<500	<500	<3.1	<16	<1.6	<1.6	<16	<1	<1	<1
1,1,1-trichloroethane	<500	<500	<3.8	<38	<3.8	<3.8	66	<1	<1	2
1,1,2-trichloroethane	<500	<500	<5	<50	<5	<5	<50	<1	<1	<1
trichloroethylene	<500	<500	<1.9	<19	<1.9	<1.9	<19	<1	<1	2
trichlorofluoromethane	<500	<500	<10	<100	<10	<10	<100	<1	<1	<1
vinyl chloride	<500	<500	<10	<100	<10	<10	<100	<1	<1	<1
Sub Total 1	16400	15900	13742	4360	5428.3	9307.7	4581.3	13	106	55
Miscellaneous Volatile Organic Compounds										
methyl-iso-butyl ketone	<500	<500	<10	<100	<10	<10	<100	NA	NA	NA
methyl isoamyl ketone	<500	<500	<10	<100	<10	<10	<100	NA	NA	NA
m-xylene	<500	<500	<10	<100	<10	<10	<100	NA	NA	NA
o-xylene/p-xylene	<500	<500	<10	<100	<10	<10	<100	NA	NA	NA
Sub Total 2	0	0	0	0	0	0	0	NA	NA	NA
Total VOC's Analyzed	16400	15900	13742	4360	5428.3	9307.7	4581.3	13	106	55

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	GM-6A	GM-6A	GM-6B	GM-6B	GM-6B	GM-7	GM-7	GM-8	GM-8	GM-8
Date:	5/84	11/84	9/84**	11/84	11/85	11/83	5/84	11/83	5/84	11/84
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
acrolein	<1	<100	NA	<100	<1,000	<1	<1	<1	<1	<100
acrylonitrile	<1	<100	NA	<100	<1,000	<1	<1	<1	<1	<100
benzene	1	<10	28	71	71.8	1	<1	3	2	<10
bis (chloromethyl) ether	<1	<10	<1.5	<10	<100	<1	<1	<1	<1	<10
bromoform	<1	<10	<3.2	<10	<47	<1	<1	<1	<1	<10
carbon tetrachloride	<1	<10	<1.5	<10	<28	<1	<1	<1	<1	<10
chlorobenzene	<1	<10	2,620	326	379.0	<1	<1	<1	<1	<10
chlorodibromomethane	<1	<10	<2.0	<10	<31	<1	<1	<1	<1	<10
chloroethane	<1	<10	437	<10	<100	<1	<1	<1	<1	<10
2-chloroethylvinyl ether	<1	<10	<5.9	<10	<100	<1	<1	<1	<1	<10
chloroform	<1	<10	<0.8	<10	<16	<1	<1	8	<1	<10
dichlorobromomethane	<1	<10	<1.1	<10	<22	<1	<1	<1	<1	<10
dichlorodifluoromethane	<1	<10	NA	<10	<100	<1	<1	<1	<1	<10
1,1-dichloroethane	<1	13	224	184	75.7	<1	<1	<1	<1	<10
1,2-dichloroethane	<1	<10	<1.5	<10	<28	<1	<1	<1	<1	<10
1,1-dichloroethylene	<1	<10	24	15	<28	<1	<1	<1	<1	<10
1,2-dichloropropane	<1	<10	<1.5	<10	<60	<1	<1	<1	<1	<10
cis-1,3-dichloropropylene	<1	<10	<1.5	<10	<50	<1	<1	<1	<1	<10
trans-1,3-dichloropropylene	<1	<10	<1.5	<10	<100	<1	<1	<1	<1	<10
ethylbenzene	<1	<10	5	<10	<72	<1	<1	<1	<1	<10
methyl bromide	<1	<10	<1.5	<10	<100	<1	<1	<1	<1	<10
methyl chloride	<1	<10	<1.6	<10	<100	<1	<1	<1	<1	<10
methylene chloride	451	<10	326	<10	<28	11	53	16	161	<10
1,1,2,2-tetrachloroethane	<1	<10	<1.4	<10	<69	<1	<1	<1	<1	<10
tetrachloroethylene	<1	<10	<1.5	<10	<41	<1	<1	<1	<1	<10
toluene	2	<10	15	<10	<60	<1	2	<1	2	<10
1,2-trans-dichloroethylene	<1	<10	750	537	201	<1	<1	<1	<1	<10
1,1,1-trichloroethane	7	<10	<1.2	<10	<38	<1	6	6	4	19
1,1,2-trichloroethane	<1	<10	<1.6	<10	<50	<1	<1	<1	<1	<10
trichloroethylene	1	<10	3	<10	<19	<1	<1	<1	<1	<10
trichlorofluoromethane	<1	<10	<1.2	<10	<100	<1	<1	<1	<1	<10
vinyl chloride	<1	<10	<1.2	258	116	<1	<1	<1	<1	<10
Sub Total 1	462	13	4432	1391	843.5	12	61	33	169	19
Miscellaneous Volatile Organic Compounds										
methyl-iso-butyl ketone	NA	<10	<5	<10	<100	NA	NA	NA	NA	<100
methyl isoamyl ketone	NA	<10	<5	<10	<100	NA	NA	NA	NA	<100
m-xylene	NA	<10	<5	<10	<100	NA	NA	NA	NA	<10
o-xylene/p-xylene	NA	<10	<5	<10	<100	NA	NA	NA	NA	<10
Sub Total 2	NA	0	0	0	0	NA	NA	NA	NA	0
Total VOC's Analyzed	462	13	4432	1391	843.5	12	61	33	169	19

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	GM-8	GM-8	GM-9A	GM-9A	GM-9B	GM-9B	GM-9B	GM-9C	GM-9C	GM-9C
Date:	2/85	11/85	11/83	5/84	9/84**	5/85	11/85	9/84**	5/85	11/85
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
acrolein	<100	<100	<1	<1	NA	<100	<1,000	NA	<100	<100
acrylonitrile	<100	<100	<1	<1	NA	<100	<1,000	NA	<100	<100
benzene	<4.4	<4.4	331	449	276	378.4	<44	35	<4.4	<4.4
bis (chloromethyl) ether	<10	<10	<1	<1	<1.5	<10	<100	<1.5	<10	<10
bromoform	<4.7	<4.7	<1	<1	<3.2	<4.7	<47	<3.2	<4.7	<4.7
carbon tetrachloride	<2.8	<2.8	<1	<1	<1.5	<2.8	<28	<1.5	<2.8	<2.8
chlorobenzene	<6	<6	1,270	701	272	1,780.5	229	216	34.7	99.6
chlorodibromomethane	<3.1	<3.1	<1	<1	<2.0	<3.1	<31	<2.0	<3.1	<3.1
chloroethane	<10	<10	<1	<1	<2.4	<10	<100	<2.4	<10	<10
2-chloroethylvinyl ether	<10	<10	<1	<1	<5.9	<10	<100	<5.9	<10	<10
chloroform	<1.6	<1.6	3	2	<0.8	<1.6	<16	1	<1.6	<1.6
dichlorobromomethane	<2.2	<2.2	<1	<1	<1.1	<2.2	<22	<1.1	<2.2	<2.2
dichlorodifluoromethane	<10	<10	<1	<1	NA	<10	<100	NA	<10	<10
1,1-dichloroethane	<4.7	<4.7	<1	<1	<0.8	<4.7	<47	<0.8	<4.7	<4.7
1,2-dichloroethane	<2.8	<2.8	<1	<1	<1.5	<2.8	<28	<1.5	<2.8	<2.8
1,1-dichloroethylene	<2.8	<2.8	<1	<1	7	<2.8	<28	1	<2.8	<2.8
1,2-dichloropropane	<6	<6	<1	<1	<1.5	<6	<60	<1.5	<6	<6
cis-1,3-dichloropropylene	<5	<5	<1	<1	<1.5	<5	<50	<1.5	<5	<5
trans-1,3-dichloropropylene	<10	<10	<1	<1	<1.5	<10	<100	<1.5	<10	<10
ethylbenzene	<7.2	<7.2	<1	3	<0.4	<7.2	<72	1	<7.2	<7.2
methyl bromide	<10	<10	<1	<1	<1.5	<10	<100	<1.5	<10	<10
methyl chloride	<10	<10	<1	<1	<1.6	<10	<100	<1.6	<10	<10
methylene chloride	<2.8	<2.8	10	22	211	<2.8	584	35	<2.8	53.8
1,1,2,2-tetrachloroethane	<6.9	<6.9	<1	<1	<1.4	<6.9	<69	<1.4	<6.9	<6.9
tetrachloroethylene	<4.1	<4.1	3	2	<1.5	<4.1	<41	<1.5	<4.1	<4.1
toluene	<6	<6	2	2	6	<6	<60	1.5	<6	<6
1,2-trans-dichloroethylene	<1.6	<1.6	<1	<1	<1.5	<1.6	<16	<1.5	<1.6	<1.6
1,1,1-trichloroethane	<3.8	<3.8	3	4	<1.2	<3.8	<38	<1.2	<3.8	<3.8
1,1,2-trichloroethane	<5	<5	<1	<1	<1.6	<5	<50	<1.6	<5	<5
trichloroethylene	<1.9	<1.9	<1	<1	<1.3	<1.9	<19	<1.3	<1.9	<1.9
trichlorofluoromethane	<10	<10	<1	<1	<1.2	<10	<100	<1.2	<10	<10
vinyl chloride	<10	<10	<1	<1	<1.2	<10	<100	<1.2	<10	<10
Sub Total 1	0	0	1622	1185	772	2158.9	813	290.5	34.7	153.4
Miscellaneous Volatile Organic Compounds										
methyl-iso-butyl ketone	<10	<10	NA	NA	<5	<10	<100	<5	<10	<10
methyl isoamyl ketone	<10	<10	NA	NA	<5	<10	<100	<5	<10	<10
m-xylene	<10	<10	NA	NA	<5	<10	<100	<5	<10	<10
o-xylene/p-xylene	<10	<10	NA	NA	<5	<10	<100	<5	<10	<10
Sub Total 2	0	0	NA	NA	0	0	0	0	0	0
Total VOC's Analyzed	0	0	1622	1185	772	2158.9	813	290.5	34.7	153.4

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	GM-10A	GM-10A	GM-10B	GM-10B	GM-10C	GM-10C	GM-11	GM-11	GM-12A	GM-12A
Date:	11/83	5/84	2/85	5/85	2/85	5/85	11/83	5/84	11/83	11/83*
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
acrolein	<1	<1	<100	<100	<100	<100	<1	<1	<1	<1
acrylonitrile	<1	<1	<100	<100	<100	<100	<1	<1	<1	<1
benzene	2	<1	317	143.9	<4.4	<4.4	<1	<1	425	433
bis (chloromethyl) ether	<1	<1	<10	<10	<10	<10	<1	<1	<1	<1
bromoform	<1	<1	<4.7	<4.7	<4.7	<4.7	<1	<1	<1	<1
carbon tetrachloride	<1	<1	<2.8	<2.8	<2.8	<2.8	<1	<1	<1	<1
chlorobenzene	<1	<1	1,540	119	107	29.6	<1	<1	350	296
chlorodibromomethane	<1	<1	<3.1	<3.1	<3.1	<3.1	<1	<1	<1	<1
chloroethane	<1	<1	<10	<10	<10	<10	<1	<1	<1	<1
2-chloroethylvinyl ether	<1	<1	<10	<10	<10	<10	<1	<1	<1	<1
chloroform	<1	<1	<1.6	<1.6	<1.6	<1.6	5	<1	18	21
dichlorobromomethane	<1	<1	<2.2	<2.2	<2.2	<2.2	<1	<1	<1	<1
dichlorodifluoromethane	<1	<1	<10	<10	<10	<10	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<4.7	<4.7	<4.7	<4.7	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<2.8	<2.8	<2.8	<2.8	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<2.8	<2.8	<2.8	<2.8	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<6	<6	<6	<6	<1	<1	<1	<1
cis-1,3-dichloropropylene	<1	<1	<5	<5	<5	<5	<1	<1	<1	<1
trans-1,3-dichloropropylene	<1	<1	<10	<10	<10	<10	<1	<1	<1	<1
ethylbenzene	<1	<1	<7.2	<7.2	<7.2	<7.2	<1	<1	4	4
methyl bromide	<1	<1	<10	<10	<10	<10	<1	<1	<1	<1
methyl chloride	<1	<1	<10	<10	<10	<10	<1	<1	<1	<1
methylene chloride	21	53	<2.8	<2.8	<2.8	<2.8	16	53	49	64
1,1,2,2-tetrachloroethane	<1	<1	<6.9	<6.9	<6.9	<6.9	<1	<1	<1	<1
tetrachloroethylene	<1	<1	<4.1	<4.1	<4.1	<4.1	<1	<1	<1	<1
toluene	<1	2	<6	<6	<6	<6	<1	2	4	4
1,2-trans-dichloroethylene	<1	<1	<1.6	1.9	<1.6	<1.6	<1	<1	<1	<1
1,1,1-trichloroethane	1	<1	<3.8	<3.8	<3.8	<3.8	<1	<1	8	7
1,1,2-trichloroethane	<1	<1	<5	<5	<5	<5	<1	<1	<1	<1
trichloroethylene	<1	<1	<1.9	<1.9	<1.9	<1.9	<1	<1	<1	<1
trichlorofluoromethane	<1	<1	<10	<10	<10	<10	<1	<1	<1	<1
vinyl chloride	<1	<1	<10	<10	<10	<10	<1	<1	<1	<1
Sub Total 1	24	55	1857	264.7	107	29.6	21	55	858	829
Miscellaneous Volatile Organic Compounds										
methyl-iso-butyl ketone	NA	NA	<10	<10	<10	<10	NA	NA	NA	NA
methyl isoamyl ketone	NA	NA	<10	<10	<10	<10	NA	NA	NA	NA
m-xylene	NA	NA	<10	<10	<10	<10	NA	NA	NA	NA
o-xylene/p-xylene	NA	NA	<10	<10	<10	<10	NA	NA	NA	NA
Sub Total 2	NA	NA	0	0	0	0	NA	NA	NA	NA
Total VOC's Analyzed	24	55	1857	264.7	107	29.6	21	55	858	829

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	GM-12A	GM-12A	GM-12A	GM-12A	GM-12A	GM-12A	GM-12A	GM-12A	GM-12A	GM-12A
Date:	5/84	5/84*	11/84	11/84*	2/85	2/85*	5/85	5/85*	11/85	11/85*
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
acrolein	<1	<1	<100	<1000	<100	<100	<100	<100	<1,000	<1,000
acrylonitrile	<1	<1	<100	<1000	<100	<100	<100	<100	<1,000	<1,000
benzene	3,263	4,819	1,790	3,590	1,030	1,160	2,270.3	1,819.1	1,730	1,540
bis (chloromethyl) ether	<1	<1	<10	<100	<10	<10	<10	<10	<100	<100
bromoform	<1	<1	<10	<100	<4.7	<4.7	<4.7	<4.7	<47	<47
carbon tetrachloride	<1	<1	<10	<100	<2.8	<2.8	<2.8	<2.8	<28	<28
chlorobenzene	304	399	286	565	349.3	399.3	453.4	471.9	428	403
chlorodibromomethane	<1	<1	<10	<100	<3.1	<3.1	<3.1	<3.1	<31	<31
chloroethane	<1	<1	<10	<100	<10	<10	<10	<10	<100	<100
2-chloroethylvinyl ether	<1	<1	<10	<100	<10	<10	<10	<10	<100	<100
chloroform	<1	<1	<10	<100	<1.6	<1.6	<1.6	<1.6	<16	<16
dichlorobromomethane	<1	<1	<10	<100	<2.2	<2.2	<2.2	<2.2	<22	<22
dichlorodifluoromethane	<1	<1	<10	<100	<10	<10	<10	<10	<100	<100
1,1-dichloroethane	<1	<1	<10	<100	<4.7	<4.7	<4.7	<4.7	<47	<47
1,2-dichloroethane	<1	<1	<10	<100	<2.8	<2.8	<2.8	<2.8	<28	<28
1,1-dichloroethylene	<1	<1	<10	<100	<2.8	<2.8	<2.8	<2.8	<28	<28
1,2-dichloropropane	<1	<1	<10	<100	<6	<6	<6	<6	<60	<60
cis-1,3-dichloropropylene	<1	<1	<10	<100	<5	<5	<5	<5	<50	<50
trans-1,3-dichloropropylene	<1	<1	<10	<100	<10	<10	<10	<10	<100	<100
ethylbenzene	17	17	17	<100	20.2	22	13.9	14.6	<72	<72
methyl bromide	<1	<1	<10	<100	<10	<10	<10	<10	<100	<100
methyl chloride	<1	<1	<10	<100	<10	<10	<10	<10	<100	<100
methylene chloride	23	31	<10	<100	<2.8	<2.8	<2.8	<2.8	599	443
1,1,2,2-tetrachloroethane	<1	<1	<10	<100	<6.9	<6.9	<6.9	<6.9	<69	<69
tetrachloroethylene	<1	<1	<10	<100	<4.1	<4.1	<4.1	<4.1	<41	<41
toluene	17	22	26	<100	31.2	29	12.2	12.3	<60	<60
1,2-trans-dichloroethylene	<1	<1	<10	<100	<1.6	<1.6	<1.6	<1.6	<16	<16
1,1,1-trichloroethane	<1	<1	<10	<100	<3.8	<3.8	<3.8	<3.8	<38	<38
1,1,2-trichloroethane	<1	<1	<10	<100	<5	<5	<5	<5	<50	<50
trichloroethylene	<1	<1	<10	<100	<1.9	<1.9	<1.9	<1.9	<19	<19
trichlorofluoromethane	<1	<1	<10	<100	<10	<10	<10	<10	<100	<100
vinyl chloride	<1	<1	<10	<100	<10	<10	<10	<10	<100	<100
Sub Total 1	3624	5288	2119	4155	1430.7	1610.3	2749.8	2317.9	2757	2386
Miscellaneous Volatile Organic Compounds										
methyl-iso-butyl ketone	NA	NA	<10	<100	<10	<10	<10	<10	<100	<100
methyl isoamyl ketone	NA	NA	<10	<100	<10	<10	<10	<10	<100	<100
m-xylene	NA	NA	17	<100	17.1	18.5	11	12.6	<100	<100
o-xylene/p-xylene	NA	NA	49	<100	55.3	59.5	43	49.7	<100	<100
Sub Total 2	NA	NA	66	0	72.4	78	54	62.3	0	0
Total VOC's Analyzed	3624	5288	2185	4155	1503.1	1688.3	2803.8	2380.2	2757	2386

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	GM-12A	GM-12A	GM-12B	GM-12B	GM-12B	GM-12C	GM-12C	GM-12C	GM-12C	GM-13
Date:	2/86	2/86*	9/84**	11/84	11/85	2/85	2/85*	5/85	5/85*	9/84**
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
acrolein	<100	<100	NA	<1,000	<1,000	<100	<100	<100	<100	NA
acrylonitrile	<100	<100	NA	<1,000	<1,000	<100	<100	<100	<100	NA
benzene	1,170	1,160	700	2,090	2,100	66.7	54.7	27.4	26	1,400
bis (chloromethyl) ether	<10	<10	<150	<100	<100	<10	<10	<10	<10	<300
bromoform	<4.7	<4.7	<320	<100	<47	<4.7	<4.7	<4.7	<4.7	<640
carbon tetrachloride	<2.8	<2.8	<150	<100	<28	<2.8	<2.8	<2.8	<2.8	<300
chlorobenzene	499	394	<60	<100	<60	<6	10.4	<6	<6	850
chlorodibromomethane	<3.1	<3.1	<200	<100	<31	<3.1	<3.1	<3.1	<3.1	<400
chloroethane	<10	<10	<240	<100	<100	<10	<10	<10	<10	<480
2-chloroethylvinyl ether	<10	<10	<590	<100	<100	<10	<10	<10	<10	<1,180
chloroform	<1.6	<1.6	<80	<100	<16	<1.6	<1.6	<1.6	<1.6	<160
dichlorobromomethane	<2.2	<2.2	<110	<100	<22	<2.2	<2.2	<2.2	<2.2	<220
dichlorodifluoromethane	<10	<10	NA	<100	<100	<10	<10	<10	<10	NA
1,1-dichloroethane	<4.7	<4.7	<80	<100	<47	<4.7	<4.7	<4.7	<4.7	<160
1,2-dichloroethane	<2.8	<2.8	<150	<100	<28	<2.8	<2.8	<2.8	<2.8	<300
1,1-dichloroethylene	<2.8	<2.8	<190	<100	<28	<2.8	<2.8	<2.8	<2.8	<380
1,2-dichloropropane	<6	<6	<150	<100	<60	<6	<6	<6	<6	<300
cis-1,3-dichloropropylene	<5	<5	<150	<100	<50	<5	<5	<5	<5	<300
trans-1,3-dichloropropylene	<10	<10	<150	<100	<100	<10	<10	<10	<10	<300
ethylbenzene	11.3	7.9	230	<100	<72	40	37.4	<7.2	<7.2	25,000
methyl bromide	<10	<10	<150	<100	<100	<10	<10	<10	<10	<300
methyl chloride	<10	<10	<160	<100	<100	<10	<10	<10	<10	<320
methylene chloride	<2.8	6.5	200	<100	410	<2.8	<2.8	<2.8	<2.8	360
1,1,2,2-tetrachloroethane	<6.9	<6.9	<140	<100	<69	<6.9	<6.9	<6.9	<6.9	<280
tetrachloroethylene	<4.1	<4.1	<150	<100	<41	<4.1	<4.1	<4.1	<4.1	<300
toluene	<6	<6	100	112	63.3	125	113	16.2	14.4	1,200
1,2-trans-dichloroethylene	<1.6	<1.6	<150	<100	<16	<1.6	<1.6	<1.6	<1.6	<300
1,1,1-trichloroethane	<3.8	<3.8	<120	<100	<38	<3.8	<3.8	<3.8	<3.8	<240
1,1,2-trichloroethane	<5	<5	<160	<100	<50	<5	<5	<5	<5	<320
trichloroethylene	<1.9	<1.9	<130	<100	<19	<1.9	<1.9	<1.9	<1.9	<260
trichlorofluoromethane	<10	<10	<120	<100	<100	<10	<10	<10	<10	<240
vinyl chloride	<10	<10	<120	<100	<100	<10	<10	<10	<10	<240
Sub Total 1	1680.3	1568.4	1230	2202	2573.3	231.7	215.5	43.6	40.4	28810
Miscellaneous Volatile Organic Compounds										
methyl-iso-butyl ketone	<10	<10	<500	<100	<100	<10	<10	<10	<10	<1,000
methyl isoamyl ketone	<10	<10	<500	<100	<100	<10	<10	<10	<10	<1,000
m-xylene	<10	<10	<500	<100	<100	75.8	70.9	19	<10	<1,000
o-xylene/p-xylene	20	16.9	<500	<100	<100	74	68.2	21.9	17.3	<1,000
Sub Total 2	20	16.9	0	0	0	149.8	139.1	40.9	17.3	0
Total VOC's Analyzed	1700.3	1585.3	1230	2202	2573.3	381.5	354.6	84.5	57.7	28810

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	GM-13	GM-13	GM-14	GM-15	GM-16A	GM-16A	GM-16A	GM-16B	GM-16B	GM-16B
Date:	11/85	2/86	9/84**	9/84**	9/84**	5/85	11/85	9/84**	5/85	11/85
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
acrolein	<2,000	<5,000	NA	NA	NA	<100	<100	NA	<100	<100
acrylonitrile	<2,000	<5,000	NA	NA	NA	<100	<100	NA	<100	<100
benzene	1,180	925	1,400	8	<0.5	<4.4	<4.4	<0.5	<4.4	<4.4
bis (chloromethyl) ether	<200	<500	<300	<1.5	<1.5	<10	<10	<1.5	<10	<10
bromoform	<94	<240	<640	<3.2	<3.2	<4.7	<4.7	<3.2	<4.7	<4.7
carbon tetrachloride	<56	<140	<300	<1.5	<1.5	<2.8	<2.8	<1.5	4.5	<2.8
chlorobenzene	3,900	18,600	152,000	103	<0.6	<6	<6	2	<6	<6
chlorodibromomethane	<62	<160	<400	<2.0	<2.0	<3.1	<3.1	<2.0	<3.1	<3.1
chloroethane	<200	<500	<480	<2.4	<2.4	<10	<10	<2.4	<10	<10
2-chloroethylvinyl ether	<200	<500	<1,180	<5.9	<5.9	<10	<10	<5.9	<10	<10
chloroform	<32	<80	<160	<0.8	2	<1.6	<1.6	58	<1.6	<1.6
dichlorobromomethane	<44	<110	<220	<1.1	<1.1	<2.2	<2.2	<1.1	<2.2	<2.2
dichlorodifluoromethane	<200	<500	NA	NA	NA	<10	<10	NA	<10	<10
1,1-dichloroethane	<94	<240	<160	<0.8	<0.8	<4.7	<4.7	<0.8	<4.7	<4.7
1,2-dichloroethane	<56	<140	<300	<1.5	<1.5	<2.8	<2.8	<1.5	<2.8	<2.8
1,1-dichloroethylene	<56	<140	<380	<1.9	<1.9	<2.8	<2.8	<1.9	<2.8	<2.8
1,2-dichloropropane	<120	<300	<300	<1.5	<1.5	<6	<6	<1.5	<6	<6
cis-1,3-dichloropropylene	<100	<250	<300	<1.5	<1.5	<5	<5	<1.5	<5	<5
trans-1,3-dichloropropylene	<200	<500	<300	<1.5	<1.5	<10	<10	<1.5	<10	<10
ethylbenzene	20,000	18,900	480	9	<0.4	<7.2	<7.2	<0.4	<7.2	<7.2
methyl bromide	<200	<500	<300	<1.5	<1.5	<10	<10	<1.5	<10	<10
methyl chloride	<200	<500	<320	<1.6	<1.6	<10	<10	<1.6	<10	<10
methylene chloride	1,310	<140	800	24	10	5.4	<2.8	5	<2.8	<2.8
1,1,2,2-tetrachloroethane	<140	<350	<280	<1.4	<1.4	<6.9	<6.9	<1.4	<6.9	<6.9
tetrachloroethylene	<82	<210	<300	<1.5	<1.5	<4.1	<4.1	<1.5	<4.1	<4.1
toluene	1,120	845	204	9	2	<6	<6	<0.4	<6	<6
1,2-trans-dichloroethylene	<32	<80	<300	<1.5	<1.5	<1.6	<1.6	<1.5	<1.6	<1.6
1,1,1-trichloroethane	<76	<190	<240	<1.2	<1.2	<3.8	<3.8	<1.2	<3.8	<3.8
1,1,2-trichloroethane	<100	<250	<320	<1.6	<1.6	<5	<5	<1.6	<5	<5
trichloroethylene	<38	<95	<260	<1.3	<1.3	<1.9	<1.9	<1.3	<1.9	<1.9
trichlorofluoromethane	<200	<500	<240	<1.2	<1.2	<10	<10	<1.2	<10	<10
vinyl chloride	<200	<500	<240	<1.2	<1.2	<10	<10	<1.2	<10	<10
Sub Total 1	27510	39270	154884	153	14	5.4	0	65	4.5	0
Miscellaneous Volatile Organic Compounds										
methyl-iso-butyl ketone	<200	7,470	<1,000	<5	<5	<10	<10	<5	<10	<10
methyl isoamyl ketone	<200	5,130	<1,000	<5	<5	<10	<10	<5	<10	<10
m-xylene	50,900	39,100	<1,000	<5	a)	<10	<10	a)	<10	<10
o-xylene/p-xylene	35,800	30,400	<1,000	<5	a)	<10	<10	a)	<10	<10
Sub Total 2	86700	82100	0	0	0	0	0	0	0	0
Total VOC's Analyzed	114210	121370	154884	153	14	5.4	0	65	4.5	0

able E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	GM-17A	GM-17A	GM-17A	GM-17B	GM-17B	GM-17B	GM-17C	GM-17C	GM-17C	GM-18A
Date:	9/84**	11/84	11/85	9/84**	11/84	11/85	9/84**	11/84	11/85	9/84**
EPA Priority Pollutant Volatile Organic Compounds oncentrations are in ug/L										
acrolein	NA	<10,000	<10,000	NA	<10,000	<100	NA	<100	<1,000	NA
acrylonitrile	NA	<10,000	<10,000	NA	<10,000	<100	NA	<100	<1,000	NA
enzene	NA	41,900	51,900	26,000	69,200	47,400	4,940	1,880	552	34
is (chloromethyl) ether	<1.5	<1,000	<1,000	<300	<1,000	<10	<300	<10	<100	<1.5
bromoform	<3.2	<1,000	<470	<640	<1,000	<4.7	<640	<10	<47	<3.2
arbon tetrachloride	<1.5	<1,000	<280	<300	<1,000	<2.8	<300	<10	<28	<1.5
hlorobenzene	NA	57,500	56,500	5,300	17,600	376	13,900	9,510	3,500	<0.6
chlorodibromomethane	<2.0	<1,000	<310	<400	<1,000	<3.1	<400	<10	<31	<2.0
hloroethane	<2.4	<1,000	<1,000	<480	<1,000	<10	<480	<10	<100	<2.5
-chloroethylvinyl ether	<5.9	<1,000	<1,000	<1,180	<1,000	<10	<1,180	<10	<100	<5.9
chloroform	<0.8	<1,000	<160	<160	<1,000	<1.6	<160	<10	<16	2
dichlorobromomethane	<1.1	<1,000	<220	<220	<1,000	<2.2	<220	<10	<22	<1.1
ichlorodifluoromethane	NA	<1,000	<1,000	NA	<1,000	<10	NA	<10	<100	NA
,1-dichloroethane	<0.8	<1,000	<470	170	<1,000	<4.7	<160	<10	<47	<0.8
1,2-dichloroethane	<1.5	<1,000	<280	<300	<1,000	<2.8	<300	<10	<28	<1.5
,1-dichloroethylene	<1.9	<1,000	<280	<380	<1,000	<2.8	205	<10	<28	1
1,2-dichloropropane	<1.5	<1,000	<600	<300	<1,000	<6	<300	<10	<60	<1.5
cis-1,3-dichloropropylene	<1.5	<1,000	<500	<300	<1,000	<5	<300	<10	<50	<1.5
trans-1,3-dichloropropylene	<1.5	<1,000	<1,000	<300	<1,000	<10	<300	<10	<100	<1.5
ethylbenzene	<0.4	<1,000	<720	250	<1,000	11	<80	<10	<72	<0.4
methyl bromide	<1.5	<1,000	<1,000	120	<1,000	<10	<300	<10	<100	<1.5
methyl chloride	<1.6	<1,000	<1,000	120	<1,000	<10	<320	<10	<100	<1.6
methylene chloride	3	3,060	<280	540	3,740	<2.8	7,140	<10	<28	39
1,1,2,2-tetrachloroethane	<1.4	<1,000	<690	<280	<1,000	<6.9	<280	<10	<69	<1.4
tetrachloroethylene	<1.5	<1,000	<410	<300	<1,000	<4.1	<300	<10	<41	<1.5
toluene	6	<1,000	<600	220	<1,000	9.1	194	<10	<60	<0.4
1,2-trans-dichloroethylene	<1.5	<1,000	<160	<300	<1,000	<1.6	<300	<10	<16	<1.5
1,1,1-trichloroethane	<1.2	<1,000	<380	<240	<1,000	<3.8	<240	<10	<38	<1.2
1,1,2-trichloroethane	<1.6	<1,000	<500	<320	<1,000	<5	<320	<10	<50	<1.6
trichloroethylene	<1.3	<1,000	<190	<260	<1,000	<1.9	<260	<10	<19	<1.3
trichlorofluoromethane	<1.2	<1,000	<1,000	<240	<1,000	<10	<240	<10	<100	<1.2
vinyl chloride	<1.2	<1,000	<1,000	130	<1,000	<10	<240	<10	<100	<1.2
Sub Total 1	9	102460	108400	32850	90540	47796.1	26379	11390	4052	76
Miscellaneous Volatile Organic Compounds										
methyl-iso-butyl ketone	<5	<10,000	<1,000	<1,000	<10,000	<10	<1,000	<100	<100	<5
methyl isoamyl ketone	<5	<10,000	<1,000	<1,000	<10,000	<10	<1,000	<100	<100	<5
m-xylene	<5	<1,000	<1,000	<1,000	<1,000	<10	<1,000	<10	<100	<5
o-xylene/p-xylene	<5	<1,000	<1,000	<1,000	<1,000	<10	<1,000	<10	<100	<5
Sub Total 2	0	0	0	0	0	0	0	0	0	0
Total VOC's Analyzed	9	102460	108400	32850	90540	47796.1	26379	11390	4052	76

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	GM-18A	GM-18A	GM-18B	GM-18B	GM-18B	GM-25A	GM-25A	GM-25B**	GM-25B	GM-25B
Date:	5/85	11/85	9/84**	5/85	11/85	9/84	11/84	9/84	11/84	11/85
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
acrolein	<100	<100	NA	<100	<100	NA	<100	NA	<100	<100
acrylonitrile	<100	<100	NA	<100	<100	NA	<100	NA	<100	<100
benzene	<4.4	<4.4	35	63.3	24.1	1	<10	<0.5	<10	<4.4
bis (chloromethyl) ether	<10	<10	<1.5	<10	<10	<1.5	<10	<1.5	<10	<10
bromoform	<4.7	<4.7	<3.2	<4.7	<4.7	<3.2	<10	<3.2	<10	<4.7
carbon tetrachloride	<2.8	<2.8	<1.5	<2.8	<2.8	<1.5	<10	<1.5	<10	<2.8
chlorobenzene	<6	<6	100	285.1	174	14	<10	<0.6	<10	<6
chlorodibromomethane	<3.1	<3.1	<2.0	<3.1	<3.1	<2.0	<10	<2.0	<10	<3.1
chloroethane	<10	<10	22	<10	<10	<2.4	<10	<2.4	<10	<10
2-chloroethylvinyl ether	<10	<10	<5.9	<10	<10	<5.9	<10	<5.9	<10	<10
chloroform	<1.6	<1.6	<0.8	<1.6	<1.6	3	<10	3	<10	<1.6
dichlorobromomethane	<2.2	<2.2	<1.1	<2.2	<2.2	<1.1	<10	<1.1	<10	<2.2
dichlorodifluoromethane	<10	<10	NA	<10	<10	NA	<10	NA	<10	<10
1,1-dichloroethane	<4.7	<4.7	<0.8	<4.7	<4.7	<0.8	<10	<0.8	<10	<4.7
1,2-dichloroethane	<2.8	<2.8	<1.5	<2.8	<2.8	<1.5	<10	<1.5	<10	<2.8
1,1-dichloroethylene	<2.8	<2.8	1	<2.8	<2.8	<1.9	<10	<1.9	<10	<2.8
1,2-dichloropropane	<6	<6	<1.5	<6	<6	<1.5	<10	<1.5	<10	<6
cis-1,3-dichloropropylene	<5	<5	<1.5	<5	<5	<1.5	<10	<1.5	<10	<5
trans-1,3-dichloropropylene	<10	<10	<1.5	<10	<10	<1.5	<10	<1.5	<10	<10
ethylbenzene	<7.2	<7.2	<0.4	<7.2	<7.2	<0.4	<10	<0.4	<10	<7.2
methyl bromide	<10	<10	<1.5	<10	<10	<1.5	<10	<1.5	<10	<10
methyl chloride	<10	<10	<1.6	<10	<10	<1.6	<10	<1.6	<10	<10
methylene chloride	<2.8	<2.8	37	<2.8	<2.8	5	<10	2	<10	<2.8
1,1,2,2-tetrachloroethane	<6.9	<6.9	<1.4	<6.9	<6.9	<1.4	<10	<1.4	<10	<6.9
tetrachloroethylene	<4.1	<4.1	<1.5	<4.1	<4.1	<1.5	<10	<1.5	<10	<4.1
toluene	<6	<6	1	<6	<6	1	<10	<0.4	<10	<6
1,2-trans-dichloroethylene	<1.6	<1.6	1	1.7	<1.6	<1.5	<10	<1.5	<10	<1.6
1,1,1-trichloroethane	<3.8	<3.8	<1.2	<3.8	<3.8	<1.2	<10	<1.2	<10	<3.8
1,1,2-trichloroethane	<5	<5	<1.6	<5	<5	<1.6	<10	<1.6	<10	<5
trichloroethylene	<1.9	<1.9	<1.3	<1.9	<1.9	<1.3	<10	<1.3	<10	<1.9
trichlorofluoromethane	<10	<10	<1.2	<10	<10	<1.2	<10	<1.2	<10	<10
vinyl chloride	<10	<10	<1.2	34.3	31.4	<1.2	<10	<1.2	<10	<10
Sub Total 1	0	0	197	384.4	229.5	24	0	5	0	0
Miscellaneous Volatile Organic Compounds										
methyl-iso-butyl ketone	<10	<10	<5	<10	<10	<5	<100	<5	<10	<10
methyl isoamyl ketone	<10	<10	<5	<10	<10	<5	<100	<5	<10	<10
m-xylene	<10	<10	<5	<10	<10	<5	<10	b)	<10	<10
o-xylene/p-xylene	<10	<10	<5	<10	<10	<5	<10	b)	<10	<10
Sub Total 2	0	0	0	0	0	0	0	0	0	0
Total VOC's Analyzed	0	0	197	384.4	229.5	24	0	5	0	0

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	GM-27B	GM-27B	GM-27B	GM-27C	GM-27C	GM-27C	GM-28B	GM-28B	GM-28B	GM-28C
Date:	9/84**	11/85	2/86	9/84**	11/85	2/86	9/84**	11/85	2/86	9/84**
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
acrolein	NA	<100	<100	NA	<1,000	<1,000	NA	<5,000	<1,000	NA
acrylonitrile	NA	<100	<100	NA	<1,000	<1,000	NA	<5,000	<1,000	NA
benzene	36	35.6	619	160	554	765	410	934	644	1,000
bis (chloromethyl) ether	<1.5	<10	<10	<1.5	<100	<100	<1.5	<500	<100	<1.5
bromoform	<3.2	<4.7	<4.7	<3.2	<47	<47	<3.2	<240	<47	<3.2
carbon tetrachloride	<1.5	<2.8	<2.8	<1.5	<28	<28	<1.5	<140	<28	<1.5
chlorobenzene	80	143	459	275	1,220	1,950	2,804	6,120	6,130	3,800
chlorodibromomethane	<2.0	<3.1	<3.1	<2.0	<31	<31	<2.0	<160	<31	<2.0
chloroethane	<2.4	<10	<10	<2.4	<100	<100	<2.4	<500	<100	<2.4
2-chloroethylvinyl ether	<5.9	<10	<10	<5.9	<100	<100	<5.9	<500	<100	<5.9
chloroform	<0.8	<1.6	<1.6	<0.8	<16	<16	<0.8	<80	<16	<0.8
dichlorobromomethane	<1.1	<2.2	<2.2	<1.1	<22	<22	<1.1	<110	<22	<1.1
dichlorodifluoromethane	NA	<10	<10	NA	<100	<100	NA	<500	<100	NA
1,1-dichloroethane	<0.8	<4.7	<4.7	<0.8	<47	<47	<0.8	<240	<47	<0.8
1,2-dichloroethane	<1.5	<2.8	<2.8	<1.5	<28	<28	<1.5	<140	<28	<1.5
1,1-dichloroethylene	<1.9	<2.8	<2.8	1	<28	<28	1	<140	<28	2
1,2-dichloropropane	<1.5	<6	<6	<1.5	<60	<60	<1.5	<300	<60	<1.5
cis-1,3-dichloropropylene	<1.5	<5	<5	<1.5	<50	<50	<1.5	<250	<50	<1.5
trans-1,3-dichloropropylene	<1.5	<10	<10	<1.5	<100	<100	<1.5	<500	<100	<1.5
ethylbenzene	6	<7.2	<7.2	1	<72	<72	12	<360	<72	18
methyl bromide	<1.5	<10	<10	<1.5	<100	<100	<1.5	<500	<100	<1.5
methyl chloride	<1.6	<10	<10	<1.6	<100	<100	<1.6	<500	<100	<1.6
methylene chloride	40	<2.8	13	38	<28	<28	71	<140	<28	45
1,1,2,2-tetrachloroethane	<1.4	<6.9	<6.9	<1.4	<69	<69	<1.4	<350	<69	<1.4
tetrachloroethylene	<1.5	<4.1	<4.1	<1.5	<41	<41	<1.5	<210	<41	<1.5
toluene	4	<6	6	2	<60	<60	18	<300	<60	35
1,2-trans-dichloroethylene	<1.5	<1.6	<1.6	<1.5	<16	<16	<1.5	<80	<16	2
1,1,1-trichloroethane	<1.2	<3.8	<3.8	<1.2	<38	<38	<1.2	<190	<38	<1.2
1,1,2-trichloroethane	<1.6	<5	<5	<1.6	<50	<50	<1.6	<250	<50	<1.6
trichloroethylene	<1.3	<1.9	<1.9	<1.3	<19	<19	<1.3	<95	<19	<1.3
trichlorofluoromethane	<1.2	<10	<10	<1.2	<100	<100	<1.2	<500	<100	<1.2
vinyl chloride	<1.2	<10	<10	<1.2	<100	<100	<1.2	<500	<100	<1.2
Sub Total 1	166	178.6	1097	477	1774	2715	3316	7054	6774	4902
Miscellaneous Volatile Organic Compounds										
methyl-iso-butyl ketone	<5	<10	<10	<5	<100	<100	2	<500	<100	<5
methyl isoamyl ketone	<5	<10	<10	<5	<100	<100	<5	<500	<100	<5
m-xylene	b)	<10	<10	b)	<100	<100	c)	<500	<100	c)
o-xylene/p-xylene	b)	<10	<10	b)	<100	<100	c)	<500	<100	c)
Sub Total 2	0	0	0	0	0	0	2	0	0	0
Total VOC's Analyzed	166	178.6	1097	477	1774	2715	3318	7054	6774	4902

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	GM-28C	GM-28C	GM-29	GM-29	GM-30	GM-30	GM-30	GM-31A	GM-31A	GM-31A
Date:	11/85	2/86	9/84**	11/85	9/84**	11/85	2/86	2/85	5/85	11/85
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
acrolein	<5,000	<1,000	NA	<100	NA	<100	<100	<100	<100	<100
acrylonitrile	<5,000	<1,000	NA	<100	NA	<100	<100	<100	<100	<100
benzene	516	470	<0.5	<4.4	735	<4.4	<4.4	20.9	461.8	36
bis (chloromethyl) ether	<500	<100	<1.5	<10	<1.5	<10	<10	<10	<10	<10
bromoform	<240	<47	<3.2	<4.7	<3.2	<4.7	<4.7	<4.7	<4.7	<4.7
carbon tetrachloride	<140	<28	<1.5	<2.8	<1.5	<2.8	<2.8	<2.8	<2.8	<2.8
chlorobenzene	5,130	4,890	<0.6	<6	<0.6	<6	7.14	8.4	6.4	15.1
chlorodibromomethane	<160	<31	<2.0	<3.1	<2.0	<3.1	<3.1	<3.1	<3.1	<3.1
chloroethane	<500	<100	<2.4	<10	<2.4	<10	<10	<10	<10	<10
2-chloroethylvinyl ether	<500	<100	<5.9	<10	<5.9	<10	<10	<10	<10	<10
chloroform	<80	<16	2	<1.6	12	11.2	9.24	<1.6	<1.6	<1.6
dichlorobromomethane	<110	<22	<1.1	<2.2	<1.1	<2.2	<2.2	<2.2	<2.2	<2.2
dichlorodifluoromethane	<500	<100	NA	<10	NA	<10	<10	<10	<10	<10
1,1-dichloroethane	<240	<47	<0.8	<4.7	<0.8	<4.7	<4.7	<4.7	<4.7	<4.7
1,2-dichloroethane	<140	<28	<1.5	<2.8	<1.5	<2.8	<2.8	<2.8	<2.8	<2.8
1,1-dichloroethylene	<140	<28	<1.9	<2.8	<1.9	<2.8	<2.8	<2.8	<2.8	<2.8
1,2-dichloropropane	<300	<60	<1.5	<6	<1.5	<6	<6	<6	<6	<6
cis-1,3-dichloropropylene	<250	<50	<1.5	<5	<1.5	<5	<5	<5	<5	<5
trans-1,3-dichloropropylene	<500	<100	<1.5	<10	<1.5	<10	<10	<10	<10	<10
ethylbenzene	<360	<72	<0.4	<7.2	<0.4	<7.2	<7.2	<7.2	<7.2	<7.2
methyl bromide	<500	<100	<1.5	<10	<1.5	<10	<10	<10	<10	<10
methyl chloride	<500	<100	8	<10	<1.6	<10	<10	<10	<10	<10
methylene chloride	178	<28	<1.1	<2.8	185	<2.8	<2.8	<2.8	<2.8	5.3
1,1,2,2-tetrachloroethane	<350	<69	<1.4	<6.9	<1.4	<6.9	<6.9	<6.9	<6.9	<6.9
tetrachloroethylene	<210	<41	<1.5	<4.1	<1.5	4.31	<4.1	<4.1	<4.1	<4.1
toluene	<300	<60	<0.4	<6	<0.4	<6	<6	<6	<6	<6
1,2-trans-dichloroethylene	<80	<16	<1.5	<1.6	<1.5	<1.6	<1.6	<1.6	<1.6	<1.6
1,1,1-trichloroethane	<190	<38	<1.2	<3.8	<1.2	<3.8	<3.8	<3.8	<3.8	<3.8
1,1,2-trichloroethane	<250	<50	<1.6	<5	<1.6	<5	<5	<5	<5	<5
trichloroethylene	<95	<19	2	<1.9	<1.3	3.99	<1.9	<1.9	<1.9	<1.9
trichlorofluoroethane	<500	<100	<1.2	<10	<1.2	<10	<10	<10	<10	<10
vinyl chloride	<500	<100	<1.2	<10	<1.2	<10	<10	<10	<10	<10
Sub Total 1	5824	5360	12	0	932	19.5	16.38	29.3	468.2	56.4
Miscellaneous Volatile Organic Compounds										
methyl-iso-butyl ketone	<500	<100	<5	<10	<5	18	<10	<10	<10	<10
methyl isoamyl ketone	<500	<100	<5	<10	<5	14.6	<10	<10	<10	<10
m-xylene	<500	<100	<5	<10	c)	<10	<10	<10	<10	<10
o-xylene/p-xylene	<500	<100	<5	<10	c)	<10	<10	<10	<10	<10
Sub Total 2	0	0	0	0	0	32.6	0	0	0	0
Total VOC's Analyzed	5824	5360	12	0	932	52.1	16.38	29.3	468.2	56.4

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	GM-31A	GM-31B	GM-31B	GM-31B	GM-31B	GM-31C	GM-31C	GM-31C	GM-31C	B-24A
Date:	11/85*	2/85	5/85	11/85	11/85*	2/85	5/85	11/85	11/85*	2/86
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
acrolein	<100	<100	<100	<100	<100	<100	<100	<100	<100	<10,000
acrylonitrile	<100	<100	<100	<100	<100	<100	<100	<100	<100	<10,000
benzene	36.5	<4.4	15	<4.4	<4.4	79.4	75.2	25.9	27.1	2,360
bis(chloromethyl) ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
bromoform	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<470
carbon tetrachloride	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<280
chlorobenzene	12.5	8.2	132.6	<6	<6	437	487.6	495	511	6,180
chlorodibromomethane	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<310
chloroethane	<10	<10	<10	<10	<10	20.6	<10	<10	<10	<1,000
2-chloroethylvinyl ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
chloroform	<1.6	<1.6	<1.6	<1.6	<1.6	12.9	<1.6	<1.6	<1.6	<160
dichlorobromomethane	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<220
dichlorodifluoromethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
1,1-dichloroethane	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<470
1,2-dichloroethane	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	2,100
1,1-dichloroethylene	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<280
1,2-dichloropropane	<6	<6	<6	<6	<6	<6	<6	<6	<6	<600
cis-1,3-dichloropropylene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<500
trans-1,3-dichloropropylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
ethylbenzene	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<720
methyl bromide	<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
methyl chloride	<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
methylene chloride	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	1,160
1,1,2,2-tetrachloroethane	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<690
tetrachloroethylene	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	4.2	<4.1	<4.1	<410
toluene	<6	<6	<6	<6	<6	<6	<6	<6	<6	1,140
1,2-trans-dichloroethylene	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	2.7	<1.6	<1.6	<160
1,1,1-trichloroethane	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<380
1,1,2-trichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<500
trichloroethylene	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<190
trichlorofluoromethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
vinyl chloride	<10	<10	<10	<10	<10	32.2	47.2	42.6	45.2	<1,000
Sub Total 1	49	8.2	147.6	0	0	582.1	616.9	563.5	583.3	12940
Miscellaneous Volatile Organic Compounds										
methyl-iso-butyl ketone	<10	<10	<10	<10	<10	<10	<10	<10	<10	3,170
methyl isoamyl ketone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
m-xylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
o-xylene/p-xylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
Sub Total 2	0	0	0	0	0	0	0	0	0	3170
Total VOC's Analyzed	49	8.2	147.6	0	0	582.1	616.9	563.5	583.3	16110

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	B-25A	B-25A	B-25B	B-25B	B-27B	B-27B	B-28A	B-29A	B-29A	B-29B
Date:	6/84	11/85	6/84	11/85	9/84**	9/84*	2/86	6/84	11/85	6/84
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
acrolein	<1	<10,000	<1	<10,000	NA	NA	<1,000	<1	<1,000	<1
acrylonitrile	<1	<10,000	<1	<10,000	NA	NA	<1,000	<1	<1,000	<1
benzene	<1	<440	51	<440	3,420	7,058	<44	18	<44	20
bis (chloromethyl) ether	<1	<1,000	<1	<1,000	<1.5	<300	<100	<1	<100	<1
bromoform	<1	<470	<1	<470	<3.2	<640	<47	<1	<47	<1
carbon tetrachloride	<1	<280	<1	<280	<1.5	<300	<28	<1	<28	<1
chlorobenzene	8,520	18,900	9,930	13,100	4,160	5,320	1,510	1,970	1,280	769
chlorodibromomethane	<1	<310	<1	<310	<2.0	<400	<31	<1	<31	<1
chloroethane	309	<1,000	42	<1,000	<2.4	<480	<100	<1	<100	<1
2-chloroethylvinyl ether	<1	<1,000	<1	<1,000	<5.9	<1,180	<100	<1	<100	<1
chloroform	77	<160	9	<160	<0.8	<160	<16	18	28.9	39
dichlorobromomethane	<1	<220	<1	<220	<1.1	<220	<22	<1	<22	<1
dichlorodifluoromethane	<1	<1,000	<1	<1,000	NA	NA	<100	<1	<100	<1
1,1-dichloroethane	<1	<470	<1	<470	<0.8	<160	<47	<1	<47	<1
1,2-dichloroethane	10,000	18,500	1,430	3,510	<1.5	<300	<28	<1	<28	<1
1,1-dichloroethylene	<1	<280	<1	<280	<1.9	<260	<28	<1	<28	<1
1,2-dichloropropane	<1	<600	<1	<600	<1.5	<300	<60	<1	<60	<1
cis-1,3-dichloropropylene	<1	<500	<1	<500	<1.5	<300	<50	<1	<50	<1
trans-1,3-dichloropropylene	<1	<1,000	<1	<1,000	<1.5	<300	<100	<1	<100	<1
ethylbenzene	11	<720	4	<720	<0.4	<80	<72	14	<72	33
methyl bromide	<1	<1,000	<1	<1,000	<1.5	<300	<100	<1	<100	<1
methyl chloride	30	<1,000	29	<1,000	<1.6	<320	<100	<1	<100	<1
methylene chloride	204	<280	<1	<280	1,740	8,100	<28	50	<28	19
1,1,2,2-tetrachloroethane	<1	<690	<1	<690	<1.4	<280	<69	<1	<69	<1
tetrachloroethylene	19	<410	15	<410	<1.5	<300	<41	<1	<41	<1
toluene	316	736	269	<600	16,200	18,500	<60	195	532	225
1,2-trans-dichloroethylene	<1	<160	2	<160	<1.5	<300	<16	<1	<16	<1
1,1,1-trichloroethane	<1	<380	<1	<380	<1.2	<240	<38	<1	<38	<1
1,1,2-trichloroethane	<1	<500	<1	<500	<1.6	<320	<50	<1	<50	<1
trichloroethylene	7	<190	4	<190	<1.3	<260	<19	2	40.2	<1
trichlorofluoromethane	<1	<1,000	<1	<1,000	<1.2	<240	<100	<1	<100	<1
vinyl chloride	4	<1,000	7	<1,000	<1.2	<240	<100	<1	<100	<1
Sub Total 1	19497	38136	11792	16610	25520	39238	1510	2267	1881.1	1105
Miscellaneous Volatile Organic Compounds										
methyl-iso-butyl ketone	NA	<1,000	NA	<1,000	<5	40,400	<100	NA	248	NA
methyl isoamyl ketone	NA	<1,000	NA	<1,000	<5	<1,000	<100	NA	<100	NA
m-xylene	NA	<1,000	NA	<1,000	<5	<1,000	<100	NA	<100	NA
o-xylene/p-xylene	NA	<1,000	NA	<1,000	<5	<1,000	<100	NA	<100	NA
Sub Total 2	NA	0	NA	0	0	40400	0	NA	248	NA
Total VOC's Analyzed	19497	38136	11792	16610	25520	79638	1510	2267	2129.1	1105

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	B-29B	B-29B	B-29B	B-29B	B-30B	B-31B	B-31B	B-31C	B-31C	B-31C
Date:	6/84*	6/84#	11/84	11/85	9/84**	11/85	2/86	9/84**	11/85	2/86
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
acrolein	<1	<50,000	<10,000	<1,000	NA	<100	<100	NA	<100	<100
acrylonitrile	<1	<50,000	<10,000	<1,000	NA	<100	<100	NA	<100	<100
benzene	16	<5,000	<1,000	<44	176	<4.4	<4.4	<0.5	10.7	62.9
bis (chloromethyl) ether	<1	<5,000	<1,000	<100	<1.5	<10	<10	<1.5	<10	<10
bromoform	<1	<5,000	<1,000	<47	<3.2	<4.7	<4.7	<3.2	<4.7	<4.7
carbon tetrachloride	<1	<5,000	<1,000	<28	<1.5	<2.8	<2.8	<1.5	<2.8	<2.8
chlorobenzene	828	<5,000	1,500	1,710	2,350	<6	<6	<0.6	104	483
chlorodibromomethane	<1	<5,000	<1,000	<31	<2.0	<3.1	<3.1	<2.0	<3.1	<3.1
chloroethane	<1	<5,000	<1,000	<100	<2.4	<10	<10	<2.4	<10	<10
2-chloroethylvinyl ether	<1	<5,000	<1,000	<100	<5.9	<10	<10	<5.9	<10	<10
chloroform	38	<5,000	<1,000	48.7	64	<1.6	<1.6	3	<1.6	<1.6
dichlorobromomethane	<1	<5,000	<1,000	<22	<1.1	<2.2	<2.2	<1.1	<2.2	<2.2
dichlorodifluoromethane	<1	<5,000	<1,000	<100	NA	<10	<10	NA	<10	<10
1,1-dichloroethane	<1	<5,000	<1,000	<47	3	<4.7	<4.7	<0.8	<4.7	<4.7
1,2-dichloroethane	<1	<5,000	<1,000	<28	142	<2.8	<2.8	<1.5	<2.8	<2.8
1,1-dichloroethylene	<1	<5,000	<1,000	<28	<1.9	<2.8	<2.8	<1.9	<2.8	<2.8
1,2-dichloropropane	<1	<5,000	<1,000	<60	<1.5	<6	<6	<1.5	<6	<6
cis-1,3-dichloropropylene	<1	<5,000	<1,000	<50	<1.5	<5	<5	<1.5	<5	<5
trans-1,3-dichloropropylene	<1	<5,000	<1,000	<100	<1.5	<10	<10	<1.5	<10	<10
ethylbenzene	30	<5,000	<1,000	<72	359	<7.2	<7.2	<0.4	<7.2	<7.2
methyl bromide	<1	<5,000	<1,000	<100	<1.5	<10	<10	<1.5	<10	<10
methyl chloride	<1	57,000	<1,000	<100	<1.6	<10	<10	<1.6	<10	<10
methylene chloride	17	127,000	<1,000	<28	48	<2.8	<2.8	6	<2.8	<2.8
1,1,2,2-tetrachloroethane	<1	<5,000	<1,000	<69	<1.4	<6.9	<6.9	<1.4	<6.9	<6.9
tetrachloroethylene	<1	<5,000	<1,000	<41	940	<4.1	<4.1	<1.5	<4.1	<4.1
toluene	227	<5,000	<1,000	491	228	<6	<6	1	<6	<6
1,2-trans-dichloroethylene	<1	<5,000	<1,000	<16	163	<1.6	<1.6	<1.5	<1.6	<1.6
1,1,1-trichloroethane	<1	<5,000	<1,000	<38	<1.2	<3.8	<3.8	<1.2	<3.8	<3.8
1,1,2-trichloroethane	<1	<5,000	<1,000	<50	<1.6	<5	<5	<1.6	<5	<5
trichloroethylene	<1	<5,000	<1,000	<19	36	<1.9	<1.9	<1.3	<1.9	<1.9
trichlorofluoromethane	<1	<5,000	<1,000	<100	<1.2	<10	<10	<1.2	<10	<10
vinyl chloride	<1	<5,000	<1,000	<100	<1.2	<10	<10	<1.2	<10	<10
Sub Total 1	1156	184000	1500	2249.7	4509	0	0	10	114.7	545.9
Miscellaneous Volatile Organic Compounds										
methyl-iso-butyl ketone	NA	NA	<1,000	177	2,640	<10	<10	<5	<10	<10
methyl isoamyl ketone	NA	NA	<1,000	<100	<5	<10	<10	<5	<10	<10
m-xylene	NA	NA	<1,000	218	d)	<10	<10	d)	<10	<10
o-xylene/p-xylene	NA	NA	<1,000	146	d)	<10	<10	d)	<10	<10
Sub Total 2	NA	NA	0	541	2640	0	0	0	0	0
Total VOC's Analyzed	1156	184000	1500	2790.7	7149	0	0	10	114.7	545.9

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	B-101	B-102	GM-106	GM-106	GM-106	P-1	P-2	P-2	P-6	P-6
Date:	9/84**	9/84**	11/85	2/86	2/86*	9/84**	6/84	11/85	6/84	11/85
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
acrolein	NA	NA	<100	<1,000	<1,000	NA	<1	<1,000	<1	<100
acrylonitrile	NA	NA	<100	<1,000	<1,000	NA	<1	<1,000	<1	<100
benzene	<50	23	<4.4	<44	<44	<0.5	54	106	31	24.3
bis (chloromethyl) ether	<150	<1.5	<10	<100	<100	<1.5	<1	<100	<1	<10
bromoform	<320	<3.2	<4.7	<47	<47	<3.2	<1	<47	<1	<4.7
carbon tetrachloride	<150	<1.5	<2.8	<28	<28	<1.5	<1	<28	<1	<2.8
chlorobenzene	14,400	<0.6	21.4	201	<60	<0.6	687	764	130	98.1
chlorodibromomethane	<200	<2.0	<3.1	<31	<31	<2.0	<1	<31	<1	<3.1
chloroethane	<240	<2.4	<10	<100	<100	<2.4	<1	<100	<1	<10
2-chloroethylvinyl ether	<590	<5.9	<10	<100	<100	<5.9	<1	<100	<1	<10
chloroform	<80	0.8	<1.6	<16	<16	<0.8	<1	<16	<1	<1.6
dichlorobromomethane	<110	<1.1	<2.2	<22	<22	<1.1	<1	<22	<1	<2.2
dichlorodifluoromethane	NA	NA	<10	<100	<100	NA	<1	<100	<1	<10
1,1-dichloroethane	<80	<0.8	<4.7	<47	<47	<0.8	<1	<47	<1	<4.7
1,2-dichloroethane	<150	<1.5	<2.8	<28	<28	<1.5	<1	<28	<1	<2.8
1,1-dichloroethylene	<190	<1.9	<2.8	<28	<28	<1.9	<1	<28	<1	<2.8
1,2-dichloropropane	<150	<1.5	<6	<60	<60	<1.5	<1	<60	<1	<6
cis-1,3-dichloropropylene	<150	<1.5	<5	<50	<50	<1.5	<1	<50	<1	<5
trans-1,3-dichloropropylene	<150	<1.5	<10	<100	<100	<1.5	<1	<100	<1	<10
ethylbenzene	<40	<0.4	<7.2	<72	<72	<0.4	1	<72	1	<7.2
methyl bromide	<150	<1.5	<10	<100	<100	<1.5	<1	<100	<1	<10
methyl chloride	<160	<1.6	<10	<100	<100	<1.6	<1	<100	<1	<10
methylene chloride	400	2	<2.8	<28	<28	4	81	<28	99	<2.8
1,1,2,2-tetrachloroethane	<140	<1.4	<6.9	<69	<69	<1.4	<1	<69	<1	<6.9
tetrachloroethylene	<150	<1.5	<4.1	<41	<41	<1.5	<1	<41	<1	<4.1
toluene	1,180	1	15	104	<60	<0.4	4	<60	5	<6
1,2-trans-dichloroethylene	<150	<1.5	<1.6	<16	<16	<1.5	<1	<16	<1	<1.6
1,1,1-trichloroethane	<120	<1.2	<3.8	<38	<38	<1.2	<1	<38	<1	<3.8
1,1,2-trichloroethane	<160	<1.6	<5	<50	<50	<1.6	<1	<50	<1	<5
trichloroethylene	<130	<1.3	<1.9	<19	<19	<1.3	<1	<19	<1	<1.9
trichlorofluoromethane	<120	<1.2	<10	<100	<100	<1.2	<1	<100	<1	<10
vinyl chloride	<120	<1.2	<10	<100	<100	<1.2	<1	<100	<1	<10
Sub Total 1	15980	26.8	36.4	305	0	4	827	870	266	122.4
Miscellaneous Volatile Organic Compounds										
methyl-iso-butyl ketone	<500	<5	<10	<100	<100	<5	NA	<100	NA	<10
methyl isoamyl ketone	<500	<5	<10	<100	<100	<5	NA	<100	NA	<10
m-xylene	<500	<5	<10	100	<100	<5	NA	<100	NA	<10
o-xylene/p-xylene	<500	<5	<10	<100	<100	<5	NA	<100	NA	<10
Sub Total 2	0	0	0	100	0	0	NA	0	NA	0
Total VOC's Analyzed	15980	26.8	36.4	405	0	4	827	870	266	122.4

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	P-7	P-7	P-8	P-8	P-10	P-11	P-12	P-13	P-13	P-13
Date:	6/84	11/85	6/84	11/85	9/84**	9/84**	9/84**	6/84	6/84*	6/84*
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
acrolein	<1	<25,000	<1	<1,000	NA	NA	NA	<1	<1	<50,000
acrylonitrile	<1	<25,000	<1	<1,000	NA	NA	NA	<1	<1	<50,000
benzene	2,080	1,810	162	531	132	113	560	61	60	<5,000
bis (chloromethyl) ether	<1	<2,500	<1	<100	<1.5	<1.5	<1.5	<1	<1	<5,000
bromoform	<1	<1,200	<1	<47	<3.2	<3.2	<3.2	<1	<1	<5,000
carbon tetrachloride	<1	<700	<1	<28	<1.5	<1.5	<1.5	<1	<1	<5,000
chlorobenzene	4,040	5,110	585	2,490	2,000	842	690	81	75	<5,000
chlorodibromomethane	<1	<780	<1	<31	<2.0	<2.0	<2.0	<1	<1	<5,000
chloroethane	<1	<2,500	<1	<100	<2.4	<2.4	<2.4	<1	<1	<5,000
2-chloroethylvinyl ether	<1	<2,500	<1	<100	<5.9	<5.9	<5.9	<1	<1	<5,000
chloroform	7	<400	<1	<16	<0.8	<0.8	<0.8	<1	<1	<5,000
dichlorobromomethane	<1	<550	<1	<22	<1.1	<1.1	<1.1	<1	<1	<5,000
dichlorodifluoromethane	<1	<2,500	<1	<100	NA	NA	NA	<1	<1	<5,000
1,1-dichloroethane	<1	<1,200	<1	<47	<0.8	<0.8	<0.8	<1	<1	<5,000
1,2-dichloroethane	<1	700	<1	<28	<1.5	<1.5	<1.5	<1	<1	<5,000
1,1-dichloroethylene	<1	<700	<1	<28	2	<1.9	<1.9	<1	<1	<5,000
1,2-dichloropropane	<1	<1,500	<1	<60	<1.5	<1.5	<1.5	<1	<1	<5,000
cis-1,3-dichloropropylene	<1	<1,300	<1	<50	<1.5	<1.5	<1.5	<1	<1	<5,000
trans-1,3-dichloropropylene	<1	<2,500	<1	<100	<1.5	<1.5	<1.5	<1	<1	<5,000
ethylbenzene	12	<1,800	13	74.6	<0.4	5	32	16	<1	<5,000
methyl bromide	<1	<2,500	<1	<100	<1.5	<1.5	<1.5	<1	<1	<5,000
methyl chloride	<1	<2,500	<1	<100	<1.6	<1.6	<1.6	<1	<1	138,000
methylene chloride	68	<700	19	<28	41	21	42	33	26	37,100
1,1,2,2-tetrachloroethane	<1	<1,700	<1	<69	<1.4	<1.4	<1.4	<1	<1	<5,000
tetrachloroethylene	<1	<1,000	<1	<41	<1.5	<1.5	<1.5	<1	<1	<5,000
toluene	322	<1,500	56	<60	24	10	19	5	4	19,200
1,2-trans-dichloroethylene	<1	<400	<1	<16	<1.5	<1.5	<1.5	<1	<1	<5,000
1,1,1-trichloroethane	<1	<950	<1	<38	<1.2	<1.2	<1.2	<1	<1	<5,000
1,1,2-trichloroethane	<1	<1,300	<1	<50	<1.6	<1.6	<1.6	<1	<1	<5,000
trichloroethylene	<1	<480	<1	<19	<1.3	<1.3	<1.3	<1	<1	<5,000
trichlorofluoromethane	<1	<2,500	<1	<100	<1.2	<1.2	<1.2	<1	<1	<5,000
vinyl chloride	<1	<2,500	<1	<100	<1.2	<1.2	<1.2	<1	<1	<5,000
Sub Total 1	6529	7620	835	3095.6	2199	991	1343	196	165	194300
Miscellaneous Volatile Organic Compounds										
methyl-iso-butyl ketone	NA	<2,500	NA	<100	<5	<5	<5	NA	NA	NA
methyl isoamyl ketone	NA	<2,500	NA	<100	<5	<5	<5	NA	NA	NA
m-xylene	NA	<2,500	NA	<100	<5	<5	<5	NA	NA	NA
o-xylene/p-xylene	NA	<2,500	NA	<100	<5	<5	<5	NA	NA	NA
Sub Total 2	NA	0	NA	0	0	0	0	NA	NA	NA
Total VOC's Analyzed	6529	7620	835	3095.6	2199	991	1343	196	165	194300

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	P-13	P-14	P-14	DW-1	DW-1	DW-4	DW-7	DW-7	DW-10	DW-18
Date:	11/85	6/84	11/85	9/84**	11/85	9/84**	11/85	2/86	9/84**	9/84**
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
acrolein	<1,000	<1	<10,000	NA	<10,000	NA	<100	<5,000	NA	NA
acrylonitrile	<1,000	<1	<10,000	NA	<10,000	NA	<100	<5,000	NA	NA
benzene	89.4	269	<440	23,400	157,000	940	6.9	<220	6,240	<0.5
bis (chloromethyl) ether	<100	<1	<1,000	<300	<1,000	<300	<10	<500	<300	<1.5
bromoform	<47	<1	<470	<640	<470	<640	<4.7	<240	<640	<3.2
carbon tetrachloride	<28	<1	<280	<300	<280	<300	<2.8	<140	<300	<1.5
chlorobenzene	265	23,480	16,000	6,600	35,700	11,040	183	1,080	9,960	<0.6
chlorodibromomethane	<31	<1	<310	<400	<310	<400	<3.1	<160	<400	<2.0
chloroethane	<100	<1	<1,000	<480	<1,000	<480	<10	<500	<480	<2.4
2-chloroethylvinyl ether	<100	<1	<1,000	<1,180	<1,000	<1,180	<10	<500	<1,180	<5.9
chloroform	<16	<1	<160	<160	<160	<160	2.3	<80	<160	<0.8
dichlorobromomethane	<22	<1	<220	<220	<220	<220	<2.2	<110	<220	<1.1
dichlorodifluoromethane	<100	<1	<1,000	NA	<1,000	NA	<10	<500	NA	NA
1,1-dichloroethane	<47	<1	<470	<160	<470	<160	<4.7	<240	<160	<0.8
1,2-dichloroethane	<28	<1	<280	<300	<280	<300	<2.8	<140	<300	<1.5
1,1-dichloroethylene	<28	<1	<280	<380	<280	<380	<2.8	<140	<380	<1.9
1,2-dichloropropane	<60	<1	<600	<300	<600	<300	<6	<300	<300	<1.5
cis-1,3-dichloropropylene	<50	<1	<500	<300	<500	<300	<5	<250	<300	<1.5
trans-1,3-dichloropropylene	<100	<1	<1,000	<300	<1,000	<300	<10	<500	<300	<1.5
ethylbenzene	<72	4	<720	<80	<720	<80	<7.2	<360	200	<0.4
methyl bromide	<100	<1	<1,000	<300	<1,000	<300	<10	<500	<300	<1.5
methyl chloride	<100	<1	<1,000	<320	<1,000	<320	<10	<500	<320	<1.6
methylene chloride	<28	53	<280	2,020	<280	2,140	5	<140	2,380	5
1,1,2,2-tetrachloroethane	<69	<1	<690	<280	<690	<280	<6.9	<350	<280	<1.4
tetrachloroethylene	<41	<1	<410	<300	<410	<300	<4.1	<210	<300	<1.5
toluene	<60	6	<600	<80	<600	<80	8.5	<300	<80	<0.4
1,2-trans-dichloroethylene	<16	<1	<160	<300	<160	<300	7.4	<80	<300	<1.5
1,1,1-trichloroethane	<38	<1	<380	<240	<380	<240	<3.8	<190	<240	<1.2
1,1,2-trichloroethane	<50	<1	<500	<320	<500	<320	<5	<250	<320	<1.6
trichloroethylene	<19	<1	<190	<260	<190	<260	<1.9	<95	<260	<1.3
trichlorofluoromethane	<100	<1	<1,000	<240	<1,000	<240	<10	<500	<240	<1.2
vinyl chloride	<100	<1	<1,000	<240	<1,000	<240	<10	<500	<240	<1.2
Sub Total 1	354.4	23812	16000	32020	192700	14120	213.1	1080	18780	5
Miscellaneous Volatile Organic Compounds										
methyl-iso-butyl ketone	<100	NA	<1,000	<1,000	<1,000	<1,000	<10	<500	<1,000	<5
methyl isoamyl ketone	<100	NA	<1,000	<1,000	<1,000	<1,000	42.4	<500	<1,000	<5
m-xylene	<100	NA	<1,000	<1,000	<1,000	<1,000	<10	<500	<1,000	<5
o-xylene/p-xylene	<100	NA	<1,000	<1,000	<1,000	<1,000	<10	<500	<1,000	<5
Sub Total 2	0	NA	0	0	0	0	42.4	0	0	0
Total VOC's Analyzed	354.4	23812	16000	32020	192700	14120	255.5	1080	18780	5

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	DW-18	DW-18	DW-23	DW-24	DW-29	DW-29	DW-30	DW-33	DW-34	DW-34
Date:	9/84*	11/85	9/84**	9/84**	9/84**	9/84*	11/85	9/84**	9/84**	11/85
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
acrolein	NA	<100	NA	NA	NA	NA	<100	NA	NA	<100
acrylonitrile	NA	<100	NA	NA	NA	NA	<100	NA	NA	<100
benzene	<0.5	184	<0.5	<0.5	<0.5	<25	22.7	<0.5	596,000	867
bis (chloromethyl) ether	<1.5	<10	<1.5	<1.5	<1.5	<75	<10	<1.5	<1,500	<10
bromoform	<3.2	<4.7	<3.2	<3.2	<3.2	<160	<4.7	<3.2	<3,200	<4.7
carbon tetrachloride	<1.5	<2.8	<1.5	<1.5	<1.5	<75	<2.8	<1.5	<1,500	<2.8
chlorobenzene	<0.6	980	<0.6	<0.6	32	760	149	<0.6	366	18
chlorodibromomethane	<2.0	<3.1	<2.0	<2.0	<2.0	<100	<3.1	<2.0	<2,000	<3.1
chloroethane	<2.4	<10	<2.4	<2.4	<2.4	<120	<10	<2.4	<2,400	<10
2-chloroethylvinyl ether	<5.9	<10	<5.9	<5.9	<5.9	<295	<10	<5.9	<5,900	<10
chloroform	<0.8	<1.6	<0.8	<0.8	<0.8	<40	<1.6	<0.8	<800	<1.6
dichlorobromomethane	<1.1	<2.2	<1.1	<1.1	<1.1	<55	<2.2	<1.1	<1,100	<2.2
dichlorodifluoromethane	NA	<10	NA	NA	NA	NA	<10	NA	NA	<10
1,1-dichloroethane	<0.8	<4.7	<0.8	<0.8	<0.8	<40	<4.7	<0.8	<800	<4.7
1,2-dichloroethane	<1.5	<2.8	2	<1.5	3	<75	<2.8	<1.5	<1,500	<2.8
1,1-dichloroethylene	<1.9	<2.8	<1.9	<1.9	<1.9	<95	<2.8	<1.9	<1,900	<2.8
1,2-dichloropropane	<1.5	<6	<1.5	<1.5	<1.5	<75	<6	<1.5	<1,500	<6
cis-1,3-dichloropropylene	<1.5	<5	<1.5	<1.5	<1.5	<75	<5	<1.5	<1,500	<5
trans-1,3-dichloropropylene	<1.5	<10	<1.5	<1.5	<1.5	<75	<10	<1.5	<1,500	<10
ethylbenzene	<0.4	15.5	<0.4	<0.4	<0.4	<20	<7.2	<0.4	<400	<7.2
methyl bromide	<1.5	<10	<1.5	<1.5	<1.5	<75	<10	<1.5	<1,500	<10
methyl chloride	<1.6	<10	<1.6	<1.6	<1.6	<80	<10	<1.6	4,060	<10
methylene chloride	4	<2.8	3	6	3	525	<2.8	9	<1,100	<2.8
1,1,2,2-tetrachloroethane	<1.4	<6.9	<1.4	<1.4	<1.4	<70	<6.9	<1.4	<1,400	<6.9
tetrachloroethylene	<1.5	<4.1	<1.5	<1.5	<1.5	<75	<4.1	<1.5	<1,500	<4.1
toluene	2	16.4	1	<0.4	<0.4	<20	<6	<0.4	1,280	<6
1,2-trans-dichloroethylene	<1.5	4	<1.5	<1.5	<1.5	<75	<1.6	<1.5	129	<1.6
1,1,1-trichloroethane	<1.2	<3.8	<1.2	<1.2	<1.2	<60	<3.8	<1.2	<1,200	<3.8
1,1,2-trichloroethane	<1.6	<5	<1.6	<1.6	<1.6	<80	<5	<1.6	<1,600	<5
trichloroethylene	<1.3	<1.9	<1.3	<1.3	<1.3	<65	<1.9	<1.3	<1,300	<1.9
trichlorofluoromethane	<1.2	<10	<1.2	<1.2	<1.2	<60	<10	<1.2	<1,200	<10
vinyl chloride	<1.2	<10	<1.2	<1.2	<1.2	<60	<10	<1.2	<1,200	<10
Sub Total 1	6	1199.9	6	6	38	1285	171.7	9	601835	885
Miscellaneous Volatile Organic Compounds										
methyl-iso-butyl ketone	NA	<10	<5	<5	<5	NA	<10	<5	<5,000	<10
methyl isoamyl ketone	NA	<10	<5	<5	<5	NA	<10	<5	<5,000	<10
m-xylene	NA	<10	e)	<5	<5	NA	<10	<5	<5,000	<10
o-xylene/p-xylene	NA	<10	e)	<5	<5	NA	<10	<5	<5,000	<10
Sub Total 2	NA	0	0	0	0	NA	0	0	0	0
Total VOC's Analyzed	6	1199.9	6	6	38	1285	171.7	9	601835	885

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	DW-34	DW-1-85	DW-1-85	BK-3	BK-3	BK-3	WB-6	WB-6	WB-6	WB-7
Date:	2/86	11/85	2/86	9/84**	11/85	2/86	9/84**	11/85	2/86	9/84
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
acrolein	<100	<100	<500	NA	<1,000	<10,000	NA	<100	<1,000	NA
acrylonitrile	<100	<100	<500	NA	<1,000	<10,000	NA	<100	<1,000	NA
benzene	623	1,700	472	208	3,980	<440	<0.5	31.1	<44	0.5
bis (chloromethyl) ether	<10	<10	<50	<1.5	<100	<1,000	<1.5	<10	<100	<1.5
bromoform	<4.7	<4.7	<24	<3.2	<47	<470	<3.2	<4.7	<47	<3.2
carbon tetrachloride	<2.8	<2.8	<14	<1.5	<28	<280	<1.5	<2.8	<28	<1.5
chlorobenzene	6.6	6,680	3,650	1,172	4,610	972	<0.6	<6	210	150
chlorodibromomethane	<3.1	<3.1	<16	<2.0	<31	<310	<2.0	<3.1	<31	<2.0
chloroethane	<10	<10	<50	<2.4	<100	<1,000	<2.4	<10	<100	<2.4
2-chloroethylvinyl ether	<10	<10	<50	<5.9	<100	<1,000	<5.9	<10	<100	<5.9
chloroform	<1.6	<1.6	<8	<0.8	<16	<160	<0.8	<1.6	<16	<0.8
dichlorobromomethane	<2.2	<2.2	<11	<1.1	<22	<220	<1.1	<2.2	<22	<1.1
dichlorodifluoromethane	<10	<10	<50	NA	<100	<1,000	NA	<10	<100	NA
1,1-dichloroethane	<4.7	<4.7	50.6	<0.8	<47	<470	<0.8	<4.7	<47	<0.8
1,2-dichloroethane	<2.8	<2.8	<14	<1.5	<28	<280	<1.5	<2.8	<28	<1.5
1,1-dichloroethylene	<2.8	<2.8	192	<1.9	<28	<280	<1.9	<2.8	<28	<1.9
1,2-dichloropropane	<6	<6	<30	<1.5	<60	<600	<1.5	<6	<60	<1.5
cis-1,3-dichloropropylene	<5	<5	<25	<1.5	<50	<500	<1.5	<5	<50	<1.5
trans-1,3-dichloropropylene	<10	<10	<50	<1.5	<100	<1,000	<1.5	<10	<100	<1.5
ethylbenzene	<7.2	<7.2	<36	7	<72	<720	<0.4	15	<72	<0.4
methyl bromide	<10	<10	<50	8	<100	<1,000	<1.5	<10	<100	<1.5
methyl chloride	<10	<10	<50	<1.6	<100	<1,000	<1.6	<10	<100	<1.6
methylene chloride	<2.8	8.3	<14	<1.1	55	<280	5	<2.8	29	<1.1
1,1,2,2-tetrachloroethane	<6.9	<6.9	<35	<1.4	<69	<690	<1.4	<6.9	<69	<1.4
tetrachloroethylene	<4.1	<4.1	<21	<1.5	<41	<410	<1.5	<4.1	<41	<1.5
toluene	<6	<6	<30	2	<60	<600	<0.4	<6	107	<0.4
1,2-trans-dichloroethylene	<1.6	<1.6	202	<1.5	<16	<160	<1.5	<1.6	<16	<1.5
1,1,1-trichloroethane	<3.8	<3.8	<19	<1.2	<38	<380	<1.2	<3.8	<38	<1.2
1,1,2-trichloroethane	<5	<5	<25	<1.6	<50	<500	<1.6	<5	<50	<1.6
trichloroethylene	<1.9	<1.9	<9.5	<1.3	<19	<190	<1.3	<1.9	<19	<1.3
trichlorofluoromethane	<10	<10	<50	<1.2	<100	<1,000	<1.2	<10	<100	<1.2
vinyl chloride	<10	<10	96.2	<1.2	<100	<1,000	<1.2	<10	<100	<1.2
Sub Total 1	629.6	8388.3	4662.8	1397	8645	972	5	46.1	346	150.5
Miscellaneous Volatile Organic Compounds										
methyl-iso-butyl ketone	<10	<10	<50	<5	<100	<1,000	<5	<10	<100	<5
methyl isoamyl ketone	<10	<10	<50	<5	<100	<1,000	<5	<10	<100	<5
m-xylene	<10	<10	<50	<5	<100	<1,000	<5	12.3	105	<5
o-xylene/p-xylene	<10	<10	<50	<5	<100	<1,000	<5	19.5	<100	<5
Sub Total 2	0	0	0	0	0	0	0	31.8	105	0
Total VOC's Analyzed	629.6	8388.3	4662.8	1397	8645	972	5	77.9	451	150.5

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	WB-7	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Trip Blank
Date:	11/85	6/84	9/84	9/84	11/84	2/85	5/85	11/85	2/86	5/84
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
acrolein	<100	NA	NA	NA	<100	<100	<100	<100	<100	<1
acrylonitrile	<100	NA	NA	NA	<100	<100	<100	<100	<100	<1
benzene	<4.4	<0.5	<0.5	<0.5	28	<4.4	<4.4	<4.4	<4.4	<1
bis (chloromethyl) ether	<10	<1.5	<1.5	<1.5	<10	<10	<10	<10	<10	<1
bromoform	<4.7	<3.2	<3.2	<3.2	<10	<4.7	<4.7	<4.7	<4.7	<1
carbon tetrachloride	<2.8	<1.5	<1.5	<1.5	<10	<2.8	<2.8	<2.8	<2.8	<1
chlorobenzene	<6	<0.6	53	1	24	<6	<6	<6	<6	<1
chlorodibromomethane	<3.1	<2.0	<2.0	<2.0	<10	<3.1	<3.1	<3.1	<3.1	<1
chloroethane	<10	<2.4	<2.4	<2.4	<10	<10	<10	<10	<10	<1
2-chloroethylvinyl ether	<10	<5.9	<5.9	<5.9	<10	<10	<10	<10	<10	<1
chloroform	<1.6	<0.8	<0.8	<0.8	<10	<1.6	<1.6	<1.6	<1.6	<1
dichlorobromomethane	<2.2	<1.1	<1.1	<1.1	<10	<2.2	<2.2	<2.2	<2.2	<1
dichlorodifluoromethane	<10	NA	NA	NA	<10	<10	<10	<10	<10	<1
1,1-dichloroethane	<4.7	<0.8	<0.8	<0.8	<10	<4.7	<4.7	<4.7	<4.7	<1
1,2-dichloroethane	<2.8	<1.5	<1.5	<1.5	<10	<2.8	<2.8	<2.8	<2.8	<1
1,1-dichloroethylene	<2.8	<1.9	<1.9	<1.9	<10	<2.8	<2.8	<2.8	<2.8	<1
1,2-dichloropropane	<6	<1.5	<1.5	<1.5	<10	<6	<6	<6	<6	<1
cis-1,3-dichloropropylene	<5	<1.5	<1.5	<1.5	<10	<5	<5	<5	<5	<1
trans-1,3-dichloropropylene	<10	<1.5	<1.5	<1.5	<10	<10	<10	<10	<10	<1
ethylbenzene	<7.2	<0.4	1	<0.4	<10	<7.2	<7.2	<7.2	<7.2	<1
methyl bromide	<10	<1.5	<1.5	<1.5	<10	<10	<10	<10	<10	<1
methyl chloride	<10	<1.6	<1.6	<1.6	<10	<10	<10	<10	<10	<1
methylene chloride	<2.8	20	39	15	<10	<2.8	3.8	<2.8	6.5	53
1,1,2,2-tetrachloroethane	<6.9	<1.4	<1.4	<1.4	<10	<6.9	<6.9	<6.9	<6.9	<1
tetrachloroethylene	<4.1	<1.5	<1.5	<1.5	<10	<4.1	<4.1	<4.1	<4.1	<1
toluene	<6	3	1	<0.4	<10	<6	<6	<6	<6	2
1,2-trans-dichloroethylene	<1.6	<1.5	<1.5	<1.5	<10	<1.6	<1.6	<1.6	<1.6	<1
1,1,1-trichloroethane	<3.8	<1.2	<1.2	<1.2	<10	<3.8	<3.8	<3.8	<3.8	<1
1,1,2-trichloroethane	<5	<1.6	<1.6	<1.6	<10	<5	<5	<5	<5	<1
trichloroethylene	<1.9	<1.3	<1.3	<1.3	<10	<1.9	<1.9	<1.9	<1.9	<1
trichlorofluoromethane	<10	<1.2	<1.2	<1.2	<10	<10	<10	<10	<10	<1
vinyl chloride	<10	<1.2	<1.2	<1.2	<10	<10	<10	<10	<10	<1
Sub Total 1	0	23	94	16	52	0	3.8	0	6.5	55
Miscellaneous Volatile Organic Compounds										
methyl-iso-butyl ketone	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA
methyl isoamyl ketone	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA
m-xylene	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-xylene/p-xylene	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total VOC's Analyzed	0	23	94	16	52	0	3.8	0	6.5	55

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Lab Blank
Date:	6/84	9/84	9/84	9/84	11/84	2/85	5/85	11/85	2/86	11/83
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
acrolein	NA	NA	NA	NA	<100	<100	<100	<100	NA	<1
acrylonitrile	NA	NA	NA	NA	<100	<100	<100	<100	NA	<1
benzene	<0.5	1	31	30	<10	<4.4	<4.4	<4.4	NA	<1
bis (chloromethyl) ether	<1.5	<1.5	<1.5	<1.5	<10	<10	<10	<10	NA	<1
bromoform	<3.2	<3.2	<3.2	<3.2	<10	<4.7	<4.7	<4.7	NA	<1
carbon tetrachloride	<1.5	<1.5	<1.5	<1.5	<10	<2.8	<2.8	<2.8	NA	<1
chlorobenzene	2	<0.6	<0.6	<0.6	<10	<6	<6	<6	NA	<1
chlorodibromomethane	<2.0	<2.0	<2.0	<2.0	<10	<3.1	<3.1	<3.1	NA	<1
chloroethane	<2.4	4	<2.4	<2.4	<10	<10	<10	<10	NA	<1
2-chloroethylvinyl ether	<5.9	<5.9	<5.9	<5.9	<10	<10	<10	<10	NA	<1
chloroform	<0.8	2	<0.8	<0.8	<10	<1.6	<1.6	<1.6	NA	<1
dichlorobromomethane	<1.1	<1.1	<1.1	<1.1	<10	<2.2	<2.2	<2.2	NA	<1
dichlorodifluoromethane	NA	NA	NA	NA	<10	<10	<10	<10	NA	<1
1,1-dichloroethane	<0.8	<0.8	<0.8	<0.8	<10	<4.7	<4.7	<4.7	NA	<1
1,2-dichloroethane	<1.5	<1.5	<1.5	<1.5	<10	<2.8	<2.8	<2.8	NA	<1
1,1-dichloroethylene	<1.9	4	2	2	<10	<2.8	<2.8	<2.8	NA	<1
1,2-dichloropropane	<1.5	<1.5	<1.5	<1.5	<10	<6	<6	<6	NA	<1
cis-1,3-dichloropropylene	<1.5	<1.5	<1.5	<1.5	<10	<5	<5	<5	NA	<1
trans-1,3-dichloropropylene	<1.5	<1.5	<1.5	<1.5	<10	<10	<10	<10	NA	<1
ethylbenzene	<0.4	<0.4	<0.4	<0.4	<10	<7.2	<7.2	<7.2	NA	<1
methyl bromide	<1.5	3	<1.5	<1.5	<10	<10	<10	<10	NA	<1
methyl chloride	<1.6	5	<1.6	<1.6	<10	<10	<10	<10	NA	<1
methylene chloride	18	130	44	32	<10	4	3.4	<2.8	NA	34
1,1,2,2-tetrachloroethane	<1.4	<1.4	<1.4	<1.4	<10	<6.9	<6.9	<6.9	NA	<1
tetrachloroethylene	<1.5	<1.5	<1.5	<1.5	<10	<4.1	<4.1	<4.1	NA	<1
toluene	3	1	1	1	<10	<6	<6	<6	NA	<1
1,2-trans-dichloroethylene	<1.5	2	<1.5	<1.5	<10	<1.6	<1.6	<1.6	NA	<1
1,1,1-trichloroethane	<1.2	<1.2	<1.2	<1.2	<10	<3.8	<3.8	<3.8	NA	<1
1,1,2-trichloroethane	<1.6	<1.6	<1.6	<1.6	<10	<5	<5	<5	NA	<1
trichloroethylene	<1.3	<1.3	<1.3	<1.3	<10	<1.9	<1.9	<1.9	NA	<1
trichlorofluoromethane	<1.2	<1.2	<1.2	<1.2	<10	<10	<10	<10	NA	<1
vinyl chloride	<1.2	6	<1.2	<1.2	<10	<10	<10	<10	NA	<1
Sub Total 1	23	158	78	65	0	4	3.4	0	NA	34
Miscellaneous Volatile Organic Compounds										
methyl-iso-butyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
methyl isoamyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m-xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-xylene/p-xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total VOC's Analyzed	23	158	78	65	0	4	3.4	0	0	34

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	Lab Blank	Lab Blank	Lab Blank	Lab Blank	Lab Blank	Lab Blank	Lab Blank	Lab Blank	Lab Blank	Lab Blank
Date:	11/83	5/84	5/84	9/84	9/84	9/84	9/84	9/84	9/84	9/84
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
acrolein	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA
acrylonitrile	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA
benzene	<1	2	<1	<0.5	29	21	19	<0.5	<0.5	<0.5
bis (chloromethyl) ether	<1	<1	<1	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
bromoform	<1	<1	<1	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
carbon tetrachloride	<1	<1	<1	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
chlorobenzene	<1	<1	<1	<0.6	<0.6	1	1	<0.6	<0.6	1
chlorodibromomethane	<1	<1	<1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
chloroethane	<1	<1	<1	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4
2-chloroethylvinyl ether	<1	<1	<1	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9
chloroform	1	<1	<1	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
dichlorobromomethane	<1	<1	<1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
dichlorodifluoromethane	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA
1,1-dichloroethane	<1	<1	<1	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
1,2-dichloroethane	<1	<1	<1	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
1,1-dichloroethylene	<1	<1	<1	<1.9	1	1	1	<1.9	<1.9	<1.9
1,2-dichloropropane	<1	<1	<1	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
cis-1,3-dichloropropylene	<1	<1	<1	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
trans-1,3-dichloropropylene	<1	<1	<1	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
ethylbenzene	<1	<1	<1	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
methyl bromide	<1	<1	<1	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
methyl chloride	<1	<1	<1	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
methylene chloride	26	27	14	<1.1	33	42	35	2	3	15
1,1,2,2-tetrachloroethane	<1	<1	<1	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
tetrachloroethylene	<1	<1	<1	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
toluene	<1	2	2	<0.4	1	1	1	<0.4	<0.4	<0.4
1,2-trans-dichloroethylene	<1	<1	<1	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
1,1,1-trichloroethane	<1	5	<1	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,1,2-trichloroethane	<1	<1	<1	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
trichloroethylene	<1	2	1	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
trichlorofluoromethane	<1	<1	<1	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
vinyl chloride	<1	<1	<1	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Sub Total 1	27	38	17	0	64	66	57	2	3	16
Miscellaneous Volatile Organic Compounds										
methyl-iso-butyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
methyl isoamyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m-xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-xylene/p-xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total VOC's Analyzed	27	38	17	0	64	66	57	2	3	16

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

Well Number:	Lab Blank	Lab Blank	Lab Blank	Lab Blank	Lab Blank	Lab Blank
Date:	9/84	9/84	9/84	9/84	9/84	9/84
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L						
acrolein	NA	NA	NA	NA	NA	NA
acrylonitrile	NA	NA	NA	NA	NA	NA
benzene	4	3	8	<0.5	<0.5	34
bis (chloromethyl) ether	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
bromoform	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
carbon tetrachloride	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
chlorobenzene	<0.6	<0.6	<0.6	53	<0.6	<0.6
chlorodibromomethane	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
chloroethane	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4
2-chloroethylvinyl ether	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9
chloroform	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
dichlorobromomethane	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
dichlorodifluoromethane	NA	NA	NA	NA	NA	NA
1,1-dichloroethane	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
1,2-dichloroethane	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
1,1-dichloroethylene	<1.9	<1.9	<1.9	<1.9	<1.9	2
1,2-dichloropropane	15	<1.5	<1.5	<1.5	<1.5	<1.5
cis-1,3-dichloropropylene	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
trans-1,3-dichloropropylene	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
ethylbenzene	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
methyl bromide	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
methyl chloride	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
methylene chloride	15	<1.1	24	39	6	50
1,1,2,2-tetrachloroethane	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
tetrachloroethylene	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
toluene	1	1	1	1	<0.4	1
1,2-trans-dichloroethylene	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
1,1,1-trichloroethane	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,1,2-trichloroethane	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
trichloroethylene	<1.3	<1.3	1	<1.3	<1.3	<1.3
trichlorofluoromethane	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
vinyl chloride	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Sub Total 1	35	4	34	93	6	87
Miscellaneous Volatile Organic Compounds						
methyl-iso-butyl ketone	NA	NA	NA	NA	NA	NA
methyl isoamyl ketone	NA	NA	NA	NA	NA	NA
m-xylene	NA	NA	NA	NA	NA	NA
o-xylene/p-xylene	NA	NA	NA	NA	NA	NA
Sub Total 2	NA	NA	NA	NA	NA	NA
Total VOC's Analyzed	35	4	34	93	6	87

Table E-1. Summary of Volatile Organic Compounds in Ground Water, W.G. Krummrich Plant, Monsanto Company, Sauget, Il. ***

NA - Not analyzed.

* - Replicate Analyses

** - Prior to analysis, this sample was held by Envirodyne Engineers, Inc. longer than the maximum allowable USEPA holding time.

*** - Envirodyne Engineers, Inc. (St. Louis, MO.) provided the laboratory services for the sampling rounds conducted between November, 1983 and September, 1984, with the exception of the January through May, 1984 sampling rounds conducted in the W.G. Krummrich Landfill. These wells are designated as the "B" series (i.e. B-22A) and the "P" series (i.e. P-7) and D'Appolonia (currently IT Corporation), Pittsburgh, Pa., provided the chemical results. ETC (Edison, NJ) performed the analyses for the November 1984 through February 1986 sampling programs.

\# - Replicate analysis was performed by ETC.

a) - Envirodyne Engineers, Inc. reported 10 ug/L and 2 ug/L for wells GM-16A and GM-16B, respectively. Their results did not differentiate between the xylene compounds.

b) - Envirodyne Engineers, Inc. reported 4 ug/L, 18 ug/L and 10 ug/L for wells GM-25B, GM-27B and GM-27C, respectively. Their results did not differentiate between the xylene compounds.

c) - Envirodyne Engineers, Inc. reported 66 ug/L, greater than 119 ug/L and 1 ug/L for wells GM-28B, GM-28C and GM-30, respectively. Their results did not differentiate between the xylene compounds.

d) - Envirodyne Engineers, Inc. reported 1,630 ug/L and 12 ug/L for wells B-30B and B-31C, respectively. Their results did not differentiate between the xylene compounds.

e) - Envirodyne Engineers, Inc. reported 8 ug/L for well GM-2C. The result did not differentiate between the xylene compounds.

< - Indicates that the compound was not detected at the detection limit which is the value shown next to the symbol.

SAUGET Analytical Data
Area 1 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (UG/L)
Collected by Geraghty & Miller (11/83, 11/84)

Sample Number	GM-1	GM-1	GM-2	GM-2	GM-3	GM-3	GM-3	GM-4A	GM-4A	GM-4B	Maximum
Date Collected	11/83	5/84	11/83	5/84	11/83	5/84	5/84*	11/83	5/84	9/84	Detected Max
VOC											
Acrolein	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**176**	**176**
Bis (chloromethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2340**	**2340**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	ND	ND	**28**	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	**2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**28**
Dichlorobromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**23**	**23**
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**8**	**8**
Methyl Bromide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride	**18**	**32**	**12**	**74**	**12**	**51**	**53**	**9**	**38**	ND	**74**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	**4**	**4**
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2**	**2**
Toluene	ND	**1**	ND	**1**	ND	**1**	**2**	ND	ND	**2**	**2**
1,2-trans-dichloroethylene	ND	ND	ND	**4**	ND	ND	ND	ND	ND	**2**	**4**
1,1,1-Trichloroethane	**5**	ND	ND	ND	ND	**3**	ND	ND	ND	ND	**5**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	**6**	ND	**6**	**3**	ND	ND	ND	ND	ND	ND	**6**
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL	31	**33**	46	82	23	55	55	9	40	2555	2555
Miscellaneous VOC											
Methyl-iso-butyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND
Methyl isoamyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND
m-xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND
o-xylene/p-xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND
SUB TOTAL 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	ND
TOTAL VOCs ANALYZED	31	33	46	82	23	55	55	9	40	2555	

SAUGET Analytical Data
Area 1 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (UG/L)
Collected by Geraghty & Miller (11/83, 11/84)

	Sample Number	GM-4B	GM-4B	GM-4B	GM-4B	GM-4B	GM-4C	GM-4C	GM-5	GM-5	GM-6A	Maximum
	Date Collected	11/84	11/84*	2/85	11/85	11/85*	2/85	5/85	11/83	5/84	11/83	Detected
VOC												Max
Acrolein		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene		**500**	ND	**142**	ND	**28.3**	**97.7**	ND	ND	**2**	ND	**500**
Bis (chloromethyl)ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		**15900**	**15900**	**13600**	**4360**	**5400**	**9210**	**4515.3**	ND	ND	ND	**15900**
Chlorodibromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	ND	ND	**1**	ND	**3**	**3**
Dichlorobromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	**29**	**29**
1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Bromide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride		ND	ND	ND	ND	ND	ND	ND	**10**	**102**	**18**	**102**
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene		ND	ND	ND	ND	ND	ND	ND	**2**	**2**	**1**	**2**
1,2-trans-dichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	**2**	**2**
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL		16400	15900	13742	4360	5428.3	9307 7	4581 3	13	106	55	
Miscellaneous VOC												
Methyl-iso-butyl ketone		ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
Methyl isoamyl ketone		ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
m-xylene		ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
o-xylene/p-xylene		ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
SUB TOTAL 2		0	0	0	0	0	0	0	NA	NA	NA	ND
TOTAL VOCs ANALYZED		16400	15900	13742	4360	5428 3	9307 7	4581 3	13	106	55	

SAUGET Analytical Data
Area 1 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (UG/L)
Collected by Geraghty & Miller (11/83, 11/84)

Sample Number	GM-6A	GM-6A	GM-6B	GM-6B	GM-6B	GM-7	GM-7	GM-8	GM-8	GM-8	Maximum
Date Collected	5/84	11/84	9/84**	11/84	11/85	11/83	5/84	11/83	5/84	11/84	Detected
VOC											Max
Acrolein	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	28	71	71.8	1	ND	3	2	ND	71.8
Bis (chloromethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	2620	326	379	ND	ND	ND	ND	ND	2620
Chlorodibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	437	ND	ND	ND	ND	ND	ND	ND	437
2-Chloroethylvinyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	8	ND	ND	8
Dichlorobromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	13	224	184	75.7	ND	ND	ND	ND	ND	224
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	24	15	ND	ND	ND	ND	ND	ND	24
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	5	ND	ND	ND	ND	ND	ND	ND	5
Methyl Bromide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	451	ND	326	ND	ND	11	53	16	161	ND	451
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	2	ND	15	ND	ND	ND	2	ND	2	ND	15
1,2-trans-dichloroethylene	ND	ND	750	537	ND	ND	ND	ND	ND	ND	750
1,1,1-Trichloroethane	7	ND	ND	ND	ND	ND	6	6	4	19	19
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	1	ND	3	ND	ND	ND	ND	ND	ND	ND	3
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	258	ND	ND	ND	ND	ND	ND	258
SUB TOTAL	462	13	4432	1391	843.5	12	61	33	169	19	
Miscellaneous VOC											
Methyl-iso-butyl ketone	NA	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND
Methyl isoamyl ketone	NA	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND
m-xylene	NA	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND
o-xylene/p-xylene	NA	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND
SUB TOTAL 2	NA	0	0	0	0	NA	NA	NA	NA	0	ND
TOTAL VOCs ANALYZED	462	13	4432	1391	843.5	12	61	33	169	19	

SAUGET Analytical Data
Area 1 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (UG/L)
Collected by Geraghty & Miller (11/83, 11/84)

Sample Number	GM-8	GM-8	GM-9A	GM-9A	GM-9B	GM-9B	GM-9B	GM-9C	GM-9C	GM-9C	Maximum
Date Collected	2/85	11/85	11/83	5/84	9/84**	5/85	11/85	9/84**	5/84	11/85	Detected
VOC											Max
Acrolein	ND	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND
Acrylonitrile	ND	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND
Benzene	ND	ND	**331**	**449**	**276**	**378.4**	ND	**35**	ND	ND	**449**
Bis (chloromethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	**1270**	**701**	**272**	**1780.5**	**229**	**216**	**34.7**	**99.6**	**1780.5**
Chlorodibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	**3**	**2**	ND	ND	ND	**1**	ND	ND	**3**
Dichlorobromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	**7**	ND	ND	**1**	ND	ND	**7**
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	**3**	ND	ND	ND	**1**	ND	ND	**3**
Methyl Bromide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	**10**	**22**	**211**	ND	**584**	**35**	ND	**53.8**	**584**
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	**3**	**2**	ND	ND	ND	ND	ND	ND	3
Toluene	ND	ND	**2**	**2**	**6**	ND	ND	**1.5**	ND	ND	**6**
1,2-trans-dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	**3**	**4**	ND	ND	ND	ND	ND	ND	**4**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL	0	0	1622	1185	772	2158 9	813	290 5	34 7	153.4	
Miscellaneous VOC											
Methyl-iso-butyl ketone	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND
Methyl isoamyl ketone	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND
m-xylene	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND
o-xylene/p-xylene	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL 2	0	0	NA	NA	0	0	0	0	0	0	ND
TOTAL VOCs ANALYZED	0	0	1622	1185	772	2158 9	813	290 5	34 7	153 4	

SAUGET Analytical Data
Area 1 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (UG/L)
Collected by Geraghty & Miller (11/83, 11/84)

	Sample Number	GM-10A	GM-10A	GM-10B	GM-10B	GM-10C	GM-10C	GM-11	GM-11	GM-12A	GM-12A	Maximum
	Date Collected	11/83	5/84	2/85	5/85	2/85	5/85	11/83	5/84	11/83	11/83*	Detected
VOC												Max
Acrolein		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene		2	ND	317	143.9	ND	ND	ND	ND	425	433	433
Bis (chloromethyl)ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		ND	ND	1540	119	107	29.6	ND	ND	350	296	1540
Chlorodibromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	ND	5	ND	18	21	21
Dichlorobromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	2	4	4	4
Methyl Bromide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride		ND	ND	ND	ND	ND	ND	ND	ND	8	7	8
Methylene Chloride		21	53	ND	ND	ND	ND	16	53	ND	ND	53
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene		ND	2	ND	ND	ND	ND	ND	2	ND	ND	2
1,2-trans-dichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane		1	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL		24	55	1857	264.7	107	29.6	21	55	858	829	
Miscellaneous VOC												
Methyl-iso-butyl ketone		NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	ND
Methyl isoamyl ketone		NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	ND
m-xylene		NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	ND
o-xylene/p-xylene		NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	ND
SUB TOTAL 2		NA	NA	0	0	0	0	NA	NA	NA	NA	ND
TOTAL VOCs ANALYZED		24	55	1857	264.7	107	29.6	21	55	858	829	

SAUGET Analytical Data
Area 1 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (UG/L)
Collected by Geraghty & Miller (11/83, 11/84)

	Sample Number	GM-12A	GM-12A	GM-12A	GM-12A	GM-12A	GM-12A	GM-12A	GM-12	GM-12A	GM-12A	Maximum
	Date Collected	5/84	5/84*	11/84	11/84*	2/85	2/85*	5/85	5/85*	11/85	11/85*	Detected
VOC												Max
Acrolein		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene		**3263**	**4819**	**1790**	**3590**	**1030**	**1060**	**2270.3**	**1819.1**	**1730**	**1540**	**4819**
Bis (chloromethyl)ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		**304**	**399**	**286**	**565**	**349.3**	**399.3**	**453.4**	**471.9**	**428**	**403**	**565**
Chlorodibromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	**18**	**21**	**21**
Dichlorobromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		**17**	**17**	**17**	ND	**20.2**	**22**	**13.9**	**14.6**	ND	ND	**22**
Methyl Bromide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride		**23**	**31**	ND	ND	ND	ND	ND	ND	ND	ND	**31**
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene		**17**	**22**	**26**	ND	**31**	**29**	ND	ND	**599**	**443**	**599**
1,2-trans-dichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL		3624	5288	2119	4155	1430.7	1610 3	2749 8	2317 9	2757	2386	
Miscellaneous VOC												
Methyl-iso-butyl ketone		NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isoamyl ketone		NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
m-xylene		NA	NA	**17**	ND	**17.1**	**18.5**	**11**	**12.6**	ND	ND	**18.5**
o-xylene/p-xylene		NA	NA	**49**	ND	**55.3**	**59.5**	**43**	**49.7**	ND	ND	**59.5**
SUB TOTAL 2		NA	NA	66	0	72 4	78	54	62 3	0	0	78
TOTAL VOCs ANALYZED		3624	5288	2185	4155	1503 1	1688 3	2803 8	2380 2	2757	2386	

SAUGET Analytical Data
Area 1 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (UG/L)
Collected by Geraghty & Miller (11/83, 11/84)

Sample Number	GM-12A	GM-12A	GM-12B	GM-12B	GM-12B	GM-12C	GM-12C	GM-12C	GM-12C	GM-13	Maximum
Date Collected	2/86	2/86*	9/84**	11/84	11/85	2/85	2/85*	5/85	5/85*	9/84**	Detected
VOC											Max
Acrolein	ND	ND	NA	ND	ND	ND	ND	ND	ND	NA	ND
Acrylonitrile	ND	ND	NA	ND	ND	ND	ND	ND	ND	NA	ND
Benzene	1170	1160	700	2090	2100	66.7	54.7	27.4	26	1400	2100
Bis (chloromethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	499	394	ND	ND	ND	ND	ND	ND	ND	850	850
Chlorodibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorobromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	NA	ND	ND	ND	ND	ND	ND	NA	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	11.3	7.9	230	ND	ND	40	37.4	ND	ND	25000	25000
Methyl Bromide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	6.5	200	ND	410	ND	ND	ND	ND	360	410
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	100	112	63.3	125	113	16.2	14.4	1200	1200
1,2-trans-dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL	1680.3	1568.4	1230	2202	2573.3	231.7	215.5	43.6	40.4	28810	
Miscellaneous VOC											
Methyl-iso-butyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isoamyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m-xylene	ND	ND	ND	ND	ND	75.8	70.9	19	ND	ND	75.8
o-xylene/p-xylene	20	16.9	ND	ND	ND	74	68.2	21.9	17.3	ND	74
SUB TOTAL 2	20	16.9	0	0	0	149.8	139.1	40.9	17.3	0	149.8
TOTAL VOCs ANALYZED	1700.3	1585.3	1230	2202	2573.3	381.5	354.6	84.5	57.7	28810	

SAUGET Analytical Data
Area 1 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (UG/L)
Collected by Geraghty & Miller (11/83, 11/84)

Sample Number	GM-13	GM-13	GM-14	GM-15	GM-16A	GM-16A	GM-16A	GM-16B	GM-16B	GM-16B	Maximum
Date Collected	11/85	2/86	9/84**	9/84**	9/84**	5/85	11/85	9/84**	5/85	11/85	Detected
VOC											Max
Acrolein	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	ND
Acrylonitrile	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	ND
Benzene	**1180**	**925**	**1400**	**8**	ND	ND	ND	ND	ND	ND	**1400**
Bis (chloromethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	**4.5**	ND	**4.5**
Chlorobenzene	**3900**	**18600**	**15200**	**103**	ND	ND	ND	**2**	ND	ND	**18600**
Chlorodibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	**2**	ND	ND	**58**	ND	ND	**58**
Dichlorobromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**20000**	**18900**	**480**	**9**	ND	ND	ND	ND	ND	ND	**20000**
Methyl Bromide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	**1310**	ND	**800**	**24**	**10**	**5.4**	ND	**5**	ND	ND	**1310**
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**1120**	**845**	**204**	**9**	**2**	ND	ND	ND	ND	ND	**1120**
1,2-trans-dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL	27510	39270	154884	153	14	5.4	0	65	4.5	0	
Miscellaneous VOC											
Methyl-iso-butyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isoamyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m-xylene	**50900**	ND	ND	ND	a)	ND	ND	a)	ND	ND	**50900**
o-xylene/p-xylene	**35800**	**16.9**	ND	ND	a)	ND	ND	a)	ND	ND	**35800**
SUB TOTAL 2	86700	16.9	0	0	0	0	0	0	0	0	**86700**
TOTAL VOCs ANALYZED	114210	1585.3	154884	153	14	5.4	0	65	4.5	0	

SAUGET Analytical Data
Area 1 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (UG/L)
Collected by Geraghty & Miller (11/83, 11/84)

Sample Number	GM-17A	GM-17A	GM-17A	GM-17B	GM-17B	GM-17B	GM-17C	GM-17C	GM-17C	GM-18A	Maximum
Date Collected	09/84**	11/84	11/85	9/84**	11/84	11/85	9/84**	11/84	11/85	9/84**	Detected
VOC											Max
Acrolein	NA	ND	ND	NA	ND	ND	NA	ND	ND	NA	ND
Acrylonitrile	NA	ND	ND	NA	ND	ND	NA	ND	ND	NA	ND
Benzene	NA	**41900**	**51900**	**26000**	**69200**	**47400**	**4940**	**1880**	**552**	**34**	**69200**
Bis (chloromethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	NA	**57500**	**56500**	**5300**	**17600**	**376**	**13900**	**9510**	**3500**	ND	**57500**
Chlorodibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2**	**2**
Dichlorobromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NA	ND	ND	NA	ND	ND	NA	ND	ND	NA	ND
1,1-Dichloroethane	ND	ND	ND	**170**	ND	ND	ND	ND	ND	ND	**170**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND	**205**	ND	ND	**1**	**205**
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	**250**	ND	**11**	ND	ND	ND	ND	**250**
Methyl Bromide	ND	ND	ND	**120**	ND	ND	ND	ND	ND	ND	**120**
Methyl Chloride	ND	ND	ND	**120**	ND	ND	ND	ND	ND	ND	**120**
Methylene Chloride	**3**	**3060**	ND	**540**	**3740**	ND	**7140**	ND	ND	**39**	**7140**
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**6**	ND	ND	**220**	ND	**9.1**	**194**	ND	ND	ND	**220**
1,2-trans-dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	**130**	ND	ND	ND	ND	ND	ND	**130**
SUB TOTAL	9	102460	108400	32850	90540	47796 1	26379	11390	4052	76	
Miscellaneous VOC											
Methyl-iso-butyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isoamyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m-xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-xylene/p-xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL 2	0	0	0	0	0	0	0	0	0	0	ND
TOTAL VOCs ANALYZED	9	102460	108400	32850	90540	47796 1	26379	11390	11390	76	

SAUGET Analytical Data
Area 1 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (UG/L)
Collected by Geraghty & Miller (11/83, 11/84)

Sample Number	GM-18A	GM-18A	GM-18B	GM-18B	GM-18B	GM-25A	GM-25A	GM-25B**	GM-25B	GM-25B	Maximum
Date Collected	5/85	11/85	9/84**	5/85	11/85	9/84	11/84	09/84	11/84	11/85	Detected
VOC											Max
Acrolein	NA	ND	NA	ND	ND	NA	ND	NA	ND	ND	ND
Acrylonitrile	NA	ND	NA	ND	ND	NA	ND	NA	ND	ND	ND
Benzene	NA	ND	**35**	**63.3**	**24.1**	**1**	ND	ND	ND	ND	**63.3**
Bis (chloromethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	NA	ND	**100**	**285.1**	**174**	**14**	ND	ND	ND	ND	**285.1**
Chlorodibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	**22**	ND	ND	ND	ND	ND	ND	ND	**22**
2-Chloroethylvinyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	**3**	ND	**3**	ND	ND	**3**
Dichlorobromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NA	ND	NA	ND	ND	NA	ND	NA	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	**1**	ND	ND	ND	ND	ND	ND	ND	**1**
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Bromide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	**3**	ND	**37**	ND	ND	**5**	ND	**2**	ND	ND	**37**
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**6**	ND	**1**	ND	ND	**1**	ND	ND	ND	ND	**6**
1,2-trans-dichloroethylene	ND	ND	**1**	**1.7**	ND	ND	ND	ND	ND	ND	**1.7**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	**34.3**	**31.4**	ND	ND	ND	ND	ND	**34.3**
SUB TOTAL	9	0	197	384.4	229.5	24	0	5	0	0	
Miscellaneous VOC											
Methyl-iso-butyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isoamyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m-xylene	ND	ND	ND	ND	ND	ND	ND	b)	ND	ND	ND
o-xylene/p-xylene	ND	ND	ND	ND	ND	ND	ND	b)	ND	ND	ND
SUB TOTAL 2	0	0	0	0	0	0	0	0	0	0	ND
TOTAL VOCs ANALYZED	9	0	197	384.4	229.5	24	0	5	0	0	

SAUGET Analytical Data
Area 1 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (UG/L)
Collected by Geraghty & Miller (11/83, 11/84)

	Sample Number	GM-27B	GM-27B	GM-27B	GM-27C	GM-27C	GM-27C	GM-28B	GM-28B	GM-28B	GM-28C	Maximum
	Date Collected	9/84**	11/85	2/86	9/84**	11/85	2/86	9/84**	11/85	2/86	9/84**	Detected
VOC												Max
Acrolein		NA	ND	ND	NA	ND	ND	NA	ND	ND	NA	ND
Acrylonitrile		NA	ND	ND	NA	ND	ND	NA	ND	ND	NA	ND
Benzene		36	35.6	619	160	554	765	410	934	644	1000	1000
Bis (chloromethyl)ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		80	143	459	275	1220	1950	2804	6120	6130	3800	6130
Chlorodibromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorobromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		NA	ND	ND	NA	ND	ND	NA	ND	ND	NA	ND
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene		ND	ND	ND	1	ND	ND	1	ND	ND	2	2
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		6	ND	ND	1	ND	ND	12	ND	ND	18	18
Methyl Bromide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride		40	ND	13	38	ND	ND	71	ND	ND	45	71
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene		4	ND	6	2	ND	ND	18	ND	ND	35	35
1,2-trans-dichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	2	2
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL		166	178.6	1097	477	1774	2715	3316	7054	6774	4902	
Miscellaneous VOC												
Methyl-iso-butyl ketone		ND	ND	ND	ND	ND	ND	2	ND	ND	ND	2
Methyl isoamyl ketone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m-xylene		b)	ND	ND	b)	ND	ND	c)	ND	ND	c)	ND
o-xylene/p-xylene		b)	ND	ND	b)	ND	ND	c)	ND	ND	c)	ND
SUB TOTAL 2		0	0	0	0	0	0	0	0	0	0	ND
TOTAL VOCs ANALYZED		166	178.6	1097	477	1774	2715	3318	7054	6774	4902	

SAUGET Analytical Data
Area 1 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (UG/L)
Collected by Geraghty & Miller (11/83, 11/84)

Sample Number	GM-28C	GM-28C	GM-29	GM-29	GM-30	GM-30	GM-30	GM-31A	GM-31A	GM-4B	Maximum
Date Collected	11/85	2/86	9/84**	11/85	9/84**	11/85	2/86	2/85	5/85	9/84	Detected
VOC											Max
Acrolein	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND
Acrylonitrile	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND
Benzene	**516**	**470**	ND	ND	**735**	ND	ND	**20.9**	**461.8**	**36**	**735**
Bis (chloromethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	**5130**	**4890**	ND	ND	ND	ND	**7.14**	**8.4**	**6.4**	**15.1**	**5130**
Chlorodibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	**2**	ND	**12**	**11.2**	**9.24**	ND	ND	ND	**12**
Dichlorobromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Bromide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride	ND	ND	**8**	ND	ND	ND	ND	ND	ND	ND	**8**
Methylene Chloride	**178**	ND	ND	ND	**185**	ND	ND	ND	ND	**5.3**	**185**
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	**4.31**	ND	ND	ND	ND	**4.31**
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-trans-dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	**2**	ND	ND	**3.99**	ND	ND	ND	ND	**3.99**
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL	5824	5360	12	0	932	19.5	16.38	29.3	468.2	56.4	5824
Miscellaneous VOC											
Methyl-iso-butyl ketone	ND	ND	ND	ND	ND	**18**	ND	ND	ND	ND	**18**
Methyl isoamyl ketone	ND	ND	ND	ND	ND	**14.6**	ND	ND	ND	ND	**14.6**
m-xylene	ND	ND	ND	ND	c)	ND	ND	ND	ND	ND	ND
o-xylene/p-xylene	ND	ND	ND	ND	c)	ND	ND	ND	ND	ND	ND
SUB TOTAL 2	0	0	0	0	0	32.6	0	0	0	0	32.6
TOTAL VOCs ANALYZED	5824	5360	12	0	932	52.1	16.38	29.3	468.2	56.4	

SAUGET Analytical Data
Area 1 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (UG/L)
Collected by Geraghty & Miller (11/83, 11/84)

	Sample Number	GM-31A	GM-31B	GM-31B	GM-31B	GM-31B	GM-31C	GM-31C	GM-31C	GM-5	GM-6A	Maximum
	Date Collected	11/85*	2/85	5/85	11/85	11/85*	2/85	5/85	11/85	5/84	11/83	Detected
VOC												Max
Acrolein		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene		36.5	ND	15	ND	ND	79.4	75.2	25.9	27.1	2360	2360
Bis (chloromethyl)ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		12.5	8.2	132.6	ND	ND	437	487.6	495	511	6180	6180
Chlorodibromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	20.6	ND	ND	ND	ND	20.6
2-Chloroethylvinyl ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	12.9	ND	ND	ND	ND	12.9
Dichlorobromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	2100	2100
1,1-Dichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Bromide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride		ND	ND	ND	ND	ND	ND	ND	ND	102	1160	1160
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene		ND	ND	ND	ND	ND	ND	4.2	ND	ND	ND	4.2
Toluene		ND	ND	ND	ND	ND	ND	ND	ND	ND	1140	1140
1,2-trans-dichloroethylene		ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND	2.7
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride		ND	ND	ND	ND	ND	32.2	47.2	42.6	45.2	ND	47.2
SUB TOTAL		49	8.2	147.6	0	0	582.1	616.9	563.5	583.3	12940	
Miscellaneous VOC												
Methyl-iso-butyl ketone		ND	ND	ND	ND	ND	ND	ND	ND	ND	3170	3170
Methyl isoamyl ketone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m-xylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-xylene/p-xylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL 2		0	0	0	0	0	0	0	0	0	3170	3170
TOTAL VOCs ANALYZED		49	8.2	147.6	0	0	582.1	616.9	563.5	583.3	16110	

SAUGET Analytical Data
Area 1 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (UG/L)
Collected by Geraghty & Miller (11/83, 11/84)

	Sample Number	B-25A	B-25A	B-25B	B-25B	B-27B	B-27B	B-28A	B-29A	B-29A	B-29B	Maximum
	Date Collected	6/84	11/85	6/84	11/85	9/84**	9/84*	2/86	6/84	11/85	6/84	Detected
VOC												Max
Acrolein		ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND
Acrylonitrile		ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND
Benzene		ND	ND	51	ND	3420	7058	ND	18	ND	20	7058
Bis (chloromethyl)ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		8520	18900	9930	13100	4160	5320	1510	1970	1280	769	18900
Chlorodibromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		309	ND	42	ND	ND	ND	ND	ND	ND	ND	309
2-Chloroethylvinyl ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		77	ND	9	ND	ND	ND	ND	18	28.9	39	77
Dichlorobromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		10000	18500	1430	3510	ND	ND	ND	ND	ND	ND	18500
1,1-Dichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		11	ND	4	ND	ND	ND	ND	14	ND	33	33
Methyl Bromide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride		30	ND	29	ND	ND	ND	ND	ND	ND	ND	30
Methylene Chloride		204	ND	ND	ND	1740	8100	ND	50	ND	19	8100
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene		19	ND	15	ND	ND	ND	ND	ND	ND	ND	19
Toluene		316	736	269	ND	16200	18500	ND	195	532	225	18500
1,2-trans-dichloroethylene		ND	ND	2	ND	ND	ND	ND	ND	ND	ND	2
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene		7	ND	4	ND	ND	ND	ND	2	40.2	ND	40.2
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride		4	ND	7	ND	ND	ND	ND	ND	ND	ND	7
SUB TOTAL		462	38136	11792	16610	25520	39238	1510	2267	1881 1	1105	
Miscellaneous VOC												
Methyl-iso-butyl ketone		NA	ND	NA	ND	ND	40400	ND	NA	248	NA	40400
Methyl isoamyl ketone		NA	ND	NA	ND	ND	ND	ND	NA	ND	NA	ND
m-xylene		NA	ND	NA	ND	ND	ND	ND	NA	ND	NA	ND
o-xylene/p-xylene		NA	ND	NA	ND	ND	ND	ND	NA	ND	NA	ND
SUB TOTAL 2		NA	0	NA	0	0	40400	0	NA	248	0	40400
TOTAL VOCs ANALYZED		19497	38136	11792	16610	25520	79638	1510	2267	2129 1	1105	

SAUGET Analytical Data
Area 1 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (UG/L)
Collected by Geraghty & Miller (11/83, 11/84)

	Sample Number	B-29B	B-29B	B-29B	B-29B	B-30B	B-31B	B-31B	B-31C	B-31C	B-31C	Maximum
	Date Collected	6/84*	6/84*	11/84	11/85	9/84**	11/85	2/86	9/84**	11/85	2/86	Detected
VOC												Max
Acrolein		ND	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND
Acrylonitrile		ND	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND
Benzene		16	ND	ND	ND	176	ND	ND	ND	10.7	62.9	176
Bis (chloromethyl)ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		828	ND	1500	1710	2350	ND	ND	ND	104	483	2350
Chlorodibromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		38	ND	ND	48.7	64	ND	ND	3	ND	ND	64
Dichlorobromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		ND	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND
1,1-Dichloroethane		ND	ND	ND	ND	3	ND	ND	ND	ND	ND	3
1,2-Dichloroethane		ND	ND	ND	ND	142	ND	ND	ND	ND	ND	142
1,1-Dichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		30	ND	ND	ND	359	ND	ND	ND	ND	ND	359
Methyl Bromide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride		ND	57000	ND	ND	ND	ND	ND	ND	ND	ND	57000
Methylene Chloride		17	127000	ND	ND	48	ND	ND	6	ND	ND	127000
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene		ND	ND	ND	ND	940	ND	ND	ND	ND	ND	940
Toluene		227	ND	ND	491	228	ND	ND	1	ND	ND	491
1,2-trans-dichloroethylene		ND	ND	ND	ND	163	ND	ND	ND	ND	ND	163
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene		ND	ND	ND	ND	36	ND	ND	ND	ND	ND	36
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL		1156	184000	1500	2249.7	4509	0	0	10	114.7	545.7	
Miscellaneous VOC												
Methyl-iso-butyl ketone		NA	NA	ND	177	2640	ND	ND	ND	ND	ND	2640
Methyl isoamyl ketone		NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
m-xylene		NA	NA	ND	218	d)	ND	ND	ND	ND	ND	218
o-xylene/p-xylene		NA	NA	ND	146	d)	ND	ND	ND	ND	ND	146
SUB TOTAL 2		NA	NA	0	541	2640	0	0	0	0	0	2640
TOTAL VOCs ANALYZED		1156	184000	1500	2790.7	7149	0	0	10	114.7	545.7	

SAUGET Analytical Data
Area 1 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (UG/L)
Collected by Geraghty & Miller (11/83, 11/84)

	Sample Number	B-101	B-102	GM-106	GM-106	GM-106	P-1	P-2	P-2	P-6	P-6	Maximum
	Date Collected	9/84**	9/84**	11/85	2/86	2/86*	9/84**	6/84	11/85	6/84	11/85	Detected
VOC												Max
Acrolein		NA	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND
Acrylonitrile		NA	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND
Benzene		ND	**23**	ND	ND	ND	ND	**54**	**106**	**31**	**24.3**	**106**
Bis (chloromethyl)ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		**14400**	ND	**21.4**	**201**	ND	ND	**687**	**764**	**130**	**98.1**	**14400**
Chlorodibromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	**0.8**	ND	ND	ND	ND	ND	ND	ND	ND	**0.8**
Dichlorobromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		NA	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		ND	ND	ND	ND	ND	ND	**1**	ND	**1**	ND	**1**
Methyl Bromide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
Methylene Chloride		**400**	**2**	ND	ND	ND	**4**	**81**	ND	**99**	ND	**400**
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene		**1180**	**1**	**15**	**104**	ND	ND	**4**	ND	**5**	ND	**1180**
1,2-trans-dichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL		15980	26.8	36.4	305	0	4	827	870	266	122.4	
Miscellaneous VOC												
Methyl-iso-butyl ketone		ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND
Methyl isoamyl ketone		ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND
m-xylene		ND	ND	ND	**100**	ND	ND	NA	ND	NA	ND	**100**
o-xylene/p-xylene		ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND
SUB TOTAL 2		0	0	0	100	0	0	NA	0	NA	0	**100**
TOTAL VOCs ANALYZED		15980	26.8	36.4	405	0	4	827	870	266	122.4	

SAUGET Analytical Data
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GROUNDWATER SAMPLES
Volatile Organic Compounds (UG/L)
Collected by Geraghty & Miller (11/83, 11/84)

	Sample Number	P-7	P-7	P-8	P-8	P-10	P-11	P-12	P-13	P-13	P-13	Maximum
	Date Collected	6/84	11/85	6/84	11/85	9/84**	9/84**	9/84**	6/84	6/84*	6/84*	Detected
VOC												Max
Acrolein		ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND
Acrylonitrile		ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND
Benzene		2080	1080	162	531	132	113	560	61	60	ND	2080
Bis (chloromethyl)ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		4040	5110	585	2490	2000	842	690	81	75	ND	5110
Chlorodibromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		7	ND	ND	ND	ND	ND	ND	ND	ND	ND	7
Dichlorobromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		ND	700	ND	ND	ND	ND	ND	ND	ND	ND	700
1,1-Dichloroethylene		ND	ND	ND	ND	2	ND	ND	ND	ND	ND	2
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		12	ND	13	74.6	ND	5	32	16	ND	ND	74.6
Methyl Bromide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	138000	138000
Methylene Chloride		68	ND	19	ND	41	21	42	33	26	37100	37100
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene		322	ND	56	ND	24	10	19	5	4	19200	19200
1,2-trans-dichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL		6529	7620	835	3095 6	2199	991	1343	196	165	194300	
Miscellaneous VOC												
Methyl-iso-butyl ketone		NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	ND
Methyl isoamyl ketone		NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	ND
m-xylene		NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	ND
o-xylene/p-xylene		NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	ND
SUB TOTAL 2		NA	0	NA	0	0	0	0	NA	NA	NA	ND
TOTAL VOCs ANALYZED		6529	7620	835	3095 6	2199	991	1343	196	165	194300	

SAUGET Analytical Data
Area 1 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (UG/L)
Collected by Geraghty & Miller (11/83, 11/84)

	Sample Number	P-13	P-14	P-14	DW-1	DW-1	DW-4	DW-7	DW-7	DW-10	DW-18	Maximum
	Date Collected	11/85	6/84	11/85	9/84**	11/85	9/84**	11/85	2/86	9/84**	9/84**	Detected
VOC												Max
Acrolein		ND	ND	ND	NA	ND	NA	ND	ND	NA	NA	ND
Acrylonitrile		ND	ND	ND	NA	ND	NA	ND	ND	NA	NA	ND
Benzene		**89.4**	**269**	ND	**23400**	**157000**	**940**	**6.9**	ND	**6240**	ND	**157000**
Bis (chloromethyl)ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		**265**	**23480**	**16000**	**6600**	**35700**	**11040**	**183**	**1080**	**9960**	ND	**35700**
Chlorodibromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	ND	**2.3**	ND	ND	ND	**2.3**
Dichlorobromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		ND	ND	ND	NA	ND	NA	ND	ND	NA	NA	ND
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		ND	**4**	ND	ND	ND	ND	ND	ND	**200**	ND	**200**
Methyl Bromide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride		ND	**53**	ND	**2020**	ND	**2140**	**5**	ND	**2380**	**5**	**2380**
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene		ND	**6**	ND	ND	ND	ND	**8.5**	ND	ND	ND	**8.5**
1,2-trans-dichloroethylene		ND	ND	ND	ND	ND	ND	**7.4**	ND	ND	ND	**7.4**
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL		354 4	23812	16000	32020	192700	14120	213.1	1080	18780	5	
Miscellaneous VOC												
Methyl-iso-butyl ketone		ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isoamyl ketone		ND	NA	ND	ND	ND	ND	**42.4**	ND	ND	ND	**42.4**
m-xylene		ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-xylene/p-xylene		ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL 2		0	NA	0	0	0	0	42.4	0	0	0	42 4
TOTAL VOCs ANALYZED		354 4	23812	16000	32020	192700	14120	255 5	1080	18780	5	

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GROUNDWATER SAMPLES
Volatile Organic Compounds (UG/L)
Collected by Geraghty & Miller (11/83, 11/84)

	Sample Number	DW-18	DW-18	DW-23	DW-24	DW-29	DW-29	DW-30	DW-33	DW-34	DW-34	Maximum
	Date Collected	9/84*	11/85	9/84**	9/84**	9/84**	9/84**	11/85	9/84**	9/84**	11/85	Detected
VOC												Max
Acrolein		NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	ND
Acrylonitrile		NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	ND
Benzene		ND	**184**	ND	ND	ND	ND	**22.7**	ND	**596000**	**867**	**596000**
Bis (chloromethyl)ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
Chlorobenzene		ND	**980**	ND	ND	**32**	**760**	**149**	ND	**366**	**18**	**980**
Chlorodibromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
Dichlorobromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	ND
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		ND	ND	**2**	ND	**3**	ND	ND	ND	ND	ND	3
1,1-Dichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		ND	**15.5**	ND	ND	ND	ND	ND	ND	ND	ND	**15.5**
Methyl Bromide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride		ND	ND	ND	ND	ND	ND	ND	ND	**4060**	ND	4060
Methylene Chloride		**4**	ND	**3**	**6**	**3**	**525**	ND	**9**	ND	ND	**525**
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene		**2**	**16.4**	**1**	ND	ND	ND	ND	ND	**1280**	ND	**1280**
1,2-trans-dichloroethylene		ND	**4**	ND	ND	ND	ND	ND	ND	**129**	ND	129
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL		6	1199.9	6	6	38	1285	171.7	9	601835	885	
Miscellaneous VOC												
Methyl-iso-butyl ketone		NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
Methyl isoamyl ketone		NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
m-xylene		NA	ND	e)	ND	ND	NA	ND	ND	ND	ND	**ND**
o-xylene/p-xylene		NA	ND	e)	ND	ND	NA	ND	ND	ND	ND	**ND**
SUB TOTAL 2		NA	0	0	0	0	NA	0	0	0	0	**ND**
TOTAL VOCs ANALYZED		6	1199.9	6	6	38	1285	171.7	9	601835	885	

SAUGET Analytical Data
Area 1 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (UG/L)
Collected by Geraghty & Miller (11/83, 11/84)

Sample Number	DW-34	DW-1-85	DW-1-85	BK-3	BK-3	BK-3	WB-6	WB-6	WB-6	WB-7	Maximum
Date Collected	2/86	11/85	2/86	9/84**	11/85	2/86	9/84**	11/85	2/86	9/84	Detected
VOC											Max
Acrolein	ND	ND	ND	NA	ND	ND	NA	ND	ND	NA	ND
Acrylonitrile	ND	ND	ND	NA	ND	ND	NA	ND	ND	NA	ND
Benzene	**623**	**1700**	**472**	**208**	**3980**	ND	ND	**31.1**	ND	**0.5**	**3980**
Bis (chloromethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	**6.6**	**6680**	**3650**	**1172**	**4610**	**972**	ND	ND	**210**	**150**	**6680**
Chlorodibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorobromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	NA	ND	ND	NA	ND	ND	NA	ND
1,1-Dichloroethane	ND	ND	**50.6**	ND	ND	ND	ND	ND	ND	ND	**50.6**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	**192**	ND	ND	ND	ND	ND	ND	ND	**192**
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	**7**	ND	ND	ND	**15**	ND	ND	**15**
Methyl Bromide	ND	ND	ND	**8**	ND	ND	ND	ND	ND	ND	**8**
Methyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	**8.3**	ND	ND	**55**	ND	**5**	ND	**29**	ND	**55**
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	**2**	ND	ND	ND	ND	**107**	ND	**107**
1,2-trans-dichloroethylene	ND	ND	**202**	ND	ND	ND	ND	ND	ND	ND	**202**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	**96.2**	ND	ND	ND	ND	ND	ND	ND	**96.2**
SUB TOTAL	629 6	8388.3	4662 8	1397	8645	972	5	46 1	346	150 5	
Miscellaneous VOC											
Methyl-iso-butyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isoamyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m-xylene	ND	ND	ND	ND	ND	ND	ND	**12.3**	**105**	ND	**105**
o-xylene/p-xylene	ND	ND	ND	ND	ND	ND	ND	**19.5**	ND	ND	**19.5**
SUB TOTAL 2	0	0	0	0	0	0	0	31 8	105	0	105
TOTAL VOCs ANALYZED	629.6	8388 3	4662 8	1397	8645	972	5	77 9	451	150.5	

SAUGET Analytical Data
Area 1 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (UG/L)
Collected by Geraghty & Miller (11/83, 11/84)

Sample Number	WB-7	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	TRIP BLANK	Maximum
Date Collected	11/85	6/84	9/84	9/84	11/84	2/85	5/85	11/85	2/86	5/84	Detected
VOC											Max
Acrolein	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	**28**	ND	ND	ND	ND	ND	**28**
Bis (chloromethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	**53**	**1**	**24**	ND	ND	ND	ND	ND	**53**
Chlorodibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorobromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	**1**	ND	ND	ND	ND	ND	ND	ND	1
Methyl Bromide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	**20**	**39**	15	ND	ND	**3.8**	ND	**6.5**	**53**	**53**
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	**3**	**1**	ND	ND	ND	ND	ND	ND	**2**	**3**
1,2-trans-dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL	0	23	94	16	52	0	3.8	0	6.5	55	
Miscellaneous VOC											
Methyl-iso-butyl ketone	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Methyl isoamyl ketone	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
m-xylene	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
o-xylene/p-xylene	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
SUB TOTAL 2	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
TOTAL VOCs ANALYZED	0	23	94	16	52	0	3.8	0	6.5	55	

SAUGET Analytical Data
Area 1 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (UG/L)
Collected by Geraghty & Miller (11/83, 11/84)

	Sample Number	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK		Maximum
	Date Collected	6/84	9/84	9/84	9/84	11/84	2/85	5/85	11/85	2/86		Detected
VOC												Max
Acrolein		NA	NA	NA	NA	ND	ND	ND	ND	NA		ND
Acrylonitrile		NA	NA	NA	NA	ND	ND	ND	ND	NA		ND
Benzene		ND	1	31	30	ND	ND	ND	ND	NA		31
Bis (chloromethyl)ether		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
Carbon Tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
Chlorobenzene		2	ND	ND	ND	ND	ND	ND	ND	NA		2
Chlorodibromomethane		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
Chloroethane		ND	4	ND	ND	ND	ND	ND	ND	NA		4
2-Chloroethylvinyl ether		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
Chloroform		ND	2	ND	ND	ND	ND	ND	ND	NA		2
Dichlorobromomethane		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
Dichlorodifluoromethane		NA	NA	NA	NA	ND	ND	ND	ND	NA		ND
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
1,1-Dichloroethylene		ND	4	2	2	ND	ND	ND	ND	NA		4
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
cis-1,3-Dichloropropylene		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
trans-1,3-Dichloroproy;ene		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
Methyl Bromide		ND	3	ND	ND	ND	ND	ND	ND	NA		3
Methyl Chloride		ND	5	ND	ND	ND	ND	ND	ND	NA		5
Methylene Chloride		18	ND	44	32	ND	4	3.4	ND	NA		44
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
Tetrachloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
Toluene		3	1	1	1	ND	ND	ND	ND	NA		3
1,2-trans-dichloroethylene		ND	2	ND	ND	ND	ND	ND	ND	NA		2
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
Trichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
Vinyl Chloride		ND	6	ND	ND	ND	ND	ND	ND	NA		6
SUB TOTAL		23	158	78	65	0	4	3.4	0	NA		
Miscellaneous VOC												
Methyl-iso-butyl ketone		NA	NA	NA	NA	NA	NA	NA	NA	NA		ND
Methyl isoamyl ketone		NA	NA	NA	NA	NA	NA	NA	NA	NA		ND
m-xylene		NA	NA	NA	NA	NA	NA	NA	NA	NA		ND
o-xylene/p-xylene		NA	NA	NA	NA	NA	NA	NA	NA	NA		ND
SUB TOTAL 2		NA	NA	NA	NA	NA	NA	NA	NA	NA		ND
TOTAL VOCs ANALYZED		23	158	78	65	0	4	3.4	0	0		