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Part B - 6.0

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153675

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APPLICATION

MONSANTO

W. G. KRUMMRICH PLANT

SAUGET, ILLINOIS

VOLUME 2

APPENDICES 1 - 14

JUNE 1991

Table [illegible] Summary of Volatile Organic Compounds in Ground Water, Chemtron Plant, Bayport [illegible]

Well Number:	GM-4B	GM-4B	GM-4B	GM-4C	GM-4C	GM-4C	GM-4C	GM-4C	GM-4C	GM-4C
Date:	11/88	5/89	11/89	12/86	5/87	11/87	5/88	11/88	5/89	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<100	<1000	<10000	<100	<5,000	<1000	<100	<100	<1000	<10000
Acrylonitrile	<100	<1000	<10000	<100	<5,000	<1000	<100	<100	<1000	<10000
Benzene [illegible]	13.2	127	<440	<4.4	<220	<44	<4.4	<4.4	290	693
Bis (chloromethyl) ether	<10	<100	<1000	<10	<500	<100	<10	<10	<100	<1000
Bromoform	<4.7	<47	<470	<4.7	<240	<47	<4.7	<4.7	<47	<470
Carbon tetrachloride	<2.8	<28	<280	<2.8	<140	<28	<2.8	<2.8	<28	<280
Chlorobenzene	<6.0	3,510	8,120	<6	1,770	2,490	<6.0	71.6	5,440	14,700
Chlorodibromomethane	<3.1	<31	<310	<3.1	<160	<31	<3.1	<3.1	<31	<310
Chloroethane	<10	<100	<1000	<10	<500	<100	<10	<10	<100	<1000
2-Chloroethylvinyl ether	<10	<100	<1000	<10	<500	<100	<10	<10	<100	<1000
Chloroform	<1.6	<16	<160	<1.6	<80	46	<1.6	<1.6	<16	<160
Dichlorobromomethane	<2.2	<22	<220	<2.2	<110	<22	<2.2	<2.2	<22	<220
Dichlorodifluoromethane	<10	<100	<1000	<10	<500	<100	<10	<10	<100	<1000
1,1-Dichloroethane	<4.7	<47	<470	<4.7	<240	<47	<4.7	<4.7	<47	<470
1,2-Dichloroethane	<2.8	<28	<280	<2.8	<140	<28	<2.8	<2.8	<28	<280
1,1-Dichloroethylene	<2.8	<28	<280	<2.8	<140	<28	<2.8	<2.8	<28	<280
1,2-Dichloropropane	<6.0	<60	<600	<6	<300	<60	<6.0	<6.0	<60	<600
cis-1,3-Dichloropropylene	<5.0	<50	<500	<5	<250	<50	<5.0	<5.0	<50	<500
Ethylbenzene	<7.2	<72	<720	<7.2	<360	<72	<7.2	<7.2	<72	<720
Methyl bromide	<10	<100	<1000	<10	<500	<100	<10	<10	<100	<1000
Methyl chloride	<10	<100	<1000	<10	<500	<100	<10	<10	<100	<1000
Methylene chloride	<2.8	<28	<280	<2.8	203	<28	38.4	<2.8	60.5	455
1,1,2,2-Tetrachloroethane	<6.9	<69	<690	<6.9	<350	<69	<6.9	<6.9	<69	<690
Tetrachloroethylene	<4.1	<41	<410	<4.1	<210	<41	<4.1	<4.1	<41	<410
Toluene	<6.0	<60	<600	<6	<300	<60	<6	<6	<60	<600
1,2-trans-Dichloroethylene	<1.6	<16	<160	<1.6	<80	<16	<1.6	<1.6	<16	<160
1,1,1-Trichloroethane	<3.8	<38	<380	<3.8	<190	<38	<3.8	<3.8	<38	<380
1,1,2-Trichloroethane	<5.0	<50	<500	<5	<250	<50	<5	<5	<50	<500
Trichloroethylene	<1.9	<19	<190	<1.9	<95	<19	<1.9	<1.9	<19	<190
Trichlorofluoromethane	<10	<100	<1000	<10	<500	<100	<10	<10	<100	<1000
Vinyl chloride	<10	<100	<1000	<10	<500	<100	<10	<10	<100	<1000
trans-1,3-Dichloropropylene	<10	<100	<1000	<10	<500	<100	<10	<10	<100	<1000
Sub Total 1	13	3,637		0	1,973	2,536	38	72	5,791	15,848
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA		NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA		NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA		NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA		NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA		NA	NA	NA	NA	NA	NA	NA
Methyl-iso-butyl ketone	NA	NA		NA	NA	NA	NA	NA	NA	NA
Methyl isoamyl ketone	NA	NA		NA	NA	NA	NA	NA	NA	NA
m-Xylene	NA	NA		NA	NA	NA	NA	NA	NA	NA
o-Xylene/p-Xylene	NA	NA		NA	NA	NA	NA	NA	NA	NA
Sub Total 2	0	0		0	0	0	0	0	0	0
Total VOCs Analyzed	13	3,637		0	1,973	2,536	38	72	5,791	15,848

Table [illegible]. Summary of Volatile Organic Compounds in Ground Water, Bramman Point, Bagot [illegible]

Well Number:	GM-4A	GM-4A	GM-4A	GM-4A	GM-4A	GM-4A	GM-4B	GM-4B	GM-4B	GM-4B
Date:	12/86	5/87	11/87	5/88	11/88	11/89	12/86	5/87	11/87	5/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L ppb										
Acrolein	<100	<100	<100	<100	<100	<100	<100	<5,000	<500	<100
Acrylonitrile	<100	<100	<100	<100	<100	<100	<100	<5,000	<500	<100
Benzene	<4.4	<4.4	<4.4	<4.4	<4.4	4.84	<4.4	<220	31.9	<4.4
Bis (chloromethyl) ether	<10	<10	<10	<10	<10	<10	<10	<500	<50	<10
Bromoform	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<240	<24	<4.7
Carbon tetrachloride	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<140	<14	<2.8
Chlorobenzene	<6	<6.0	<6.0	<6.0	<6.0	20.7	<6	3,050	1,990	<6.0
Chlorodibromomethane	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<160	<15	<3.1
Chloroethane	<10	<10	<10	<10	<10	<10	<10	<500	<50	<10
2-Chloroethylvinyl ether	<10	<10	<10	<10	<10	<10	<10	<500	<50	<10
Chloroform	<1.6	<1.6	<1.6	1.9	<1.6	<1.6	<1.6	<80	<8.0	2.0
Dichlorobromomethane	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<110	<11	<2.2
Dichlorodifluoromethane	<10	<10	<10	<10	<10	<10	<10	<500	<50	<10
1,1-Dichloroethane	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<240	<24	<4.7
1,2-Dichloroethane	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<140	<14	<2.8
1,1-Dichloroethylene	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<140	<14	<2.8
1,2-Dichloropropane	<6	<6	<6.0	<6.0	<6.0	<6.0	<6	<300	<30	<6.0
cis-1,3-Dichloropropylene	<5	<5	<5.0	<5.0	<5.0	<5.0	<5	<250	<25	<5.0
Ethylbenzene	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<360	<36	<7.2
Methyl bromide	<10	<10	<10	<10	<10	<10	<10	<500	<50	<10
Methyl chloride	<10	<10	<10	<10	<10	<10	<10	<500	<50	<10
Methylene chloride	<2.8	41.5	3.23	13.2	13.6	3.71	<2.8	208	<14	64.9
1,1,2,2-Tetrachloroethane	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<350	<35	<6.9
Tetrachloroethylene	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<210	<21	<4.1
Toluene	<6	<6	<6.0	<6.0	<6.0	<6.0	<6	<300	<30	<6.0
1,2-trans-Dichloroethylene	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<80	<8.0	<1.6
1,1,1-Trichloroethane	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<190	<19	<3.8
1,1,2-Trichloroethane	<5	<5	<5.0	<5.0	<5.0	<5.0	<5	<250	<25	<5.0
Trichloroethylene	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<95	<9.5	<1.9
Trichlorofluoromethane	<10	<10	<10	<10	<10	<10	<10	<500	<50	<1
Vinyl chloride	<10	<10	<10	<10	<10	<10	<10	<500	<50	<1
trans-1,3-Dichloropropylene	<10	<10	<10	<10	<10	<10	<10	<500	<50	<1
Sub Total 1	0	42	3	15	14	29	0	3,258	2,022	4
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl-iso-butyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl isoamyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	
m-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	
o-Xylene/p-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sub Total 2	0	0	0	0	0	0	0	0	0	
Total VOCs Analyzed ppm	0	42	3	15	14	29	0	3,258	2,022	

Table 1 Summary of Volatile Organic Compounds in Drums Water, Krummrich Plant, Hanover, Illinois

Well Number:	GM-9A	GM-9A	GM-9A	GM-9A	GM-9A	GM-9A	GM-93	GM-93	GM-93	GM-93
Date:	12/86	5/87	11/87	5/88	11/88	11/89	12/86	5/87	11/87	5/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<1,000	<100	<100	<100	<100	<100	<100	<100	<100	<500
Acrylonitrile	<1,000	<100	<100	<100	<100	<100	<100	<100	<100	<500
Benzene	74.4	8.6	<4.4	<4.4	<4.4	<4.4	<4.4	10.8	11.9	<22
Bis (chloromethyl) ether	<100	<10	<10	<10	<10	<10	<10	<10	<10	<50
Bromoform	<47	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<24
Carbon tetrachloride	<28	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<14
Chlorobenzene	<60	138	<6.0	<6.0	<6.0	<6.0	<6	96.6	130.0	248
Chlorodibromomethane	<31	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<15
Chloroethane	<100	<10	<10	<10	<10	<10	<10	<10	<10	<50
2-Chloroethylvinyl ether	<100	<10	<10	<10	<10	<10	<10	<10	<10	<50
Chloroform	<16	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<8.0
Dichlorobromomethane	<22	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<11
Dichlorodifluoromethane	<100	<10	<10	<10	<10	<10	<10	<10	<10	<50
1,1-Dichloroethane	<47	6.2	<4.7	<4.7	<4.7	<4.7	<4.7	34.6	31.1	<24
1,2-Dichloroethane	<28	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<14
1,1-Dichloroethylene	<28	7.1	<2.8	<2.8	<2.8	<2.8	<2.8	13.5	5.94	<14
1,2-Dichloropropane	<60	<6	<6.0	<6.0	<6.0	<6.0	<6	<6	<6.0	<30
cis-1,3-Dichloropropylene	<50	<5	<5.0	<5.0	<5.0	<5.0	<5	<5	<5.0	<25
Ethylbenzene	<72	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<36
Methyl bromide	<100	<10	<10	<10	<10	<10	<10	<10	<10	<50
Methyl chloride	<100	<10	<10	<10	<10	<10	<10	<10	<10	<50
Methylene chloride	<28	<2.8	11.6	7.4	5.46	<2.8	<2.8	<2.8	<2.8	39.3
1,1,2,2-Tetrachloroethane	<69	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<35
Tetrachloroethylene	<41	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<21
Toluene	<60	<6	<6.0	<6.0	<6.0	<6.0	<6	<6	<6.0	<30
1,2-trans-Dichloroethylene	<16	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	146	110	22.6
1,1,1-Trichloroethane	<38	112	<3.8	<3.8	5.92	4.46	<3.8	8.4	<3.8	<19
1,1,2-Trichloroethane	<50	<5	<5.0	<5.0	<5.0	<5.0	<5	<5	<5.0	<25
Trichloroethylene	<19	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<9.5
Trichlorofluoromethane	<100	<10	<10	<10	<10	<10	<10	<10	<10	<50
Vinyl chloride	<100	<10	<10	<10	<10	<10	<10	22.8	13.9	<50
trans-1,3-Dichloropropylene	<100	<10	<10	<10	<10	<10	<10	<10	<10	<50
Sub Total 1	74	272	12	7	11	4	0	333	303	310
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	0	0	0	0	0	0	0	0	0	0
Total VOCs Analyzed	74	272	12	7	11	4	0	333	303	310

Table [illegible] Summary of Volatile Organic Compounds in Drinking Water Grumman Plant [illegible]

Well Number:	GM-9B	GM-9B	GM-9C	GM-9C	GM-9C	GM-9C	GM-9C	GM-9C	GM-10A	GM-10A
Date:	11/88	11/89	12/86	5/87	11/87	5/88	11/88	11/89	12/86	5/87
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Acrylonitrile	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Benzene	7.66	5.60	<4.4	30.9	11.9	<4.4	22.5	5.43	<4.4	<4.4
Bis (chloromethyl) ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Bromoform	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7
Carbon tetrachloride	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
Chlorobenzene	187	124	17.9	636.0	214.0	<6.0	139	56.9	<6	<6
Chlorodibromomethane	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1
Chloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Chloroethylvinyl ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Chloroform	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Dichlorobromomethane	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
Dichlorodifluoromethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,1-Dichloroethane	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7
1,2-Dichloroethane	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
1,1-Dichloroethylene	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
1,2-Dichloropropane	<6	<6.0	<6	<6	<6.0	<6.0	<6	<6.0	<6	<6
cis-1,3-Dichloropropylene	<5	<5.0	<5	<5	<5.0	<5.0	<5	<5.0	<5	<5
Ethylbenzene	<7.2	<7.2	<7.2	10.7	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2
Methyl bromide	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methyl chloride	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene chloride	7.84	<2.8	<2.8	<2.8	9.40	34.5	8.14	<2.8	<2.8	<2.8
1,1,2,2-Tetrachloroethane	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9
Tetrachloroethylene	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1
Toluene	<6	<6.0	<6	<6	10.8	<6.0	<6	<6.0	<6	<6
1,2-trans-Dichloroethylene	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
1,1,1-Trichloroethane	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8
1,1,2-Trichloroethane	<5	<5.0	<5	<5	<5.0	<5.0	<5	<5.0	<5	<5
Trichloroethylene	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Trichlorofluoromethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl chloride	73.8	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,3-Dichloropropylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sub Total 1	276	130	18	678	246	35	170	62	0	0
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	0	0	0	0	0	0	0	0	0	0
Total VOCs Analyzed	276	130	18	678	246	35	170	62	0	0

Table [illegible] Summary of Volatile Organic Compounds in Ground Water Kennecott Plant Badger [illegible]

Well Number:	GM-10A	GM-10A	GM-10A	GM-10A	GM-10B	GM-10B	GM-10B	GM-10B	GM-10B	GM-10B
Date:	11/87	5/88	11/88	11/89	12/86	5/87	11/87	5/88	11/88	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<100	<100	<100	<100	<1,000	<100	<100	<100	<100	<1000
Acrylonitrile	<100	<100	<100	<100	<1,000	<100	<100	<100	<100	<1000
Benzene	<4.4	<4.4	<4.4	<4.4	<44	<4.4	13.1	<4.4	<4.4	<44
Bis (chloromethyl) ether	<10	<10	<10	<10	<100	<10	<10	<10	<10	<100
Bromoform	<4.7	<4.7	<4.7	<4.7	<47	<4.7	<4.7	<4.7	<4.7	<47
Carbon tetrachloride	<2.8	<2.8	<2.8	<2.8	<28	<2.8	<2.8	<2.8	<2.8	<28
Chlorobenzene	<6.0	<6.0	<6.0	<6.0	299	<6	616	<6.0	<6.0	502
Chlorodibromomethane	<3.1	<3.1	<3.1	<3.1	<31	<3.1	<3.1	<3.1	<3.1	<31
Chloroethane	<10	<10	<10	<10	<100	<10	<10	<10	<10	<100
2-Chloroethylvinyl ether	<10	<10	<10	<10	<100	<10	<10	<10	<10	<100
Chloroform	<1.6	<1.6	<1.6	<1.6	<16	<1.6	<1.6	1.7	<1.6	<16
Dichlorobromomethane	<2.2	<2.2	<2.2	<2.2	<22	<2.2	<2.2	<2.2	<2.2	<22
Dichlorodifluoromethane	<10	<10	<10	<10	<100	<10	<10	<10	<10	<100
1,1-Dichloroethane	<4.7	<4.7	<4.7	<4.7	<47	<4.7	<4.7	<4.7	<4.7	<47
1,2-Dichloroethane	<2.8	<2.8	<2.8	<2.8	<28	<2.8	<2.8	<2.8	<2.8	<28
1,1-Dichloroethylene	<2.8	<2.8	<2.8	<2.8	<28	<2.8	<2.8	<2.8	<2.8	<28
1,2-Dichloropropane	<6.0	<6.0	<6.0	<6.0	<60	<6	<6.0	<6.0	<6.0	<60
cis-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	<50	<5	<5.0	<5.0	<5.0	<50
Ethylbenzene	<7.2	<7.2	<7.2	<7.2	<72	<7.2	<7.2	<7.2	<7.2	<72
Methyl bromide	<10	<10	<10	<10	<100	<10	<10	<10	<10	<100
Methyl chloride	<10	<10	<10	<10	<100	<10	<10	<10	<10	<100
Methylene chloride	<2.8	37.2	7.09	<2.8	<28	5	<2.8	35.1	7.19	<28
1,1,2,2-Tetrachloroethane	<6.9	<6.9	<6.9	<6.9	<69	<6.9	<6.9	<6.9	<6.9	<69
Tetrachloroethylene	<4.1	<4.1	<4.1	<4.1	<41	<4.1	<4.1	<4.1	<4.1	<41
Toluene	<6.0	<6.0	<6.0	<6.0	<60	<6	<6.0	<6.0	<6.0	<60
1,2-trans-Dichloroethylene	<1.6	<1.6	<1.6	<1.6	<16	<1.6	<1.6	<1.6	<1.6	<16
1,1,1-Trichloroethane	<3.8	<3.8	<3.8	<3.8	<38	<3.8	<3.8	<3.8	<3.8	<38
1,1,2-Trichloroethane	<5.0	<5.0	<5.0	<5.0	<50	<5	<5.0	<5.0	<5.0	<50
Trichloroethylene	<1.9	<1.9	<1.9	<1.9	<19	<1.9	<1.9	<1.9	<1.9	<19
Trichlorofluoromethane	<10	<10	<10	<10	<100	<10	<10	<10	<10	<100
Vinyl chloride	<10	<10	<10	<10	<100	<10	<10	<10	<10	<100
trans-1,3-Dichloropropylene	<10	<10	<10	<10	<100	<10	<10	<10	<10	<100
Sub Total 1	0	37	7	0	299	5	629	37	7	502
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	0	0	0	0	0	0	0	0	0	0
Total VOCs Analyzed	0	37	7	0	299	5	629	37	7	502

Table . Summary of Volatile Organic Compounds in Ground Water, Ammonia Plant Target Compounds

Well Number:	GM-10C	GM-10C	GM-10C	GM-10C	GM-10C	GM-10C	GM-12A	GM-12A	GM-12A	GM-12A
Date:	12/86	5/87	11/87	5/88	11/88	11/89	12/86	12/86*	5/87	5/87*
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<100	<100	<100	<100	<100	<100	<1,000	<1,000	<1,000	<1,000
Acrylonitrile	<100	<100	<100	<100	<100	<100	<1,000	<1,000	<1,000	<1,000
Benzene	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	957	632	428	545
Bis (chloromethyl) ether	<10	<10	<10	<10	<10	<10	<100	<100	<100	<100
Bromoform	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<47	<47	<47	<47
Carbon tetrachloride	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<28	<28	<28	<28
Chlorobenzene	23.4	38.9	42.8	38.4	42.7	752.0	560	377	261	334
Chlorodibromomethane	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<31	<31	<31	<31
Chloroethane	<10	<10	<10	<10	<10	<10	<100	<100	<100	<100
2-Chloroethylvinyl ether	<10	<10	<10	<10	<10	<10	<100	<100	<100	<100
Chloroform	<1.6	<1.6	<1.6	1.8	<1.6	<1.6	<16	<16	<16	<16
Dichlorobromomethane	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<22	<22	<22	<22
Dichlorodifluoromethane	<10	<10	<10	<10	<10	<10	<100	<100	<100	<100
1,1-Dichloroethane	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<47	<47	<47	<47
1,2-Dichloroethane	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<28	<28	<28	<28
1,1-Dichloroethylene	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<28	<28	<28	<28
1,2-Dichloropropane	<6	<6	<6.0	<6.0	<6.0	<6.0	<60	<60	<60	<60
cis-1,3-Dichloropropylene	<5	<5	<5.0	<5.0	<5.0	<5.0	<50	<50	<50	<50
Ethylbenzene	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<72	<72	<72	<72
Methyl bromide	<10	<10	<10	<10	<10	<10	<100	<100	<100	<100
Methyl chloride	<10	<10	<10	<10	<10	<10	<100	<100	<100	<100
Methylene chloride	14.4	17.4	6.64	8.0	<2.8	<2.8	66	80	67.4	64
1,1,2,2-Tetrachloroethane	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<69	<69	<69	<69
Tetrachloroethylene	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<41	<41	<41	<41
Toluene	<6	<6	48.7	<6.0	<6.0	<6.0	<60	<60	<60	<60
1,2-trans-Dichloroethylene	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<16	<16	<16	<16
1,1,1-Trichloroethane	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<38	<38	<38	<38
1,1,2-Trichloroethane	<5	<5	<5.0	<5.0	<5.0	<5.0	<50	<50	<50	<50
Trichloroethylene	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<19	<19	<19	<19
Trichlorofluoromethane	<10	<10	<10	<10	<10	<10	<100	<100	<100	<100
Vinyl chloride	<10	<10	<10	<10	<10	<10	<100	<100	<100	<100
trans-1,3-Dichloropropylene	<10	<10	<10	<10	<10	<10	<100	<100	<100	<100
Sub Total 1	38	56	98	48	43	752	1,583	1,089	756	943
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-iso-butyl ketone	NA	NA	NA	NA	NA	NA	<100	<100	<100	<100
Methyl isoamyl ketone	NA	NA	NA	NA	NA	NA	<100	<100	<100	<100
m-Xylene	NA	NA	NA	NA	NA	NA	<100	<100	<100	<100
o-Xylene/p-Xylene	NA	NA	NA	NA	NA	NA	<100	<100	<100	<100
Sub Total 2	0	0	0	0	0	0	0	0	0	0
Total VOCs Analyzed	38	56	98	48	43	752	1,583	1,089	756	943

Table 1 Summary of Volatile Organic Compounds in Ground Water, Grumman Plant Bethpage, [illegible]

Well Number:	GM-12A	GM-12A	GM-12A	GM-12A	GM-12A	GM-12A	GM-12A	GM-12A	GM-12A	GM-12A
Date:	11/87	11/87*	5/88	5/88*	11/88	11/88 *	11/88	5/89	5/89 *	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	SL	ETC	ETC	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<500	<500	<1,000	<1,000	<1,000	<1,000	<500	<1000	<1000	<2000
Acrylonitrile	<500	<500	<1,000	<1,000	<1,000	<1,000	<500	<1000	<1000	<2000
Benzene	817	597	587	583	674	613	410	752	678	559
Bis (chloromethyl) ether	<50	<50	<100	<100	<100	<100	<100	<100	<100	<200
Bromoform	<24	<24	<47	<47	<47	<47	<50	<47	<47	<94
Carbon tetrachloride	<14	<14	<28	<28	<28	<28	<50	<28	<28	<56
Chlorobenzene	283	243	276	251	179	162	130	96.5	93.0	<120
Chlorodibromomethane	<16	<16	<31	<31	<31	<31	<50	<31	<31	<62
Chloroethane	<50	<50	<100	<100	<100	<100	<100	<100	<100	<200
2-Chloroethylvinyl ether	<50	<50	<100	<100	<100	<100	<50	<100	<100	<200
Chloroform	<8.0	<8.0	<16	<16	<16	<16	<50	<16	<16	<32
Dichlorobromomethane	<11	<11	<22	<22	<22	<22	<50	<22	<22	<44
Dichlorodifluoromethane	<50	<50	<100	<100	<100	<100	<100	<100	<100	<200
1,1-Dichloroethane	<24	<24	<47	<47	<47	<47	<50	<47	<47	<94
1,2-Dichloroethane	<14	<14	<28	<28	<28	<28	<50	<28	<28	<56
1,1-Dichloroethylene	<14	<14	<28	<28	<28	<28	<50	<28	<28	<56
1,2-Dichloropropane	<30	<30	<60	<60	<60	<60	<50	<60	<60	<120
cis-1,3-Dichloropropylene	<36	<25	<50	<50	<50	<50	<50	<50	<50	<100
Ethylbenzene	<50	<36	<72	<72	<72	<72	<50	<72	<72	<140
Methyl bromide	<50	<50	<100	<100	<100	<100	<100	<100	<100	<200
Methyl chloride	<50	<50	<100	<100	<100	<100	<100	<100	<100	<200
Methylene chloride	<14	18.8	120	101	49.3	263	<50	40.9	39.0	126
1,1,2,2-Tetrachloroethane	<35	<35	<69	<69	<69	<69	<50	<69	<69	<140
Tetrachloroethylene	<21	<21	<41	<41	<41	<41	<50	<41	<41	<82
Toluene	<30	<30	<60	<60	<60	<60	<50	<60	<60	<120
1,2-trans-Dichloroethylene	<8.0	<8.0	<16	<16	<16	<16	<50	<16	<16	<32
1,1,1-Trichloroethane	<19	<19	<38	<38	<38	<38	<50	<38	<38	<76
1,1,2-Trichloroethane	<25	<25	<50	<50	<50	<50	<50	<50	<50	<100
Trichloroethylene	<9.5	<9.5	<19	<19	<19	<19	<50	<19	<19	43.5
Trichlorofluoromethane	<50	<50	<100	<100	<100	<100	<50	<100	<100	<200
Vinyl chloride	<50	<50	<100	<100	<100	<100	<100	<100	<100	<200
trans-1,3-Dichloropropylene	<50	<50	<100	<100	<100	<100	<50	<100	<100	<200
Sub Total 1	1,100	859	983	935	902	1,038	540	889	810	729
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-iso-butyl ketone	<50	<50	<100	<100	<100	<100	<500	<100	<100	<200
Methyl isoamyl ketone	<50	<50	<100	<100	<100	<100	<100	<100	<100	<200
m-Xylene	<50	<50	<100	<100	<100	<100	<50	<100	<100	<200
o-Xylene/p-Xylene	<50	<50	<100	<100	<100	<100	<50	<100	<100	<200
Sub Total 2	0	0	0	0	0	0	0	0	0	0
Total VOCs Analyzed	1,100	859	983	935	902	1,038	540	889	810	729

Table . Summary of Volatile Organic Compounds in Drinking Water, Kennecott Plant, Jackpot, Nevada

Well Number:	GM-12A	GM-12B	GM-12B	GM-12B	GM-12B	GM-12B	GM-12B	GM-12B	GM-12C	GM-12C
Date:	11/89*	12/86	5/87	11/87	5/88	11/88	5/89	11/89	12/86	5/87
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<2000	<100	<100	<500	<1,000	<1,000	<5000	<5000	<100	<100
Acrylonitrile	<2000	<100	<100	<500	<1,000	<1,000	<5000	<5000	<100	<100
Benzene	676	469	11.3	1,780	398	1,990	1,920	2,810	<4.4	<4.4
Bis (chloromethyl) ether	<200	<10	<10	<50	<100	<100	<500	<500	<10	<10
Bromoform	<94	<4.7	<4.7	<24	<47	<47	<240	<240	<4.7	<4.7
Carbon tetrachloride	<56	<2.8	<2.8	<14	<28	<28	<140	<140	<2.8	<2.8
Chlorobenzene	<120	<6	<6	<30	<60	<60	<300	<300	<6	<6
Chlorodibromomethane	<62	<3.1	<3.1	<16	<31	<31	<160	<160	<3.1	<3.1
Chloroethane	<200	<10	<10	<50	<100	<100	<500	<500	<10	<10
2-Chloroethylvinyl ether	<200	<10	<10	<50	<100	<100	<500	<500	<10	<10
Chloroform	<32	<1.6	<1.6	<8.0	<16	<16	<80	<80	<1.6	<1.6
Dichlorobromomethane	<44	<2.2	<2.2	<11	<22	<22	<110	<110	<2.2	<2.2
Dichlorodifluoromethane	<200	<10	<10	<50	<100	<100	<500	<500	<10	<10
1,1-Dichloroethane	<94	<4.7	<4.7	<24	<47	<47	<240	<240	<4.7	<4.7
1,2-Dichloroethane	<56	<2.8	<2.8	<14	<28	<28	<140	<140	<2.8	<2.8
1,1-Dichloroethylene	<56	<2.8	<2.8	<14	<28	<28	<140	<140	<2.8	<2.8
1,2-Dichloropropane	<120	<6	<6	<30	<60	<60	<300	<300	<6	<6
cis-1,3-Dichloropropylene	<100	<5	<5	<25	<50	<50	<250	<250	<5	<5
Ethylbenzene	<140	<7.2	<7.2	<36	<72	<72	<360	<360	<7.2	<7.2
Methyl bromide	<200	<10	<10	<50	<100	<100	<500	<500	<10	<10
Methyl chloride	<200	<10	<10	<50	<100	<100	<500	<500	<10	<10
Methylene chloride	147.0	<2.8	16.1	<14	<28	223	232	<140	4.6	13.6
1,1,2,2-Tetrachloroethane	<140	<6.9	<6.9	<35	<69	<69	<350	<350	<6.9	<6.9
Tetrachloroethylene	<82	<4.1	<4.1	<21	<41	<41	<210	<210	<4.1	<4.1
Toluene	<120	17.2	<6.0	35.4	<60	<60	<300	<300	<6	<6
1,2-trans-Dichloroethylene	<32	<1.6	<1.6	<8.0	<16	16.1	<80	<80	<1.6	<1.6
1,1,1-Trichloroethane	<76	<3.8	<3.8	<19	<38	<38	<190	<190	<3.8	<3.8
1,1,2-Trichloroethane	<100	<5	<5	<25	<50	<50	<250	<250	<5	<5
Trichloroethylene	<38	<1.9	<1.9	<9.5	<19	<19	<95	<95	<1.9	<1.9
Trichlorofluoromethane	<200	<10	<10	<50	<100	<100	<500	<500	<10	<10
Vinyl chloride	<200	<10	<10	<50	<100	<100	<500	<500	<10	<10
trans-1,3-Dichloropropylene	<200	<10	<10	<50	<100	<100	<500	<500	<10	<10
Sub Total 1	823	486	27	1,815	398	2,229	2,152	2,810	5	14
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-iso-butyl ketone	<200	<10	<10	<50	<100	<100	<500	<500	<10	<10
Methyl isoamyl ketone	<200	<10	<10	<50	<100	<100	<500	<500	<10	<10
m-Xylene	<200	<10	<10	<50	1,110	143	<500	<500	<10	<10
o-Xylene/p-Xylene'	<200	20.9	20.9	54.7	832	141	<500	<500	<10	<10
Sub Total 2	0	21	21	55	1,942	284	0	0	0	0
Total VOCs Analyzed	823	507	48	1,870	2,340	2,513	2,152	2,810	5	14

Table . Summary of Volatile Organic Compounds in Drums water Armstrong Plant Jacket [illegible]

Well Number:	3-25A	3-26A	3-28A	GM-106	GM-106	GM-106	GM-106	GM-106	GM-106
Date:	3/87	3/87	3/87	12/86	5/87	11/87	5/88	11/88	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L									
Acrolein	<1,000	<100	<1,000	<100	<100	<1,000	<1,000	<2,500	<5000
Acrylonitrile	<1,000	<100	<1,000	<100	<100	<1,000	<1,000	<2,500	<5000
Benzene	92	42.3	<44	<4.4	8.1	44.6	<44	<110	<220
Bis (chloromethyl) ether	<100	<10	<100	<10	<10	<100	<100	<250	<500
Bromoform	<47	<4.7	<47	<4.7	<4.7	<47	<47	<120	<240
Carbon tetrachloride	<28	<2.8	<28	<2.8	<2.8	<28	<28	<70	<140
Chlorobenzene	8,210	158	929	63.7	119.0	970	584	1,750	1,940
Chlorodibromomethane	<31	<3.1	<31	<3.1	<3.1	<31	<31	<78	<160
Chloroethane	200	<10	<100	<10	<10	<100	<100	<250	<500
2-Chloroethylvinyl ether	<100	<10	<100	<10	<10	<100	<100	<250	<500
Chloroform	70.7	<1.6	<16	<1.6	<1.6	<16	<16	<40	<80
Dichlorobromomethane	<22	<2.2	<22	<2.2	<2.2	<22	<22	<55	<110
Dichlorodifluoromethane	<100	<10	<100	<10	<10	<100	<100	<250	<500
1,1-Dichloroethane	<47	8.86	<47	<4.7	<4.7	<47	<47	<120	<240
1,2-Dichloroethane	16,500	<2.8	<28	<2.8	<2.8	<28	<28	<70	<140
1,1-Dichloroethylene	<28	<2.8	<28	<2.8	<2.8	<28	<28	<70	<140
1,2-Dichloropropane	<60	<6.0	<60	<6	<6	<60	<60	<150	<300
cis-1,3-Dichloropropylene	<50	<5.0	<50	<5	<5	<50	<50	<130	<250
Ethylbenzene	<72	<7.2	<72	<7.2	7.3	<72	<72	<180	<360
Methyl bromide	<100	<10	<100	<10	<10	<100	<100	<250	<500
Methyl chloride	<100	<10	<100	<10	<10	<100	<100	<250	<500
Methylene chloride	<28	<2.8	<28	9.4	7.2	38.8	<28	760	228
1,1,2,2-Tetrachloroethane	<69	<6.9	<69	<6.9	<6.9	<69	<69	<170	<350
Tetrachloroethylene	<41	<4.1	<41	<4.1	<4.1	<41	<41	<100	<210
Toluene	465	<6.0	<60	27.7	37.1	307	177	488	571
1,2-trans-Dichloroethylene	<16	4.64	<16	<1.6	<1.6	<16	<16	<40	<80
1,1,1-Trichloroethane	<38	<3.8	<38	<3.8	<3.8	<38	<38	<95	<190
1,1,2-Trichloroethane	<50	<5.0	<50	<5	<5	<50	<50	<130	<250
Trichloroethylene	<19	<1.9	<19	<1.9	<1.9	<19	<19	<48	<95
Trichlorofluoromethane	<100	<10	<100	<10	<10	<100	<100	<250	<500
Vinyl chloride	<100	<10	<100	<10	<10	<100	<100	<250	<500
trans-1,3-Dichloropropylene	<100	<10	<100	<10	<10	<100	<100	<250	<500
Sub Total 1	25,538	214	929	101	179	1,360	761	2,998	2,739
Miscellaneous Volatile Organic Compounds									
Acetone	19,400	<10	<100	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	<100	<10	<100	NA	NA	NA	NA	NA	NA
Carbon disulfide	<100	<10	<100	NA	NA	NA	NA	NA	NA
2-Hexanone	<100	<10	<100	NA	NA	NA	NA	NA	NA
Styrene	<100	<10	<100	NA	NA	NA	NA	NA	NA
Methyl-iso-butyl ketone	206	<10	<100	NA	NA	NA	NA	NA	NA
Methyl isoamyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA
m-Xylene	<100	<10	<100	NA	NA	NA	NA	NA	NA
o-Xylene/p-Xylene	<100	<10	<100	NA	NA	NA	NA	NA	NA
Sub Total 2	19,606	0	0	0	0	0	0	0	0
Total VOCs Analyzed	45,144	214	929	101	179	1,360	761	2,998	2,739

Table . Summary of Volatile Organic Compounds in Drinking Water, Ammonia Plant, Lawrence [illegible]

Well Number:	DM-12C	DM-12C	DM-12C	DM-12C	DM-12C	DM-17A	DM-17A	DM-17A	DM-17A	DM-17A
Date:	11/87	5/88	11/88	5/89	11/89	12/86	5/87	11/87	5/88	11/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<100	<100	<100	<100	<100	<100,000	<100,000	<10,000	<500,000	<100,000
Acrylonitrile	<100	<100	<100	<100	<100	<100,000	<100,000	<10,000	<500,000	<100,000
Benzene	<4.4	<4.4	<4.4	<4.4	<4.4	482,000	517,000	654,000	537,000	700,000
Bis (chloromethyl) ether	<10	<10	<10	<10	<10	<10,000	<10,000	<1,000	<50,000	<10,000
Bromoform	<4.7	<4.7	<4.7	<4.7	<4.7	<4,700	<4,700	<470	<24,000	<4,700
Carbon tetrachloride	<2.8	<2.8	<2.8	<2.8	<2.8	<2,800	<2,800	<280	<14,000	<2,800
Chlorobenzene	<6.0	<6.0	<6.0	<6.0	<6.0	153,000	221,000	234,000	233,000	155,000
Chlorodibromomethane	<3.1	<3.1	<3.1	<3.1	<3.1	<3,100	<3,100	<310	<16,000	<3,100
Chloroethane	<10	<10	<10	<10	<10	<10,000	<10,000	<1,000	<50,000	<10,000
2-Chloroethylvinyl ether	<10	<10	<10	<10	<10	<10,000	<10,000	<1,000	<50,000	<10,000
Chloroform	<1.6	<1.6	<1.6	<1.6	<1.6	<1,600	<1,600	<160	<8,000	<1,600
Dichlorobromomethane	<2.2	<2.2	<2.2	<2.2	<2.2	<2,200	<2,200	<220	<11,000	<2,200
Dichlorodifluoromethane	<10	<10	<10	<10	<10	<10,000	<10,000	<1,000	<50,000	<10,000
1,1-Dichloroethane	<4.7	<4.7	<4.7	<4.7	<4.7	<4,700	<4,700	<470	<24,000	<4,700
1,2-Dichloroethane	<2.8	<2.8	<2.8	<2.8	<2.8	<2,800	<2,800	<280	<14,000	<2,800
1,1-Dichloroethylene	<2.8	<2.8	<2.8	<2.8	<2.8	<2,800	<2,800	<280	<14,000	<2,800
1,2-Dichloropropane	<6.0	<6.0	<6.0	<6.0	<6.0	<6,000	<6,000	<600	<30,000	<6,000
cis-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	<5.0	<5,000	<5,000	<1,000	<25,000	<5,000
Ethylbenzene	<7.2	<7.2	<7.2	<7.2	<7.2	<7,200	<7,200	<720	<36,000	<7,200
Methyl bromide	<10	<10	<10	<10	<10	<10,000	<10,000	<1,000	<50,000	<10,000
Methyl chloride	<10	<10	<10	<10	<10	<10,000	<10,000	<1,000	<50,000	<10,000
Methylene chloride	<2.8	17.4	3.29	<2.8	<2.8	<2,800	17,200	890	<14,000	9,460
1,1,2,2-Tetrachloroethane	<6.9	<6.9	<6.9	<6.9	<6.9	<6,900	<6,900	<690	<35,000	<6,900
Tetrachloroethylene	<4.1	<4.1	<4.1	<4.1	<4.1	<4,100	<4,100	<410	<21,000	<4,100
Toluene	<6.0	<6.0	<6.0	<6.0	<6.0	<6,000	<6,000	<600	<30,000	<6,000
1,2-trans-Dichloroethylene	<1.6	<1.6	<1.6	<1.6	<1.6	<1,600	<1,600	<160	<8,000	<1,600
1,1,1-Trichloroethane	<3.8	<3.8	<3.8	<3.8	<3.8	<3,800	<3,800	<380	<19,000	<3,800
1,1,2-Trichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5,000	<5,000	<500	<25,000	<5,000
Trichloroethylene	<1.9	<1.9	<1.9	<1.9	<1.9	<1,900	<1,900	<190	<9,500	<1,900
Trichlorofluoromethane	10.6	<10	<10	<10	<10	<10,000	<10,000	<1,000	<50,000	<10,000
Vinyl chloride	<10	<10	<10	<10	<10	<10,000	<10,000	<1,000	<50,000	<10,000
trans-1,3-Dichloropropylene	<10	<10	<10	<10	<10	<10,000	<10,000	<500	<50,000	<10,000
Sub Total 1	11	17	3	0	0	635,000	755,200	888,890	770,000	864,460
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-iso-butyl ketone	<10	<10	<10	<10	<10	NA	NA	NA	NA	NA
Methyl isoamyl ketone	<10	<10	<10	<10	<10	NA	NA	NA	NA	NA
m-Xylene	<10	<10	<10	<10	<10	NA	NA	NA	NA	NA
o-Xylene/p-Xylene	<10	<10	<10	<10	<10	NA	NA	NA	NA	NA
Sub Total 2	0	0	0	0	0	0	0	0	0	0
Total VOCs Analyzed	11	17	3	0	0	635,000	755,200	888,890	770,000	864,460

Table [illegible] Summary of Volatile Organic Compounds in Ground Water Armstrong Plant Related Locations

Well Number:	GM-17A	GM-17B	GM-17B	GM-17B	GM-17B	GM-17B	GM-17B	GM-17B	GM-17C	GM-17C
Date:	11/89	12/86	5/87	11/87	5/88	11/88	5/89	11/89	12/86	5/87
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<10,000,000	<2,000	<100,000	<10,000	<10,000	<1,000	<1000	<10000	<10,000	<5,000
Acrylonitrile	<10,000,000	<2,000	<100,000	<10,000	<10,000	<1,000	<1000	<10000	<10,000	<5,000
Benzene	286,000	52,900	70,600	69,300	9,610	<44	220	<440	<440	<220
Bis (chloromethyl) ether	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<500
Bromoform	<470,000	<94	<4,700	<470	<470	<47	<47	<470	<470	<240
Carbon tetrachloride	<280,000	<56	<2,800	<280	<280	<28	<28	<280	<280	<140
Chlorobenzene	129,000	9,260	13,500	8,530	2,210	622	6,390	10,100	6,290	20,200
Chlorodibromomethane	<3,100,000	<62	<3,100	<310	<310	<31	<31	<310	<310	<160
Chloroethane	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<500
2-Chloroethylvinyl ether	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<500
Chloroform	<160,000	<32	<1,600	<160	<160	<16	<16	<160	<160	<80
Dichlorobromomethane	<220,000	<44	<2,200	<220	<220	<22	<22	<220	<220	<110
Dichlorodifluoromethane	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<500
1,1-Dichloroethane	<470,000	<94	<4,700	<470	<470	<47	<47	<470	<470	<240
1,2-Dichloroethane	<280,000	<56	<2,800	<280	<280	<28	<28	<280	<280	<140
1,1-Dichloroethylene	<280,000	<56	<2,800	<280	<280	<28	<28	<280	<280	<140
1,2-Dichloropropane	<600,000	<120	<6,000	<600	<600	<60	<60	<600	<600	<300
cis-1,3-Dichloropropylene	<500,000	<120	<5,000	<1,000	<500	<50	<50	<500	<500	<250
Ethylbenzene	<720,000	<140	<7,200	<720	<720	<72	<72	<750	<720	<360
Methyl bromide	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<500
Methyl chloride	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<500
Methylene chloride	<28,000	<56	15,700	1,220	<280	662	37.9	364	1,030	361
1,1,2,2-Tetrachloroethane	<690,000	<140	<6,900	<690	<690	<69	<69	<690	<690	<350
Tetrachloroethylene	<410,000	<82	<4,100	<410	<410	<41	<41	<410	<410	<210
Toluene	<600,000	<120	<6,000	<600	<600	<60	<60	<600	<600	<300
1,2-trans-Dichloroethylene	<160,000	<32	<1,600	<160	<160	<16	<16	<160	<160	<80
1,1,1-Trichloroethane	<380,000	<76	<3,800	<380	<380	<38	<38	<380	<380	<190
1,1,2-Trichloroethane	<500,000	<100	<5,000	<500	<500	<50	<50	<500	<500	<250
Trichloroethylene	<190,000	<38	<1,900	<190	<190	<19	<19	<190	<190	<95
Trichlorofluoromethane	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<500
Vinyl chloride	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<50
trans-1,3-Dichloropropylene	<1,000,000	<200	<10,000	<500	<1,000	<100	<100	<1000	<1,000	<50
Sub Total 1	415,000	62,160	99,800	79,050	11,820	1,284	6,648	10,464	7,320	20,56
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl-iso-butyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl isoamyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	
m-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	
o-Xylene/p-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sub Total 2	0	0	0	0	0	0	0	0	0	
Total VOCs Analyzed	415,000	62,160	99,800	79,050	11,820	1,284	6,648	10,464	7,320	20,5

Table . Summary of Volatile Organic Compounds in Ground Water Krumrich Plant, Baker, Louisiana

Well Number:	GM-17C	GM-17C	GM-17C	GM-17C	GM-17C	GM-27B	GM-27B	GM-27B	GM-27B	GM-27B
Date:	11/87	5/88	11/88	5/89	11/89	12/86	5/87	11/87	5/88	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<10,000	<10,000	<10,000	<100	<2000	<100	<100	<50,000	<10,000	<5000
Acrylonitrile	<10,000	<10,000	<10,000	<100	<2000	<100	<100	<50,000	<10,000	<5000
Benzene (.005, .025)	<440	<440	<440	22.5	<88	237	156	9,980	670	2,460
Bis (chloromethyl) ether	<1,000	<1,000	<1,000	<10	<200	<10	<10	<5,000	<1,000	<500
Bromoform	<470	<470	<470	<4.7	<94	<4.7	<4.7	<2,400	<470	<240
Carbon tetrachloride	<280	<280	<280	<2.8	<56	<2.8	<2.8	<1,400	<280	<140
Chlorobenzene	21,400	3,110	3,480	701	1,430	383	193	60,200	2,940	10,500
Chlorodibromomethane	<310	<310	<310	<3.1	<62	<3.1	<3.1	<1,600	<310	<160
Chloroethane	<1,000	<1,000	<1,000	<10	<200	<10	<10	<5,000	<1,000	<500
2-Chloroethylvinyl ether	<1,000	<1,000	<1,000	<10	<200	<10	<10	<5,000	<1,000	<500
Chloroform	<160	<160	<160	<1.6	<32	<1.6	<1.6	<800	<160	<80
Dichlorobromomethane	<220	<220	<220	<2.2	<44	<2.2	<2.2	<1,100	<220	<110
Dichlorodifluoromethane	<1,000	<1,000	<1,000	<10	<200	<10	<10	<5,000	<1,000	<500
1,1-Dichloroethane	<470	<470	<470	<4.7	<94	<4.7	<4.7	<2,400	<470	<240
1,2-Dichloroethane	<280	<280	<280	<2.8	<56	<2.8	<2.8	<1,400	<280	<140
1,1-Dichloroethylene	<280	<280	<280	<2.8	<56	<2.8	<2.8	<1,400	<280	<140
1,2-Dichloropropane	<600	<600	<600	<6.0	<120	<6	<6	<3,000	<600	<300
cis-1,3-Dichloropropylene	<500	<500	<500	<5.0	<100	<5	<5	<2,500	<500	<250
Ethylbenzene	<720	<720	<720	<7.2	<140	<7.2	<7.2	<3,600	<720	<360
Methyl bromide	<1,000	<1,000	<1,000	<10	<200	<10	<10	<5,000	<1,000	<500
Methyl chloride	<1,000	<1,000	<1,000	<10	<200	<10	<10	<5,000	<1,000	<500
Methylene chloride	<280	<280	422	~~5.75~~	<56	9.6	<2.8	<1,400	<280	227
1,1,2,2-Tetrachloroethane	<690	<690	<690	<6.9	<140	<6.9	<6.9	<3,500	<690	<350
Tetrachloroethylene	<410	<410	<410	<4.1	<82	<4.1	<4.1	<2,100	<410	<210
Toluene	<600	<600	<600	<6.0	<120	6	<6	<3,000	<600	1,400
1,2-trans-Dichloroethylene	<160	<160	<160	<1.6	<32	<1.6	<1.6	<800	<160	<80
1,1,1-Trichloroethane	<380	<380	<380	<3.8	<76	<3.8	<3.8	<1,900	<380	<190
1,1,2-Trichloroethane	<500	<500	<500	<5.0	<100	<5	<5	<2,500	<500	<250
Trichloroethylene	<190	<190	<190	<1.9	<38	<1.9	<1.9	<950	<190	<95
Trichlorofluoromethane	<1,000	<1,000	<1,000	<10	<200	<10	<10	<5,000	<1,000	<500
Vinyl chloride	<1,000	<1,000	<1,000	<10	<200	<10	<10	<5,000	<1,000	<500
trans-1,3-Dichloropropylene	<1,000	<1,000	<1,000	<10	<200	<10	<10	<5,000	<1,000	<500
Sub Total 1	21,400	3,110	3,902	728	1,430	636	349	70,180	3,610	
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-iso-butyl ketone	NA	NA	NA	NA	NA	NA	NA	<5,000	NA	NA
Methyl isoamyl ketone	NA	NA	NA	NA	NA	NA	NA	<5,000	NA	NA
m-Xylene	NA	NA	NA	NA	NA	NA	NA	<5,000	NA	NA
o-Xylene/p-Xylene	NA	NA	NA	NA	NA	NA	NA	<5,000	NA	NA
Sub Total 2	0	0	0	0	0	0	0	0	0	0
Total VOCs Analyzed	21,400	3,110	3,902	728	1,430	636	349	70,180	3,610	0

Table 1 Summary of Volatile Organic Compounds in Ground Water Kromarson Plant Bangor [illegible]

Well Number:	GM-27C	GM-27C	GM-27C	GM-27C	GM-27C	GM-27C	GM-28B	GM-28B	GM-28B	GM-28B
Date:	12/86	5/87	11/87	5/88	11/88	11/89	12/86	5/87	11/87	5/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<100	<100	<1,000	<5,000	<1,000	<5000	<2,000	<5,000	<1,000	<10,000
Acrylonitrile	<100	<100	<1,000	<5,000	<1,000	<5000	<2,000	<5,000	<1,000	<10,000
Benzene	159	122	433	346	529	331	289	<220	485	<440
Bis (chloromethyl) ether	<10	<10	<100	<500	<100	<500	<200	<500	<100	<1,000
Bromoform	<4.7	<4.7	<47	<240	<47	<240	<94	<240	<47	<470
Carbon tetrachloride	<2.8	<2.8	<28	<140	<28	<140	<56	<140	<28	<280
Chlorobenzene	385	318	1,300	710	2,030	1,840	3,310	447	4,060	2,200
Chlorodibromomethane	<3.1	<3.1	<31	<160	<31	<160	<62	<160	<31	<310
Chloroethane	<10	<10	<100	<500	<100	<500	<200	<500	<100	<1,000
2-Chloroethylvinyl ether	<10	<10	<100	<500	<100	<500	<200	<500	<100	<1,000
Chloroform	<1.6	<1.6	<16	<80	<16	<80	<32	<80	<16	<160
Dichlorobromomethane	<2.2	<2.2	<22	<110	<22	<110	<44	<110	<22	<220
Dichlorodifluoromethane	<10	<10	<100	<500	<100	<500	<200	<500	<100	<1,000
1,1-Dichloroethane	<4.7	<4.7	<47	<240	<47	<240	<94	<240	<47	<470
1,2-Dichloroethane	<2.8	<2.8	<28	<140	<28	<140	<56	<140	<28	<280
1,1-Dichloroethylene	<2.8	<2.8	<28	<140	<28	<140	<56	<140	<28	<280
1,2-Dichloropropane	<6	<6	<60	<300	<60	<300	<120	<300	<60	<600
cis-1,3-Dichloropropylene	<5	<5	<50	<250	<50	<250	<100	<250	<50	<500
Ethylbenzene	<7.2	<7.2	<72	<360	<72	<360	<140	<360	<72	<720
Methyl bromide	<10	<10	<100	<500	<100	<500	<200	<500	<100	<1,000
Methyl chloride	<10	<10	<100	<500	<100	<500	<200	<500	<100	<1,000
Methylene chloride	<2.8	<2.8	<28	<140	203	693	<56	360	1,350	<280
1,1,2,2-Tetrachloroethane	<6.9	<6.9	<69	<350	<69	<350	<140	<350	<69	<690
Tetrachloroethylene	<4.1	<4.1	<41	<210	<41	<210	<82	<210	<41	<410
Toluene	<6	<6	<60	<300	232	<300	<120	<300	321	<600
1,2-trans-Dichloroethylene	<1.6	<1.6	<16	<80	<16	<80	<32	<80	<16	<160
1,1,1-Trichloroethane	<3.8	<3.8	<38	<190	<38	<190	<76	<190	<38	<380
1,1,2-Trichloroethane	<5	<5	<50	<250	<50	<250	<100	<250	<50	<500
Trichloroethylene	<1.9	<1.9	<19	<95	<19	<95	<38	<95	<19	<190
Trichlorofluoromethane	<10	<10	<100	<500	<100	<500	<200	<500	<100	<1,000
Vinyl chloride	<10	<10	<100	<500	<100	<500	<200	<500	<100	<1,000
trans-1,3-Dichloropropylene	<10	<10	<100	<500	<100	<500	<200	<500	<100	<1,000
Sub Total 1	544	440	1,733	1,056	2,994	2,864	3,599	807	6,216	2,200
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-iso-butyl ketone	NA	NA	<100	NA	NA	NA	NA	NA	1,250	NA
Methyl isoamyl ketone	NA	NA	<100	NA	NA	NA	NA	NA	<100	NA
m-Xylene	NA	NA	<100	NA	NA	NA	NA	NA	149	NA
o-Xylene/p-Xylene	NA	NA	<100	NA	NA	NA	NA	NA	116	NA
Sub Total 2	0	0	0	0	0	0	0	0	1,515	0
Total VOCs Analyzed	544	440	1,733	1,056	2,994	2,864	3,599	807	7,731	2,200

Table [illegible] Summary of Volatile Organic Compounds in Ground Water Krummrich Plant Sauget Illinois

Well Number:	GM-28B	GM-28B	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C*
Date:	3/89	11/89	12/86	5/87	11/87	5/88	11/88	3/89	3/89*	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<1000	<5000	<100	<5,000	<1,000	<10,000	<5,000	<5000	<5000	<5000
Acrylonitrile	<1000	<5000	<100	<5,000	<1,000	<10,000	<5,000	<5000	<5000	<5000
Benzene	85.5	<220	582	<220	297	<440	<220	<220	<220	<220
Bis (chloromethyl) ether	<100	<500	<10	<500	<100	<1,000	<500	<500	<500	<500
Bromoform	<47	<240	<4.7	<240	<47	<470	<240	<240	<240	<240
Carbon tetrachloride	<28	<140	<2.8	<140	<28	<280	<140	<140	<140	<140
Chlorobenzene	2,760	2,560	4,530	621	4,910	4,700	2,920	2,510	3,220	2,840
Chlorodibromomethane	<31	<160	<3.1	<160	<31	<310	<160	<160	<160	<160
Chloroethane	<100	<500	<10	<500	<100	<1,000	<500	<500	<500	<500
2-Chloroethylvinyl ether	<100	<500	<10	<500	<100	<1,000	<500	<500	<500	<500
Chloroform	<16	<80	<1.6	<80	<16	<160	<80	<80	<80	<80
Dichlorobromomethane	<22	<110	<2.2	<110	<22	<220	<110	<110	<110	<110
Dichlorodifluoromethane	<100	<500	<10	<500	<100	<1,000	<500	<500	<500	<500
1,1-Dichloroethane	<47	<240	<4.7	<240	<47	<470	<240	<240	<240	<240
1,2-Dichloroethane	<28	<140	<2.8	<140	<28	<280	<140	<140	<140	<140
1,1-Dichloroethylene	<28	<140	<2.8	<140	<28	<280	<140	<140	<140	<140
1,2-Dichloropropane	<60	<300	<6	<300	<60	<600	<300	<300	<300	<300
cis-1,3-Dichloropropylene	<50	<250	<5	<250	<50	<500	<250	<250	<250	<250
Ethylbenzene	<100	<360	<7.2	<360	<72	<720	<360	<500	<500	<360
Methyl bromide	<100	<500	<10	<500	<100	<1,000	<500	<500	<500	<500
Methyl chloride	79.2	<500	<10	<500	<100	<1,000	<500	<140	<140	<500
Methylene chloride	<69	706	<2.8	254	1,790	<280	283	<350	<350	488
1,1,2,2-Tetrachloroethane	<41	<350	<6.9	<350	<69	<690	<350	<210	<210	<350
Tetrachloroethylene	215	<210	<4.1	<210	<41	<410	<210	<300	<300	<210
Toluene	<16	<300	<6	<300	115	<600	<300	<80	<80	<300
1,2-trans-Dichloroethylene	<38	<80	<1.6	<80	<16	<160	<80	<190	<190	<80
1,1,1-Trichloroethane	<50	<190	<3.8	<190	<38	<380	<190	<250	<250	<190
1,1,2-Trichloroethane	<19	<250	<5	<250	<50	<500	<250	<95	<95	<250
Trichloroethylene	<100	<95	<1.9	<95	<19	<190	<95	<500	<500	<95
Trichlorofluoromethane	<100	<500	<10	<500	<100	<1,000	<500	<500	<500	<500
Vinyl chloride	<100	<500	<10	<500	<100	<1,000	<500	<500	<500	<500
trans-1,3-Dichloropropylene	<72	<500	<10	<500	<100	<1,000	<500	<360	<360	<500
Sub Total 1	3,140	3,266	5,112	875	7,112	4,700	3,203	2,510	3,220	3,328
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-iso-butyl ketone	<100	NA	NA	NA	236	NA	NA	<500	<500	NA
Methyl isoamyl ketone	<100	NA	NA	NA	<100	NA	NA	<500	<500	NA
m-Xylene	<100	NA	NA	NA	<100	NA	NA	<500	<500	NA
o-Xylene/p-Xylene'	<100	NA	NA	NA	<100	NA	NA	<500	<500	NA
Sub Total 2	0	0	0	0	236	0	0	0	0	0
Total VOCs Analyzed	3,140	3,266	5,112	875	7,348	4,700	3,203	2,510	3,220	3,328

Table 1 Summary of Volatile Organic Compounds in Ground Water, Krummrich Plant, Hoechst Celanese

Well Number:	GM-31A	GM-31A	GM-31A	GM-31A	GM-31A	GM-31A	GM-31A	GM-31A	GM-31A	GM-31A
Date:	12/86	12/86*	5/87	5/87*	11/87	11/87*	5/88	5/88*	11/88	11/88*
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<100	<100	<100	<100	<500	<100	<100	<100	<500	<500
Acrylonitrile	<100	<100	<100	<100	<500	<100	<100	<100	<500	<500
Benzene	15.5	15.2	13	13.2	1,220	973	45.8	46.1	30.1	25.1
Bis (chloromethyl) ether	<10	<10	<10	<10	<50	<10	<10	<10	<50	<50
Bromoform	<4.7	<4.7	<4.7	<4.7	<24	<4.7	<4.7	<4.7	<24	<24
Carbon tetrachloride	<2.8	<2.8	<2.8	<2.8	<14	<2.8	<2.8	<2.8	<14	<14
Chlorobenzene	6.5	7.1	18.1	18.4	<30	26.0	<6.0	<6.0	<30	<30
Chlorodibromomethane	<3.1	<3.1	<3.1	<3.1	<16	<3.1	<3.1	<3.1	<16	<16
Chloroethane	<10	<10	<10	<10	<50	<10	<10	<10	<50	<50
2-Chloroethylvinyl ether	<10	<10	<10	<10	<50	<10	<10	<10	<50	<50
Chloroform	<1.6	<1.6	<1.6	<1.6	<8.0	<1.6	<1.6	<1.6	<8.0	<8.0
Dichlorobromomethane	<2.2	<2.2	<2.2	<2.2	<11	<2.2	<2.2	<2.2	<11	<11
Dichlorodifluoromethane	<10	<10	<10	<10	<50	<10	<10	<10	<50	<50
1,1-Dichloroethane	<4.7	<4.7	<4.7	<4.7	<24	<4.7	<4.7	<4.7	<24	<24
1,2-Dichloroethane	<2.8	<2.8	<2.8	<2.8	<14	<2.8	<2.8	<2.8	<14	<14
1,1-Dichloroethylene	<2.8	<2.8	<2.8	<2.8	<14	<2.8	<2.8	<2.8	<14	<14
1,2-Dichloropropane	<6	<6	<6	<6	<30	<6.0	<6.0	<6.0	<30	<30
cis-1,3-Dichloropropylene	<5	<5	<5	<5	<25	<5.0	<5.0	<5.0	<25	<25
Ethylbenzene	<7.2	<7.2	<7.2	<7.2	<36	<7.2	<7.2	<7.2	<36	<36
Methyl bromide	<10	<10	<10	<10	<50	<10	<10	<10	<50	<50
Methyl chloride	<10	<10	<10	<10	<50	<10	<10	<10	<50	<50
Methylene chloride	4.4	12.7	9.3	14.6	33.8	4.71	9.8	7.6	29.9	52.8
1,1,2,2-Tetrachloroethane	<6.9	<6.9	<6.9	<6.9	<35	<6.9	<6.9	<6.9	<35	<35
Tetrachloroethylene	<4.1	<4.1	<4.1	<4.1	<21	<4.1	<4.1	<4.1	<21	<21
Toluene	<6	<6	<6	<6	<30	<6.0	<6.0	<6.0	<30	<30
1,2-trans-Dichloroethylene	<1.6	<1.6	<1.6	<1.6	<8.0	<1.6	<1.6	<1.6	<8.0	<8.0
1,1,1-Trichloroethane	<3.8	<3.8	<3.8	<3.8	<19	<3.8	<3.8	<3.8	<19	<19
1,1,2-Trichloroethane	<5	<5	<5	<5	<25	<5.0	<5.0	<5.0	<25	<25
Trichloroethylene	<1.9	<1.9	<1.9	<1.9	<9.5	<1.9	<1.9	<1.9	<9.5	<9.5
Trichlorofluoromethane	<10	<10	<10	<10	<50	<10	<10	<10	<50	<50
Vinyl chloride	<10	<10	<10	<10	<50	<10	<10	<10	<50	<50
trans-1,3-Dichloropropylene	<10	<10	<10	<10	<50	<10	<10	<10	<50	<50
Sub Total 1	26	35	40	46	1,254	1,004	56	54	60	78
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-iso-butyl ketone	<10	<10	<10	<10	<50	<10	<10	<10	<50	<50
Methyl isoamyl ketone	<10	<10	<10	<10	<50	<10	<10	<10	<50	<50
m-Xylene	<10	<10	<10	<10	<50	<10	<10	<10	<50	<50
o-Xylene/p-Xylene	<10	<10	<10	<10	<50	<10	<10	<10	<50	<50
Sub Total 2	0	0	0	0	0	0	0	0	0	0
Total VOCs Analyzed	26	35	40	46	1,254	1,004	56	54	60	78

Table 1. Summary of Volatile Organic Compounds in Drains Water Ammonia Plant, Skagit County

Well Number:	GM-31A	GM-31A	GM-31A	GM-31A	GM-31B	GM-31B	GM-31B	GM-31B	GM-31B	GM-31B
Date:	11/88	11/88*	11/89	11/89*	12/86	12/86*	5/87	5/87*	11/87	11/87*
Laboratory:	SL	SL	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<500	<500	<100	<100	<100	<100	<100	<100	<100	<100
Acrylonitrile	<500	<500	<100	<100	<100	<100	<100	<100	<100	<100
Benzene	70	84	15.6	17.0	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4
Bis (chloromethyl) ether	<100	<100	<10	<10	<10	<10	<10	<10	<10	<10
Bromoform	<50	<50	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7
Carbon tetrachloride	<50	<50	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
Chlorobenzene	<50	<50	12.1	12.1	<6	<6	7.1	10.3	<6.0	8.7
Chlorodibromomethane	<50	<50	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1
Chloroethane	<100	<100	<10	<10	<10	<10	<10	<10	<10	<10
2-Chloroethylvinyl ether	<50	<50	<10	<10	<10	<10	<10	<10	<10	<10
Chloroform	<50	<50	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Dichlorobromomethane	<50	<50	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
Dichlorodifluoromethane	<100	<100	<10	<10	<10	<10	<10	<10	<10	<10
1,1-Dichloroethane	<50	<50	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7
1,2-Dichloroethane	<50	<50	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
1,1-Dichloroethylene	<50	<50	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
1,2-Dichloropropane	<50	<50	<6.0	<6.0	<6	<6	<6	<6	<6.0	<6.0
cis-1,3-Dichloropropylene	<50	<50	<5.0	<5.0	<5	<5	<5	<5	<5.0	<5.0
Ethylbenzene	<50	<50	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2
Methyl bromide	<100	<100	<10	<10	<10	<10	<10	<10	<10	<10
Methyl chloride	<100	<100	<10	<10	<10	<10	<10	<10	<10	<10
Methylene chloride	<50	<50	<2.8	<2.8	4.4	14.6	15	44.5	13.4	14.3
1,1,2,2-Tetrachloroethane	<50	<50	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9
Tetrachloroethylene	<50	<50	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1
Toluene	<50	<50	<6.0	<6.0	<6	<6	<6	<6	<6.0	<6.0
1,2-trans-Dichloroethylene	<50	<50	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
1,1,1-Trichloroethane	<50	<50	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8
1,1,2-Trichloroethane	<50	<50	<5.0	<5.0	<5	<5	<5	<5	<5.0	<5.0
Trichloroethylene	<50	<50	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Trichlorofluoromethane	<50	<50	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl chloride	<100	<100	<10	<10	<10	<10	<10	<10	15.4	20.5
trans-1,3-Dichloropropylene	<50	<50	<10	<10	<10	<10	<10	<10	<10	<10
Sub Total 1	70	84	28	29	4	15	22	55	29	43
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-iso-butyl ketone	<500	<500	<10	<10	NA	NA	NA	NA	NA	NA
Methyl isoamyl ketone	<100	<100	<10	<10	NA	NA	NA	NA	NA	NA
m-Xylene	<50	<50	<10	<10	NA	NA	NA	NA	NA	NA
o-Xylene/p-Xylene	<50	<50	<10	<10	NA	NA	NA	NA	NA	NA
Sub Total 2	0	0	0	0	0	0	0	0	0	0
Total VOCs Analyzed	70	84	28	29	4	15	22	55	29	43

Table . Summary of Volatile Organic Compounds in Ground Water Kramerian Plant Target Analyte

Well Number:	GM-31B	GM-31B	GM-31B	GM-31B	GM-31B	GM-31B	GM-31B	GM-31C	GM-31C	GM-31C
Date:	5/88	5/88*	11/88	11/88*	5/89	11/89	11/89*	12/86	5/87	11/87
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<100	<100	<100	<100	<100	<200	<100	<100	<100	<100
Acrylonitrile	<100	<100	<100	<100	<100	<200	<100	<100	<100	<100
Benzene	<4.4	<4.4	14.2	9.83	<4.4	32.8	<4.4	<4.4	<4.4	15.4
Bis (chloromethyl) ether	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10
Bromoform	<4.7	<4.7	<4.7	<4.7	<4.7	<9.4	<4.7	<4.7	<4.7	<4.7
Carbon tetrachloride	<2.8	<2.8	<2.8	<2.8	<2.8	<5.6	<2.8	<2.8	<2.8	<2.8
Chlorobenzene	<6.0	<6.0	<6.0	<6.0	8.26	387	<6.0	52.7	<6	174
Chlorodibromomethane	<3.1	<3.1	<3.1	<3.1	<3.1	<6.2	<3.1	<3.1	<3.1	<3.1
Chloroethane	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10
2-Chloroethylvinyl ether	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10
Chloroform	<1.6	<1.6	<1.6	<1.6	<1.6	<3.2	<1.6	<1.6	<1.6	<1.6
Dichlorobromomethane	<2.2	<2.2	<2.2	<2.2	<2.2	<4.4	<2.2	<2.2	<2.2	<2.2
Dichlorodifluoromethane	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10
1,1-Dichloroethane	<4.7	<4.7	<4.7	<4.7	<4.7	<9.4	<4.7	<4.7	<4.7	<4.7
1,2-Dichloroethane	<2.8	<2.8	<2.8	<2.8	<2.8	<5.6	<2.8	<2.8	<2.8	<2.8
1,1-Dichloroethylene	<2.8	<2.8	<2.8	<2.8	<2.8	<5.6	<2.8	<2.8	<2.8	<2.8
1,2-Dichloropropane	<6.0	<6.0	<6.0	<6.0	<6.0	<12	<6.0	<6	<6	<6.0
cis-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5	<5	<5.0
Ethylbenzene	<7.2	<7.2	<7.2	<7.2	<7.2	<14	<7.2	<7.2	<7.2	<7.2
Methyl bromide	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10
Methyl chloride	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10
Methylene chloride	6.3	6.1	13.2	4.6	<2.8	9.62	<2.8	16.6	20.7	<2.8
1,1,2,2-Tetrachloroethane	<6.9	<6.9	<6.9	<6.9	<6.9	<14	<6.9	<6.9	<6.9	<6.9
Tetrachloroethylene	<4.1	<4.1	<4.1	<4.1	<4.1	<8.2	<4.1	<4.1	<4.1	<4.1
Toluene	<6.0	<6.0	<6.0	8.75	<6.0	<12	<6.0	<6	<6	<6.0
1,2-trans-Dichloroethylene	<1.6	<1.6	<1.6	<1.6	<1.6	<3.2	2.70	<1.6	2.6	<1.6
1,1,1-Trichloroethane	<3.8	<3.8	<3.8	<3.8	<3.8	<7.6	<3.8	<3.8	<3.8	<3.8
1,1,2-Trichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5	<5	<5.0
Trichloroethylene	<1.9	<1.9	<1.9	<1.9	<1.9	<3.8	<1.9	<1.9	<1.9	<1.9
Trichlorofluoromethane	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10
Vinyl chloride	24.3	24.2	<10	<10	30.1	<20	<10	<10	<10	11.2
trans-1,3-Dichloropropylene	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10
Sub Total 1	31	30	27	23	38	429	3	69	23	201
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	0	0	0	0	0	0	0	0	0	0
Total VOCs Analyzed	31	30	27	23	38	429	3	69	23	201

Table [illegible] Summary of Volatile Organic Compounds in Drains water, Krummrich Plant [illegible]

Well Number:	GM-31C	GM-31C	GM-31C	GM-31C	GM-55C	GM-55C	GM-55C	GM-55C	GM-56C	GM-56C
Date:	5/88	11/88	5/89	11/89	11/87	5/88	11/88	11/89	11/87	5/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<100	<2,000	<100	<100	<1,000	<10,000	<5,000	<5,000	<1,000	<1,000
Acrylonitrile	<100	<2,000	<100	<100	<1,000	<10,000	<5,000	<5,000	<1,000	<1,000
Benzene	<4.4	144	94.1	<4.4	163	<440	<220	<220	510	153
Bis (chloromethyl) ether	<10	<200	<10	<10	<100	<1,000	<500	<500	<100	<100
Bromoform	<4.7	<94	<4.7	<4.7	<47	<470	<240	<240	<47	<47
Carbon tetrachloride	<2.8	<56	<2.8	<2.8	<28	<280	<140	<140	<28	<28
Chlorobenzene	<6.0	1,070	1,120	<6.0	4,030	3,360	2,700	3,220	3,980	1,000
Chlorodibromomethane	<3.1	<62	<3.1	<3.1	<31	<310	<160	<160	<31	<31
Chloroethane	<10	<200	<10	<10	<100	<1,000	<500	<500	<100	<100
2-Chloroethylvinyl ether	<10	<200	<10	<10	<100	<1,000	<500	<500	<100	<100
Chloroform	<1.6	<32	<1.6	<1.6	<16	<160	<80	<80	<16	<16
Dichlorobromomethane	<2.2	<44	<2.2	<2.2	<22	<220	<110	<110	<22	<22
Dichlorodifluoromethane	<10	<200	<10	<10	<100	<1,000	<500	<500	<100	<100
1,1-Dichloroethane	<4.7	<94	<4.7	<4.7	<47	<470	<240	<240	<47	<47
1,2-Dichloroethane	<2.8	<56	<2.8	<2.8	<28	<280	<140	<140	<28	<28
1,1-Dichloroethylene	<2.8	<56	<2.8	<2.8	<28	<280	<140	<140	<28	<28
1,2-Dichloropropane	<6.0	<120	<6.0	<6.0	<60	<600	<300	<300	<60	<60
cis-1,3-Dichloropropylene	<5.0	<100	<5.0	<5.0	<50	<500	<250	<250	<50	<50
Ethylbenzene	<7.2	<140	<7.2	<7.2	<72	<720	<360	<360	150	<72
Methyl bromide	<10	<200	<10	<10	<100	<1,000	<500	<500	<100	<100
Methyl chloride	<10	<200	<10	<10	<100	<1,000	<500	<500	<100	<100
Methylene chloride	7.1	122	<2.8	3.94	48.9	415	255	140	<28	<28
1,1,2,2-Tetrachloroethane	<6.9	<140	<6.9	<6.9	<69	<690	<350	<350	<69	<69
Tetrachloroethylene	<4.1	<82	<4.1	<4.1	<41	<410	<210	<210	80.9	<41
Toluene	<6.0	<120	<6.0	<6.0	<60	<600	<300	<300	1,810	232
1,2-trans-Dichloroethylene	<1.6	<32	<1.6	<1.6	<16	<160	<80	<80	<16	<16
1,1,1-Trichloroethane	<3.8	<76	<3.8	<3.8	<38	<380	<190	<190	<38	<38
1,1,2-Trichloroethane	<5.0	<100	<5.0	<5.0	<50	<500	<250	<250	<50	<50
Trichloroethylene	<1.9	<38	<1.9	<1.9	<19	<190	<95	<95	192	<19
Trichlorofluoromethane	<10	<200	<10	<10	<100	<1,000	<500	<500	<100	<100
Vinyl chloride	<10	<200	<10	21.0	<100	<1,000	<500	<500	<100	<100
trans-1,3-Dichloropropylene	<10	<200	<10	<10	<100	<1,000	<500	<500	<100	<100
Sub Total 1	7	1,336	1,214	25	4,242	3,775	2,955	3,360	6,723	1,385
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-iso-butyl ketone	NA	NA	NA	NA	<100	<1,000	<500	<500	287	<100
Methyl isoamyl ketone	NA	NA	NA	NA	<100	<1,000	<500	<500	<100	<100
m-Xylene	NA	NA	NA	NA	<100	<1,000	<500	<500	846	<100
o-Xylene/p-Xylene	NA	NA	NA	NA	<100	<1,000	<500	<500	450	NA
Sub Total 2	0	0	0	0	0	0	0	0	1,583	0
Total VOCs Analyzed	7	1,336	1,214	25	4,242	3,775	2,955	3,360	8,306	1,385

Table . Summary of Volatile Organic Compounds in Ground Water, Kennecott Plant Site, [illegible]

Well Number:	GM-56C	GM-56C	GM-56C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C
Date:	11/88	11/88	11/89	11/87	11/87*	5/88	5/88*	11/88	11/88	1/89
Laboratory:	ETC	SL	CL SE	ETC	ETC	ETC	ETC	ETC	SL	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<5,000	<1,000	<1,000	<1,000	<5,000	<10,000	<10,000	<5,000	<1,000	<10000
Acrylonitrile	<5,000	<1,000	<1,000	<1,000	<5,000	<10,000	<10,000	<5,000	<1,000	<10000
Benzene DL. to low	<220	250	108	605	459	<440	<440	566	520	<440
Bis (chloromethyl) ether	<500	<100	<100	<100	<500	<1,000	<1,000	<500	<100	<1000
Bromoform	<240	<50	<47	<47	<240	<470	<470	<240	<50	<470
Carbon tetrachloride	<140	<50	<28	<28	<140	<280	<280	<140	<50	<280
Chlorobenzene	2,400	4,200	3,100	5,050	3,740	3,020	3,020	4,510	5200	7,380
Chlorodibromomethane	<160	<50	<31	<31	<160	<310	<310	<160	<50	<310
Chloroethane	<500	<100	<100	<100	<500	<1,000	<1,000	<500	<100	<1000
2-Chloroethylvinyl ether	<500	<50	<100	<100	<500	<1,000	<1,000	<500	<50	<1000
Chloroform	<80	<50	<16	<16	<80	<160	<160	<80	<50	<160
Dichlorobromomethane	<110	<50	<22	<22	<110	<220	<220	<110	<50	<220
Dichlorodifluoromethane	<500	<100	<100	<100	<500	<1,000	<1,000	<500	<100	<1000
1,1-Dichloroethane	<240	<50	<47	<47	<240	<470	<470	<240	<50	<470
1,2-Dichloroethane (.005-.015)	<140	<50	<28	1,910	1,690	<280	<280	1,260	<50	555
1,1-Dichloroethylene	<140	<50	<28	<28	<140	<280	<280	<140	<50	<280
1,2-Dichloropropane	<300	<50	<60	<60	<300	<600	<600	<300	<50	<600
cis-1,3-Dichloropropylene	<250	<50	<50	<50	<250	<500	<500	<250	<50	<500
Ethylbenzene	<360	140	105	160	<500	<720	<720	<500	190	<1000
Methyl bromide	<500	<100	<100	<100	<500	<1,000	<1,000	<500	<100	<1000
Methyl chloride ? CUU	<500	<100	<100	<100	<500	<1,000	<1,000	<500	<100	466
Methylene chloride	240	<50	<28	94.0	231	417	<280	284	58	<690
1,1,2,2-Tetrachloroethane	<350	<50	<69	<69	<350	<690	<690	<350	<50	<410
Tetrachloroethylene (.005-.015)	<210	67	64.7	102	<210	<410	<410	<210	95	1,220
Toluene	698	1,200	700	1,210	775	<600	<600	817	890	<160
1,2-trans-Dichloroethylene	<80	<50	<16	<16	<80	<160	<160	<80	<50	<380
1,1,1-Trichloroethane	<190	<50	<38	<38	<190	<380	<380	<190	<50	<500
1,1,2-Trichloroethane	<250	<50	<50	<50	<250	<500	<500	<250	<50	<190
Trichloroethylene	<95	<50	30.6	88.4	<95	<190	<190	<95	<50	<1000
Trichlorofluoromethane	<500	<50	<100	<100	<500	<1,000	<1,000	<500	<50	<1000
Vinyl chloride	<500	<100	<100	<100	<500	<1,000	<1,000	<500	<100	<1000
trans-1,3-Dichloropropylene	<500	<50	<100	<100	<360	<1,000	<1,000	<360	<50	<720
Sub Total 1	3,338	5,857	4,108	9,219	6,895	3,437	3,020	7,437	6,953	9,621
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-iso-butyl ketone ? CUU	<500	<500	<100	841	687	<1,000	<1,000	521	<500	<1000
Methyl isoamyl ketone	<500	<100	<100	<100	<500	<1,000	<1,000	<500	<100	<1000
m-Xylene	<500	260	458	901	533	<1,000	<1,000	<500	240	<1000
o-Xylene/p-Xylene	<500	130	293	465	<500	<1,000	<1,000	<500	120	<1000
Sub Total 2	0	390	751	2,207	1,220	0	0	521	360	0
Total VOCs Analyzed	3,338	6,247	4,859	11,426	8,115	3,437	3,020	7,958	7,313	9,621

Table 1. Summary of Volatile Organic Compounds in Ground Water, Krummrich Plant, Sauget, Illinois

Well Number:	GM-57C	GM-57C	GM-58A	GM-58A	GM-58A	GM-58A	GM-59A	GM-59A	GM-59A	GM-59A
Date:	11/89	11/89*	11/87	5/88	11/88	11/89	11/87	5/88	11/88	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<10000	<5000	<100	<100	<100	<100	<100	<100	<100	<100
Acrylonitrile	<10000	<5000	<100	<100	<100	<100	<100	<100	<100	<100
Benzene	<440	220	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4
Bis (chloromethyl) ether	<1000	<500	<10	<10	<10	<10	<10	<10	<10	<10
Bromoform	<470	<240	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7
Carbon tetrachloride	<280	<140	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
Chlorobenzene	2,320	2,330	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
Chlorodibromomethane	<310	<160	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1
Chloroethane	<1000	<500	<10	<10	<10	<10	<10	<10	<10	<10
2-Chloroethylvinyl ether	<1000	<500	<10	<10	<10	<10	<10	<10	<10	<10
Chloroform	<160	<80	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Dichlorobromomethane	<220	<110	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
Dichlorodifluoromethane	<1000	<500	<10	<10	<10	<10	<10	<10	<10	<10
1,1-Dichloroethane	<470	<240	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7
1,2-Dichloroethane	<280	286	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
1,1-Dichloroethylene	<280	<140	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
1,2-Dichloropropane	<600	<300	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
cis-1,3-Dichloropropylene	<500	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethylbenzene	<720	<360	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2
Methyl bromide	<1000	<500	<10	<10	<10	<10	<10	<10	<10	<10
Methyl chloride	<1000	<500	<10	<10	<10	<10	<10	<10	<10	<10
Methylene chloride	<280	<140	12.1	9.7	51.2	3.0[illegible]	6.88	<2.8	54.9	3.31
1,1,2,2-Tetrachloroethane	<690	<350	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9
Tetrachloroethylene	<410	<210	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1
Toluene	<600	328	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
1,2-trans-Dichloroethylene	<160	<80	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
1,1,1-Trichloroethane	<380	<190	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8
1,1,2-Trichloroethane	<500	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethylene	<190	<95	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Trichlorofluoromethane	<1000	<500	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl chloride	<1000	<500	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,3-Dichloropropylene	<1000	<500	<10	<10	<10	<10	<10	<10	<10	<10
Sub Total 1	2,320	2,944	12	10	51	3	7	0	55	3
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-iso-butyl ketone	<1000	<500	<10	<10	NA	NA	<10	<10	NA	NA
Methyl isoamyl ketone	<1000	<500	<10	<10	NA	NA	<10	<10	NA	NA
m-Xylene	<1000	<500	<10	<10	NA	NA	<10	<10	NA	NA
o-Xylene/p-Xylene	<1000	<500	<10	<10	NA	NA	<10	<10	NA	NA
Sub Total 2	0	0	0	0	0	0	0	0	0	0
Total VOCs Analyzed	2,320	2,944	12	10	51	3	7	0	55	3

Table . Summary of Volatile Organic Compounds in Ground water Analysis

Well Number:	B-25A	B-26A	B-28A	GM-106	GM-106	GM
Date:	3/87	3/87	3/87	12/86	5/87	1
Laboratory:	ETC	ETC	ETC	ETC	ETC	
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L						
Acrolein	<1,000	<100	<1,000	<100	<100	<1
Acrylonitrile	<1,000	<100	<1,000	<100	<100	<1
Benzene	92	42.3	<4.4	<4.4	8.1	
Bis (chloromethyl) ether	<100	<10	<100	<10	<10	
Bromoform	<47	<4.7	<47	<4.7	<4.7	
Carbon tetrachloride	<28	<2.8	<28	<2.8	<2.8	
Chlorobenzene	8,210	158	929	63.7	119.0	
Chlorodibromomethane	<31	<3.1	<31	<3.1	<3.1	
Chloroethane	200	<10	<100	<10	<10	
2-Chloroethylvinyl ether	<100	<10	<100	<10	<10	
Chloroform	70.7	<1.6	<16	<1.6	<1.6	
Dichlorobromomethane	<22	<2.2	<22	<2.2	<2.2	
Dichlorodifluoromethane	<100	<10	<100	<10	<10	
1,1-Dichloroethane	<47	8.86	<47	<4.7	<4.7	
1,2-Dichloroethane	16,500	<2.8	<28	<2.8	<2.8	
1,1-Dichloroethylene	<28	<2.8	<28	<2.8	<2.8	
1,2-Dichloropropane	<60	<6.0	<60	<6	<6	
cis-1,3-Dichloropropylene	<50	<5.0	<50	<5	<5	
Ethylbenzene	<72	<7.2	<72	<7.2	7.3	
Methyl bromide	<100	<10	<100	<10	<10	
Methyl chloride	<100	<10	<100	<10	<10	
Methylene chloride	<28	<2.8	<28	9.4	7.2	
1,1,2,2-Tetrachloroethane	<69	<6.9	<69	<6.9	<6.9	
Tetrachloroethylene	<41	<4.1	<41	<4.1	<4.1	
Toluene	465	<6.0	<60	27.7	37.1	
1,2-trans-Dichloroethylene	<16	4.64	<16	<1.6	<1.6	
1,1,1-Trichloroethane	<38	<3.8	<38	<3.8	<3.8	
1,1,2-Trichloroethane	<50	<5.0	<50	<5	<5	
Trichloroethylene	<19	<1.9	<19	<1.9	<1.9	
Trichlorofluoromethane	<100	<10	<100	<10	<10	
Vinyl chloride	<100	<10	<100	<10	<10	
trans-1,3-Dichloropropylene	<100	<10	<100	<10	<10	
Sub Total 1	25,538	214	929	101	179	1
Miscellaneous Volatile Organic Compounds						
Acetone	19,400	<10	<100	NA	NA	
Methyl ethyl ketone	<100	<10	<100	NA	NA	
Carbon disulfide	<100	<10	<100	NA	NA	
2-Hexanone	<100	<10	<100	NA	NA	
Styrene	<100	<10	<100	NA	NA	
Methyl-iso-butyl ketone	206	<10	<100	NA	NA	
Methyl isoamyl ketone	NA	NA	NA	NA	NA	
m-Xylene	<100	<10	<100	NA	NA	
o-Xylene/p-Xylene	<100	<10	<100	NA	NA	
Sub Total 2	19,606	0	0	0	0	
Total VOCs Analyzed	45,144	214	929	101	179	

Table . Summary of Volatile Organic Compounds in Drinking Water Frankfort P.

Well Number:	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
Date:	5/88	11/88	11/88	5/89	11/89
Laboratory:	ETC	ETC	SL	ETC	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L					
Acrolein	<100	<100	<50	<100	<100
Acrylonitrile	<100	<100	<50	<100	<100
Benzene	<4.4	<4.4	<5	<4.4	<4.4
Bis (chloromethyl) ether	<10	<10	<5	<10	<10
Bromoform	<4.7	<4.7	<5	<4.7	<4.7
Carbon tetrachloride	<2.8	<2.8	<5	<2.8	<2.8
Chlorobenzene	<6.0	<6.0	<5	<6	<6.0
Chlorodibromomethane	<3.1	<3.1	<5	<3.1	<3.1
Chloroethane	<10	<10	<10	<10	<10
2-Chloroethylvinyl ether	<10	<10	<10	<10	<10
Chloroform	<1.6	<1.6	<5	<1.6	<1.6
Dichlorobromomethane	<2.2	<2.2	<5	<2.2	<2.2
Dichlorodifluoromethane	<10	26	<10	<10	<10
1,1-Dichloroethane	<4.7	<4.7	<5	<4.7	<4.7
1,2-Dichloroethane	<2.8	<2.8	<5	<2.8	<2.8
1,1-Dichloroethylene	<2.8	<2.8	<5	<2.8	<2.8
1,2-Dichloropropane	<6.0	<6.0	<5	<6	<6.0
cis-1,3-Dichloropropylene	<5.0	<5.0	<5	<5	<5.0
Ethylbenzene	<7.2	<7.2	<5	<10	<7.2
Methyl bromide	<10	<10	<10	<10	<10
Methyl chloride	<10	<10	<10	<2.8	<10
Methylene chloride	<2.8	6.50	<5	<6.9	8.76
1,1,2,2-Tetrachloroethane	<6.9	<6.9	<5	<4.1	<6.9
Tetrachloroethylene	<4.1	<4.1	<5	<6	<4.1
Toluene	<6.0	<6.0	<5	<1.6	<6.0
1,2-trans-Dichloroethylene	<1.6	<1.6	<5	<3.8	<1.6
1,1,1-Trichloroethane	<3.8	<3.8	<5	<5	<3.8
1,1,2-Trichloroethane	<5.0	<5.0	<5	<1.9	<5.0
Trichloroethylene	<1.9	<1.9	<5	<10	<1.9
Trichlorofluoromethane	<10	<10	<5	<10	<10
Vinyl chloride	<10	<10	<10	<10	<10
trans-1,3-Dichloropropylene	<10	<10	<5	<7.2	<10
Sub Total 1	0	33	0	0	9
Miscellaneous Volatile Organic Compounds					
Acetone	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA
Methyl-iso-butyl ketone	NA	NA	<500	NA	NA
Methyl isoamyl ketone	NA	NA	<100	NA	NA
m-Xylene	NA	NA	<50	NA	NA
o-Xylene/p-Xylene	NA	NA	<50	NA	NA
Sub Total 2	0	0	0	0	0
Total VOCs Analyzed	0	33	0	0	9

Table 2 Summary of Acid Extractable Compounds in Ground Water, Armstrong Plant

Well Number:	GM-4A	GM-4A	GM-4A	GM-4A	GM-4A
Date:	12/86	5/87	11/87	5/88	11/88
Laboratory:	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L					
2-Chlorophenol	NA	NA	<3.4	<3.5	<3.8
2,4-Dichlorophenol	NA	NA	<2.8	<2.9	<3.1
2,4-Dimethylphenol	NA	NA	<2.8	<2.9	<3.1
4,6-Dinitro-o-cresol	NA	NA	<24	<26	<28
2,4-Dinitrophenol	NA	NA	<43	<45	<48
2-Nitrophenol	NA	NA	<3.7	<3.8	<4.1
4-Nitrophenol	NA	NA	<2.4	<2.6	<2.8
p-Chloro-m-cresol	NA	NA	<3.1	<3.2	<3.4
Pentachlorophenol	NA	NA	<3.7	<3.8	<4.1
Phenol	NA	NA	<1.5	<1.6	<1.7
2,4,6-Trichlorophenol	NA	NA	<2.8	<2.9	<3.1
Sub Total 1	0	0	0	0	0
Miscellaneous Acid Extractable Organic Compounds					
4-Chlorophenol	<10	<10	<10	<11	<11
2-Methylphenol	NA	NA	NA	NA	NA
4-Methylphenol	NA	NA	NA	NA	NA
Benzoic acid	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA
Sub Total 2	0	0	0	0	0
Total Acid Compounds Analyzed	0	0	0	0	0

Table 1 Summary of Acid Extractable Compounds in Ground Water Grumman P.A.

Well Number:	GM-4B	GM-4B	GM-4B	GM-4B	GM-4C
Date:	5/88	11/88	5/89	11/89	12/86
Laboratory:	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L					
2-Chlorophenol	46.5	42.3	81.3	71.5	NA
2,4-Dichlorophenol	28.6	6.91	9.01	3.79	NA
2,4-Dimethylphenol	<2.7	<3.1	<2.8	<2.8	NA
4,6-Dinitro-o-cresol	<24	<28	<24	<24	NA
2,4-Dinitrophenol	<42	<48	<43	<43	NA
2-Nitrophenol	<3.6	<4.1	<3.7	<3.7	NA
4-Nitrophenol	<2.4	<2.8	<2.4	<2.4	NA
p-Chloro-m-cresol	<3.0	<3.4	<3.1	<3.1	NA
Pentachlorophenol	<3.6	<4.1	<3.7	<3.7	NA
Phenol	<1.5	<1.7	<1.5	<1.5	NA
2,4,6-Trichlorophenol	<2.7	<3.1	<2.8	<2.8	NA
Sub Total 1	75	49	90	75	0
Miscellaneous Acid Extractable Organic Compounds					
4-Chlorophenol	20.1	19	<10	<10	27.4
2-Methylphenol	NA	NA	NA	NA	NA
4-Methylphenol	NA	NA	NA	NA	NA
Benzoic acid	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA
Sub Total 2	20	19	0	0	27
Total Acid Compounds Analyzed	95	68	90	75	27

Table 1 Summary of Acid Extractable Compounds in Ground Water: Kramerica Plant: I

Well Number:	GM-4C	GM-4C	GM-17A	GM-17A	GM-17A	GM-17
Date:	5/89	11/89	12/86	5/87	11/87	5/8
Laboratory:	ETC	ETC	ETC	ETC	ETC	ET
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L						
2-Chlorophenol	27.6	<35	51.6	67.7	38.3	98.
2,4-Dichlorophenol	<2.8	<29	<2.9	<2.9	<2.8	<3.
2,4-Dimethylphenol	<2.8	<29	<2.9	<2.9	<2.8	<3.
4,6-Dinitro-o-cresol	<25	<260	<25	<26	<25	<2
2,4-Dinitrophenol	<44	<450	<44	<45	<44	<-
2-Nitrophenol	<3.8	<39	<3.8	<3.9	<3.8	<4.
4-Nitrophenol	<2.8	<26	<2.5	<2.6	<2.5	<2.
p-Chloro-m-cresol	<3.2	<32	<3.2	<3.2	<3.1	<3
Pentachlorophenol	<3.8	<39	<3.8	<3.9	<3.8	<4
Phenol	1.6	<16	<1.6	73	62.8	1
2,4,6-Trichlorophenol	<2.8	<29	<2.9	<2.9	<2.8	<3
Sub Total 1	29	0	52	141	101	2
Miscellaneous Acid Extractable Organic Compounds						
4-Chlorophenol	<11	<110	NA	NA	33	
2-Methylphenol	NA	NA	NA	NA	NA	
4-Methylphenol	NA	NA	NA	NA	NA	
Benzoic acid	NA	NA	NA	NA	NA	
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	
Sub Total 2	0	0	0	0	33	
Total Acid Compounds Analyzed	29	0	52	141	134	2

[illegible] Extractable Compounds in Groundwater, Krummrich Plant, Sauget, Illinois

[illegible]ber:	GM-17B	GM-17B	GM-17B	GM-17B	GM-17B	GM-17B	GM-17C	GM-17C	GM-17C
[illegible]ate:	5/87	11/87	5/88	11/88	5/89	11/89	12/86	5/87	11/87
[illegible]ory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
	91.6	23.4	46.9	36.8	24.6	15.5	30.8	34	19.4
	<3.1	<2.8	<2.8	<3.2	<2.9	<2.8	10	4.7	3.44
	<3.1	<2.8	<2.8	<3.2	<2.9	<2.8	<3.3	<2.7	<2.8
	<28	<25	<24	<29	<26	<25	<29	<24	<25
	<49	<43	<43	<50	<45	<44	<51	<42	<44
	<4.2	<3.7	<3.7	<4.3	<3.9	<3.8	<4.3	<3.6	<3.8
	<2.8	<2.5	<2.4	<2.9	<2.6	<2.5	<2.9	<2.4	<2.5
	<3.5	<3.1	<3.1	<3.6	<3.2	<3.2	<3.6	<3	<3.1
	<4.2	<3.7	<3.7	<4.3	<3.9	<3.8	<4.3	<3.6	<3.8
	546	235	330	<1.8	<1.6	2.06	<1.8	<1.5	4.07
	<3.1	<2.8	<2.8	<3.2	<2.9	<2.8	<3.3	<2.7	<2.8
	638	258	377	37	25	18	41	39	27
	NA	14.7	NA	NA	NA	NA	NA	NA	26.6
	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA
	0	15	0	0	0	0	0	0	27
[illegible]lyzed	638	273	377	37	25	18	41	39	54

Table 2 Summary of Acid Extractable Compounds in Ground water, Krummrich Plan

Well Number:	GM-27C	GM-27C	GM-28B	GM-28B	GM-28B
Date:	11/88	11/89	12/86	5/87	11/87
Laboratory:	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L					
2-Chlorophenol	<3.4	12.7	NA	NA	5,570
2,4-Dichlorophenol	<2.8	<3.1	NA	NA	18,600
2,4-Dimethylphenol	59.9	18.3	NA	NA	1,220
4,6-Dinitro-o-cresol	<24	<28	NA	NA	<1200
2,4-Dinitrophenol	<43	<48	NA	NA	<2100
2-Nitrophenol	<3.7	<4.1	NA	NA	<180
4-Nitrophenol	<2.4	<2.8	NA	NA	<120
p-Chloro-m-cresol	<3.1	<3.4	NA	NA	<150
Pentachlorophenol	<3.7	<4.1	NA	NA	<180
Phenol	113	<1.7	NA	NA	21,300
2,4,6-Trichlorophenol	<2.8	<3.1	NA	NA	5,950
Sub Total 1	173	31	0	0	52,640
Miscellaneous Acid Extractable Organic Compounds					
4-Chlorophenol	387	<11	684	<56	8,070
2-Methylphenol	NA	NA	NA	NA	NA
4-Methylphenol	NA	NA	NA	NA	NA
Benzoic acid	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA
Sub Total 2	387	0	684	0	8,070
Total Acid Compounds Analyzed	560	31	684	0	60,710

Table 2 Summary of Acid Extractable Compounds in Ground Water, Armstrong Pla

Well Number:	GM-17C	GM-17C	GM-17C	GM-17C	GM-27B
Date:	5/88	11/88	5/89	11/89	11/87
Laboratory:	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L					
2-Chlorophenol	34.9	<34	26.1	6.23	<3.8
2,4-Dichlorophenol	12.1	<28	17.7	10.3	<3.1
2,4-Dimethylphenol	<2.8	<28	<2.8	<2.8	7.44
4,6-Dinitro-o-cresol	<25	<240	<25	<25	<27
2,4-Dinitrophenol	<44	<430	<44	<44	<48
2-Nitrophenol	<3.8	<37	<3.8	<3.8	<4.1
4-Nitrophenol	<2.5	<24	<2.5	<2.5	<2.7
p-Chloro-m-cresol	<3.1	<31	<3.2	<3.1	<3.4
Pentachlorophenol	<3.8	<37	<3.8	<3.8	<4.1
Phenol	<1.6	<15	<1.6	<1.6	<1.7
2,4,6-Trichlorophenol	<2.8	<28	<2.8	<2.8	<3.1
Sub Total 1	47	0	44	17	7
Miscellaneous Acid Extractable Organic Compounds					
4-Chlorophenol	NA	<100	NA	NA	<11
2-Methylphenol	NA	NA	NA	NA	NA
4-Methylphenol	NA	NA	NA	NA	NA
Benzoic acid	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA
Sub Total 2	0	0	0	0	0
Total Acid Compounds Analyzed	47	0	44	17	7

Table 2 Summary of Acid Extractable Compounds in Ground Water, Ammonia Plant

Well Number:	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM
Date:	5/87	11/87	5/88	11/88	3/89	3/
Laboratory:	ETC	ETC	ETC	ETC	ETC	
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L						
2-Chlorophenol	NA	868	1,120	<3.8	<3400	
2,4-Dichlorophenol	NA	4,430	8,440	4,630	<2800	
2,4-Dimethylphenol	NA	253	192	42.7	<2800	
4,6-Dinitro-o-cresol	NA	<270	<34	<27	<24000	
2,4-Dinitrophenol	NA	<470	<59	<48	<43000	
2-Nitrophenol	NA	<40	<5.1	<4.1	<3700	
4-Nitrophenol	NA	<27	<3.4	<2.7	<2400	
p-Chloro-m-cresol	NA	<33	<4.2	<3.4	<3100	
Pentachlorophenol	NA	113	116	57	<3700	
Phenol	NA	1,260	2,910	<1.7	<1500	
2,4,6-Trichlorophenol	NA	1,660	1,570	<3.1	<2800	
Sub Total 1	0	8,584	14,348	4,730	0	
Miscellaneous Acid Extractable Organic Compounds						
4-Chlorophenol	<64	2,250	2,610	691	<10000	
2-Methylphenol	NA	NA	NA	NA	NA	
4-Methylphenol	NA	NA	NA	NA	NA	
Benzoic acid	NA	NA	NA	NA	NA	
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	
Sub Total 2	0	2,250	2,610	691	0	
Total Acid Compounds Analyzed	0	10,834	16,958	5,421	0	

Table 2 Summary of Acid Extractable Compounds in Ground Water, Krummrich Plant.

Well Number:	GM-31A	GM-31A	GM-31A	GM-31A	GM-31A	GM-
Date:	5/87	5/87*	11/87	11/87*	5/88	5/
Laboratory:	ETC	ETC	ETC	ETC	ETC	
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L						
2-Chlorophenol	<78	<37	<34	4.54	<33	
2,4-Dichlorophenol	<64	<30	<28	24.6	<27	
2,4-Dimethylphenol	<64	<30	<28	<2.8	<27	
4,6-Dinitro-o-cresol	<560	<270	<250	<25	<240	
2,4-Dinitrophenol	12,400	7,630	2,040	2,520	447	
2-Nitrophenol	<85	<40	<38	13.7	251	
4-Nitrophenol	158	72.9	136	159	<24	
p-Chloro-m-cresol	<71	<33	<31	<3.1	<30	
Pentachlorophenol	<85	<40	<38	<3.8	<36	
Phenol	<35	25.6	<16	9.87	50,400	119
2,4,6-Trichlorophenol	2,310	2,200	955	1,010	591	
Sub Total 1	14,868	9,929	3,131	3,742	51,689	120
Miscellaneous Acid Extractable Organic Compounds						
4-Chlorophenol	NA	NA	<100	NA	NA	
2-Methylphenol	NA	NA	NA	NA	NA	
4-Methylphenol	NA	NA	NA	NA	NA	
Benzoic acid	NA	NA	NA	NA	NA	
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	
Sub Total 2	0	0	0	0	0	
Total Acid Compounds Analyzed	14,868	9,929	3,131	3,742	51,689	1:

Table 1 Summary of Acid Extractable Compounds in Ground Water Krummsuch Plant, Ind.

Well Number:	GM-31A	GM-31A	GM-31A	GM-55C	GM-55C	GM-55C
Date:	11/88 *	11/89	11/89 *	11/87	5/88	11/88
Laboratory:	SL	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L						
2-Chlorophenol	<100	<3.4	<3.4	10.9	31	<370
2,4-Dichlorophenol	<100	44.0	40.1	<2.8	196	<300
2,4-Dimethylphenol	<100	<2.8	<2.8	<2.8	4.3	<300
4,6-Dinitro-o-cresol	<500	<24	<25	<25	<28	<2,700
2,4-Dinitrophenol	<500	282	244	<44	<49	<4,700
2-Nitrophenol	140	59.2	45.7	<3.8	<4.2	<400
4-Nitrophenol	<500	171	132	<2.5	<2.8	<270
p-Chloro-m-cresol	<100	<3.1	<3.1	<3.1	<3.5	<340
Pentachlorophenol	<100	20.5	23.5	<3.8	<4.2	<400
Phenol	270,000	1,020	934	<1.6	24.6	<170
2,4,6-Trichlorophenol	<100	7	7	<2.8	22	<300
Sub Total 1	270,140	1,597	1,419	11	278	0
Miscellaneous Acid Extractable Organic Compounds						
4-Chlorophenol	NA	878	924	<10	254	<1,10
2-Methylphenol	NA	NA	NA	NA	NA	N
4-Methylphenol	NA	NA	NA	NA	NA	N
Benzoic acid	NA	NA	NA	NA	NA	N
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	
Sub Total 2	0	878	924	0	254	
Total Acid Compounds Analyzed	270,140	2,475	2,343	11	532	

Table 1 Summary of Acid Extractable Compounds in Ground Water, Krummrich Plant, Sauget, Illinois

Well Number:	GM-56C	GM-56C	GM-56C	GM-57C	GM-57C	GM-57C	GM-57C
Date:	11/88	11/88	11/89	11/87	11/87*	5/88	5/88*
Laboratory:	ETC	SL	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L							
2-Chlorophenol	239	240	584	5,690	5,460	4,680	8,440
2,4-Dichlorophenol	3,010	3,100	1,410	4,530	4,560	5,990	9,470
2,4-Dimethylphenol	<160	<100	<3.1	196	<160	180	209
4,6-Dinitro-o-cresol	<1,300	<500	<27	<1300	<1400	<240	<25
2,4-Dinitrophenol	<2,600	<500	<48	<2300	<2400	<420	<43
2-Nitrophenol	<220	<100	<4.1	<200	<210	<36	<3.7
4-Nitrophenol	<150	<500	<2.7	<130	<140	<24	<2.5
p-Chloro-m-cresol	<180	<100	<3.4	<160	<170	<30	<3.1
Pentachlorophenol	<220	<100	<4.1	<200	<210	<36	24
Phenol	1,880	210	<1.7	28,700	33,000	14,400	28,000
2,4,6-Trichlorophenol	1,420	1,300	880	992	922	1,250	1,580
Sub Total 1	6,549	4,850	2,874	40,108	43,942	26,500	47,723
Miscellaneous Acid Extractable Organic Compounds							
4-Chlorophenol	<610	<100	<11	11,300	11,700	7,530	12,300
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	NA	NA	NA	NA	NA	NA	NA
Benzoic acid	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	0	0	0	11,300	11,700	7,530	12,300
Total Acid Compounds Analyzed	6,549	4,850	2,874	51,408	55,642	34,030	60,023

Table 1 Summary of Acid Extractable Compounds in Ground Water, Kruemeich P

Well Number:	GM-57C	GM-57C	GM-57C	GM-58A	GM-58A
Date:	3/89	11/89	11/89*	11/87	5/88
Laboratory:	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L					
2-Chlorophenol	1,280	4,390	5,330	<3.4	<3.8
2,4-Dichlorophenol	4,260	8,750	9,710	<2.8	<3.1
2,4-Dimethylphenol	<28	192	200	<2.8	<3.1
4,6-Dinitro-o-cresol	<250	<290	<250	<24	<27
2,4-Dinitrophenol	<444	<500	<440	<43	<48
2-Nitrophenol	<38	<43	<38	<3.7	<4.1
4-Nitrophenol	<25	<29	<25	<2.4	<2.7
p-Chloro-m-cresol	<32	<36	<32	<3.1	<3.4
Pentachlorophenol	<38	<43	<38	<3.7	<4.1
Phenol	3,100	7,650	10,300	4.08	<1.7
2,4,6-Trichlorophenol	523	1,490	1,260	5.29	3.6
Sub Total 1	9,163	22,472	26,800	9	4
Miscellaneous Acid Extractable Organic Compounds					
4-Chlorophenol	4,310	5,360	3,630	<10	<11
2-Methylphenol	NA	NA	NA	NA	NA
4-Methylphenol	NA	NA	NA	NA	NA
Benzoic acid	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA
Sub Total 2	4,310	5,360	3,630	0	0
Total Acid Compounds Analyzed	13,473	27,832	30,430	9	

Table 2. Summary of Acid Extractable Compounds in Ground Water, Armmerica Plant, Sa

Well Number:	GM-59A	GM-59A	B-25A	B-26A	B-28A	GM-106
Date:	11/88	11/89	3/87	3/87	3/87	12/86
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L						
2-Chlorophenol	<3.7	<3.5	116,000	10.3	10.5	26.5
2,4-Dichlorophenol	<3.0	<2.8	182,000	<2.7	<2.7	38.5
2,4-Dimethylphenol	<3.0	<2.8	1,620	<2.7	<2.7	<2.
4,6-Dinitro-o-cresol	<27	<25	<13,000	<24	<24	<2
2,4-Dinitrophenol	<47	<44	<24,000	<42	<42	<4
2-Nitrophenol	<4.0	<3.8	<2,000	<3.6	<3.6	<3.
4-Nitrophenol	<2.7	<2.5	<1,300	<2.4	<2.4	<2.
p-Chloro-m-cresol	<3.3	<3.2	<1,700	<3	<3	<3.
Pentachlorophenol	<4.0	<3.8	<2,000	<3.6	<3.6	<3.
Phenol	<1.7	<1.6	403,000	5.4	<1.5	12.
2,4,6-Trichlorophenol	<3.0	<2.8	25,900	<2.7	<2.7	52.
Sub Total 1	0	0	728,520	16	11	1
Miscellaneous Acid Extractable Organic Compounds						
4-Chlorophenol	NA	NA	NA	NA	NA	
2-Methylphenol	NA	NA	<5,600	<10	<10	
4-Methylphenol	NA	NA	47,000	<10	<10	
Benzoic acid	NA	NA	50,800	<10	<10	
2,4,5-Trichlorophenol	NA	NA	<5,600	<10	<10	
Sub Total 2	0	0	97,800	0	0	
Total Acid Compounds Analyzed	0	0	826,320	16	11	

Table 2 Summary of Acid Extractable Compounds in Ground Water [illegible]

Well Number:	GM-105	GM-106	P-1	P-1	P-2	P-3	P-6	P-7	P-7
Date:	11/88	11/89	3/87	11/87	11/87	11/87	11/87	12/86	5/87
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L									
2-Chlorophenol	266	<380	5.6	11.3	8.82	<3.3	<3.3	776	866
2,4-Dichlorophenol	884	1,290	<3.0	<2.7	<2.8	<2.7	<2.7	2,540	2,120
2,4-Dimethylphenol	<27	<310	<3.0	<2.7	<2.8	<2.7	<2.7	<2.7	<2.7
4,6-Dinitro-o-cresol	<240	<2800	<27	<24	<25	<24	<24	<24	<24
2,4-Dinitrophenol	<420	<4800	<47	<42	<43	<42	<42	<42	<42
2-Nitrophenol	<36	<410	<4.0	<3.6	<3.7	<3.6	<3.6	<3.6	<3.6
4-Nitrophenol CWO?	<24	<280	<2.7	<2.4	<2.5	<2.4	<2.4	68.6	<2.4
p-Chloro-m-cresol	<30	<340	<3.3	<3.0	<3.1	<3.0	<3.0	<3.0	<3.0
Pentachlorophenol	<36	<410	<4.0	<3.6	<3.7	<3.6	<3.6	<3.6	<3.6
Phenol	104	224	<1.7	<1.5	70.4	22.8	<1.5	9,410	8,930
2,4,6-Trichlorophenol	1,100	1,000	<3.0	<2.7	<2.8	<2.7	<2.7	599	602
Sub Total 1	2,354	2,514	6	11	79	23	0	13,394	12,518
Miscellaneous Acid Extractable Organic Compounds									
4-Chlorophenol CWO?	NA	<1100	NA	12.7	<10	<10	<10	2,600	4,820
2-Methylphenol	NA	NA	<11	NA	NA	NA	NA	NA	NA
4-Methylphenol	NA	NA	<11	NA	NA	NA	NA	NA	NA
Benzoic acid	NA	NA	<11	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	<11	NA	NA	NA	NA	NA	NA
Sub Total 2	0	0	0	13	0	0	0	2,600	4,820
Total Acid Compounds Analyzed	2,354	2,514	6	24	79	23	0	15,994	17,338

Table 2. Summary of Acid Extractable Compounds in Ground Water, Kramerica Pl

Well Number:	P-7	P-7	P-7	P-7	P-7
Date:	3/87	11/87	5/88	11/88	3/89
Laboratory:	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L					
2-Chlorophenol	1,660	331	1,590	982	580
2,4-Dichlorophenol	<30	748	7,960	5,490	1,910
2,4-Dimethylphenol	<30	<2.8	<3.1	<28	<28
4,6-Dinitro-o-cresol	<260	<24	<27	<250	<250
2,4-Dinitrophenol	<460	<43	<48	<430	<430
2-Nitrophenol	<40	<3.7	<4.1	<37	<37
4-Nitrophenol	130	18.2	79.5	<25	<25
p-Chloro-m-cresol	<33	<3.1	<3.4	<31	<31
Pentachlorophenol	<40	<3.7	<4.1	<37	<3
Phenol	11,400	3,090	19,000	7,410	6,75
2,4,6-Trichlorophenol	2170	336	2820	3,180	50
Sub Total 1	15,360	4,523	31,450	17,062	9,74
Miscellaneous Acid Extractable Organic Compounds					
4-Chlorophenol	NA	4,650	5,660	2,130	2,6
2-Methylphenol	<110	NA	NA	NA	
4-Methylphenol	<110	NA	NA	NA	
Benzoic acid	1,720	NA	NA	NA	
2,4,5-Trichlorophenol	<110	NA	NA	NA	
Sub Total 2	1,720	4,650	5,660	2,130	2.
Total Acid Compounds Analyzed	17,080	9,173	37,110	19,192	12.

Table 2. Summary of Acid Extractable Compounds in Ground water, Krummrich Plant.

Well Number:	P-8	P-8	P-8	P-8	P-10	P
Date:	5/88	11/88	3/89	11/89	11/87	3
Laboratory:	ETC	ETC	ETC	ETC	ETC	
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L						
2-Chlorophenol	5,290	8,100	6,450	10,700	22.4	<
2,4-Dichlorophenol	3,880	4,450	3,680	9,780	<2.7	<
2,4-Dimethylphenol	410	318	<1400	<1500	9.64	<
4,6-Dinitro-o-cresol	<2,600	<2,400	<12000	<14000	<24	
2,4-Dinitrophenol	<4,500	<4,300	<21000	<24000	<42	
2-Nitrophenol	<380	<370	<1800	<2000	<3.6	<
4-Nitrophenol	<260	<240	<1200	<1400	<2.4	<
p-Chloro-m-cresol	<320	<310	<1500	<1700	<3.0	<
Pentachlorophenol	<380	<370	<1800	<2000	<3.6	<
Phenol	38,700	6,080	8,490	29,200	69.3	
2,4,6-Trichlorophenol	446	370	<1400	<1500	<2.7	
Sub Total 1	48,726	19,318	18,620	49,680	101	
Miscellaneous Acid Extractable Organic Compounds						
4-Chlorophenol	13,400	9,600	<5100	19400	2,330	
2-Methylphenol	NA	NA	<5100	NA	NA	
4-Methylphenol	NA	NA	<5100	NA	NA	
Benzoic acid	NA	NA	<5100	NA	NA	
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	
Sub Total 2	13,400	9,600	0	19,400	2,330	
Total Acid Compounds Analyzed	62,126	28,918	18,620	69,080	2,431	

Table 2. Summary of Acid Extractable Compounds in Ground Water, Krummrich P.

Well Number:	P-14	Blank
Date:	11/87	3/87
Laboratory:	ETC	ETC
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L		
2-Chlorophenol	26.6	<3.5
2,4-Dichlorophenol	<3.0	<2.9
2,4-Dimethylphenol	<3.0	<2.9
4,6-Dinitro-o-cresol	<26	<26
2,4-Dinitrophenol	<46	<45
2-Nitrophenol	<4.0	<3.8
4-Nitrophenol	<2.6	<2.6
p-Chloro-m-cresol	<3.3	4.1
Pentachlorophenol	<4.0	<3.8
Phenol	<1..6	<1.6
2,4,6-Trichlorophenol	<3.0	<2.9
Sub Total 1	27	4
Miscellaneous Acid Extractable Organic Compounds		
4-Chlorophenol	12.9	NA
2-Methylphenol	NA	<11
4-Methylphenol	NA	<11
Benzoic acid	NA	<11
2,4,5-Trichlorophenol	NA	<11
Sub Total 2	13	0
Total Acid Compounds Analyzed	40	4

Table 1 Summary of Acid Extractable Compounds in Ground Water [illegible]

Well Number:	GM-106	GM-106	P-1	P-1	P-2	P-3	P-6	P-7	P-7
Date:	11/88	11/89	3/87	11/87	11/87	11/87	11/87	12/86	5/87
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L									
2-Chlorophenol	266	<380	5.6	11.3	8.82	<3.3	<3.3	776	866
2,4-Dichlorophenol	884	1,290	<3.0	<2.7	<2.8	<2.7	<2.7	2,540	2,120
2,4-Dimethylphenol	<27	<310	<3.0	<2.7	<2.8	<2.7	<2.7	<2.7	<2.7
4,6-Dinitro-o-cresol	<240	<2800	<27	<24	<25	<24	<24	<24	<24
2,4-Dinitrophenol	<420	<4800	<47	<42	<43	<42	<42	<42	<42
2-Nitrophenol	<36	<410	<4.0	<3.6	<3.7	<3.6	<3.6	<3.6	<3.6
4-Nitrophenol CWO?	<24	<280	<2.7	<2.4	<2.5	<2.4	<2.4	68.6	<2.4
p-Chloro-m-cresol	<30	<340	<3.3	<3.0	<3.1	<3.0	<3.0	<3.0	<3.0
Pentachlorophenol	<36	<410	<4.0	<3.6	<3.7	<3.6	<3.6	<3.6	<3.6
Phenol	104	224	<1.7	<1.5	70.4	22.8	<1.5	9,410	8,930
2,4,6-Trichlorophenol	1,100	1,000	<3.0	<2.7	<2.8	<2.7	<2.7	599	602
Sub Total 1	2,354	2,514	6	11	79	23	0	13,394	12,518
Miscellaneous Acid Extractable Organic Compounds									
4-Chlorophenol CWO?	NA	<1100	NA	12.7	<10	<10	<10	2,600	4,820
2-Methylphenol	NA	NA	<11	NA	NA	NA	NA	NA	NA
4-Methylphenol	NA	NA	<11	NA	NA	NA	NA	NA	NA
Benzoic acid	NA	NA	<11	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	<11	NA	NA	NA	NA	NA	NA
Sub Total 2	0	0	0	13	0	0	0	2,600	4,820
Total Acid Compounds Analyzed	2,354	2,514	6	24	79	23	0	15,994	17,338

Table 3. Summary of Acid Extractable Compounds in Ground Water, Krummrich Plant, S.

Well Number:	P-7	P-7	P-7	P-7	P-7	P-
Date:	3/87	11/87	5/88	11/88	3/89	11/8
Laboratory:	ETC	ETC	ETC	ETC	ETC	ET
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L						
2-Chlorophenol	1,660	331	1,590	982	580	2,
2,4-Dichlorophenol	<30	748	7,960	5,490	1,910	7,
2,4-Dimethylphenol	<30	<2.8	<3.1	<28	<28	
4,6-Dinitro-o-cresol	<260	<24	<27	<250	<250	<
2,4-Dinitrophenol	<460	<43	<48	<430	<430	<
2-Nitrophenol	<40	<3.7	<4.1	<37	<37	
4-Nitrophenol	130	18.2	79.5	<25	<25	
p-Chloro-m-cresol	<33	<3.1	<3.4	<31	<31	
Pentachlorophenol	<40	<3.7	<4.1	<37	<37	
Phenol CUC E.1	11,400	3,090	19,000	7,410	6,750	21
2,4,6-Trichlorophenol	2170	336	2820	3,180	509	3
Sub Total 1	15,360	4,523	31,450	17,062	9,749	3
Miscellaneous Acid Extractable Organic Compounds						
4-Chlorophenol	NA	4,650	5,660	2,130	2,650	
2-Methylphenol	<110	NA	NA	NA	NA	
4-Methylphenol	<110	NA	NA	NA	NA	
Benzoic acid	1,720	NA	NA	NA	NA	
2,4,5-Trichlorophenol	<110	NA	NA	NA	NA	
Sub Total 2	1,720	4,650	5,660	2,130	2,650	
Total Acid Compounds Analyzed	17,080	9,173	37,110	19,192	12,399	

Table 2. Summary of Acid Extractable Compounds in Ground Water, Krummrich Plant

Well Number:	P-8	P-8	P-8	P-8	P-10
Date:	5/88	11/88	3/89	11/89	11/87
Laboratory:	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L					
2-Chlorophenol	5,290	8,100	6,450	10,700	22.4
2,4-Dichlorophenol	3,880	4,450	3,680	9,780	<2.7
2,4-Dimethylphenol	410	318	<1400	<1500	9.64
4,6-Dinitro-o-cresol	<2,600	<2,400	<12000	<14000	<24
2,4-Dinitrophenol	<4,500	<4,300	<21000	<24000	<42
2-Nitrophenol	<380	<370	<1800	<2000	<3.6
4-Nitrophenol	<260	<240	<1200	<1400	<2.4
p-Chloro-m-cresol	<320	<310	<1500	<1700	<3.0
Pentachlorophenol	<380	<370	<1800	<2000	<3.6
Phenol	38,700	6,080	8,490	29,200	69.3
2,4,6-Trichlorophenol	446	370	<1400	<1500	<2.7
Sub Total 1	48,726	19,318	18,620	49,680	101
Miscellaneous Acid Extractable Organic Compounds					
4-Chlorophenol	13,400	9,600	<5100	19400	2,330
2-Methylphenol	NA	NA	<5100	NA	NA
4-Methylphenol	NA	NA	<5100	NA	NA
Benzoic acid	NA	NA	<5100	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA
Sub Total 2	13,400	9,600	0	19,400	2,330
Total Acid Compounds Analyzed	62,126	28,918	18,620	69,080	2,431

Table 2. Summary of Acid Extractable Compounds in Ground Water, Krummrich Pla

Well Number:	P-14	Blank
Date:	11/87	3/87
Laboratory:	ETC	ETC
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L		
2-Chlorophenol	26.6	<3.5
2,4-Dichlorophenol	<3.0	<2.9
2,4-Dimethylphenol	<3.0	<2.9
4,6-Dinitro-o-cresol	<26	<26
2,4-Dinitrophenol	<46	<45
2-Nitrophenol	<4.0	<3.8
4-Nitrophenol	<2.6	<2.6
p-Chloro-m-cresol	<3.3	4.1
Pentachlorophenol	<4.0	<3.8
Phenol	<1..6	<1.6
2,4,6-Trichlorophenol	<3.0	<2.9
Sub Total 1	27	4
Miscellaneous Acid Extractable Organic Compounds		
4-Chlorophenol	12.9	NA
2-Methylphenol	NA	<11
4-Methylphenol	NA	<11
Benzoic acid	NA	<11
2,4,5-Trichlorophenol	NA	<11
Sub Total 2	13	0
Total Acid Compounds Analyzed	40	4

Table 2 Summary of Base Neutral Compounds in Ground Water, Krumrich Plant, Bal

Well Number:	GM-17B	GM-17B	GM-17B	GM-17B	GM-17B
Date:	12/86	5/87	11/87	5/88	11/88
Laboratory:	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Base/Neutral Extractable Organic Compounds concentrations are in ug/L					
Acenaphthene	<2.1	<2.2	<2.0	<1.9	<2.3
Acenapthylene	<3.8	<4.1	<3.6	<3.6	<4.2
Anthracene	<2.1	<2.2	<2.0	<1.9	<2.3
Benzidine	<48	<51	<45	<45	<52
Benzo (a) anthracene	<8.5	<9.1	<8.0	<8.0	<9.3
Benzo (a) pyrene	<2.7	<2.9	<2.6	<2.6	<3.0
Benzo (b) fluoroanthene	<11	<12	<10	<4.9	<5.7
Benzo (ghi) perylene	<4.5	<4.8	<4.2	<4.2	<4.9
Benzo (k) fluoranthene	<3.8	<4.1	<3.6	<2.6	<3.0
Bis (2-chloroethoxy) methane	<5.8	<6.2	<5.5	<5.4	<6.3
Bis (2-chloroethyl) ether	<6.2	<6.6	<5.9	<5.8	<6.8
Bis (2-chloroisopropyl) ether	<6.2	<6.6	<5.9	<5.8	<6.8
Bis (2-ethylhexyl) phthalate	<11	<12	<10	<10	48.9
4-Bromophenyl phenyl ether	<2.1	<2.2	<2.0	<1.9	<2.3
Butyl benzyl phthalate	<11	<12	<10	<10	<12
2-Chloronaphthalene	<2.1	<2.2	<2.0	<1.9	<2.3
4-Chloropnenyl phenyl ether	<4.6	<4.9	<4.3	<4.3	<5.0
Chrysene	<2.7	<2.9	<2.6	<2.6	<3.0
Dibenzo (a,h) anthracene	<11	<12	<10	<10	<12
1,2-Dichlorobenzene	2.6	<2.2	<2.0	<1.9	<2.3
1,3-Dichlorobenzene	<2.1	<2.2	<2.0	<1.9	54.9
1,4-Dichlorobenzene	50.8	32.6	26.5	12.4	5.44
3,3-Dichlorobenzidine	<18	<19	<17	<17	<20
Diethyl phthalate	<11	<12	<10	<10	<12
Dimethyl phthalate	<11	<12	<10	<10	<12
Di-n-butyl phthalate	<11	17.3	<10	<10	<12
2,4-Dinitrotoluene	<6.2	<6.6	<5.9	<5.8	<6.8
2,6-Dinitrotoluene	<2.1	<2.2	<2.0	<1.9	<2.3
Di-n-octyl phthalate	<11	<12	<10	<10	<12
1,2-Diphenylhydrazine	<11	<12	<10	<10	<12
Fluoranthene	<2.4	<2.6	<2.3	<2.2	<2.6
Fluorene	<2.1	<2.2	<2.0	<1.9	<2.3
Hexachlorobenzene	<2.1	<2.2	<2.0	<2.0	<2.3
Hexachlorobutadiene	<1	<1	<.93	<0.9	<1.1
Hexachlorocyclopentadiene	<11	<12	<10	<10	<12
Hexachloroethane	<1.7	<1.9	<1.6	<1.6	<1.9
Indeno (1,2,3-c,d) pyrene	<5.1	<5.5	<4.8	<4.8	<5.6
Isophorone	<2.4	<2.6	<2.3	<2.2	<2.6
Naphthalene	<1.7	<1.9	<1.6	<1.6	<1.9
Nitrobenzene	<2.1	<2.2	<2.0	<1.9	<2.3
n-Nitrosodimethylamine	<11	<12	<10	<10	<12
n-Nitrosodi-n-propylamine	<11	<12	<10	<10	<12
n-Nitrosodiphenylamine	<2.1	<2.2	<2.0	<1.9	<2.3
Phenanthrene	<5.9	<6.3	<5.6	<5.5	<6.4
Pyrene	<2.1	<2.2	<2.0	<1.9	<2.3
1,2,4-Trichlorobenzene	<2.1	<2.2	<2.0	<1.9	<2.3
Sub Total 1	53	50	27	12	109

Table 3 Summary of Base/Neutral Compounds in Ground Water Armstrong Plant, Pa.

Well Number:	GM-17B	GM-17B	GM-17B	GM-17B	GM-17B
Date:	12/86	5/87	11/87	5/88	11/88
Laboratory:	ETC	ETC	ETC	ETC	ETC
Miscellaneous Base/Neutral Extractable Organic Compounds concentrations are in ug/L					
1-Chloro-2-nitrobenzene	NA	NA	NA	NA	NA
1-Chloro-4-Nitrobenzene	NA	NA	NA	NA	NA
2,4-and 3,4-Dinitrochlorobenzene	NA	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA
4-Nitroaniline	NA	NA	NA	NA	NA
2-Nitrochlorobenzene	NA	NA	NA	NA	NA
4-Nitrochlorobenzene	NA	NA	NA	NA	NA
4-Nitrodiphenylamine	NA	NA	NA	NA	NA
Triphenyl phosphate	NA	NA	NA	NA	NA
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA
2-Nitrobiphenyl	NA	NA	NA	NA	NA
4-Nitrobiphenyl	NA	NA	NA	NA	NA
Benzyl alcohol	NA	NA	NA	NA	NA
Aniline	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA
2-Methylnaphtalene	NA	NA	NA	NA	NA
N-nitroaniline	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA
Sub Total 2	0	0	0	0	0
Total Base/Neutral Compounds	53	50	27	12	109

Table 1 Summary of Base Neutral Compounds in Ground Water, Armagosa Plant, Sa..

Well Number:	GM-17C	GM-17C	GM-17C	GM-17C	GM-17C
Date:	11/87	5/88	11/88	5/89	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC
Miscellaneous Base/Neutral Extractable Organic Compounds concentrations are in ug/L					
1-Chloro-2-nitrobenzene	NA	NA	NA	NA	NA
1-Chloro-4-Nitrobenzene	NA	NA	NA	NA	NA
2,4-and 3,4-Dinitrochlorobenzene	NA	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA
4-Nitroaniline	NA	NA	NA	NA	NA
2-Nitrochlorobenzene	NA	NA	NA	NA	NA
4-Nitrochlorobenzene	NA	NA	NA	NA	NA
4-Nitrodiphenylamine	NA	NA	NA	NA	NA
Triphenyl phosphate	NA	NA	NA	NA	NA
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA
2-Nitrobiphenyl	NA	NA	NA	NA	NA
4-Nitrobiphenyl	NA	NA	NA	NA	NA
Benzyl alcohol	NA	NA	NA	NA	NA
Aniline	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA
2-Methylnaphtalene	NA	NA	NA	NA	NA
N-nitroaniline	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA
Sub Total 2	0	0	0	0	0
Total Base/Neutral Compounds	1,498	1,202	1,480	429	606

Table 1 Summary of Base Neutral Compounds in Ground Water, Armstrong Plant, Sa.4

Well Number:	GM-17C	GM-17C	GM-17C	GM-17C	GM-17C
Date:	11/87	5/88	11/88	5/89	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Base/Neutral Extractable Organic Compounds concentrations are in ug/L					
Acenapnthene	<40	<2.0	<19	<2.0	<2.0
Acenapthylene	<73	<3.6	<36	<3.7	<3.6
Anthracene	<40	<2.0	<19	<2.0	<2.0
Benzidine	<920	<46	<450	<46	<46
Benzo (a) anthracene	<160	<8.1	<80	<8.2	<8.1
Benzo (a) pyrene	<52	<2.6	<26	<2.6	<2.6
Benzo (b) fluoroanthene	<210	<5.0	<49	<5.1	<5.0
Benzo (ghi) perylene	<85	<4.3	<42	<4.3	<4.3
Benzo (k) fluoranthene	<73	<2.6	<26	<2.6	<2.6
Bis (2-chloroethoxy) methane	<110	<5.5	<54	<5.6	<5.5
Bis (2-chloroethyl) ether	<120	<5.9	<58	<6.0	<5.9
Bis (2-chloroisopropyl) ether	<120	<5.9	<58	<6.0	<5.9
Bis (2-ethylhexyl) phthalate	<210	22.5	144	11	59.6
4-Bromophenyl phenyl ether	<40	<2.0	<19	<2.0	<2.0
Butyl benzyl phthalate	<210	<10	<100	<11	<10
2-Chloronaphthalene	<40	<2.0	<19	<2.0	<2.0
4-Chlorophenyl phenyl ether	<87	<4.4	<43	<4.4	<4.4
Chrysene	<52	<2.6	<26	<2.6	<2.6
Dibenzo (a,h) anthracene	<210	<10	<100	<11	<10
1,2-Dichlorobenzene	83.4	69.4	94.2	61.0	40.1
1,3-Dichlorobenzene	44.1	39.8	42.1	36.9	31.3
1,4-Dichlorobenzene	1,370	1,070	1,190	304	475
3,3-Dichlorobenzidine	<340	<17	<170	<17	<17
Diethyl phthalate	<210	<10	<100	<11	<10
Dimethyl phthalate	<210	<10	<100	<11	<10
Di-n-butyl phthalate	<210	<10	<100	<11	<10
2,4-Dinitrotoluene	<120	<5.9	<58	<6.0	<5.9
2,6-Dinitrotoluene	<40	<2.0	<19	<2.0	<2.0
Di-n-octyl phthalate	<210	<10	<100	<11	<10
1,2-Diphenylhydrazine	<210	<10	<100	<11	<10
Fluoranthene	<46	<2.3	<22	<2.3	<2.3
Fluorene	<40	<2.0	<19	<2.0	<2.0
Hexachlorobenzene	<40	<2.0	<19	<2.0	<2.0
Hexachlorobutadiene	<19	<0.9	9.2	<9.5	<.94
Hexachlorocyclopentadiene	<210	<10	<100	<11	<10
Hexachloroethane	<33	<1.7	<16	<1.7	<1.7
Indeno (1,2,3-c,d) pyrene	<98	<4.9	<48	<4.9	<4.9
Isophorone	<46	<2.3	<22	<2.3	<2.3
Naphthalene	<33	<1.7	<16	<1.7	<1.7
Nitrobenzene	<40	<2.0	<19	<2.0	<2.0
n-Nitrosodimethylamine	<210	<10	<100	<11	<10
n-Nitrosodi-n-propylamine	<210	<10	<100	<11	<10
n-Nitrosodiphenylamine	<40	<2.0	<19	16.3	<2.0
Phenanthrene	<110	<5.6	<55	<5.7	<5.6
Pyrene	<40	<2.0	<19	<2.0	<2.0
1,2,4-Trichlorobenzene	<40	<2.0	<19	<2.0	<2.0
Sub Total 1	1,498	1,202	1,480	429	606

y of Base Neutral Compounds in Ground Water, Armagosa Plant, Sandy, Utah

Well Number:	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B	GM-28C	GM-28C	GM-28C
Date:	12/86	5/87	11/87	5/88	3/89	11/89	12/86	5/87	11/87
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
tant									
able									
n ug/L									
	NA	NA	<190	<120	<20	<21	NA	NA	<1.9
	NA	NA	<350	<220	<36	<38	NA	NA	<3.5
	NA	NA	<190	<120	<20	<21	NA	NA	<1.9
	NA	NA	<4400	<2,700	<450	<480	NA	NA	<44
	NA	NA	<790	<480	<80	<86	NA	NA	<7.8
	NA	NA	<250	<150	<26	<27	NA	NA	<2.5
ene	NA	NA	<1000	<300	<49	<53	NA	NA	<10
	NA	NA	<410	<250	<42	<45	NA	NA	<4.1
ne	NA	NA	<350	<150	<26	<27	NA	NA	<3.5
methane	NA	NA	<540	<330	<55	<58	NA	NA	<5.3
ether	NA	NA	<580	<350	<59	<63	NA	NA	<5.7
yl) ether	NA	NA	<580	<350	<59	<63	NA	NA	<5.7
hthalate	NA	NA	<1000	<620	<100	<110	NA	NA	<10
ether	NA	NA	<190	<120	<20	<21	NA	NA	<1.9
te	NA	NA	<1000	<620	<100	<110	NA	NA	<10
	NA	NA	<190	<120	<20	<21	NA	NA	<1.9
l ether	NA	NA	<420	<260	<43	<46	NA	NA	<4.2
	NA	NA	<250	<150	<26	<27	NA	NA	<2.5
cene	NA	NA	<1000	<620	<100	<110	NA	NA	<10
	NA	NA	3,830	4,560	3,380	6,770	NA	NA	3,040
	NA	NA	<190	<120	<20	<21	NA	NA	<1.9
	NA	NA	<440	338	200	378	NA	NA	193
e	NA	NA	<1700	<1,000	<170	<180	NA	NA	47.0
	NA	NA	<1000	<620	<100	<110	NA	NA	<10
	NA	NA	<1000	<620	<100	<110	NA	NA	<10
	NA	NA	<1000	<620	<100	<110	NA	NA	<10
	NA	NA	<580	<350	<59	<63	NA	NA	<5.7
	NA	NA	<190	<120	<20	<21	NA	NA	<1.9
	NA	NA	<1000	<620	<100	<110	NA	NA	<10
e	NA	NA	<1000	<620	<100	<110	NA	NA	<10
	NA	NA	<220	<140	<23	<24	NA	NA	<2.2
	NA	NA	<190	<120	<20	<21	NA	NA	<1.9
	NA	NA	<190	<120	<20	<21	NA	NA	<1.9
	NA	NA	<91	<56	<9.3	<9.9	NA	NA	<.90
diene	NA	NA	<1000	<620	<100	<110	NA	NA	<10
	NA	NA	<160	<99	<16	<18	NA	NA	<1.6
yrene	NA	NA	<470	<290	<48	<52	NA	NA	<4.7
	NA	NA	<220	<140	<23	<24	NA	NA	<2.2
	NA	NA	<160	<99	<16	<18	NA	NA	<1.6
	NA	NA	1,190	919	<20	<21	NA	NA	1.9
ne	NA	NA	<1000	<620	<100	<110	NA	NA	[illegible]
amine	NA	NA	<1000	<620	<100	<110	NA	NA	<10
ne	NA	NA	<190	<120	<20	<21	NA	NA	<1.9
	NA	NA	<550	<330	<56	<59	NA	NA	<5.4
	NA	NA	<190	<120	<20	<21	NA	NA	<1.9
ne	NA	NA	<190	<120	<20	<21	NA	NA	<1.9
al 1	0	0	5,020	5,817	3,580	7,148	0	0	3,280

Table 3. Summary of Base Neutral Compounds in Groundwater, Kramerian Plant, Saga

Well Number:	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B
Date:	12/86	5/87	11/87	5/88	3/89
Laboratory:	ETC	ETC	ETC	ETC	ETC
Miscellaneous Base/Neutral Extractable Organic Compounds concentrations are in ug/L					
1-Chloro-2-nitrobenzene	NA	NA	NA	NA	8,660
1-Chloro-4-Nitrobenzene	NA	NA	NA	NA	34,700
2,4-and 3,4-Dinitrochlorobenzene	<11	<1100	<1000	<620	<100
2-Nitroaniline	<11	<1100	<1000	<620	<100
4-Nitroaniline	<11	<1100	<1000	<620	<100
2-Nitrochlorobenzene	<11	<1100	13,100	17,900	NA
4-Nitrochlorobenzene	<11	<1100	28,800	43,800	NA
4-Nitrodiphenylamine	<11	<1100	<1000	<620	<100
Triphenyl phosphate	<11	<1100	<1000	<620	<100
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA
2-Nitrobiphenyl	NA	NA	NA	<620	NA
4-Nitrobiphenyl	NA	NA	NA	<620	NA
Benzyl alcohol	NA	NA	NA	NA	NA
Aniline	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA
2-Methylnaphtalene	NA	NA	NA	NA	NA
N-nitroaniline	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA
Sub Total 2	0	0	41,900	61,700	43,360
Total Base/Neutral Compounds	0	0	46,920	67,517	46,940

Table 3 Summary of Base Neutral Compounds in Ground Water, Chromium Plant, Ba...

Well Number:	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C
Date:	5/88	11/88	3/89	3/89 *	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Base/Neutral Extractable Organic Compounds concentrations are in ug/L					
Acenaphthene	<130	<2.2	<1900	<190	<2.2
Acenapthylene	<250	<4.0	<3600	<350	<4.1
Anthracene	<130	<2.2	<1900	<190	<2.2
Benzidine	<3,100	<50	<45000	<4400	<51
Benzo (a) anthracene	<550	<8.9	<8000	<780	<9.1
Benzo (a) pyrene	<180	<2.8	<2600	<250	<2.9
Benzo (b) fluoroanthene	<340	<5.5	<4900	<480	<5.6
Benzo (ghi) perylene	<290	<4.7	<4200	<410	<4.8
Benzo (k) fluoranthene	<180	<2.8	<2600	<250	<2.9
Bis (2-chloroethoxy) methane	<370	<6.0	<5400	<530	<6.2
Bis (2-chloroethyl) ether	<400	<6.5	<5800	<570	<6.6
Bis (2-chloroisopropyl) ether	<400	<6.5	<5800	<570	<6.6
Bis (2-ethylhexyl) phthalate	<700	32.7	<10000	<1000	23.9
4-Bromophenyl phenyl ether	<130	<2.2	<1900	<190	<2.2
Butyl benzyl phthalate	<700	<11	<10000	<1000	<12
2-Chloronaphthalene	<130	<2.2	<1900	<190	<2.2
4-Chlorophenyl phenyl ether	<300	<4.8	<4300	<430	<4.9
Chrysene	<180	<2.8	<2600	<250	<2.9
Dibenzo (a,h) anthracene	<700	<11	<10000	<1000	<12
1,2-Dichlorobenzene	3,370	5,810	5,470	5,640	3,880
1,3-Dichlorobenzene	<130	11.1	<1900	<190	17.4
1,4-Dichlorobenzene	<310	199	<4500	<440	167
3,3-Dichlorobenzidine	<1,200	<19	<17000	<1700	<19
Diethyl phthalate	<700	<11	<10000	<1000	<12
Dimethyl phthalate	<700	<11	<10000	<1000	<12
Di-n-butyl phthalate	<700	<11	<10000	<1000	<12
2,4-Dinitrotoluene	<400	<6.5	<5800	<570	<6.6
2,6-Dinitrotoluene	<130	<2.2	<1900	<190	<2.2
Di-n-octyl phthalate	<700	<11	<10000	<1000	<12
1,2-Diphenylhydrazine	<700	<11	<10000	<1000	<12
Fluoranthene	<150	<2.5	<2200	<220	<2.6
Fluorene	<130	<2.2	<1900	<190	<2.2
Hexachlorobenzene	<130	<2.2	<1900	<190	<2.2
Hexachlorobutadiene	<63	<1.0	<920	<90	<1.0
Hexachlorocyclopentadiene	<700	<11	10000	<1000	<12
Hexachloroethane	<110	<1.8	<2600	<160	<1.9
Indeno (1,2,3-c,d) pyrene	<330	<5.3	<4800	<470	<5.5
Isophorone	<150	<2.5	<2200	<220	<2.6
Naphthalene	<110	<1.8	<1600	<160	2.91
Nitrobenzene	<130	9.81	<1900	210	<2.2
n-Nitrosodimethylamine	<700	<11	<10000	<1000	<12
n-Nitrosodi-n-propylamine	<700	<11	<10000	<1000	<12
n-Nitrosodiphenylamine	<130	<2.2	<1900	<190	<2.2
Phenanthrene	<380	<6.1	<5500	<540	<6.3
Pyrene	<130	<2.2	<1900	<190	<2.2
1,2,4-Trichlorobenzene	<130	138	<1900	<190	57.1
Sub Total 1	3,370	6,201	15,470	5,850	4,148

Table [illegible] Summary of Base/Neutral Compounds in Ground Water, Chemical Plant, Sauge

Well Number:	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C
Date:	5/88	11/88	3/89	3/89 *	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC
Miscellaneous Base/Neutral Extractable Organic Compounds concentrations are in ug/L					
1-Chloro-2-nitrobenzene	NA	NA	20,500	26,300	238
1-Chloro-4-Nitrobenzene	NA	NA	27,600	55,800	591
2,4-and 3,4-Dinitrochlorobenzene	<700	<11	<10000	<1000	<12
2-Nitroaniline	<700	21.9	<10000	<1000	<12
4-Nitroaniline	<700	<11	<10000	<1000	<12
2-Nitrochlorobenzene	15,400	23,700	NA	NA	NA
4-Nitrochlorobenzene	30,600	45,300	NA	NA	NA
4-Nitrodiphenylamine	<700	107	<10000	<1000	<12
Triphenyl phosphate	<700	<11	<10000	<1000	<12
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA
2-Nitrobiphenyl	<700	NA	NA	NA	<12
4-Nitrobiphenyl	<700	NA	NA	NA	<12
Benzyl alcohol	NA	NA	NA	NA	NA
Aniline	NA	NA	NA	NA	8,920
4-Chloroaniline	NA	NA	NA	NA	NA
2-Methylnaphtalene	NA	NA	NA	NA	NA
N-nitroaniline	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA
Sub Total 2	46,000	69,129	48,100	82,100	9,749
Total Base/Neutral Compounds	49,370	75,330	63,570	87,950	13,897

Table : Summary of Base Neutral Compounds in Ground Water, Krumpton Plant, Sauget, Illinois

Well Number:	GM-31A	GM-31A	GM-31A	GM-31A	GM-31A	GM-31A	GM-31A	GM-31A	GM-31A
Date:	11/87	11/87*	5/88	5/88*	11/88	11/88 *	11/88	11/88 *	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	SL	SL	ETC
USEPA Priority Pollutant Base/Neutral Extractable Organic Compounds concentrations are in ug/L									
Acenaphthene	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	<1.9
Acenapthylene	<3.6	<3.6	<3.5	<3.7	<190	<360	<100	<100	<3.6
Anthracene	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	<1.9
Benzidine	<46	<46	<44	<46	<2,300	<4,500	<800	<800	<45
Benzo (a) anthracene	<8.1	<8.1	<7.8	<8.2	<410	<800	<100	<100	<8.0
Benzo (a) pyrene	<2.6	<2.6	<2.5	<2.6	<130	<260	<100	<100	<2.6
Benzo (b) fluoroanthene	<10	<10	<4.8	<5.0	<260	<490	<100	<100	<4.9
Benzo (ghi) perylene	<4.3	<4.3	<4.1	<4.3	<220	<420	<100	<100	<4.2
Benzo (k) fluoranthene	<3.6	<3.6	<2.5	<2.6	<130	<260	<100	<100	<2.6
Bis (2-chloroethoxy) methane	<5.5	<5.5	<5.3	<5.5	<280	<550	<100	<100	<5.4
Bis (2-chloroethyl) ether	<5.9	<5.9	<5.7	<6.0	<300	<590	<100	<100	<5.8
Bis (2-chloroisopropyl) ether	<5.9	<5.9	<5.7	<6.0	<300	<590	<100	<100	<5.8
Bis (2-ethylhexyl) phthalate	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
4-Bromophenyl phenyl ether	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	<1.9
Butyl benzyl phthalate	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
2-Chloronaphthalene	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	<1.9
4-Chlorophenyl phenyl ether	<4.4	<4.4	<4.2	<4.4	<220	<430	<100	<100	<4.3
Chrysene	<2.6	<2.6	<2.5	<2.6	<130	<260	<100	<100	<2.6
Dibenzo (a,h) anthracene	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
1,2-Dichlorobenzene	22.2	19.8	24.3	23.3	243	<200	<100	<100	42.8
1,3-Dichlorobenzene	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	<1.9
1,4-Dichlorobenzene	11.9	11.7	12.2	11.8	<230	<450	<100	<100	15.7
3,3-Dichlorobenzidine	<17	<17	<17	<17	<880	<1,700	<200	<200	<17
Diethyl phthalate	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
Dimethyl phthalate	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
Di-n-butyl phthalate	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
2,4-Dinitrotoluene	<5.9	<5.9	<5.7	<6.0	<300	<590	<100	<100	<5.8
2,6-Dinitrotoluene	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	<1.9
Di-n-octyl phthalate	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
1,2-Diphenylhydrazine	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
Fluoranthene	<2.3	<2.3	<2.2	<2.3	<120	<230	<100	<100	<2.2
Fluorene	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	<1.9
Hexachlorobenzene	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	<1.9
Hexachlorobutadiene	<.94	<.94	<0.9	<0.9	<48	<93	<100	<100	<.92
Hexachlorocyclopentadiene	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
Hexachloroethane	<1.7	<1.7	<1.6	<1.7	<85	<160	<100	<100	<1.6
Indeno (1,2,3-c,d) pyrene	<4.9	<4.9	<4.7	<4.9	<250	<480	<100	<100	<4.8
Isophorone	<2.3	<2.3	<2.2	<2.3	<120	<230	<100	<100	<2.2
Naphthalene	<1.7	<1.7	<1.6	<1.7	<85	<160	<100	<100	<1.5
Nitrobenzene	309	307	84.9	75.9	217	<200	290	250	129
N-Nitrosodimethylamine	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
N-Nitrosodi-n-propylamine	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
N-Nitrosodiphenylamine	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	<1.9
Phenanthrene	<5.6	<5.6	<5.4	<5.7	<290	<560	<100	<100	<5.5
Pyrene	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	<1.9
1,2,4-Trichlorobenzene	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	<1.9
Sub Total 1	343	339	121	111	460	0	290	250	188

Table 3 Summary of Base Neutral Compounds in Ground water, Armstrong Plant, Sauge

Well Number:	GM-31A	GM-31A	GM-31A	GM-31A	GM-31A
Date:	11/87	11/87*	5/88	5/88*	11/88
Laboratory:	ETC	ETC	ETC	ETC	ETC
Miscellaneous Base/Neutral Extractable Organic Compounds concentrations are in ug/L					
1-Chloro-2-nitrobenzene	NA	NA	NA	NA	NA
1-Chloro-4-Nitrobenzene	NA	NA	NA	NA	NA
2,4-and 3,4-Dinitrochlorobenzene	19,800	22,900	1,170	1,250	2,700
2-Nitroaniline	21.3	20.8	15.9	16.3	<530
4-Nitroaniline	<10	<10	<10	<10	<530
2-Nitrochlorobenzene	4,190	4,460	2,400	723	596
4-Nitrochlorobenzene	8,330	9,130	2,480	2,330	3,200
4-Nitrodiphenylamine	<10	<10	<10	<10	<530
Triphenyl phosphate	<10	<10	<10	<10	<530
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA
2-Nitrobiphenyl	<10	<10	<10	<10	<530
4-Nitrobiphenyl	<10	<10	<10	<10	<530
Benzyl alcohol	NA	NA	NA	NA	NA
Aniline	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA
2-Methylnaphtalene	NA	NA	NA	NA	NA
N-nitroaniline	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA
Sub Total 2	32,341	36,511	6,066	4,319	6,496
Total Base/Neutral Compounds	32,684	36,849	6,187	4,430	6,956

Table 1 Summary of Base Neutral Compounds in Ground Water, Aromatics Plant, Sa[illegible]

Well Number:	GM-31A	GM-55C	GM-55C	GM-55C	GM-55C	G[illegible]
Date:	11/89 *	11/87	5/88	11/88	11/89	
Laboratory:	CTL Sb	ETC	ETC	ETC	ETC	
USEPA Priority Pollutant Base/Neutral Extractable Organic Compounds concentrations are in ug/L						
Acenapnthene	<2.0	<2.0	<45	<210	<230	
Acenapthylene	<3.6	<3.6	<82	<390	<420	
Anthracene	<2.0	<2.0	<45	<210	<230	
Benzidine	<45	<46	<1,000	<4,900	<5300	
Benzo (a) anthracene	<8.0	<8.1	<180	<880	<940	
Benzo (a) pyrene	<2.6	<2.6	<59	<280	<300	
Benzo (b) fluoroanthene	<4.9	<10	<110	<540	<580	
Benzo (ghi) perylene	<4.2	<4.3	<96	<460	<490	
Benzo (k) fluoranthene	<2.6	<3.6	<59	<280	<300	
Bis (2-chloroethoxy) methane	<5.5	<5.5	<120	<600	<640	
Bis (2-chloroethyl) ether	<5.9	5.9	<130	<640	<690	
Bis (2-chloroisopropyl) ether	<5.9	5.9	<130	<640	<690	
Bis (2-ethylhexyl) phthalate	<10	<10	<240	<1,100	<1200	
4-Bromophenyl phenyl ether	<2.0	<2.0	<45	<210	<230	
Butyl benzyl phthalate	<10	<10	<240	<1,100	<1200	
2-Chloronaphthalene	<2.0	<2.0	<45	<210	<230	
4-Chlorophenyl phenyl ether	<4.3	<4.4	<99	<470	<510	
Chrysene	<2.6	<2.6	<59	<280	<300	
Dibenzo (a,h) anthracene	<10	<10	<240	<1,100	<1200	
1,2-Dichlorobenzene	37.6	6.00	693	4,030	4,760	
1,3-Dichlorobenzene	<2.0	<2.0	<45	<210	<230	
1,4-Dichlorobenzene	15.0	38.7	311	<490	<530	
3,3-Dichlorobenzidine	<17	<17	<390	<1,900	<2000	
Diethyl phthalate	<10	<10	<240	<1,100	<1200	
Dimethyl phthalate	<10	<10	<240	<1,100	<1200	
Di-n-butyl phthalate	<10	<10	<240	<1,100	<1200	
2,4-Dinitrotoluene	<5.9	<5.9	<130	<640	<690	
2,6-Dinitrotoluene	<2.0	<2.0	<45	<210	<230	
Di-n-octyl phthalate	<10	<10	<240	<1,100	<1200	
1,2-Diphenylhydrazine	<10	<10	<240	<1,100	<1200	
Fluoranthene	<2.3	4.21	<52	<250	<270	
Fluorene	<2.0	<2.0	<45	<210	<230	
Hexachlorobenzene	<2.0	<2.0	<45	<210	<230	
Hexachlorobutadiene	<.93	<.94	<21	<100	<110	
Hexachlorocyclopentadiene	<10	<10	<240	<1,100	<1200	
Hexachloroethane	<1.6	<1.7	<38	<180	<190	
Indeno (1,2,3-c,d) pyrene	<4.8	<4.9	<110	<530	<570	
Isophorone	<2.3	<2.3	<52	<250	<270	
Naphthalene	<1.6	<1.7	<38	<180	<190	
Nitrobenzene	114	<2.0	<45	<210	<230	
n-Nitrosodimethylamine	<10	<10	<240	<1,100	<1200	
n-Nitrosodi-n-propylamine	<10	<10	<240	<1,100	<1200	
n-Nitrosodiphenylamine	<2.0	<2.0	<45	<210	<230	
Phenanthrene	<5.6	<5.6	<130	<610	<650	
Pyrene	<2.0	3.14	<45	<210	<230	
1,2,4-Trichlorobenzene	<2.0	<2.0	<45	<210	<230	
Sub Total 1	167	64	1,004	4,030	4,760	

Table 3. Summary of Base Neutral Compounds in Ground Water, Armstrong Plant, Saugus, M

Well Number:	GM-31A	GM-55C	GM-55C	GM-55C	GM-55C	GM-5
Date:	11/89 *	11/87	5/88	11/88	11/89	11/
Laboratory:	ERC-SL	ETC	ETC	ETC	ETC	E
Miscellaneous Base/Neutral Extractable Organic Compounds concentrations are in ug/L						
1-Chloro-2-nitrobenzene	175	NA	NA	NA	38,800	
1-Chloro-4-Nitrobenzene	754	NA	NA	NA	66,700	
2,4-and 3,4-Dinitrochlorobenzene	278	<10	<240	<1,100	<1200	<1
2-Nitroaniline	13.1	<10	<240	<1,100	<1200	<1
4-Nitroaniline	<10	<10	<240	<1,100	<1200	<1
2-Nitrochlorobenzene	NA	<10	2,980	41,700	NA	84,5
4-Nitrochlorobenzene	NA	14.6	1,140	74,600	NA	24,8
4-Nitrodiphenylamine	<10	<10	<240	<1,100	<1200	<1
Triphenyl phosphate	<10	<10	<240	<1,100	<1200	<1
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA	
2-Nitrobiphenyl	291	NA	<240	NA	<1200	
4-Nitrobiphenyl	<10	NA	<240	NA	<1200	
Benzyl alcohol	NA	NA	NA	NA	NA	
Aniline	NA	NA	NA	NA	1,220	
4-Chloroaniline	NA	NA	NA	NA	NA	
2-Methylnaphtalene	NA	NA	NA	NA	NA	
N-nitroaniline	NA	NA	NA	NA	NA	
Dibenzofuran	NA	NA	NA	NA	NA	
Sub Total 2	1,511	15	4,120	116,300	106,720	109
Total Base/Neutral Compounds	1,678	78	5,124	120,330		111

Table 1 Summary of Base Neutral Compounds in Ground Water, Chemical Plant, Sauget.

Well Number:	GM-56C	GM-57C	GM-57C	GM-57C	GM-57C	GM
Date:	11/89	11/87	11/87*	5/88	5/88*	1
Laboratory:	CTC	ETC	ETC	ETC	ETC	
USEPA Priority Pollutant Base/Neutral Extractable Organic Compounds concentrations are in ug/L		Dilg to Low.				
Acenaphthene	<2.2	<210	<220	<96	<98	
Acenapthylene	<4.0	<380	<400	<180	<180	
Anthracene	<2.2	<210	<220	<96	<98	
Benzidine CU07	<50	~~<4800~~	~~<5100~~	~~<2,200~~	~~<2,300~~	~~<~~
Benzo (a) anthracene	<8.9	<860	<900	<390	<400	
Benzo (a) pyrene (.0002 .0021)	<2.8	<270	<290	<130	<130	
Benzo (b) fluoroanthene	<5.5	<1100	<1100	<240	<250	
Benzo (ghi) perylene	<4.7	<450	<470	<210	<210	
Benzo (k) fluoranthene	<2.8	<380	<400	<130	<130	
Bis (2-chloroethoxy) methane	<6.0	<580	<610	<270	<270	
Bis (2-chloroethyl) ether	<6.5	<630	<660	<290	<290	
Bis (2-chloroisopropyl) ether	<6.5	<630	<660	<290	<290	
Bis (2-ethylhexyl) phthalate	<11	<1100	<1100	<510	<520	<
4-Bromophenyl phenyl ether	<2.2	<210	<220	<96	<98	
Butyl benzyl phthalate	<11	<1100	<1100	<510	<520	<
2-Chloronaphthalene	<2.2	<210	<220	<96	<98	
4-Chlorophenyl phenyl ether	<4.8	<460	<480	<210	<220	
Chrysene	<2.8	<270	<290	<130	<130	
Dibenzo (a,h) anthracene	<11	<1100	<1100	<510	<520	
1,2-Dichlorobenzene (.6,1.5)	693	638	575	837	982	
1,3-Dichlorobenzene	13.1	<210	<220	<96	<98	
1,4-Dichlorobenzene (.075,.375)	444.8	<480	<510	387	395	
3,3-Dichlorobenzidine	<19	<1800	<1900	<830	<850	
Diethyl phthalate	<11	<1100	<1100	<510	<520	
Dimethyl phthalate	<11	<1100	<1100	<510	<520	
Di-n-butyl phthalate	<11	<1100	<1100	<510	<520	
2,4-Dinitrotoluene	<6.5	<630	<660	<290	<290	
2,6-Dinitrotoluene	<2.2	<210	<220	<96	<98	
Di-n-octyl phthalate	<11	<1100	<1100	<510	<520	
1,2-Diphenylhydrazine	<11	<1100	<1100	<510	<520	
Fluoranthene	<2.5	<240	<250	<110	<110	
Fluorene	<2.2	<210	<220	<96	<98	
Hexachlorobenzene	<2.2	<210	<220	<96	<98	
Hexachlorobutadiene	<1.0	<99	<100	<45	<46	
Hexachlorocyclopentadiene	<11	<1100	<1100	<510	<520	
Hexachloroethane	<1.8	<180	<180	<81	<82	
Indeno (1,2,3-c,d) pyrene	<5.3	<520	<540	<240	<240	
Isophorone	<2.5	<240	<250	<110	<110	
Naphthalene (.025 .039)	40.9	<180	<180	<81	<82	
Nitrobenzene (.0035)	135	430	449	<96	<98	
n-Nitrosodimethylamine	<11	<1100	<1100	<510	<520	
n-Nitrosodi-n-propylamine	<11	<1100	<1100	<510	<520	
n-Nitrosodiphenylamine	<2.2	<210	<220	<96	<98	
Phenanthrene	<6.1	<590	<620	<270	<280	
Pyrene	<2.2	<210	<220	<96	<98	
1,2,4-Trichlorobenzene (.07,.7)	39.8	<210	<220	<96	<98	
Sub Total 1	1,019	1,068	1,024	1,224	1,317	

Table 1 Summary of Base Neutral Compounds in Ground Water, Krumrich Plant, Saugus, [illegible]

Well Number:	GM-56C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C
Date:	11/89	11/87	11/87*	5/88	5/88*	11/88	11/88
Laboratory:	ETC SL	ETC	ETC	ETC	ETC	ETC	SL
Miscellaneous Base/Neutral Extractable Organic Compounds concentrations are in ug/L							
1-Chloro-2-nitrobenzene	68,800	NA	NA	NA	NA	NA	NA
1-Chloro-4-Nitrobenzene	17,000	NA	NA	NA	NA	NA	NA
2,4-and 3,4-Dinitrochlorobenzene	<11	<1100	<1100	<510	<520	<1,100	<100
2-Nitroaniline	<11	<1100	<1100	<510	<520	<1,100	<500
4-Nitroaniline	<11	<1100	<1100	<510	<520	<1,100	<500
2-Nitrochlorobenzene	NA	82,100	85,600	124,000	142,000	219,000	100,000
4-Nitrochlorobenzene	NA	21,400	21,700	25,800	30,600	40,500	31,000
4-Nitrodiphenylamine	<11	<1100	<1100	<510	<520	<1,100	<200
Triphenyl phosphate	<11	<1100	<1100	<510	<520	<1,100	<100
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	N/
2-Nitrobiphenyl	<11	<1100	<1100	<510	<520	NA	N/
4-Nitrobiphenyl	<11	<1100	<1100	<510	<520	NA	N
Benzyl alcohol	NA	NA	NA	NA	NA	NA	N
Aniline	34,300	NA	NA	NA	NA	NA	N
4-Chloroaniline	NA	NA	NA	NA	NA	NA	N
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	N
N-nitroaniline	NA	NA	NA	NA	NA	NA	N
Dibenzofuran	NA	NA	NA	NA	NA	NA	N
Sub Total 2	120,100	103,500	107,300	149,800	172,600	259,500	131,0
Total Base/Neutral Compounds	121,119	104,568	108,324	151,024	173,917	260,471	132,1

Table 5. Summary of Base Neutral Compounds in Ground Water, Kramerton Plant, Sa

Well Number:	GM-57C	GM-58A	GM-58A	GM-58A	GM-58A
Date:	11/89 *	11/87	5/88	11/88	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Base/Neutral Extractable Organic Compounds concentrations are in ug/L					
Acenaphthene	<20	<1.9	<2.2	<2.0	<2.0
Acenapthylene	<37	<3.6	<4.0	<3.6	<3.
Anthracene	<20	<1.9	<2.2	<2.0	<2.
Benzidine	<460	<45	<50	<45	<4
Benzo (a) anthracene	<82	<8.0	<8.9	<8.0	<8.
Benzo (a) pyrene	<26	<2.6	<2.8	<2.6	<2.
Benzo (b) fluoroanthene	<51	<10	<5.5	<4.9	<5.
Benzo (ghi) perylene	<43	<4.2	<4.7	<4.2	<4.
Benzo (k) fluoranthene	<26	<3.6	<2.8	<2.6	<2.
Bis (2-chloroethoxy) methane	<56	<5.4	<6.0	<5.5	<5.
Bis (2-chloroethyl) ether	<60	<5.8	<6.5	<5.9	<5.
Bis (2-chloroisopropyl) ether	<60	<5.8	<6.5	<5.9	<5.
Bis (2-ethylhexyl) phthalate	<110	<10	<11	<10	<.
4-Bromophenyl phenyl ether	<20	<1.9	<2.2	<2.0	<2
Butyl benzyl phthalate	<110	<10	<11	<10	<
2-Chloronaphthalene	<20	<1.9	<2.2	<2.0	<2
4-Chlorophenyl phenyl ether	<44	<4.3	<4.8	<4.3	<4
Chrysene	<26	<2.6	<2.8	<2.6	<2
Dibenzo (a,h) anthracene	<110	<10	<11	<10	<
1,2-Dichlorobenzene	591	<1.9	<2.2	<2.0	<2
1,3-Dichlorobenzene	<20	<1.9	<2.2	<2.0	<2
1,4-Dichlorobenzene	449	<4.5	<5.0	<4.5	<4
3,3-Dichlorobenzidine	<170	<17	<19	<17	
Diethyl phthalate	<110	<10	<11	<10	
Dimethyl phthalate	<110	<10	<11	<10	
Di-n-butyl phthalate	<110	<10	<11	<10	
2,4-Dinitrotoluene	<60	<5.8	<6.5	<5.9	<
2,6-Dinitrotoluene	<20	<1.9	<2.2	<2.0	<
Di-n-octyl phthalate ?	<110	<10	<11	12.6	
1,2-Diphenylhydrazine	<110	<10	<11	<10	
Fluoranthene	<23	<2.2	<2.5	<2.3	
Fluorene	<20	<1.9	<2.2	<2.0	
Hexachlorobenzene	<20	<1.9	<2.2	<2.0	
Hexachlorobutadiene	<9.5	<.92	<1.0	<0.93	
Hexachlorocyclopentadiene	<110	<10	<11	<10	
Hexachloroethane	<17	<1.6	<1.8	<1.6	
Indeno (1,2,3-c,d) pyrene	<49	<4.8	<5.3	<4.8	
Isophorone	<23	<2.2	<2.5	<2.3	
Naphthalene	34.9	<1.6	<1.8	<1.6	
Nitrobenzene	219	<1.9	<2.2	<2.0	
n-Nitrosodimethylamine	<110	<10	<11	<10	
n-Nitrosodi-n-propylamine	<110	<10	<11	<10	
n-Nitrosodiphenylamine	<20	<1.9	<2.2	<2.0	
Phenanthrene	<57	<5.5	<6.1	5.6	
Pyrene	<20	<1.9	<2.2	<2.0	
1,2,4-Trichlorobenzene	75.7	<1.9	<2.2	<2.0	
Sub Total 1	1,390	0	0	18	

Table 3 Summary of Base Neutral Compounds in Ground Water, Armstron Plant [illegible]

Well Number:	GM-57C	GM-58A	GM-58A	GM-58A	GM-58A	GM-59A
Date:	11/89 *	11/87	5/88	11/88	11/89	11/87
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC
Miscellaneous Base/Neutral Extractable Organic Compounds concentrations are in ug/L						
1-Chloro-2-nitrobenzene	123,000	NA	NA	NA	13.8	NA
1-Chloro-4-Nitrobenzene	21,200	NA	NA	NA	87.2	NA
2,4-and 3,4-Dinitrochlorobenzene ?CW	<110	31.0	<11	16.6	19.8	<10
2-Nitroaniline	<110	<10	<11	<10	<10	<1
4-Nitroaniline	<110	<10	<11	<10	<10	<1
2-Nitrochlorobenzene ?CW	NA	<10	14.1	12.9	NA	<1
4-Nitrochlorobenzene	NA	19.4	31.1	28.7	NA	<1
4-Nitrodiphenylamine	<110	<10	<11	<10	<10	<1
Triphenyl phosphate	<110	<10	<11	<10	<10	<1
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	<110	<10	<11	NA	NA	<1
2-Nitrobiphenyl	NA	NA	NA	<10	<10	<1
4-Nitrobiphenyl	NA	<10	<11	<10	<10	<1
Benzyl alcohol	NA	<10	<11	<10	<10	<1
Aniline	NA	NA	NA	NA	NA	
4-Chloroaniline	44,800	NA	NA	NA	NA	
2-Methylnaphtalene	NA	NA	NA	NA	NA	
N-nitroaniline	NA	NA	NA	NA	NA	
Dibenzofuran	NA	NA	NA	NA	NA	
Sub Total 2	189,000	50	45	58	121	
Total Base/Nautral Compounds	190,390	50	45	74	124	

Table 3 Summary of Base/Neutral Compounds in Ground Water, Kramerton Plant

DL limits to low

Well Number:	3-25A	3-26A	3-28A	GM-106	GM-106	GM-106	GM-1
Date:	3/87	3/87	3/87	12/86	5/87	11/87	5.
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	
USEPA Priority Pollutant Base/Neutral Extractable Organic Compounds concentrations are in ug/L							
Acenaphthene	<210	<2.1	<2.0	<2.0	<1.9	<1.9	
Acenapthylene	<390	<3.9	<3.8	<3.7	<3.5	<3.5	
Anthracene	<210	<2.1	<2.0	<2.0	<1.9	<1.9	
Benzidine	<4,900	<49	<47	<47	<44	<44	
Benzo (a) anthracene	<880	<8.7	<8.4	<8.3	<7.9	<7.8	
Benzo (a) pyrene	<280	<2.8	<2.7	<2.7	<2.5	<2.5	
Benzo (b) fluoroanthene	<1,100	<11	<11	<11	<10	<10	
Benzo (ghi) perylene	<460	<4.6	<4.4	<4.4	<4.1	<4.1	
Benzo (k) fluoranthene	<390	<3.9	<3.8	<3.7	<3.5	<3.5	
Bis (2-chloroethoxy) methane	<600	<5.9	<5.7	<5.6	<5.4	<5.3	
Bis (2-chloroethyl) ether	<640	<6.3	<6.1	<6.1	<5.8	<5.7	
Bis (2-chloroisopropyl) ether	<640	<6.3	<6.1	<6.1	<5.8	<5.7	
Bis (2-ethylhexyl) phthalate	<1,100	13.1	<11	<11	<10	<10	
4-Bromophenyl phenyl ether	<210	<2.1	<2.0	<2	<1.9	<1.9	
Butyl benzyl phthalate	<1,100	<11	<11	<11	<10	<10	
2-Chloronaphthalene	<210	<2.1	<2.0	<2	<1.9	<1.9	
4-Chlorophenyl phenyl ether	<470	<4.7	<4.5	<4.5	<4.2	<4.2	
Chrysene	<280	<2.8	<2.7	<2.7	<2.5	<2.5	
Dibenzo (a,h) anthracene	<1,100	<11	<11	<11	<10	<10	
1,2-Dichlorobenzene	8,800	2.76	<2.0	2.7	6.4	56.6	
1,3-Dichlorobenzene	<210	<2.1	<2.0	<2	<1.9	<1.9	
1,4-Dichlorobenzene	<490	<4.9	<4.7	<4.7	<4.4	10.4	
3,3-Dichlorobenzidine	<1,900	<18	<18.3	<18	<17	<17.0	
Diethyl phthalate	<1,100	<11	<11	<11	<10	<1	
Dimethyl phthalate	<1,100	<11	<11	<11	<10	<1	
Di-n-butyl phthalate	<1,100	<11	<11	<11	<10	<1	
2,4-Dinitrotoluene	<640	<6.3	<6.1	<6.1	<5.8	<5.	
2,6-Dinitrotoluene	<210	<2.1	<2.0	<2.0	<1.9	<1	
Di-n-octyl phthalate	<1,100	<11	<11	<11	<10	<	
1,2-Diphenylhydrazine	<1,100	<11	<11	<11	<10	<	
Fluoranthene	<250	<2.4	<2.4	<2.3	<2.2	<2	
Fluorene	<210	<2.1	<2.0	<2.0	<1.9	<	
Hexachlorobenzene	<210	<2.1	<2.0	<2.0	<1.9	<	
Hexachlorobutadiene	<100	<1.0	<.97	<1.0	<0.9	<0	
Hexachlorocyclopentadiene	<1,100	<11	<11	<11	<10		
Hexachloroethane	<180	<1.8	<1.7	<1.7	<1.6		
Indeno (1,2,3-c,d) pyrene	<530	<5.2	<5.1	<5.0	<4.7		
Isophorone	<250	<2.4	<2.4	<2.3	<2.2		
Naphthalene	872	<1.8	<1.7	<1.7	2.7		
Nitrobenzene (.0035)	12,900	15.8	<2.0	<2.0	<1.9		
n-Nitrosodimethylamine	<1,100	<11	<11	<11	<10		
n-Nitrosodi-n-propylamine	<1,100	<11	<11	<11	<10		
n-Nitrosodiphenylamine	<210	<2.1	<2.0	<2.0	<1.9		
Phenanthrene	<610	<6.0	<5.8	<5.7	<5.5		
Pyrene	<210	<2.1	<2.0	<2.0	<1.9		
1,2,4-Trichlorobenzene	2,170	<2.1	<2.0	<2.0	<1.9		
Sub Total 1	24,742	32	0	3	9		

Table 3 Summary of Base Neutral Compounds in Ground Water, Armstron Plant, Sauget, Illinois

Well Number:	3-25A	3-26A	3-28A	GM-106	GM-106	GM-106	GM-1
Date:	3/87	3/87	3/87	12/86	5/87	11/87	5.
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	
Miscellaneous Base/Neutral Extractable Organic Compounds							
concentrations are in ug/L							
1-Chloro-2-nitrobenzene	NA	NA	NA	NA	NA	NA	NA
1-Chloro-4-Nitrobenzene	NA	NA	NA	NA	NA	NA	NA
2,4-and 3,4-Dinitrochlorobenzene	NA	NA	NA	<11	<10	<10	<10
2-Nitroaniline	1,160	<11	<11	<11	<10	<10	<10
4-Nitroaniline	<1,100	<11	<11	<11	<10	<10	<10
2-Nitrochlorobenzene	NA	NA	NA	1,450	2,670	59,900	
4-Nitrochlorobenzene	NA	NA	NA	172	452	9,950	
4-Nitrodiphenylamine	NA	NA	NA	<11	<10	<10	
Triphenyl phosphate	NA	NA	NA	<11	<10	<10	
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	<11	NA	NA	
2-Nitrobiphenyl	NA	NA	NA	NA	NA	NA	
4-Nitrobiphenyl	NA	NA	NA	NA	NA	NA	
Benzyl alcohol CWO?	1,830	<11	<11	NA	NA	NA	
Aniline	<1,000	20	<11	NA	NA	NA	
4-Chloroaniline	5,380	710	<11	NA	NA	NA	
2-Methylnaphtalene	<1,000	<11	<11	NA	NA	NA	
N-nitroaniline	<1,000	<11	<11	NA	NA	NA	
Dibenzofuran	<1,000	<11	<11				
Sub Total 2	8,370	730	0	1,622	3,122	69,85C	
Total Base/Neutral Compounds	33,112	762	0	1,625	3,131	69,94	

GERAGHTY & MILLER, INC.

Summary of Base Neutral Compounds in Ground Water, Armstrong Plant, Sackett, Illinois

Well Number:	P-1	P-1	P-2	P-2	P-3	P-6	P-6	P-7	P-7
Date:	3/87	11/87	11/87	11/89	11/87	11/87	11/89	3/87	12/86
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Priority Pollutant Neutral Extractable Compounds									
Concentrations are in ug/L									
thene	<2.1	<1.9	<2.0	<21	<1.9	<1.9	<2.0	<2.1	<1.9
nylene	<3.9	<3.5	<3.6	<39	<3.5	<3.5	<3.6	<3.8	<3.5
ene	<2.1	<1.9	<2.0	<21	<1.9	<1.9	<2.0	<2.1	<1.9
ne	<49	<44	<45	<490	<44	<44	<46	<48	<44
a) anthracene	<8.7	<7.8	<8.0	<87	<7.8	<7.8	<8.1	<8.6	<7.8
a) pyrene	<2.8	<2.5	<2.6	<28	<2.5	<2.5	<2.6	<2.7	<2.5
b) fluoroanthene	<11	<10	<10	<53	<10	<10	<5.0	<11	<4.8
ghi) perylene	<4.6	<4.1	<4.2	<46	<4.1	<4.1	<4.3	<4.5	<4.1
k) fluoranthene	<3.9	<3.5	<3.6	<28	<3.5	<3.5	<2.6	<3.8	<2.5
chloroethoxy) methane	<5.9	<5.3	<5.5	<59	<5.3	<5.3	<5.5	<5.8	<5.3
chloroethyl) ether	<6.3	<5.7	<5.9	<63	<5.7	<5.7	<5.9	<6.3	<5.7
chloroisopropyl) ether	<6.3	<5.7	<5.9	<63	<5.7	<5.7	<5.9	<6.3	<5.7
ethylhexyl) phthalate	<11	<10	<10	<110	<10	<10	<10	<11	<2.5
phenyl phenyl ether	<2.1	<1.9	<2.0	<21	<1.9	<1.9	<2.0	<2.1	<1.9
enzyl phthalate	<11	<10	<10	<110	<10	<10	<10	<11	<2.5
ronaphthalene	<2.1	<1.9	<2.0	<21	<1.9	<1.9	<2.0	940	<1.9
rophenyl phenyl ether	<4.7	<4.2	<4.3	<47	<4.2	<4.2	<4.4	<4.6	<4.2
ne	<2.8	<2.5	<2.6	<28	<2.5	<2.5	<2.6	<2.7	<2.5
o (a,h) anthracene	<11	<10	<10	<110	<10	<10	<10	<11	<2.5
chlorobenzene (6, 1.5)	<2.1	2.54	4.59	769	<1.9	2.82	44.6	346	88.1
chlorobenzene	<2.1	2.11	<2.0	<21	<1.9	<1.9	<2.0	7.00	2
chlorobenzene (.0775, .3775)	10.2	18.2	25.4	64.8	<4.4	<4.4	53.4	585	154
chlorobenzidine	<18	<17	<17	<180	<17	<17	<17	<18.7	<16.5
l phthalate	<11	<10	<10	<110	<10	<10	<10	<11	<1.9
yl phthalate	<11	<10	<10	<110	<10	<10	<10	<11	<1.6
utyl phthalate	<11	<10	<10	<110	<10	<10	<10	<11	<2.5
nitrotoluene	<6.3	<5.7	<5.9	<63	<5.7	<5.7	<5.9	<6.3	<5.7
nitrotoluene	<2.1	<1.9	<2.0	<21	<1.9	<1.9	<2.0	<2.1	<1.9
ctyl phthalate	<11	<10	<10	<110	<10	<10	<10	<11	<2.5
phenylhydrazine	<11	<10	<10	<110	<10	<10	<10	<11	<10
nthene	<2.4	<2.2	<2.3	<24	<2.2	<2.2	<2.3	<2.4	<2.2
ne	<2.1	<1.9	<2.0	<21	<1.9	<1.9	<2.0	<2.1	<1.9
lorobenzene	<2.1	<1.9	<2.0	<21	<1.9	<1.9	<2.0	<2.1	<1.9
lorobutadiene	<1.0	<0.90	<.93	<10	<0.90	<0.90	<.94	<.99	<0.9
lorocyclopentadiene	<11	<10	<10	<110	<10	<10	<10	<11	<10
loroethane	<1.8	<1.6	<1.6	<18	<1.6	<1.6	<1.7	<1.8	<1.6
o (1,2,3-c,d) pyrene	<5.2	<4.7	<4.8	<52	<4.7	<4.7	<4.9	<5.2	<3.7
orone	<2.4	<2.2	<2.3	<24	<2.2	<2.2	<2.3	<2.4	<2.2
halene (.025, .034)	<1.8	<1.6	<1.6	<18	<1.6	<1.6	<1.7	7.95	<1.6
benzene (.0035)	<2.1	<1.9	<2.0	<21	<1.9	<1.9	<2.0	113	357
rosodimethylamine	<11	<10	<10	<110	<10	<10	<10	<11	<10
rosodi-n-propylamine	<11	<10	<10	<110	<10	<10	<10	<11	<10
rosodiphenylamine	<2.1	<1.9	<2.0	<21	<1.9	<1.9	<2.0	<2.1	<1.9
nthrene	<6.0	<5.4	<5.6	<60	<5.4	<5.4	<5.6	<5.9	<5.4
ne	<2.1	<1.9	<2.0	<21	<1.9	<1.9	<2.0	<2.1	<1.9
4-Trichlorobenzene (.07, .7)	<2.1	<1.9	<2.0	<21	<1.9	<1.9	<2.0	33.4	4.8
Sub Total 1	10	23	30	834	0	3	98	2,032	606

Table 3 Summary of Base/Neutral Compounds in Ground Water, Krumrein Plant, Sauget.

Well Number:	P-1	P-1	P-2	P-2	P-3	11
Date:	3/87	11/87	11/87	11/89	11/87	
Laboratory:	ETC	ETC	ETC	ETC	ETC	
Miscellaneous Base/Neutral Extractable Organic Compounds concentrations are in ug/L						
1-Chloro-2-nitrobenzene	NA	NA	NA	<110	NA	
1-Chloro-4-Nitrobenzene	NA	NA	NA	<110	NA	
2,4-and 3,4-Dinitrochlorobenzene	NA	<10	<10	<110	<10	
2-Nitroaniline	<11	<10	<10	<110	<10	
4-Nitroaniline	<11	<10	<10	<110	<10	
2-Nitrochlorobenzene	NA	<10	<10	NA	<10	
4-Nitrochlorobenzene	NA	<10	<10	NA	<10	
4-Nitrodiphenylamine	NA	<10	<10	<110	<10	
Triphenyl phosphate	NA	<10	<10	<110	<10	
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA	
2-Nitrobiphenyl	NA	NA	NA	<110	NA	
4-Nitrobiphenyl	NA	NA	NA	<110	NA	
Benzyl alcohol	<11	NA	NA	NA	NA	
Aniline	<11	NA	NA	35,000	NA	
4-Chloroaniline	<11	NA	NA	NA	NA	
2-Methylnaphtalene	<11	NA	NA	NA	NA	
N-nitroaniline	<11	NA	NA	NA	NA	
Dibenzofuran	<11	NA	NA	NA	NA	
Sub Total 2	0	0	0	35,000	0	
Total Base/Neutral Compounds	10	23	30	35,834	0	

Table 3 Summary of Base Neutral Compounds in Ground Water, Crumrine Plant, Sargent, Colorado

Well Number:	P-7	P-7	P-7	P-7	P-7	P-7	P-8	P-8	P-8
Date:	5/87	11/87	5/88	11/88	3/89	11/89	11/87	3/89	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Base/Neutral Extractable Organic Compounds concentrations are in ug/L									
Acenaphthene	<38	<1.9	<220	<20	<20	<22	<190	<970	<1100
Acenapthylene	<70	<3.6	<400	<36	<36	<41	<350	<1800	<2000
Anthracene	<38	<1.9	<220	<20	<20	<22	<190	<970	<1100
Benzidine	<880	<45	<5000	<450	<450	<520	<4400	<22000	<25000
Benzo (a) anthracene	<160	<8.0	<890	<80	<80	<92	<790	<4000	<4400
Benzo (a) pyrene	<50	<2.6	<290	<26	<26	<29	<250	<1300	<1400
Benzo (b) fluoroanthene	<200	<10	<550	<49	<49	<56	<1000	<2400	<2700
Benzo (ghi) perylene	<82	<4.2	<470	<42	<42	<48	<410	<2100	<2300
Benzo (k) fluoranthene	<70	<3.6	<290	<26	<26	<29	<350	<1300	<1400
Bis (2-chloroethoxy) methane	<110	<5.4	<610	<55	<55	<62	<530	<2700	<3000
Bis (2-chloroethyl) ether	<110	<5.8	<650	<59	<59	<67	<570	<2900	<3200
Bis (2-chloroisopropyl) ether	<110	<5.8	<650	<59	<59	<67	<580	<2900	<3200
Bis (2-ethylhexyl) phthalate (.006, .04)	<200	<10	<1,100	188	<100	<120	<1000	<5100	<5700
4-Bromophenyl phenyl ether	<38	<1.9	<220	<20	<20	<22	<190	<970	<1100
Butyl benzyl phthalate	<200	<10	<1,100	<100	<100	<120	<1000	<5100	<5700
2-Chloronaphthalene	<38	<1.9	<220	<20	<20	<22	<190	<970	<1100
4-Chlorophenyl phenyl ether	<84	<4.3	<480	<43	<43	<49	<420	<2100	<2400
Chrysene	<50	<2.6	<290	<26	<26	<29	<250	<1300	<1400
Dibenzo (a,h) anthracene	<200	<10	<1,100	<100	<100	<120	<1000	<5100	<5700
1,2-Dichlorobenzene	190	106	424	949	250	781	<190	<970	<1100
1,3-Dichlorobenzene	<38	2.29	<220	<20	<20	<22	<190	<970	<1100
1,4-Dichlorobenzene	321	148	797	1,580	441	1,358	<440	<2200	<2500
3,3-Dichlorobenzidine	<330	<17	<1,900	<175	<170	<190	<1700	<8400	<9400
Diethyl phthalate	<200	<10	<1,100	<100	<100	<120	<1000	<5100	<5700
Dimethyl phthalate	<200	<10	<1,100	<100	<100	<120	<1000	<5100	<5700
Di-n-butyl phthalate	<200	<10	<1,100	<100	<100	<120	<1000	<5100	<5700
2,4-Dinitrotoluene	<110	<5.8	<650	<59	<59	<67	<570	<2900	<3200
2,6-Dinitrotoluene	<38	<1.9	<220	<20	<20	<22	<190	<970	<1100
Di-n-octyl phthalate	<200	<10	<1,100	<100	<100	<120	<1000	<5100	<5700
1,2-Diphenylhydrazine	<200	<10	<1,100	<100	<100	<120	<1000	<5100	<5700
Fluoranthene	<44	<2.2	<250	<23	<23	<26	<220	<1100	<1200
Fluorene	<38	<1.9	<220	<20	<20	<22	<190	<970	<1100
Hexachlorobenzene	<38	<1.9	<220	<20	<20	<22	<190	<970	<1100
Hexachlorobutadiene	<18	<.92	<100	<9.3	<9.3	<11	<90	<460	<510
Hexachlorocyclopentadiene	<200	<10	<1,100	<100	<100	<120	<1000	<5100	<5700
Hexachloroethane	<32	<1.6	<180	<16	<16	<19	<160	<820	<910
Indeno (1,2,3-c,d) pyrene	<94	<4.8	<540	<48	<48	<55	<470	<2400	<2700
Isophorone	<44	<2.2	<250	<23	<23	<26	<220	<1100	<1200
Naphthalene	<32	<1.6	<180	<16	<16	<19	<160	<820	<910
Nitrobenzene (.0035)	286	<1.9	6,770	516	473	1,760	<190	2,220	4,270
n-Nitrosodimethylamine	<200	<10	<1,100	<100	<100	<120	<1000	<5100	<57[illegible]
n-Nitrosodi-n-propylamine	<200	<10	<1,100	<100	<100	<120	<1000	<5100	<570[illegible]
n-Nitrosodiphenylamine	<38	<1.9	<220	<20	<20	<22	<190	<970	<110[illegible]
Phenanthrene	<110	<5.5	<620	<56	<56	<64	<540	<2800	<310[illegible]
Pyrene	<38	<1.9	<220	<20	<20	<22	<190	<970	<110[illegible]
1,2,4-Trichlorobenzene	<38	<1.9	<220	117	<20	46.6	<190	<970	<110[illegible]
Sub Total 1	797	256	7,991	3,350	1,164	3,938	0	2,220	4,27[illegible]

Table 3. Summary of Base/Neutral Compounds in Ground Water, Kraemer Plant, Sauget, Illinois

Well Number:	P-7	P-7	P-7	P-7	P-7	P-7
Date:	5/87	11/87	5/88	11/88	3/89	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC
Miscellaneous Base/Neutral Extractable Organic Compounds concentrations are in ug/L						
1-Chloro-2-nitrobenzene	NA	NA	NA	NA	62,600	357,000
1-Chloro-4-Nitrobenzene	NA	NA	NA	NA	19,400	90,600
2,4-and 3,4-Dinitrochlorobenzene	<200	<10	<1,100	NA	<100	<120
2-Nitroaniline	<200	<10	<1,100	NA	<100	<120
4-Nitroaniline	<200	11.3	<1,100	NA	<100	<120
2-Nitrochlorobenzene	40,800	22,400	66,900	NA	NA	NA
4-Nitrochlorobenzene	11,900	5,230	29,100	NA	NA	NA
4-Nitrodiphenylamine	<200	160	<1,100	NA	<100	627
Triphenyl phosphate	<200	<10	<1,100	NA	NA	<120
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA	NA
2-Nitrobiphenyl	NA	NA	<1,100	NA	NA	<120
4-Nitrobiphenyl	NA	NA	<1,100	NA	NA	<120
Benzyl alcohol	NA	NA	NA	NA	NA	NA
Aniline	NA	NA	NA	NA	NA	22,300
4-Chloroaniline	NA	NA	NA	NA	NA	NA
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA
N-nitroaniline	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA
Sub Total 2	52,700	27,801	94,000	0	82,000	470,527
Total Base/Neutral Compounds	53,497	28,058	101,991	3,350	83,164	474,465

Table [illegible]: Summary of Base Neutral Compounds in Ground Water, Armstrong Plant, Sewget

Well Number:	P-10	P-11	P-11	P-12	P-13
Date:	11/87	3/87	11/87	11/87	11/87
Laboratory:	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Base/Neutral Extractable Organic Compounds concentrations are in ug/L					
Acenaphthene	<190	<2.1	[illegible]	<1.9	<1.9
Acenapthylene	<350	<3.8	<3.6	<3.5	<3.5
Anthracene	<190	<2.1	<2.0	<1.9	<1.9
Benzidine	<4400	<48	<45	<44	<44
Benzo (a) anthracene	<790	<8.6	<8.0	<7.8	<7.8
Benzo (a) pyrene	<250	<2.7	<2.6	<2.5	<2.5
Benzo (b) fluoroanthene	<1000	<11	<10	<10	<10
Benzo (ghi) perylene	<410	<4.5	<4.2	<4.1	<4.1
Benzo (k) fluoranthene	<350	<3.8	<3.6	<3.5	<3.5
Bis (2-chloroethoxy) methane	<540	<5.8	<5.5	<5.3	<5.3
Bis (2-chloroethyl) ether	<580	<6.3	<5.9	<5.7	<5.7
Bis (2-chloroisopropyl) ether	<580	<6.3	<5.9	<5.7	<5.7
Bis (2-ethylhexyl) phthalate	<1000	<11	<10	<10	<10
4-Bromophenyl phenyl ether	<190	<2.1	<2.0	<1.9	<1.9
Butyl benzyl phthalate	<1000	<11	<10	<10	<10
2-Chloronaphthalene	<190	<2.1	<2.0	<1.9	<1.9
4-Chlorophenyl phenyl ether	<420	<4.6	<4.3	<4.2	<4.2
Chrysene	<250	<2.7	<2.6	<2.5	<2.5
Dibenzo (a,h) anthracene	<1000	<11	<10	<10	<10
1,2-Dichlorobenzene	<190	5.4	6.00	1,790	<1.9
1,3-Dichlorobenzene	<190	<2.1	<2.0	<1.9	<1.9
1,4-Dichlorobenzene	449	82.3	111	252	22.5
3,3-Dichlorobenzidine	<1700	<18.7	<17	<17	<17
Diethyl phthalate	<1000	<11	<10	<10	<10
Dimethyl phthalate	<1000	<11	<10	<10	<10
Di-n-butyl phthalate	<1000	<11	<10	<10	<10
2,4-Dinitrotoluene	<580	<6.3	<5.9	<5.7	<5.7
2,6-Dinitrotoluene	<190	<2.1	<2.0	<1.9	<1.9
Di-n-octyl phthalate	<1000	<11	<10	<10	<10
1,2-Diphenylhydrazine	<1000	<11	<10	<10	<10
Fluoranthene	<220	<2.4	<2.3	<2.2	<2.2
Fluorene	<190	<2.1	<2.0	<1.9	<1.9
Hexachlorobenzene	<190	<2.1	<2.0	<1.9	<1.9
Hexachlorobutadiene	<91	<.99	<.93	<0.90	<0.90
Hexachlorocyclopentadiene	<1000	<11	<10	<10	<10
Hexachloroethane	<160	<1.8	<1.6	<1.6	<1.6
Indeno (1,2,3-c,d) pyrene	<470	<5.2	<4.8	<4.7	<4.7
Isophorone	<220	<2.4	<2.3	<2.2	<2.2
Naphthalene	<160	<1.8	<1.6	<1.6	<1.6
Nitrobenzene	<190	<2.1	<2.0	<1.9	<1.9
n-Nitrosodimethylamine	<1000	<11	<10	<10	<10
n-Nitrosodi-n-propylamine	<1000	<11	<10	<10	<10
n-Nitrosodiphenylamine	<190	<2.1	<2.0	<1.9	9.00
Phenanthrene	<550	<5.9	<5.6	<5.4	<5.4
Pyrene	<190	<2.1	<2.0	<1.9	<1.9
1,2,4-Trichlorobenzene	<190	<2.1	<2.0	<1.9	<1.9
Sub Total 1	449	88	117	2,042	32

Table . Summary of Base Neutral Compounds in Ground Water, Kramer Junction Plant, Saugus

Well Number:	P-10	P-11	P-11	P-12	P-13
Date:	11/87	3/87	11/87	11/87	11/87
Laboratory:	ETC	ETC	ETC	ETC	ETC
Miscellaneous Base/Neutral Extractable Organic Compounds concentrations are in ug/L					
1-Chloro-2-nitrobenzene	NA	NA	NA	NA	NA
1-Chloro-4-Nitrobenzene	NA	NA	NA	NA	NA
2,4-and 3,4-Dinitrochlorobenzene	<1000	NA	<10	<10	<10
2-Nitroaniline	<1000	<11	<10	<10	<10
4-Nitroaniline	<1000	<11	<10	<10	<10
2-Nitrochlorobenzene	<1000	NA	<10	<10	<10
4-Nitrochlorobenzene	<1000	NA	<10	<10	<10
4-Nitrodiphenylamine	<1000	NA	<10	<10	<10
Triphenyl phosphate	NA	NA	NA	NA	NA
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA
2-Nitrobiphenyl	NA	<11	NA	NA	NA
4-Nitrobiphenyl	NA	<11	NA	NA	NA
Benzyl alcohol	NA	<11	NA	NA	NA
Aniline	NA	4,020	NA	NA	NA
4-Chloroaniline	NA	<11	NA	NA	NA
2-Methylnaphtalene	NA	<11	NA	NA	NA
N-nitroaniline	NA	<11	NA	NA	NA
Dibenzofuran					
Sub Total 2	0	4,020	0	0	0
Total Base/Neutral Compounds	449	4,108	117	2,042	32

Table 3 Summary of Base Neutral Compounds in Ground Water, Armstrong Plant Basket [illegible]

Well Number:	Trip Blank
Date:	3/87
Laboratory:	ETC
USEPA Priority Pollutant Base/Neutral Extractable Organic Compounds concentrations are in ug/L	
Acenaphthene	<2.1
Acenapthylene	<3.9
Anthracene	<2.1
Benzidine	<49
Benzo (a) anthracene	<8.7
Benzo (a) pyrene	<2.8
Benzo (b) fluoroanthene	<11
Benzo (ghi) perylene	<4.6
Benzo (k) fluoranthene	<3.9
Bis (2-chloroethoxy) methane	<5.9
Bis (2-chloroethyl) ether	<6.3
Bis (2-chloroisopropyl) ether	<6.3
Bis (2-ethylhexyl) phthalate	<11
4-Bromophenyl phenyl ether	<2.1
Butyl benzyl phthalate	<11
2-Chloronaphthalene	<2.1
4-Chlorophenyl phenyl ether	<4.7
Chrysene	<2.8
Dibenzo (a,h) anthracene	<11
1,2-Dichlorobenzene	<2.1
1,3-Dichlorobenzene	<2.1
1,4-Dichlorobenzene	<4.9
3,3-Dichlorobenzidine	<18
Diethyl phthalate	<11
Dimethyl phthalate	<11
Di-n-butyl phthalate	<11
2,4-Dinitrotoluene	<6.3
2,6-Dinitrotoluene	<2.1
Di-n-octyl phthalate	<11
1,2-Diphenylhydrazine	<11
Fluoranthene	<2.4
Fluorene	<2.1
Hexachlorobenzene	<2.1
Hexachlorobutadiene	<1.0
Hexachlorocyclopentadiene	<11
Hexachloroethane	<1.8
Indeno (1,2,3-c,d) pyrene	<5.2
Isophorone	<2.4
Naphthalene	<1.8
Nitrobenzene	<2.1
n-Nitrosodimethylamine	<11
n-Nitrosodi-n-propylamine	<11
n-Nitrosodiphenylamine	<2.1
Phenanthrene	<6.0
Pyrene	<2.1
1,2,4-Trichlorobenzene	<2.1
Sub Total 1	0

Table 3. Summary of Base Neutral Compounds in Ground Water, Kramerton Plant, Gadget [illegible]

	Trip
Well Number:	Blank
Date:	3/87
Laboratory:	ETC
Miscellaneous Base/Neutral Extractable Organic Compounds concentrations are in ug/L	
1-Chloro-2-nitrobenzene	NA
1-Chloro-4-Nitrobenzene	NA
2,4-and 3,4-Dinitrochlorobenzene	NA
2-Nitroaniline	<11
4-Nitroaniline	<11
2-Nitrochlorobenzene	NA
4-Nitrochlorobenzene	NA
4-Nitrodiphenylamine	NA
Triphenyl phosphate	NA
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA
2-Nitrobiphenyl	NA
4-Nitrobiphenyl	<11
Benzyl alcohol	<11
Aniline	<11
4-Chloroaniline	<11
2-Methylnaphtalene	<11
N-nitroaniline	<11
Dibenzofuran	<11
Sub Total 2	0
Total Base/Neutral Compounds	0

4. Summary of Pesticide/PCB Compounds in Ground Water at Site R, Krummrich Plant, Sauget, Illinois.

Well Designation:	GM-27B	GM-27C	GM-28B	GM-28B	GM-28C	GM-28C	GM-28C	GM-31A	GM-31A
Date:	11/87	11/87	11/87	3/89	11/87	3/89	3/89 *	11/87	11/87*
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
A Priority Pollutant icide/PCB Compounds entrations are in ug/L	PCB CVO =		.0005 .0025						
in	<2.2	<2.2	<190	<20	<1.9	<1900	<190	<2.0	<2.0
a-BHC	<11	<11	<1000	<100	<10	<10000	<1000	<10	<10
-BHC	<5.0	<5.0	<440	<43	<4.4	<4300	<420	<4.6	<4.6
a-BHC	<11	<11	<100	<100	<10	<10000	<1000	<10	<10
a-BHC	<3.5	<3.5	<310	<32	<3.1	<3200	<310	<3.2	<3.2
rdane	<11	<11	<1000	<100	<10	<10000	<1000	<10	<10
'-DDT	<3.2	<3.2	<280	<29	<2.8	<2900	<280	<2.9	<2.9
'-DDE	<6.4	<6.4	<570	<58	<5.6	<5700	<560	<5.8	<5.8
'-DDD	<5.3	<5.3	<470	<48	<4.7	<4800	<470	<4.9	<4.9
ldrin	<2.8	<2.8	<250	<26	<2.5	<2600	<250	<2.6	<2.6
osulfan I	<11	<11	<1000	<100	<10	<10000	<1000	<10	<10
osulfan II	<11	<11	<1000	<100	<10	<10000	<1000	<10	<10
osulfan sulfate	<6.4	<6.4	<570	<58	<5.6	<5700	<560	<5.8	<5.8
rin	<11	<11	<1000	<100	<10	<10000	<1000	<10	<10
rin aldehyde	<11	<11	<1000	<100	<10	<10000	<1000	<10	<10
tachlor	<2.2	<2.2	<190	<20	<1.9	<1900	<190	<2.0	<2.0
tachlor epoxide	<2.5	<2.5	<220	<23	<2.2	<2200	<220	<2.3	<2.3
3-1016	<41	<41	<3600	<370	<36	<37000	<3600	<38	<38
3-1221	<41	<41	<3600	<370	<36	<37000	<3600	<38	<38
3-1232	<41	<41	<3600	<370	<36	<37000	<3600	<38	<38
3-1242	<41	<41	<3600	<370	<36	<37000	<3600	<38	<38
3-1248	<41	<41	<3600	<370	<36	<37000	<3600	<38	<38
3-1254	<41	<41	<3600	<370	<36	<37000	<3600	<38	<38
3-1260	<41	<41	<3600	<370	<36	<37000	<3600	<38	<38
xaphene	<11	<11	<1000	<100	<10	<10000	<1000	<10	<10
tal Pesticide/PCB Compounds	0	0	0	0	0	0	0	0	0

Not analyzed.
* Replicate Analyses
C Environmental Testing and Certification, Edison, New Jersey.
Savannah Laboratories and Environmental Testing, Savannah, Georgia.

Detection Limits Way to low.

Table 4. Summary of Pesticide/PCB Compounds in Ground Water at Site R. Krummrich Plant, Sauget, Illinois.

Well Designation:	GM-55C	GM-55C	GM-56C	GM-56C	GM-57C	GM-57C	GM-57C	GM-57C	GM
Date:	11/87	5/88	11/87	5/88	11/87	11/87*	5/88	5/88*	
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	
USEPA Priority Pollutant Pesticide/PCB Compounds Concentrations are in ug/L									
Aldrin	<2.0	<45	<190	<120	<210	<220	<96	<98	
Alpha-BHC	<10	<240	<1000	<610	<1100	<1100	<510	<520	
Beta-BHC	<4.6	<99	<450	<260	<480	<510	<210	<220	
Gamma-BHC	<10	<240	<1000	<610	<1100	<1100	<510	<520	
Delta-BHC	<3.2	<73	<320	<190	<340	<360	<160	<160	
Chlordane	<10	<240	<1000	<610	<1100	<1100	<510	<520	
4,4'-DDT	<2.9	<66	<290	<170	<310	<320	<140	<140	
4,4'-DDE	<5.8	<130	<570	<340	<620	<640	<280	<290	
4,4'-DDD	<4.9	<110	<480	<290	<520	<540	<240	<240	
Dieldrin	<2.6	<59	<260	<150	<270	<290	<130	<130	
Endosulfan I	<10	<240	<1000	<610	<1100	<1100	<510	<520	
Endosulfan II	<10	<240	<1000	<610	<1100	<1100	<510	<520	
Endosulfan sulfate	<5.8	<130	<570	<340	<620	<640	<280	<290	
Endrin	<10	<240	<1000	<610	<1100	<1100	<510	<520	
Endrin aldehyde	<10	<240	<1000	<610	<1100	<1100	<510	<520	
Heptachlor	<2.0	<45	<190	<120	<210	<220	<96	<98	
Heptachlor epoxide	<2.3	<52	<220	<130	<240	<250	<110	<110	
PCB-1016	<38	<850	<3700	<2200	<4000	<4100	<1800	<1900	
PCB-1221	<38	<850	<3700	<2200	<4000	<4100	<1800	<1900	
PCB-1232	<38	<850	<3700	<2200	<4000	<4100	<1800	<1900	
PCB-1242	<38	<850	<3700	<2200	<4000	<4100	<1800	<1900	
PCB-1248	<38	<850	<3700	<2200	<4000	<4100	<1800	<1900	
PCB-1254	<38	<850	<3700	<2200	<4000	<4100	<1800	<1900	
PCB-1260	<38	<850	<3700	<2200	<4000	<4100	<1800	<1900	
Toxaphene	<10	<240	<1000	<610	<1100	<1100	<510	<520	
Total Pesticide/PCB Compounds	0	0	0		0	0	0	0	

NA Not analyzed.
* Replicate Analyses
ETC Environmental Testing and Certification, Edison, New Jersey.
SL Savannah Laboratories and Environmental Testing, Savannah, Georgia.

Table 4. Summary of Pesticide/PCB Compounds in Ground Water at Site R, Krummrich Plant, Sauget, Illinois.

Well Designation:	GM-58A	GM-58A	GM-59A	GM-59A	B-25A	B-26A	B-28A	P-1	P-1
Date:	11/87	5/88	11/87	5/88	3/87	3/87	3/87	3/87	11/87
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Pesticide/PCB Compounds Concentrations are in ug/L									
Aldrin	<1.9	<2.2	<1.9	<1.9	<210	<2.1	<2.0	<2.1	<1.9
Alpha-BHC	<10	<11	<10	<10	<1,100	<11	<11	<11	<10
Beta-BHC	<4.5	<4.8	<4.5	<4.2	<490	<4.9	<4.7	<4.9	<4.4
Gamma-BHC	<10	<11	<10	<10	<1,100	<11	<11	<11	<10
Delta-BHC	<3.2	<3.5	<3.2	<3.1	<350	<3.4	<3.3	<3.4	<3.1
Chlordane	<10	<11	<10	<10	<1,100	<11	<11	<11	<10
4,4'-DDT	<2.9	<3.2	<2.9	<2.8	<310	<3.1	<3.0	<3.1	<2.8
4,4'-DDE	<5.7	<6.4	<5.7	<5.6	<630	<6.2	<6.0	<6.2	<5.6
4,4'-DDD	<4.8	<5.3	<4.8	<4.7	<530	<5.2	<5.1	<5.2	<4.7
Dieldrin	<2.6	<2.8	<2.6	<2.5	<280	<2.8	<2.7	<2.8	<2.5
Endosulfan I	<10	<11	<10	<10	<1,100	<11	<11	<11	<10
Endosulfan II	<10	<11	<10	<10	<1,100	<11	<11	<11	<10
Endosulfan sulfate	<5.7	<6.4	<5.7	<5.6	<630	<6.2	<6.0	<6.2	<5.6
Endrin	<10	<11	<10	<10	<1,100	<11	<11	<11	<10
Endrin aldehyde	<10	<11	<10	<10	<1,100	<11	<11	<11	<10
Heptachlor	<1.9	<2.2	<1.9	<1.9	<210	<2.1	<2.0	<2.1	<1.9
Heptachlor epoxide	<2.2	<2.5	<2.2	<2.2	<250	<2.4	<2.4	<2.4	<2.2
PCB-1016	<37	<41	<37	<36	<4,000	<40	<39	<40	<36
PCB-1221	<37	<41	<37	<36	<4,000	<40	<39	<40	<36
PCB-1232	<37	<41	<37	<36	<4,000	<40	<39	<40	<36
PCB-1242	<37	<41	<37	<36	<4,000	<40	<39	<40	<36
PCB-1248	<37	<41	<37	<36	<4,000	<40	<39	<40	<36
PCB-1254	<37	<41	<37	<36	<4,000	<40	<39	<40	<36
PCB-1260	<37	<41	<37	<36	<4,000	<40	<39	<40	<36
Toxaphene	<10	<11	<10	<10	<1,100	<11	<11	<11	<10
Total Pesticide/PCB Compounds	0	0	0	0	0	0	0	0	0

NA Not analyzed.
* Replicate Analyses
ETC Environmental Testing and Certification, Edison, New Jersey.
SL Savannah Laboratories and Environmental Testing, Savannah, Georgia.

Table 4. Summary of Pesticide/PCB Compounds in Ground Water at Site R, Krummrich Plant

Well Designation:	P-2	P-3	P-6	P-7	P-7	P-7
Date:	11/87	11/87	11/87	3/87	11/87	3/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Pesticide/PCB Compounds Concentrations are in ug/L						
Aldrin	<2.0	<1.9	<1.9	<2.1	<1.9	<20
Alpha-BHC	<10	<10	<10	<11	<10	~~<100~~
Beta-BHC	<4.5	<4.4	<4.4	<4.8	<4.5	<43
Gamma-BHC	<10	<10	<10	<11	<10	~~<100~~
Delta-BHC	<3.2	<3.1	<3.1	<3.4	<3.2	<32
Chlordane	<10	<10	<10	<11	<10	~~<100~~
4,4'-DDT	<2.9	<2.8	<2.8	<3.1	<2.9	<29
4,4'-DDE	<5.8	<5.6	<5.6	<6.2	<5.7	<58
4,4'-DDD	<4.8	<4.7	<4.7	<5.2	<4.8	<48
Dieldrin	<2.6	<2.5	<2.5	<2.7	<2.6	<26
Endosulfan I	<10	<10	<10	<11	<10	<100
Endosulfan II	<10	<10	<10	<11	<10	<100
Endosulfan sulfate	<5.8	<5.6	<5.6	<6.2	<5.7	<58
Endrin	<10	<10	<10	<11	<10	<100
Endrin aldehyde	<10	<10	<10	<11	<10	<100
Heptachlor	<2.0	<1.9	<1.9	<2.1	<1.9	<20
Heptachlor epoxide	<2.3	<2.2	<2.2	<2.4	<2.2	<23
PCB-1016	<37	<36	<36	<40	<37	<370
PCB-1221	<37	<36	<36	<40	<37	<370
PCB-1232	<37	<36	<36	<40	<37	<370
PCB-1242	<37	<36	<36	<40	<37	<370
PCB-1248	<37	<36	<36	<40	<37	<370
PCB-1254	<37	<36	<36	<40	<37	<370
PCB-1260	<37	<36	<36	<40	<37	<370
Toxaphene	<10	<10	<10	<11	<10	<100
Total Pesticide/PCB Compounds	0	0	0	0	0	0

NA Not analyzed.
* Replicate Analyses
ETC Environmental Testing and Certification, Edison, New Jersey.
SL Savannah Laboratories and Environmental Testing, Savannah, Georgia.

Table 4. Summary of Pesticide/PCB Compounds in Ground Water at Site R, Krummrich Plant, Sauget, Illinois.

Well Designation:	P-11	P-11	P-12	P-13	P-14	Field Blank
Date:	3/87	11/87	11/87	11/87	11/87	3/87
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Pesticide/PCB Compounds Concentrations are in ug/L						
Aldrin	<2.1	<2.0	<1.9	<1.9	<1.9	<2.0
Alpha-BHC	<11	<10	<10	<10	<10	<11
Beta-BHC	<4.8	<4.5	<4.4	<4.4	<4.4	<4.7
Gamma-BHC	<11	<10	<10	<10	<10	<11
Delta-BHC	<3.4	<3.2	<3.1	<3.1	<3.1	<3.3
Chlordane	<11	<10	<10	<10	<10	<11
4,4'-DDT	<3.1	<2.9	<2.8	<2.8	<2.8	<3.0
4,4'-DDE	<6.2	<5.8	<5.6	<5.6	<5.6	<6.0
4,4'-DDD	<5.2	<4.8	<4.7	<4.7	<4.7	<5.0
Dieldrin	<2.7	<2.6	<2.5	<2.5	<2.5	<2.7
Endosulfan I	<11	<10	<10	<10	<10	<11
Endosulfan II	<11	<10	<10	<10	<10	<11
Endosulfan sulfate	<6.2	<5.8	<5.6	<5.6	<5.6	<6
Endrin	<11	<10	<10	<10	<10	<11
Endrin aldehyde	<11	<10	<10	<10	<10	<11
Heptachlor	<2.1	<2.0	<1.9	<1.9	<1.9	<2.0
Heptachlor epoxide	<2.4	<2.3	<2.2	<2.2	<2.2	<2.3
PCB-1016	<40	<37	<36	<36	<36	<38
PCB-1221	<40	<37	<36	<36	<36	<38
PCB-1232	<40	<37	<36	<36	<36	<38
PCB-1242	<40	<37	<36	<36	<36	<38
PCB-1248	<40	<37	<36	<36	<36	<38
PCB-1254	<40	<37	<36	<36	<36	<38
PCB-1260	<40	<37	<36	<36	<36	<38
Toxaphene	<11	<10	<10	<10	<10	<11
Total Pesticide/PCB Compounds	0	0	0	0	0	0

NA Not analyzed.
* Replicate Analyses
ETC Environmental Testing and Certification, Edison, New Jersey.
SL Savannah Laboratories and Environmental Testing, Savannah, Georgia.

Table 3 Summary of Metals and Miscellaneous Parameters in Ground Water, Ammonia Plant Target, [illegible]

Well Number:	GM-4A	GM-4A	GM-4A	GM-4A	GM-4A	GM-4A	GM-4B	GM-4B	GM-
Date:	12/86	5/87	11/87	5/88	11/88	11/89	12/86	5/87	11/
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	E
USEPA Priority Pollutant Metals (concentrations are in mg/L, except where noted)									
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	
Copper	NA	NA	NA	NA	NA	NA	NA	NA	
Lead	NA	NA	NA	NA	NA	NA	NA	NA	
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	
Silver	NA	NA	NA	NA	NA	NA	NA	NA	
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	
Miscellaneous Parameters									
pH	6.7	7.1	6.8	7.1	7.1	6.8	6.8	6.8	
Spec. conductance (umhos/cm)	1,040	1,000	1,000	1,100	400	1,000	1,800	2,500	2,
Temperature (deg. centigrade)	15	14	17	14	16	16	15	17	
Phenols	NA	NA	NA	NA	NA	NA	NA	NA	
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	
Non-Priority Pollutant Metals									
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	
Barium	NA	NA	NA	NA	NA	NA	NA	NA	
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	
Tin	NA	NA	NA	NA	NA	NA	NA	NA	
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	
Boron	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	

Table 5. Summary of Metals and Miscellaneous Parameters in Ground Water, Krumrich Plant, Dewalt, Iowa

Well Number:	GM-4B	GM-4B	GM-4B	GM-4C	GM-4C	GM-4C	GM-4C	GM-4C	GM-4C	GM-4
Date:	11/88	5/89	11/89	12/86	5/87	11/87	5/88	11/88	5/89	11/
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	E
USEPA Priority Pollutant Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Zinc	NA	NA	NA	NA	NA	NA	NA	NA		
Miscellaneous Parameters										
pH	7.6	NA	7.3	7.0	6.9	6.9	7.1	7.3	NA	
Spec. conductance (umhos/cm)	1,800	NA	2,150	2,500	3,200	2,200	2,000	2,200	NA	1
Temperature (deg. centigrade)	15	15	16	14	17	18	14	15	15	
Phenols	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Non-Priority Pollutant Metals										
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Tin	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Boron	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Table 3 Summary of Metals and Miscellaneous Parameters in Ground Water, [illegible] Plant, [illegible]

Well Number:	GM-9A	GM-9A	GM-9A	GM-9A	GM-9A	GM-9A	GM-9B	GM-9B	GM-9B	GM-9B
Date:	12/86	5/87	11/87	5/88	11/88	11/89	12/86	5/87	11/87	5/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
pH	+	6.3	7.1	7.1	6.9	--	+	7.4	7.7	7.1
Spec. conductance (umhos/cm)	1,500	1,450	1,900	600	2,200	1,800	1,100	750	650	600
Temperature (deg. centigrade)	17	17	19	14	15	16	15	17	19	14
Phenols	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Non-Priority Pollutant Metals										
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3. Summary of Metals and Miscellaneous Parameters in Ground Water, Krummeich P.

Well Number:	GM-9B	GM-9B	GM-9C	GM-9C	GM-9C	GM-9C
Date:	11/88	11/89	12/86	5/87	11/87	5/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Metals (concentrations are in mg/L, except where noted)						
Antimony	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters						
pH	7.2	--	+	6.8	7.5	7.6
Spec. conductance (umhos/cm)	500	900	1,650	1,300	800	600
Temperature (deg. centigrade)	15	16	15	17	18	14
Phenols	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA
Non-Priority Pollutant Metals						
Aluminum	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA
Tin	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA
Boron	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA

Table 5 Summary of Metals and Miscellaneous Parameters in Ground Water, Kronmeyer Plant, Sauget

Well Number:	GM-10A	GM-10A	GM-10A	GM-10A	GM-10B	GM-10B	GM-10B	GM-1
Date:	11/87	5/88	11/88	11/89	12/86	5/87	11/87	5
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	
USEPA Priority Pollutant Metals (concentrations are in mg/L, except where noted)								
Antimony	NA	NA	NA	NA	NA	NA	NA	
Arsenic	NA	NA	NA	NA	NA	NA	NA	
Beryllium	NA	NA	NA	NA	NA	NA	NA	
Cadmium	NA	NA	NA	NA	NA	NA	NA	
Chromium	NA	NA	NA	NA	NA	NA	NA	
Copper	NA	NA	NA	NA	NA	NA	NA	
Lead	NA	NA	NA	NA	NA	NA	NA	
Mercury	NA	NA	NA	NA	NA	NA	NA	
Nickel	NA	NA	NA	NA	NA	NA	NA	
Selenium	NA	NA	NA	NA	NA	NA	NA	
Silver	NA	NA	NA	NA	NA	NA	NA	
Thallium	NA	NA	NA	NA	NA	NA	NA	
Zinc	NA	NA	NA	NA	NA	NA	NA	
Miscellaneous Parameters								
pH	6.7	7.0	6.9	6.9	+	7.9	7.2	
Spec. conductance (umhos/cm)	1,100	800	a	1,200	1,250	1,450	1,800	
Temperature (deg. centigrade)	17	16	15	15	16	17	16	
Phenols	NA	NA	NA	NA	NA	NA	NA	
Cyanide	NA	NA	NA	NA	NA	NA	NA	
Non-Priority Pollutant Metals								
Aluminum	NA	NA	NA	NA	NA	NA	NA	
Barium	NA	NA	NA	NA	NA	NA	NA	
Cobalt	NA	NA	NA	NA	NA	NA	NA	
Tin	NA	NA	NA	NA	NA	NA	NA	
Vanadium	NA	NA	NA	NA	NA	NA	NA	
Boron	NA	NA	NA	NA	NA	NA	NA	
Iron	NA	NA	NA	NA	NA	NA	NA	
Manganese	NA	NA	NA	NA	NA	NA	NA	

Table 3 Summary of Metals and Miscellaneous Parameters in Ground Water, Krummrich Plant, Bayport, Texas

Well Number:	GM-10C	GM-10C	GM-10C	GM-10C	GM-10C	GM-10C	GM-12A	GM-12A	GM-12A	GM-12A
Date:	12/86	5/87	11/87	5/88	11/88	11/89	12/86	12/86*	5/87	5/87*
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
pH	8.0	7.9	7.7	7.3	7.4	7.3	6.8	6.8	6.9	6.9
Spec. conductance (umhos/cm)	930	1,450	1,100	1,200	a	1,100	8,000	8,000	34,000	34,000
Temperature (deg. centigrade)	15	17	18	15	15	15	15	15	18	18
Phenols	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Non-Priority Pollutant Metals										
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3 Summary of Metals and Miscellaneous Parameters in Ground Water, Krummrich Plant, Kenilworth, New Jersey

Well Number:	GM-12A	GM-12A	GM-12A	GM-12A	GM-12A	GM-12A	GM-12B	GM-12B	GM-12B	GM-12B
Date:	11/87	11/87*	5/88	11/88	5/89	11/89	12/86	5/87	11/87	5/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
pH	7.1	7.1	6.7	9	8.2	--	7.2	7.5	7.1	7.2
Spec. conductance (umhos/cm)	37,000	37,000	35,000	>10,000	>10,000	8,000	1,380	1,150	1,350	1,000
Temperature (deg. centigrade)	17	17	15	14	15	15	15	16	16	13
Phenols	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Non-Priority Pollutant Metals										
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
Tin	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
Boron	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	N

Table 3 Summary of Metals and Miscellaneous Parameters in Ground Water, Kramer Junction Plant [illegible]

Well Number:	GM-12B	GM-12B	GM-12B	GM-12C	GM-12C	GM-12C	GM-12C	GM-12C	GM-12C	GM-12C
Date:	11/88	5/89	11/89	12/86	5/87	11/87	5/88	11/88	5/89	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
pH	7.2	7.0	--	6.7	7.7	7.5	8.1	7.3	7.6	--
Spec. conductance (umhos/cm)	2,100	2,200	1,600	2,000	1,800	1,000	1,200	2,000	1,800	1,400
Temperature (deg. centigrade)	14	15	17	15	17	17	14	14	16	16
Phenols	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Non-Priority Pollutant Metals										
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3 Summary of Metals and Miscellaneous Parameters in Drainage Water, Krummrich Plant, Budget Locations

Well Number:	GM-17A	GM-17A	GM-17A	GM-17A	GM-17A	GM-17A	GM-17B	GM-17B	GM-17B	GM-17B
Date:	12/86	5/87	11/87	5/88	11/88	11/89	12/86	5/87	11/87	5/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
pH	7.0	6.8	6.8	6.8	6.9	6.8	7.4	7.0	7.1	7.0
Spec. conductance (umhos/cm)	1,000	600	1,550	1,600	1,300	1,100	2,000	3,100	3,250	3,400
Temperature (deg. centigrade)	14	15	16	13	15	16	14	17	18	15
Phenols	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Non-Priority Pollutant Metals										
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3 Summary of Metals and Miscellaneous Parameters in Ground Water, Kramerton Plant, [illegible]

Well Number:	GM-17B	GM-17B	GM-17B	GM-17C	GM-17C	GM-17C	GM-17C	GM-17C	GM-17C	GM-17C
Date:	11/88	5/89	11/89	12/86	5/87	11/87	5/88	11/88	5/89	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
pH	7.4	NA	7.6	7.2	7.2	7.5	7.2	7.2	NA	7.5
Spec. conductance (umhos/cm)	4,400	NA	2,900	3,500	3,000	4,000	3,000	2,000	NA	1,000
Temperature (deg. centigrade)	14	17	16	14	15	17	15	14	15	15
Phenols	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Non-Priority Pollutant Metals										
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table [illegible]: Summary of Metals and Miscellaneous Parameters in Ground Water, [illegible] Plant [illegible]

Well Number:	GM-27B	GM-27B	GM-27B	GM-27B	GM-27B	GM-27C	GM-27C	GM-27C	GM-27C	GM-27C
Date:	12/86	5/87	11/87	5/88	11/89	12/86	5/87	11/87	5/88	11/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
pH	7.1	7.6	6.8	6.7	7	7.0	7.5	7.1	6.6	6.7
Spec. conductance (umhos/cm)	1,250	350	2,200	2,400	--	825	600	2,000	2,900	3,500
Temperature (deg. centigrade)	13	20	17	14	16	13	17	17	13	14
Phenols	NA	NA	0.602	NA	NA	NA	NA	0.364	NA	NA
Cyanide	NA	NA	<.025	NA	NA	NA	NA	<.025	NA	NA
Non-Priority Pollutant Metals										
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3 Summary of Metals and Miscellaneous Parameters in Ground Water, Aluminum Plant, Badger, Illinois

Well Number:	GM-27C	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B	GM-28C	GM-28C	GM-28C
Date:	11/89	12/86	5/87	11/87	5/88	3/89	11/89	12/86	5/87	11/87
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	NA	NA	NA	<60	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	<10	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	<1.0	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	<2.0	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	<10	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	<10	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	<75	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	<0.20	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	<20	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	<5.0	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	<10	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	<10	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	150	NA	NA	NA	NA
Miscellaneous Parameters										
pH	7.3	7.0	7.1	7.0	6.9	6.9	7.5	7.0	6.8	6.7
Spec. conductance (umhos/cm)	--	1,100	1,700	2,300	1,750	1,900	--	2,200	2,150	1,500
Temperature (deg. centigrade)	16	13	16	16	13	14	14	12	16	17
Phenols	NA	NA	NA	NA	NA	11.4	NA	NA	NA	NA
Cyanide	NA	NA	NA	0.027	NA	<0.025	NA	NA	NA	0.025
Non-Priority Pollutant Metals										
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3 Summary of Metals and Miscellaneous Parameters in Drking Water, Crummer Plant.

Well Number:	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-31A	GM-31A
Date:	5/88	11/88	3/89	3/89 *	11/89	12/86	12/86*
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Metals (concentrations are in mg/L. except where noted)							
Antimony	NA	NA	<60	<60	NA	NA	NA
Arsenic	NA	NA	<50	<10	NA	NA	N.
Beryllium	NA	NA	<1.0	<1.0	NA	NA	N
Cadmium	NA	NA	<2.0	<2.0	NA	NA	N
Chromium	NA	NA	<10	<10	NA	NA	N
Copper	NA	NA	<10	<10	NA	NA	N
Lead	NA	NA	<75	<75	NA	NA	
Mercury	NA	NA	<0.20	<0.20	NA	NA	
Nickel	NA	NA	<20	<20	NA	NA	
Selenium	NA	NA	<5.0	<5.0	NA	NA	
Silver	NA	NA	<10	<10	NA	NA	
Thallium	NA	NA	<10	<10	NA	NA	
Zinc	NA	NA	35	53	NA	NA	
Miscellaneous Parameters							
pH	6.9	7.1	6.9	6.9	7.2	8.0	
Spec. conductance (umhos/cm)	1,400	1,600	2,200	2,200	--	1,500	1,
Temperature (deg. centigrade)	13	15	14	14	14	13	
Phenols	NA	NA	3.07	2.84	NA	NA	
Cyanide	NA	NA	<0.025	0.035	NA	NA	
Non-Priority Pollutant Metals							
Aluminum	NA	NA	NA	NA	NA	NA	
Barium	NA	NA	NA	NA	NA	NA	
Cobalt	NA	NA	NA	NA	NA	NA	
Tin	NA	NA	NA	NA	NA	NA	
Vanadium	NA	NA	NA	NA	NA	NA	
Boron	NA	NA	NA	NA	NA	NA	
Iron	NA	NA	NA	NA	NA	NA	
Manganese	NA	NA	NA	NA	NA	NA	

Table 3: Summary of Metals and Miscellaneous Parameters in Ground Water, Ammonia Plant, Joliet, Illinois

Well Number:	GM-31A	GM-31A	GM-31A	GM-31A	GM-31B	GM-31B	GM-31B	GM-31B	GM-31B	GM-31B
Date:	11/87*	5/88	11/88	11/89	12/86	12/86*	5/87	5/87*	11/87	11/87*
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
pH	6.6	6.8	6.9	6.9	6.8	6.8	7.7	7.7	6.7	6.7
Spec. conductance (umhos/cm)	1,200	1,000	1,400	700	2,200	2,200	1,000	1,000	3,200	3,200
Temperature (deg. centigrade)	17	13	15	15	13	13	17	17	17	17
Phenols	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Non-Priority Pollutant Metals										
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3 Summary of Metals and Miscellaneous Parameters in Drinking Water [illegible] Plant [illegible]

Well Number:	GM-31B	GM-31B	GM-31B	GM-31B	GM-31C	GM-31C	GM-31C	GM-31C	GM-31C	GM-31C
Date:	5/88	11/88	5/89	11/89	12/86	5/87	11/87	5/88	11/88	5/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
pH	6.7	6.9	6.9	7.0	7.4	6.6	7.3	7.5	7.2	7.1
Spec. conductance (umhos/cm)	3,100	3,100	NA	2,750	1,275	1,800	1,100	1,000	1,500	NA
Temperature (deg. centigrade)	13	15	15	15	13	17	17	12	15	15
Phenols	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Non-Priority Pollutant Metals										
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3 Summary of Metals and Miscellaneous Parameters in Ground Water, Krummrich Plant, Sheet 1

Well Number:	GM-31C	GM-55C	GM-55C	GM-55C	GM-55C	GM-56C	GM-56C	GM-56C
Date:	11/89	11/87	5/88	11/88	11/89	11/87	5/88	11/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Metals (concentrations are in mg/L, except where noted)								
Antimony	NA	<.066	<.076	NA	NA	<.080	<.076	NA
Arsenic	NA	<.010	0.012	NA	NA	<.010	<.010	NA
Beryllium	NA	<.00064	<.0004	NA	NA	<.00078	<.0004	NA
Cadmium	NA	<.0023	<.003	NA	NA	<.0055	<.003	NA
Chromium	NA	<.015	0.056	NA	NA	<.032	0.050	NA
Copper	NA	<.016	<.008	NA	NA	<.012	<.008	NA
Lead	NA	<.063	<.052	NA	NA	<.062	<.052	NA
Mercury	NA	<.00024	<.0002	NA	NA	<.00020	<.0002	NA
Nickel	NA	0.019	<.009	NA	NA	<.015	0.011	NA
Selenium	NA	<.005	<.005	NA	NA	<.005	<.005	NA
Silver	NA	<.011	<.006	NA	NA	<.027	<.006	NA
Thallium	NA	<.010	<.010	NA	NA	<.010	<.010	NA
Zinc	NA	<.020	0.035	NA	NA	0.100	0.034	NA
Miscellaneous Parameters								
pH	7.3	7.0	7.1	7.2	6.7	6.8	6.8	6.9
Spec. conductance (umhos/cm)	800	1,400	1,200	1,500	--	1,200	2,100	2,200
Temperature (deg. centigrade)	15	17	13	15	15	15	13	15
Phenols	NA	0.167	2.6	NA	NA	17.0	10.4	NA
Cyanide	NA	<.025	<.025	NA	NA	0.063	<.025	NA
Non-Priority Pollutant Metals								
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA
Tin	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA
Boron	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA

Table 3 Summary of Metals and Miscellaneous Parameters in Ground Water, Ammonia Plant, Skagit, Washington

Well Number:	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-58A	GM-58A	GM-58A	GM-58A
Date:	11/87*	5/88	5/88*	11/88	3/89	11/89	11/87	5/88	11/88	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Metals (concentrations are in mg/L except where noted)										
Antimony	<.080	0.090	0.096	NA	<60	NA	<.110	<.076	NA	NA
Arsenic	<.010	<.010	<.010	NA	<10	NA	<.010	<.010	NA	NA
Beryllium	<.00078	<.0004	<.0004	NA	<1.0	NA	<.00055	<.0004	NA	NA
Cadmium	<.0055	<.003	<.003	NA	<2.0	NA	<.0045	<.003	NA	NA
Chromium	<.032	0.089	0.087	NA	<10	NA	<.026	0.050	NA	NA
Copper	<.012	<.008	<.008	NA	<10	NA	<.013	<.008	NA	NA
Lead	<.062	<.052	<.052	NA	<75	NA	<.083	<.052	NA	NA
Mercury	<.00020	<.0002	<.0002	NA	<0.20	NA	<.0002	<.0002	NA	NA
Nickel	0.029	0.032	0.030	NA	<20	NA	<.017	<.009	NA	NA
Selenium	<.005	<.005	<.005	NA	<5.0	NA	<.005	<.005	NA	NA
Silver	<.027	<.006	0.006	NA	<10	NA	<.023	<.006	NA	NA
Thallium	<.010	<.010	<.010	NA	<10	NA	<.010	<.010	NA	NA
Zinc	0.042	0.082	0.082	NA	87	NA	0.110	1.70	NA	NA
Miscellaneous Parameters										
pH	6.6	6.7	7.2	6.7	6.7	6.4	7.1	7.2	6.8	6.9
Spec. conductance (umhos/cm)	3,200	2,900	800	2,800	2,900	1,500	700	800	1,300	1,100
Temperature (deg. centigrade)	16	13	15	15	14	14	13	15	15	14
Phenols	71.5	45.8	49.6	NA	11.1	NA	0.144	<.050	NA	NA
Cyanide	0.037	<.025	<.025	NA	<0.025	NA	<.025	<.025	NA	NA
Non-Priority Pollutant Metals										
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Cyanide .2 .6 mg/l
CWS

phenol .1 mg/l.

Table 5 Summary of Metals and Miscellaneous Parameters in Ground Water, Krummrich Plant, Budget, [illegible]

Well Number:	GM-59A	GM-59A	GM-59A	GM-59A	3-25A	3-26A	3-28A	GM-106	GM-105	GM-106
Date:	11/87	5/88	11/88	11/89	3/87	3/87	3/87	12/86	5/87	11/87
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Metals (concentrations are in mg/L, except where noted)						CWD-654				
Antimony	<.110	<.076	NA	NA	NA	<.057	<.057	NA	NA	NA
Arsenic	<.010	<.010	NA	NA	NA	0.054	0.077	NA	NA	NA
Beryllium	<.00055	<.0004	NA	NA	NA	<.00052	<.00052	NA	NA	NA
Cadmium	<.0045	<.003	NA	NA	NA	<.0025	<.0025	NA	NA	NA
Chromium	<.026	0.043	NA	NA	NA	<.013	<.013	NA	NA	NA
Copper	<.013	<.008	NA	NA	NA	<.0052	<.0052	NA	NA	NA
Lead	<.083	<.052	NA	NA	NA	<.050	<.0050	NA	NA	NA
Mercury	<.0002	<.0002	NA	NA	NA	<.00022	<.00022	NA	NA	NA
Nickel	<.017	<.009	NA	NA	NA	<.0096	<.0096	NA	NA	NA
Selenium	<.005	<.005	NA	NA	NA	<.0050	<.0050	NA	NA	NA
Silver	<.023	<.006	NA	NA	NA	<.011	<.011	NA	NA	NA
Thallium	<.010	<.010	NA	NA	NA	<.0050	<.0050	NA	NA	NA
Zinc	2.15	2.51	NA	NA	NA	0.036	0.023	NA	NA	NA
Miscellaneous Parameters										
pH	7.2	7.2	7.3	6.9	NA	6.5	7.6	7.7	7.9	7.8
Spec. conductance (umhos/cm)	800	700	900	1,200	NA	2,300	2,800	1,475	1,150	1,400
Temperature (deg. centigrade)	13	14	15	14	NA	10	11	13	15	11
Phenols	<.050	<.050	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	<.025	<.025	NA	NA	0.035	<.025	<.025	NA	NA	NA
Non-Priority Pollutant Metals										
Aluminum	NA	NA	NA	NA	NA	<.088	<.088	NA	NA	NA
Barium	NA	NA	NA	NA	NA	0.171	0.110	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	<.026	<.026	NA	NA	NA
Tin	NA	NA	NA	NA	NA	<.052	<.052	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	<.011	<.011	NA	NA	NA
Boron	NA	NA	NA	NA	NA	21.2	29.1	NA	NA	NA
Iron	NA	NA	NA	NA	NA	39.5	30.1	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	4.65	8.74	NA	NA	NA

Table 5 Summary of Metals and Miscellaneous Parameters in Ground Water, Summer

Well Number:	GM-106	GM-106	GM-106
Date:	5/88	11/88	11/89
Laboratory:	ETC	ETC	ETC
USEPA Priority Pollutant Metals (concentrations are in mg/L, except where noted)			
Antimony	NA	NA	NA
Arsenic	NA	NA	NA
Beryllium	NA	NA	NA
Cadmium	NA	NA	NA
Chromium	NA	NA	NA
Copper	NA	NA	NA
Lead	NA	NA	NA
Mercury	NA	NA	NA
Nickel	NA	NA	NA
Selenium	NA	NA	NA
Silver	NA	NA	NA
Thallium	NA	NA	NA
Zinc	NA	NA	NA
Miscellaneous Parameters			
pH	8.5	7.7	9.6
Spec. conductance (umhos/cm)	1,000	1,500	--
Temperature (deg. centigrade)	15	15	15
Phenols	NA	NA	NA
Cyanide	NA	NA	NA
Non-Priority Pollutant Metals			
Aluminum	NA	NA	NA
Barium	NA	NA	NA
Cobalt	NA	NA	NA
Tin	NA	NA	NA
Vanadium	NA	NA	NA
Boron	NA	NA	NA
Iron	NA	NA	NA
Manganese	NA	NA	NA

Table 3 Summary of Metals and Miscellaneous Parameters in Ground Water, Krummrich Plant, Sauget, Illinois

Well Number:	P-1	P-1	P-2	P-2	P-2	P-2	P-2	P-2	P-3	P-6
Date:	3/87	11/87	12/86	5/87	11/87	5/88	11/88	11/89	11/87	12/86
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Metals (concentrations are in mg/L, except where noted)										
Antimony	<.057	NA	NA	NA	NA	NA	NA	NA	<.066	NA
Arsenic	0.042	NA	NA	NA	NA	NA	NA	NA	0.012	NA
Beryllium	<.00052	NA	NA	NA	NA	NA	NA	NA	<.00064	NA
Cadmium	<.0025	NA	NA	NA	NA	NA	NA	NA	<.0023	NA
Chromium	<.013	NA	NA	NA	NA	NA	NA	NA	<.015	NA
Copper	<.0052	NA	NA	NA	NA	NA	NA	NA	<.016	NA
Lead	<.0050	NA	NA	NA	NA	NA	NA	NA	<.063	NA
Mercury	<.00022	NA	NA	NA	NA	NA	NA	NA	<.00024	NA
Nickel	<.0096	NA	NA	NA	NA	NA	NA	NA	<.013	NA
Selenium	<.0050	NA	NA	NA	NA	NA	NA	NA	<.005	NA
Silver	<.011	NA	NA	NA	NA	NA	NA	NA	<.011	NA
Thallium	<.0050	NA	NA	NA	NA	NA	NA	NA	<.010	NA
Zinc	0.050	NA	NA	NA	NA	NA	NA	NA	0.062	NA
Miscellaneous Parameters										
pH	7.0	7.0	6.5	6.9	6.9	6.8	6.8	6.7	6.7	6.4
Spec. conductance (umhos/cm)	2,200	2,000	1,400	1,700	2,200	2,000	3,600	--	2,500	1,100
Temperature (deg. centigrade)	10	17	13	15	17	13	15	14	17	13
Cyanide	<.025	<.025	NA	NA	<.025	NA	NA	NA	<.025	NA
Phenols	NA	NA	NA	NA	NA	NA	NA	NA	0.123	NA
Non-Priority Pollutant Metals										
Aluminum	<.088	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	0.257	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	<.026	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tin	<.052	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	<.011	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	4.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	16.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	2.64	NA	NA	NA	NA	NA	NA	NA	NA	NA

CVO
~~phenol~~ — .1 mg/l

Table 3 Summary of Metals and Miscellaneous Parameters in Ground Water, Krummrich Plant Target Compounds

Well Number:	P-7	P-7	P-7	P-8	P-8	P-8	P-8	P-8	P-8	P-8
Date:	11/88	3/89	11/89	12/86	5/87	11/87	5/88	11/88	3/89	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	[illegible]	ETC	ETC
USEPA Priority Pollutant Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	<60	NA	NA	NA	NA	NA	NA	<60	NA
Arsenic	NA	<10	NA	NA	NA	NA	NA	NA	<20	NA
Beryllium	NA	<1.0	NA	NA	NA	NA	NA	NA	<1.0	NA
Cadmium	NA	<2.0	NA	NA	NA	NA	NA	NA	<2.0	NA
Chromium	NA	<10	NA	NA	NA	NA	NA	NA	<10	NA
Copper	NA	<10	NA	NA	NA	NA	NA	NA	<10	NA
Lead	NA	<75	NA	NA	NA	NA	NA	NA	<75	NA
Mercury	NA	<0.20	NA	NA	NA	NA	NA	NA	<0.20	NA
Nickel	NA	<20	NA	NA	NA	NA	NA	NA	67	NA
Selenium	NA	<5.0	NA	NA	NA	NA	NA	NA	<5.0	NA
Silver	NA	<10	NA	NA	NA	NA	NA	NA	<10	NA
Thallium	NA	<10	NA	NA	NA	NA	NA	NA	<10	NA
Zinc	NA	67	NA	NA	NA	NA	NA	NA	41	NA
Miscellaneous Parameters										
pH	6.7	6.8	6.5	6.4	6.8	6.8	6.6	6.5	6.7	6.4
Spec. conductance (umhos/cm)	2,700	3,600	--	1,260	800	3,700	3,300	4,900	12,500	--
Temperature (deg. centigrade)	15	14	14	13	15	16	14	15	14	15
Cyanide	NA	41.5	NA	NA	NA	0.065	NA	NA	24.5	NA
Phenols	NA	<0.025	NA	NA	NA	NA	NA	NA	0.025	NA
Non-Priority Pollutant Metals										
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA		NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA		NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA		NA
Tin	NA	NA	NA	NA	NA	NA	NA	NA		NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA		NA
Boron	NA	NA	NA	NA	NA	NA	NA	NA		NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA		NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA		NA

Cyanide CWO = .2 .6 mg/l

Table 3 Summary of Metals and Miscellaneous Parameters in Ground Water, Kennecott Point Siegel, Illinois

Well Number:	P-6	P-6	P-6	P-6	P-6	P-7	P-7	P-7	P-7	P-7
Date:	5/87	11/87	5/88	11/88	11/89	12/86	5/87	3/87	11/87	5/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	NA	NA	NA	NA	NA	<.057	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	0.011	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	<.00052	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	<.0025	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	<.013	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	<.0052	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	<.0050	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	<.00022	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	0.033	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	<.0050	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	<.011	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	<.0050	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	0.120	NA	NA
Miscellaneous Parameters										
pH	7.0	7.5	7.1	7.3	7.1	6.4	6.7	7.0	6.8	6.8
Spec. conductance (umhos/cm)	1,400	1,750	1,700	2,600	--	1,200	1,400	3,400	2,800	2,100
Temperature (deg. centigrade)	15	16	13	14	14	13	15	10	18	12
Cyanide	NA	<.025	NA	NA	NA	NA	NA	<.025	0.041	NA
Phenols	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Non-Priority Pollutant Metals										
Aluminum	NA	NA	NA	NA	NA	NA	NA	<.088	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	0.027	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	0.140	NA	NA
Tin	NA	NA	NA	NA	NA	NA	NA	<.052	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	0.022	NA	NA
Boron	NA	NA	NA	NA	NA	NA	NA	34	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	22.4	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	14.8	NA	NA

Table 5. Summary of Metals and Miscellaneous Parameters in Ground Water, Krummrich Plant, Sauget, Illinois

Well Number:	P-10	P-11	P-11	P-12	P-13	P-13	P-13	P-13	P-13	P-13
Date:	11/87	3/87	11/87	11/87	12/86	5/87	11/87	5/88	11/88	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	<.057	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	0.043	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	NA	<.00052	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	<.0025	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	<.013	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	<.0052	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	<.0050	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	<.00022	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	<.0096	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	<.0050	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	<.011	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	<.0050	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	0.040	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
pH	6.9	7.7	6.9	6.9	7.2	6.9	6.9	6.9	6.7	6.[illegible]
Spec. conductance (umhos/cm)	1,550	1,000	1,300	1,680	1,700	1,100	1,300	1,800	3,700	[illegible]
Temperature (deg. centigrade)	16	11	17	15	13	15	16	13	15	1[illegible]
Cyanide	0.029	<.025	<.025	0.027	NA	NA	<.025	NA	NA	N[illegible]
Phenols	NA	NA	NA	18.9	NA	NA	0.205	NA	NA	N[illegible]
Non-Priority Pollutant Metals										
Aluminum	NA	<.088	NA	NA	NA	NA	NA	NA	NA	N[illegible]
Barium	NA	0.155	NA	NA	NA	NA	NA	NA	NA	N[illegible]
Cobalt	NA	<.026	NA	NA	NA	NA	NA	NA	NA	N[illegible]
Tin	NA	<.052	NA	NA	NA	NA	NA	NA	NA	N[illegible]
Vanadium	NA	<.011	NA	NA	NA	NA	NA	NA	NA	N[illegible]
Boron	NA	2.54	NA	NA	NA	NA	NA	NA	NA	[illegible]
Iron	NA	16.8	NA	NA	NA	NA	NA	NA	NA	[illegible]
Manganese	NA	3.31	NA	NA	NA	NA	NA	NA	NA	[illegible]

Table 5. Summary of Metals and Miscellaneous Parameters in Ground Water, Krummrich Pl

Well Number:	P-14	P-14	P-14	P-14	P-14	P-14	
Date:	12/86	5/87	11/87	5/88	11/88	11/89	
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	
USEPA Priority Pollutant Metals (concentrations are in mg/L, except where noted)							
Antimony	NA	NA	NA	NA	NA	NA	
Arsenic	NA	[illegible]	NA	NA	NA	NA	
Beryllium	NA	NA	NA	NA	NA	NA	<.
Cadmium	NA	NA	NA	NA	NA	NA	<
Chromium	NA	NA	NA	NA	NA	NA	
Copper	NA	NA	NA	NA	NA	NA	<.
Lead	NA	NA	NA	NA	NA	NA	<.
Mercury	NA	NA	NA	NA	NA	NA	<.0
Nickel	NA	NA	NA	NA	NA	NA	<.
Selenium	NA	NA	NA	NA	NA	NA	<.
Silver	NA	NA	NA	NA	NA	NA	<
Thallium	NA	NA	NA	NA	NA	NA	<.
Zinc	NA	NA	NA	NA	NA	NA	0
Miscellaneous Parameters							
pH	7.0	7.0	7.4	7.4	7.2	7.1	
Spec. conductance (umhos/cm)	2,500	2,650	2,750	2,400	3,400	--	
Temperature (deg. centigrade)	13	15	18	13	15	15	
Cyanide	NA	NA	<.025	NA	NA	NA	<.
Phenols	NA	NA	0.160	NA	NA	NA	
Non-Priority Pollutant Metals							
Aluminum	NA	NA	NA	NA	NA	NA	<.(
Barium	NA	NA	NA	NA	NA	NA	0.0(
Cobalt	NA	NA	NA	NA	NA	NA	<.(
Tin	NA	NA	NA	NA	NA	NA	<.(
Vanadium	NA	NA	NA	NA	NA	NA	<.0
Boron	NA	NA	NA	NA	NA	NA	<.0
Iron	NA	NA	NA	NA	NA	NA	<.1
Manganese	NA	NA	NA	NA	NA	NA	0.0