SDMS US EPA REGION V -1

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160228

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Table . Summary of Volatile Organic Compounds in Ground Water, Krummrich Plant, Sanger [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
EPA Priority Pollutant Volatile Organic Compounds Concentrations are in ug/L										
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	<16	<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**	**13.3**	**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	<10
Vinyl chloride	<10	<10	<10	<10	<10	<10	<10	<500	<50	<10
Trans-1,3-Dichloropropylene	<10	<10	<10	<10	<10	<10	<10	<500	<50	<10
Sub Total 1	0	42	3	15	14	29	0	3,258	2,022	67
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
o-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m-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	42	3	15	14	29	0	3,258	2,022	67

000090

mpounds, in Ground Water, Krummrich Plant, Sauget Illinois

I-4B	GM-4B	GM-4C	GM-4C	GM-4C	GM-4C	GM-4C	GM-4C	GM-4C
/89	11/89	12/86	5/87	11/87	5/88	11/88	5/89	11/89
ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
1000	<10000	<100	<5,000	<1000	<100	<100	<1000	<10000
1000	<10000	<100	<5,000	<1000	<100	<100	<1000	<10000
127	<440	<4.4	<220	<44	<4.4	<4.4	290	693
<100	<1000	<10	<500	<100	<10	<10	<100	<1000
<47	<470	<4.7	<240	<47	<4.7	<4.7	<47	<470
<28	<280	<2.8	<140	<28	<2.8	<2.8	<28	<280
,510	8,120	<6	1,770	2,490	<6.0	71.6	5,440	14,700
<31	<310	<3.1	<160	<31	<3.1	<3.1	<31	<310
<100	<1000	<10	<500	<100	<10	<10	<100	<1000
<100	<1000	<10	<500	<100	<10	<10	<100	<1000
<16	<160	<1.6	<80	46	<1.6	<1.6	<16	<160
<22	<220	<2.2	<110	<22	<2.2	<2.2	<22	<220
<100	<1000	<10	<500	<100	<10	<10	<100	<1000
<47	<470	<4.7	<240	<47	<4.7	<4.7	<47	<470
<28	<280	<2.8	<140	<28	<2.8	<2.8	<28	<280
<28	<280	<2.8	<140	<28	<2.8	<2.8	<28	<280
<60	<600	<6	<300	<60	<6.0	<6.0	<60	<600
<50	<500	<5	<250	<50	<5.0	<5.0	<50	<500
<72	<720	<7.2	<360	<72	<7.2	<7.2	<72	<720
<100	<1000	<10	<500	<100	<10	<10	<100	<1000
<100	<1000	<10	<500	<100	<10	<10	<100	<1000
<28	<280	<2.8	203	<28	38.4	<2.8	60.5	455
<69	<690	<6.9	<350	<69	<6.9	<6.9	<69	<690
<41	<410	<4.1	<210	<41	<4.1	<4.1	<41	<410
<60	<600	<6	<300	<60	<6	<6	<60	<600
<16	<160	<1.6	<80	<16	<1.6	<1.6	<16	<160
<38	<380	<3.8	<190	<38	<3.8	<3.8	<38	<380
<50	<500	<5	<250	<50	<5	<5	<50	<500
<19	<190	<1.9	<95	<19	<1.9	<1.9	<19	<190
<100	<1000	<10	<500	<100	<10	<10	<100	<1000
<100	<1000	<10	<500	<100	<10	<10	<100	<1000
<100	<1000	<10	<500	<100	<10	<10	<100	<1000
,637		0	1,973	2,536	38	72	5,791	15,848
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	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		0	0	0	0	0	0	0
3,637		0	1,973	2,536	38	72	5,791	15,848

able 1 Summary of Volatile Organic Compounds in Ground Water, Krummrich Plant, Kalle [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
Priority Pollutant										
ile Organic Compounds										
ntrations are in ug/L										
sin	<1,000	<100	<100	<100	<100	<100	<100	<100	<100	<500
onitrile	<1,000	<100	<100	<100	<100	<100	<100	<100	<100	<500
ie	74.4	8.6	<4.4	<4.4	<4.4	<4.4	<4.4	10.8	11.9	<22
chloromethyl) ether	<100	<10	<10	<10	<10	<10	<10	<10	<10	<50
form	<47	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<24
tetrachloride	<28	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<14
benzene	<60	138	<6.0	<6.0	<6.0	<6.0	<6	96.6	130.0	248
dibromomethane	<31	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<16
ethane	<100	<10	<10	<10	<10	<10	<10	<10	<10	<50
roethylvinyl ether	<100	<10	<10	<10	<10	<10	<10	<10	<10	<50
form	<16	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<8.0
robromomethane	<22	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<11
rodifluoromethane	<100	<10	<10	<10	<10	<10	<10	<10	<10	<50
chloroethane	<47	6.2	<4.7	<4.7	<4.7	<4.7	<4.7	34.6	31.1	<24
chloroethane	<28	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<14
chloroethylene	<28	7.1	<2.8	<2.8	<2.8	<2.8	<2.8	13.5	5.94	<14
chloropropane	<60	<6	<6.0	<6.0	<6.0	<6.0	<6	<6	<6.0	<30
3-Dichloropropylene	<50	<5	<5.0	<5.0	<5.0	<5.0	<5	<5	<5.0	<25
enzene	<72	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<36
bromide	<100	<10	<10	<10	<10	<10	<10	<10	<10	<50
chloride	<100	<10	<10	<10	<10	<10	<10	<10	<10	<50
ne chloride	<28	<2.8	11.6	7.4	5.46	<2.8	<2.8	<2.8	<2.8	39.3
-Tetrachloroethane	<69	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<35
loroethylene	<41	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<21
	<60	<6	<6.0	<6.0	<6.0	<6.0	<6	<6	<6.0	<30
ns-Dichloroethylene	<16	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	146	110	22.6
richloroethane	<38	112	<3.8	<3.8	5.92	4.46	<3.8	8.4	<3.8	<19
richloroethane	<50	<5	<5.0	<5.0	<5.0	<5.0	<5	<5	<5.0	<25
roethylene	<19	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<9.5
rofluoromethane	<100	<10	<10	<10	<10	<10	<10	<10	<10	<50
hloride	<100	<10	<10	<10	<10	<10	<10	22.8	13.9	<50
,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
neous										
Organic Compounds										
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
thyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
isulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ne	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
so-butyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
soamyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
/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 1 Summary of Volatile Organic Compounds in Ground water Krummrich Plant Hoechst Celanese

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, Krummrich Plant, Sauget, Illinois

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	7.45	<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

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

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
rity Pollutant rganic Compounds ions are in ug/L										
	<100	<100	<100	<100	<100	<100	<1,000	<1,000	<1,000	<1,000
ile	<100	<100	<100	<100	<100	<100	<1,000	<1,000	<1,000	<1,000
	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	957	632	428	545
omethyl) ether	<10	<10	<10	<10	<10	<10	<100	<100	<100	<100
	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<47	<47	<47	<47
rachloride	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<28	<28	<28	<28
ene	23.4	38.9	42.8	38.4	42.7	752.0	560	377	261	334
omomethane	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<31	<31	<31	<31
ne	<10	<10	<10	<10	<10	<10	<100	<100	<100	<100
hylvinyl ether	<10	<10	<10	<10	<10	<10	<100	<100	<100	<100
	<1.6	<1.6	<1.6	1.8	<1.6	<1.6	<16	<16	<16	<16
omomethane	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<22	<22	<22	<22
fluoromethane	<10	<10	<10	<10	<10	<10	<100	<100	<100	<100
roethane	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<47	<47	<47	<47
roethane	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<28	<28	<28	<28
roethylene	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<28	<28	<28	<28
ropropane	<6	<6	<6.0	<6.0	<6.0	<6.0	<60	<60	<60	<60
chloropropylene	<5	<5	<5.0	<5.0	<5.0	<5.0	<50	<50	<50	<50
ne	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<72	<72	<72	<72
mide	<10	<10	<10	<10	<10	<10	<100	<100	<100	<100
oride	<10	<10	<10	<10	<10	<10	<100	<100	<100	<100
chloride	14.4	17.4	6.64	8.0	<2.8	<2.8	66	80	67.4	64
trachloroethane	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<69	<69	<69	<69
roethylene	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<41	<41	<41	<41
	<6	<6	48.7	<6.0	<6.0	<6.0	<60	<60	<60	<60
Dichloroethylene	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<16	<16	<16	<16
hloroethane	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<38	<38	<38	<38
hloroethane	<5	<5	<5.0	<5.0	<5.0	<5.0	<50	<50	<50	<50
thylene	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<19	<19	<19	<19
luoromethane	<10	<10	<10	<10	<10	<10	<100	<100	<100	<100
ride	<10	<10	<10	<10	<10	<10	<100	<100	<100	<100
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
ous rganic Compounds										
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
yl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ulfide	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
-butyl ketone	NA	NA	NA	NA	NA	NA	<100	<100	<100	<100
amyl ketone	NA	NA	NA	NA	NA	NA	<100	<100	<100	<100
	NA	NA	NA	NA	NA	NA	<100	<100	<100	<100
-Xylene	NA	NA	NA	NA	NA	NA	<100	<100	<100	<100
Sub Total 2	0	0	0	0	0	0	0	0	0	0
otal VOCs Analyzed	38	56	98	48	43	752	1,583	1,089	756	943

Table 1 Summary of Volatile Organic Compounds in Ground Water, Krummrich Plant, Gauger [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 [illegible] Summary of Volatile Organic Compounds in Potable Water, Krummrich Plant, Badger [illegible]

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 1 Summary of Volatile Organic Compounds in Drinking Water, Kerr-McGee Plant, Gauges [illegible]

Well Number:	GM-12C	GM-12C	GM-12C	GM-12C	GM-12C	GM-17A	GM-17A	GM-17A	GM-17A	GM-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

Summary of Volatile Organic Compounds in Ground Water (Crompton Plant, Zeigler, Illinois)

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
ority Pollutant Organic Compounds tions are in ug/L										
	<10,000,000	<2,000	<100,000	<10,000	<10,000	<1,000	<1000	<10000	<10,000	<5,000
rile	<10,000,000	<2,000	<100,000	<10,000	<10,000	<1,000	<1000	<10000	<10,000	<5,000
	286,000	**52,900**	**70,600**	**69,300**	**9,610**	<44	**220**	<440	<440	<220
romethyl) ether	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<500
	<470,000	<94	<4,700	<470	<470	<47	<47	<470	<470	<240
trachloride	<280,000	<56	<2,800	<280	<280	<28	<28	<280	<280	<140
zene	**129,000**	**9,260**	**13,500**	**8,530**	**2,210**	**622**	**6,390**	**10,100**	**6,290**	**20,200**
romomethane	<3,100,000	<62	<3,100	<310	<310	<31	<31	<310	<310	<160
ane	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<500
thylvinyl ether	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<500
m	<160,000	<32	<1,600	<160	<160	<16	<16	<160	<160	<80
romomethane	<220,000	<44	<2,200	<220	<220	<22	<22	<220	<220	<110
ifluoromethane	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<500
oroethane	<470,000	<94	<4,700	<470	<470	<47	<47	<470	<470	<240
oroethane	<280,000	<56	<2,800	<280	<280	<28	<28	<280	<280	<140
oroethylene	<280,000	<56	<2,800	<280	<280	<28	<28	<280	<280	<140
oropropane	<600,000	<120	<6,000	<600	<600	<60	<60	<600	<600	<300
Dichloropropylene	<500,000	<120	<5,000	<1,000	<500	<50	<50	<500	<500	<250
zene	<720,000	<140	<7,200	<720	<720	<72	<72	<750	<720	<360
romide	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<500
hloride	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<500
chloride	<28,000	<56	**15,700**	**1,220**	<280	**662**	**37.9**	**364**	**1,030**	**361**
Tetrachloroethane	<690,000	<140	<6,900	<690	<690	<69	<69	<690	<690	<350
oroethylene	<410,000	<82	<4,100	<410	<410	<41	<41	<410	<410	<210
	<600,000	<120	<6,000	<600	<600	<60	<60	<600	<600	<300
s-Dichloroethylene	<160,000	<32	<1,600	<160	<160	<16	<16	<160	<160	<80
ichloroethane	<380,000	<76	<3,800	<380	<380	<38	<38	<380	<380	<190
ichloroethane	<500,000	<100	<5,000	<500	<500	<50	<50	<500	<500	<250
oethylene	<190,000	<38	<1,900	<190	<190	<19	<19	<190	<190	<95
ofluoromethane	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<500
loride	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<500
3-Dichloropropylene	<1,000,000	<200	<10,000	<500	<1,000	<100	<100	<1000	<1,000	<500
Sub Total 1	415,000	62,160	99,800	79,050	11,820	1,284	6,648	10,464	7,320	20,561
neous Organic Compounds										
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
thyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
isulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ne	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
so-butyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
soamyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
/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	415,000	62,160	99,800	79,050	11,820	1,284	6,648	10,464	7,320	20,561

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

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	<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	4.75	<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, Krummsee Plant, Saugus [illegible]

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

Table 1 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, Sauget, Illinois

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

Summary of Volatile Organic Compounds in Ground Water, Krummrich 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
Pollutant										
ic Compounds										
are in ug/L										
	<500	<500	<100	<100	<100	<100	<100	<100	<100	<100
	<500	<500	<100	<100	<100	<100	<100	<100	<100	<100
	70	84	15.6	17.0	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4
hyl) ether	<100	<100	<10	<10	<10	<10	<10	<10	<10	<10
	<50	<50	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7
loride	<50	<50	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
	<50	<50	12.1	12.1	<6	<6	7.1	10.3	<6.0	8.7
methane	<50	<50	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1
	<100	<100	<10	<10	<10	<10	<10	<10	<10	<10
vinyl ether	<50	<50	<10	<10	<10	<10	<10	<10	<10	<10
	<50	<50	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
methane	<50	<50	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
oromethane	<100	<100	<10	<10	<10	<10	<10	<10	<10	<10
thane	<50	<50	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7
thane	<50	<50	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
thylene	<50	<50	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
ropane	<50	<50	<6.0	<6.0	<6	<6	<6	<6	<6.0	<6.0
oropropylene	<50	<50	<5.0	<5.0	<5	<5	<5	<5	<5.0	<5.0
	<50	<50	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2
e	<100	<100	<10	<10	<10	<10	<10	<10	<10	<10
de	<100	<100	<10	<10	<10	<10	<10	<10	<10	<10
oride	<50	<50	<2.8	<2.8	4.4	14.6	15	44.5	13.4	14.3
chloroethane	<50	<50	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9
hylene	<50	<50	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1
	<50	<50	<6.0	<6.0	<6	<6	<6	<6	<6.0	<6.0
hloroethylene	<50	<50	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
roethane	<50	<50	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8
roethane	<50	<50	<5.0	<5.0	<5	<5	<5	<5	<5.0	<5.0
lene	<50	<50	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
romethane	<50	<50	<10	<10	<10	<10	<10	<10	<10	<10
le	<100	<100	<10	<10	<10	<10	<10	<10	15.4	20.5
hloropropylene	<50	<50	<10	<10	<10	<10	<10	<10	<10	<10
Sub Total 1	70	84	28	29	4	15	22	55	29	43
nic Compounds										
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
fide	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
tyl ketone	<500	<500	<10	<10	NA	NA	NA	NA	NA	NA
yl ketone	<100	<100	<10	<10	NA	NA	NA	NA	NA	NA
	<50	<50	<10	<10	NA	NA	NA	NA	NA	NA
ylene	<50	<50	<10	<10	NA	NA	NA	NA	NA	NA
Sub Total 2	0	0	0	0	0	0	0	0	0	0
al VOCs Analyzed	70	84	28	29	4	15	22	55	29	43

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

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

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, Krummrich Plant, Sauget, Illinois

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	3/89
Laboratory:	ETC	SL	ETC SL	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	<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	<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	<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	<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	<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, Badger, 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	3.05	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 1 Summary of Volatile Organic Compounds in Ground Water, Ammunition Plant, Saugus [illegible]

Well Number:	B-25A	B-26A	B-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
o-Xylene	<100	<10	<100	NA	NA	NA	NA	NA	NA
m-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 1 Summary of Volatile Organic Compounds 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 Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<100	<1,000	<100	<100	<1,000	<2,000	<2,000	<5000	<1,000	<100
Acrylonitrile	<100	<1,000	<100	<100	<1,000	<2,000	<2,000	<5000	<1,000	<100
Benzene	<4.4	102	56.1	50.8	140	88.3	571	272	2,220	79.2
Bis (chloromethyl) ether	<10	<100	<10	<10	<100	<200	<200	<500	<100	<10
Bromoform	<4.7	<47	<4.7	<4.7	<47	<94	<94	<240	<47	<4.7
Carbon tetrachloride	<2.8	<28	<2.8	<2.8	<28	<56	<56	<140	<28	<2.8
Chlorobenzene	454	1,110	618	497	1,040	605	1,510	1,810	346	366
Chlorodibromomethane	<3.1	<31	<3.1	<3.1	<31	<62	<62	<160	<31	<3.1
Chloroethane	<10	<100	<10	<10	<100	<200	<200	<500	<100	<10
2-Chloroethylvinyl ether	<10	<100	<10	<10	<100	<200	<200	<500	<100	<10
Chloroform	<1.6	<16	<1.6	<1.6	<16	<32	<32	<80	<16	<1.6
Dichlorobromomethane	<2.2	<22	<2.2	<2.2	<22	<44	<44	<110	<22	<2.2
Dichlorodifluoromethane	<10	<100	<10	<10	<100	<200	<200	<500	<100	<10
1,1-Dichloroethane	<4.7	<47	<4.7	<4.7	<47	<94	<94	<240	<47	<4.7
1,2-Dichloroethane	<2.8	<28	<2.8	<2.8	<28	<56	<56	<140	<28	<2.8
1,1-Dichloroethylene	<2.8	35.1	<2.8	<2.8	<28	<56	<56	<140	<28	<2.8
1,2-Dichloropropane	<6.0	<60	<6	<6	<60	<120	<120	<300	<60	<6
cis-1,3-Dichloropropylene	<5.0	<50	<5	<5	<50	<100	<100	<250	<50	<5
Ethylbenzene	<7.2	<72	<7.2	<7.2	<72	<140	<140	<360	<72	<7.2
Methyl bromide	<10	<100	<10	<10	<100	<200	<200	<500	<100	<10
Methyl chloride	<10	<100	<10	<10	<100	<200	<200	<500	<100	<10
Methylene chloride	<2.8	95.0	13.6	<2.8	<28	<56	664	<140	<28	33.9
1,1,2,2-Tetrachloroethane	<6.9	<69	<6.9	<6.9	<69	<140	<140	<350	<69	<6.9
Tetrachloroethylene	<4.1	<41	<4.1	<4.1	<41	<82	<82	<210	<41	<4.1
Toluene	<6.0	<60	<6	<6	<60	<120	198	<300	<60	<6
1,2-trans-Dichloroethylene	<1.6	29.2	<1.6	<1.6	<16	<32	609	<80	<16	<1.6
1,1,1-Trichloroethane	<3.8	<38	<3.8	<3.8	<38	<76	146	<190	<38	<3.8
1,1,2-Trichloroethane	<5.0	<50	<5	<5	<50	<100	<100	<250	<50	<5
Trichloroethylene	<1.9	<19	<1.9	<1.9	<19	<38	249	<95	<19	<1.9
Trichlorofluoromethane	<10	<100	<10	<10	<100	<200	<200	<500	<100	<10
Vinyl chloride	<10	<100	<10	<10	<100	<200	1,290	<500	<100	<10
trans-1,3-Dichloropropylene	<10	<100	<10	<10	<100	<200	<200	<500	<100	<10
Sub Total 1	454	1,371	688	548	1,180	693	5,237	2,082	2,566	479
Miscellaneous Volatile Organic Compounds										
Acetone	30.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-iso-butyl ketone	<10	<100	NA	NA	<100	NA	NA	NA	400	NA
Methyl isoamyl ketone	NA	<100	NA	NA	<100	NA	NA	NA	<100	NA
m-Xylene	<10	<100	NA	NA	<100	NA	NA	NA	<100	NA
o-Xylene/p-Xylene	<10	<100	NA	NA	<100	NA	NA	NA	<100	NA
Sub Total 2	30.4	0	0	0	0	0	0	0	400	0
Total VOCs Analyzed	484	1,371	688	548	1,180	693	5,237	2,082	2,966	479

Table 1 Summary of Volatile Organic Compounds in Ground Water Krummrich Plant, Kalamazoo, Michigan

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	3/87	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	<100	<1,000	<5000	<10,000	<10,000	<50,000	<1,000	<2,000
Acrylonitrile	<100	<100	<100	<1,000	<5000	<10,000	<10,000	<50,000	<1,000	<2,000
Benzene	<4.4	<4.4	<4.4	419	434	523	1,420	11,300	1,830	861
Bis (chloromethyl) ether	<10	<10	<10	<100	<500	<1,000	<1,000	<5,000	<100	<200
Bromoform	<4.7	<4.7	<4.7	<47	<240	<470	<470	<2,400	62.3	<94
Carbon tetrachloride	<2.8	<2.8	<2.8	<28	<140	<280	<280	<1,400	<28	<56
Chlorobenzene	33.1	7.48	<6.0	837	1,000	1,470	4,310	25,200	3,290	1,560
Chlorodibromomethane	<3.1	<3.1	<3.1	<31	<160	<310	<310	<1,600	<31	<62
Chloroethane	<10	<10	<10	<100	<500	<1,000	<1,000	<5,000	<100	<200
2-Chloroethylvinyl ether	<10	<10	<10	<100	<500	<1,000	<1,000	<5,000	<100	<200
Chloroform	<1.6	<1.6	<1.6	28.8	<80	<160	<160	<800	<16	<32
Dichlorobromomethane	<2.2	<2.2	<2.2	<22	<110	<220	<220	<1,100	<22	<44
Dichlorodifluoromethane	<10	<10	<10	<100	<500	<1,000	<1,000	<5,000	<100	<200
1,1-Dichloroethane	<4.7	<4.7	<4.7	154	<240	<470	<470	<2,400	<47	<94
1,2-Dichloroethane	<2.8	<2.8	<2.8	<28	<140	<280	<280	<1,400	<28	<56
1,1-Dichloroethylene	<2.8	<2.8	<2.8	<28	<140	<280	<280	<1,400	<28	<56
1,2-Dichloropropane	<6	<6.0	<6.0	<60	<300	<600	<600	<3,000	<60	<120
cis-1,3-Dichloropropylene	<5	<5.0	<5.0	<50	<250	<500	<500	<2,500	<50	<100
Ethylbenzene	<7.2	<7.2	<7.2	<72	<360	<720	<720	<3,600	<72	<140
Methyl bromide	<10	<10	<10	<100	<500	<1,000	<1,000	<5,000	<100	<200
Methyl chloride	<10	<10	<10	<100	<500	<1,000	<1,000	<5,000	<100	<200
Methylene chloride	<2.8	3.87	<2.8	581.0	170	1,230	<280	18,200	<28	<56
1,1,2,2-Tetrachloroethane	<6.9	<6.9	<6.9	<69	<350	<690	<690	<3,500	117	<140
Tetrachloroethylene	<4.1	<4.1	<4.1	<41	<210	<410	<410	<2,100	<41	<82
Toluene	<6	<6.0	<6.0	189	<300	<600	<600	<3,000	251	<120
1,2-trans-Dichloroethylene	<1.6	<1.6	<1.6	585	<80	<160	<160	<800	<16	<32
1,1,1-Trichloroethane	<3.8	<3.8	<3.8	104	<190	<380	<380	<1,900	<38	<76
1,1,2-Trichloroethane	<5	<5.0	<5.0	<50	<250	<500	<500	<2,500	<50	<100
Trichloroethylene	<1.9	<1.9	<1.9	207	<95	<190	<190	<950	<19	<38
Trichlorofluoromethane	<10	<10	<10	<100	<500	<1,000	<1,000	<5,000	<100	<200
Vinyl chloride	<10	<10	<10	1,580	<500	<1,000	<1,000	<5,000	<100	<200
trans-1,3-Dichloropropylene	<10	<10	<10	<100	<500	<1,000	<1,000	<5,000	<100	<200
Sub Total 1	33	11	0	4,685	1,604	3,223	5,730	54,700	5,550	2,421
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	NA	3,120	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	<1,000	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	<1,000	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	<1,000	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	<1,000	NA	NA	NA
Methyl-iso-butyl ketone	NA	<10	NA	NA	NA	NA	<1,000	NA	172	NA
Methyl isoamyl ketone	NA	<10	NA	NA	NA	NA	NA	NA	<100	NA
m-Xylene	NA	<10	NA	NA	NA	NA	<1,000	NA	<100	NA
o-Xylene/p-Xylene	NA	<10	NA	NA	NA	NA	<1,000	NA	<100	NA
Sub Total 2	0	0	0	0	0	0	3,120	0	172	0
Total VOCs Analyzed	33	11	0	4,685	1,604	3,223	8,850	54,700	5,722	2,421

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

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	ETC	ETC	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<10,000	<10000	<5000	<1,000	<1,000	<1,000	<1,000	<2,000	<10000	<5000
Acrylonitrile	<10,000	<10000	<5000	<1,000	<1,000	<1,000	<1,000	<2,000	<10000	<5000
Benzene	5,650	2,690	1,570	194	424	1,390	1,720	1,980	1,680	3,340
Bis (chloromethyl) ether	<1,000	<1000	<500	<100	<100	<100	<100	<200	<1000	<500
Bromoform	<470	<470	<240	<47	<47	<47	<47	<94	<470	<240
Carbon tetrachloride	<280	<280	<140	<28	<28	<28	<28	<56	<280	<140
Chlorobenzene	9,000	7,660	5,090	909	2,180	4,910	3,180	3,810	3,660	4,340
Chlorodibromomethane	<310	<310	<160	<31	<31	<31	<31	<62	<310	<160
Chloroethane	<1,000	<1000	<500	<100	<100	<100	<100	<200	<1000	<500
2-Chloroethylvinyl ether	<1,000	<1000	<500	<100	<100	<100	<100	<200	<1000	<500
Chloroform	462	<160	<80	<16	<16	<16	<16	121	<160	<80
Dichlorobromomethane	<220	<220	<110	<22	<22	<22	<22	<44	<220	<110
Dichlorodifluoromethane	<1,000	<1000	<500	<100	<100	<100	<100	<200	<1000	<500
1,1-Dichloroethane	2,880	<470	<240	<47	<47	<47	<47	<94	<470	<240
1,2-Dichloroethane	<280	<280	<140	<28	<28	73.9	<28	303	<280	<140
1,1-Dichloroethylene	373	<280	<140	<28	<28	<28	<28	<56	<280	<140
1,2-Dichloropropane	<600	<600	<300	<60	<60	<60	<60	<120	<600	<300
cis-1,3-Dichloropropylene	<500	<500	<250	<50	<50	<50	<50	<100	<500	<250
Ethylbenzene	<720	<1000	<360	<72	<72	79.1	<72	<140	<1000	<360
Methyl bromide	<1,000	<1000	<500	<100	<100	<100	<100	<200	<1000	<500
Methyl chloride	<1,000	458	<500	<100	<100	<100	<100	<200	466	<500
Methylene chloride	10,200	<690	560	<28	<28	217	558	495	<690	1,080
1,1,2,2-Tetrachloroethane	<690	<410	<350	<69	<69	<69	<69	<140	<410	<350
Tetrachloroethylene	<410	721	<210	<41	<41	<41	<41	<82	<600	<210
Toluene	3,620	<160	368	<60	<60	590	538	603	<160	512
1,2-trans-Dichloroethylene	11,300	<380	<80	<16	<16	<16	<16	<32	<380	<80
1,1,1-Trichloroethane	2,720	<500	<190	<38	<38	<38	<38	<76	<500	<190
1,1,2-Trichloroethane	<500	<190	<250	<50	<50	<50	<50	<100	<190	<250
Trichloroethylene	4,610	<1000	<95	<19	<19	<19	24.3	<38	<1000	<95
Trichlorofluoromethane	<1,000	<1000	<500	<100	<100	<100	<100	<200	<1000	<500
Vinyl chloride	24,500	<1000	<500	<100	<100	<100	<100	<200	<1000	<500
trans-1,3-Dichloropropylene	<1,000	<720	<500	<100	<100	<100	<100	<200	<720	<500
Sub Total 1	75,315	11,529	7,588	1,103	2,604	7,260	6,020	7,312	5,806	9,272
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	<1000	NA	NA	NA	2,860	NA	NA	1,920	NA
Methyl isoamyl ketone	NA	<1000	NA	NA	NA	<100	NA	NA	<1000	NA
m-Xylene	NA	<1000	NA	NA	NA	173	NA	NA	<1000	NA
o-Xylene/p-Xylene	NA	<1000	NA	NA	NA	144	NA	NA	<1000	NA
Sub Total 2	0	0	0	0	0	3,177	0	0	1,920	0
Total VOCs Analyzed	75,315	11,529	7,588	1,103	2,604	10,437	6,020	7,312	7,726	9,272

Table 1. Summary of Volatile Organic Compounds in Potable Water [illegible] Plant [illegible]

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 Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<1,000	<100	<1,000	<50,000	<1,000	<100	<1,000	<1,000	<1,000	<5000
Acrylonitrile	<1,000	<100	<1,000	<50,000	<1,000	<100	<1,000	<1,000	<1,000	<5000
Benzene	1,080	120	337	7,330	45.8	89.7	365	684	1,040	3,410
Bis (chloromethyl) ether	<100	<10	<100	<5,000	<100	<10	<100	<100	<100	<500
Bromoform	<47	<4.7	<47	<2,400	<47	<4.7	<47	<47	<47	<240
Carbon tetrachloride	<28	<2.8	<28	<1,400	<28	<2.8	<28	<28	<28	<140
Chlorobenzene	5,210	483	1,660	37,400	225	305	881	1,050	1,500	5,530
Chlorodibromomethane	<31	<3.1	<31	<1,600	<31	<3.1	<31	<31	<31	<160
Chloroethane	<100	<10	<100	<5,000	<100	<10	<100	<100	<100	<500
2-Chloroethylvinyl ether	<100	<10	<100	<5,000	<100	<10	<100	<100	<100	<500
Chloroform	<16	<1.6	<16	<800	<16	<1.6	<16	<16	<16	<80
Dichlorobromomethane	<22	<2.2	<22	<1,100	<22	<2.2	<22	<22	<22	<110
Dichlorodifluoromethane	<100	<10	<100	<5,000	<100	<10	<100	<100	<100	<500
1,1-Dichloroethane	<47	<4.7	<47	<2,400	<47	<4.7	<47	<47	<47	<240
1,2-Dichloroethane	49.6	<2.8	<28	<1,400	<28	<2.8	<28	<28	<28	<140
1,1-Dichloroethylene	<28	<2.8	<28	<1,400	<28	<2.8	<28	<28	<28	<140
1,2-Dichloropropane	<60	<6.0	<60	<3,000	<60	<6	<60	<60	<60	<300
cis-1,3-Dichloropropylene	<50	<5.0	<50	<2,500	<50	<5	<50	<50	<50	<250
Ethylbenzene	137	<7.2	<72	<3,000	<72	<7.2	<72	<72	<72	<360
Methyl bromide	<100	<10	<100	<5,000	<100	<10	<100	<100	<100	<500
Methyl chloride	<100	<10	<100	<5,000	<100	<10	<100	<100	<100	<500
Methylene chloride	653	<2.8	2,260	<1,400	114	<2.8	<28	<28	136	398
1,1,2,2-Tetrachloroethane	<69	<6.9	<69	<3,500	<69	<6.9	<69	<69	<69	<350
Tetrachloroethylene	<41	<4.1	<41	<2,100	<41	<4.1	<41	<41	<41	<210
Toluene	103	<6.0	<60	<3,000	<60	<6	<60	<60	<60	928
1,2-trans-Dichloroethylene	25.4	<1.6	<16	<800	<16	<1.6	<16	<16	<16	<80
1,1,1-Trichloroethane	<38	<3.8	<38	<1,900	<38	<3.8	<38	<38	<38	<190
1,1,2-Trichloroethane	<50	<5.0	<50	<2,500	<50	<5	<50	<50	<50	<250
Trichloroethylene	<19	<1.9	<19	<950	<19	<1.9	<19	<19	<19	<95
Trichlorofluoromethane	<100	<10	<100	<5,000	<100	<10	<100	<100	<100	<500
Vinyl chloride	<100	<10	<100	<5,000	<100	<10	<100	<100	<100	<500
trans-1,3-Dichloropropylene	<100	<10	<100	<3,600	<100	<10	<100	<100	<100	<500
Sub Total 1	7,258	603	4,257	44,730	385	395	1,246	1,734	2,676	10,266
Miscellaneous Volatile Organic Compounds										
Acetone	NA	22.9	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	<10	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	<10	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	<10	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	<10	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-iso-butyl ketone	<100	<10	<100	<5,000	NA	NA	<100	NA	NA	NA
Methyl isoamyl ketone	<100	NA	<100	<5,000	NA	NA	<100	NA	NA	NA
o-Xylene	<100	<10	<100	<5,000	NA	NA	<100	NA	NA	NA
m-Xylene/p-Xylene	137	<10	<100	<5,000	NA	NA	<100	NA	NA	NA
Sub Total 2	137	22.9	0	0	0	0	0	0	0	0
Total VOCs Analyzed	7,395	626	4,257	44,730	385	395	1,246	1,734	2,676	10,266

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

Well Number:	P-14	P-14	P-14	P-14	P-14	P-14	Field Blank	Field Blank	Field Blank	Field Blank
Date:	12/86	5/87	11/87	5/88	11/88	11/89	12/86	3/87	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	<100,000	<100	<100,000	<50,000	<5000	<100	<100	<100	<100
Acrylonitrile	<100	<100,000	<100	<100,000	<50,000	<5000	<100	<100	<100	<100
Benzene	<4.4	<4,400	<4.4	<4,400	<2,200	<220	<4.4	<4.4	<4.4	<4.4
Bis (chloromethyl) ether	<10	<10,000	<10	<10,000	<5,000	<500	<10	<10	<10	<10
Bromoform	<4.7	<4,700	<4.7	<4,700	<2,400	<240	<4.7	<4.7	<4.7	<4.7
Carbon tetrachloride	<2.8	<2,800	<2.8	<2,800	<1,400	<140	<2.8	<2.8	<2.8	<2.8
Chlorobenzene	<6	158,000	<6.0	37,200	12,100	17,500	<6	<6.0	<6	<6.0
Chlorodibromomethane	<3.1	<3,100	<3.1	<3,100	<1,600	<160	<3.1	<3.1	<3.1	3.90
Chloroethane	<10	<10,000	<10	<10,000	<5,000	<500	<10	<10	<10	<10
2-Chloroethylvinyl ether	<10	<10,000	<10	<10,000	<5,000	<500	<10	<10	<10	<10
Chloroform	<1.6	<1,600	<1.6	<1,600	<800	<80	<1.6	<1.6	<1.6	39.7
Dichlorobromomethane	<2.2	<2,200	<2.2	<2,200	<1,100	<110	<2.2	<2.2	<2.2	16.5
Dichlorodifluoromethane	<10	<10,000	<10	<10,000	<5,000	<500	<10	<10	<10	<10
1,1-Dichloroethane	<4.7	<4,700	<4.7	<4,700	<2,400	<240	<4.7	<4.7	<4.7	<4.7
1,2-Dichloroethane	<2.8	<2,800	<2.8	<2,800	<1,400	<140	<2.8	<2.8	<2.8	<2.8
1,1-Dichloroethylene	<2.8	<2,800	<2.8	<2,800	<1,400	<140	<2.8	<2.8	<2.8	<2.8
1,2-Dichloropropane	<6	<6,000	<6.0	<6,000	<3,000	<300	<6	<6.0	<6	<6.0
cis-1,3-Dichloropropylene	<5	<5,000	<5.0	<5,000	<2,500	<250	<5	<5.0	<5	<5.0
Ethylbenzene	<7.2	<7,200	<7.2	<7,200	<5,000	<360	<7.2	<7.2	<7.2	<7.2
Methyl bromide	<10	<10,000	<10	<10,000	<5,000	<500	<10	<10	<10	<10
Methyl chloride	<10	<10,000	<10	<10,000	<5,000	<500	<10	<10	<10	<10
Methylene chloride	468	22,400	26.5	<2,800	<1,400	280	8.4	<2.8	<2.8	9.67
1,1,2,2-Tetrachloroethane	<6.9	<6,900	<6.9	<6,900	<3,500	<350	<6.9	<6.9	<6.9	<6.9
Tetrachloroethylene	<4.1	<4,100	<4.1	<4,100	<2,100	<210	<4.1	<4.1	<4.1	<4.1
Toluene	<6	<6,000	<6.0	<6,000	<3,000	<300	<6	<6.0	<6	<6.0
1,2-trans-Dichloroethylene	<1.6	<1,600	<1.6	<1,600	<800	<80	<1.6	<1.6	<1.6	<1.6
1,1,1-Trichloroethane	<3.8	<3,800	<3.8	<3,800	<1,900	<190	<3.8	<3.8	<3.8	<3.8
1,1,2-Trichloroethane	<5	<5,000	<5.0	<5,000	<2,500	<250	<5	<5.0	<5	<5.0
Trichloroethylene	<1.9	<1,900	<1.9	<1,900	<950	<95	<1.9	<1.9	<1.9	<1.9
Trichlorofluoromethane	<10	<10,000	<10	<10,000	<5,000	<500	<10	<10	<10	<10
Vinyl chloride	<10	<10,000	<10	<10,000	<5,000	<500	<10	<10	<10	<10
trans-1,3-Dichloropropylene	<10	<10,000	<10	<10,000	<3,600	<500	<10	<10	<10	<10
Sub Total 1	468	180,400	27	37,200	12,100	17,780	8	0	0	70
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	NA	NA	<10	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	<10	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	<10	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	<10	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	<10	NA	NA
Methyl-iso-butyl ketone	NA	NA	<10	NA	NA	NA	NA	<10	NA	NA
Methyl isoamyl ketone	NA	NA	<10	NA	NA	NA	NA	NA	NA	NA
m-Xylene	NA	NA	<10	NA	NA	NA	NA	<10	NA	NA
o-Xylene/p-Xylene	NA	NA	<10	NA	NA	NA	NA	<10	NA	NA
Sub Total 2	0	0	0	0	0	0	0	0	0	0
Total VOCs Analyzed	468	180,400	27	37,200	12,100	17,780	8	0	0	70

Summary of Volatile Organic Compounds in Ground Water Krummrich Plant, Kearny, Jersey

Well Number:	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
Date:	5/88	11/88	11/88	3/89	5/89	11/89	12/86	3/87	5/87	11/87
Laboratory:	ETC	ETC	SL	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Pollutant ic Compounds are in ug/L										
	<100	<100	<50	<100	<100	<100	<100	<100	<100	<100
	<100	<100	<50	<100	<100	<100	<100	<100	<100	<100
	<4.4	<4.4	<5	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4
yl) ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	<4.7	<4.7	<5	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7
oride	<2.8	<2.8	<5	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
	<6.0	<6.0	<5	<6.0	<6	<6.0	<6	<6.0	<6	<6.0
thane	<3.1	<3.1	<5	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1
	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
nyl ether	<10	<10	<5	<10	<10	<10	<10	<10	<10	<10
	<1.6	<1.6	<5	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
thane	<2.2	<2.2	<5	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
xmethane	<10	23.1	<10	<10	<10	<10	<10	<10	<10	<10
ene	<4.7	<4.7	<5	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7
ene	<2.8	<2.8	<5	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
lene	<2.8	<2.8	<5	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
ane	<6.0	<6.0	<5	<6.0	<6	<6.0	<6	<6.0	<6	<6.0
propylene	<5.0	<5.0	<5	<5.0	<5	<5.0	<5	<5.0	<5	<5.0
	<7.2	<7.2	<5	<10	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2
	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	<10	<10	<10	<2.8	<10	<10	<10	<10	<10	<10
de	10.2	29.2	<5	<6.9	4.20	<2.8	4.2	<2.8	<2.8	<2.8
oroethane	<6.9	<6.9	<5	<4.1	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9
ene	<4.1	<4.1	<5	<6.0	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1
	<6.0	<6.0	<5	<1.6	<6	<6.0	<6	<6.0	<6	<6.0
roethylene	<1.6	<1.6	<5	<3.8	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
hane	<3.8	<3.8	<5	<5.0	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8
hane	<5.0	<5.0	<5	<1.9	<5	<5.0	<5	<5.0	<5	<5.0
	<1.9	<1.9	<5	<10	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
thane	<10	<10	<5	<10	<10	<10	<10	<10	<10	<10
	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
opropylene	<10	<10	<5	<7.2	<10	<10	<10	<10	<10	<10
Sub Total 1	10	52	0	0	4	0	4	0	0	0
Compounds										
	NA	NA	NA	NA	NA	NA	NA	40.1	NA	NA
e	NA	NA	NA	NA	NA	NA	NA	<10	NA	NA
	NA	NA	NA	NA	NA	NA	NA	<10	NA	NA
	NA	NA	NA	NA	NA	NA	NA	<10	NA	NA
	NA	NA	NA	NA	NA	NA	NA	<10	NA	NA
etone	NA	NA	<500	NA	NA	NA	NA	<10	NA	NA
one	NA	NA	<100	NA	NA	NA	NA	NA	NA	NA
	NA	NA	<50	NA	NA	NA	NA	<10	NA	NA
	NA	NA	<50	NA	NA	NA	NA	<10	NA	NA
Sub Total 2	0	0	0	0	0	0	0	40.1	0	0
s Analyzed	10	52	0	0	4	0	4	40	0	0

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

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

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

Well Number:	GM-4A	GM-4A	GM-4A	GM-4A	GM-4A	GM-4A	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
Laboratory:	ETC	ETC	ETC	ETC	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	<3.6	NA	NA	17.4
2,4-Dichlorophenol	NA	NA	<2.8	<2.9	<3.1	<2.9	NA	NA	7.1
2,4-Dimethylphenol	NA	NA	<2.8	<2.9	<3.1	<2.9	NA	NA	<2.9
4,6-Dinitro-o-cresol	NA	NA	<24	<26	<28	26	NA	NA	<26
2,4-Dinitrophenol	NA	NA	<43	<45	<48	46	NA	NA	<45
2-Nitrophenol	NA	NA	<3.7	<3.8	<4.1	<3.9	NA	NA	<3.9
4-Nitrophenol	NA	NA	<2.4	<2.6	<2.8	<2.6	NA	NA	<2.6
p-Chloro-m-cresol	NA	NA	<3.1	<3.2	<3.4	<3.3	NA	NA	<3.2
Pentachlorophenol	NA	NA	<3.7	<3.8	<4.1	<3.9	NA	NA	<3.9
Phenol	NA	NA	<1.5	<1.6	<1.7	<1.6	NA	NA	<1.6
2,4,6-Trichlorophenol	NA	NA	<2.8	<2.9	<3.1	<2.9	NA	NA	<2.9
Sub Total 1	0	0	0	0	0	72	0	0	25
Miscellaneous Acid Extractable Organic Compounds									
4-Chlorophenol	<10	<10	<10	<11	<11	<11	<11	72.6	57.8
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic acid	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	0	0	0	0	0	0	0	73	58
Total Acid Compounds Analyzed	0	0	0	0	0	72	0	73	82

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

Well Number:	GM-4B	GM-4B	GM-4B	GM-4B	GM-4C	GM-4C	GM-4C	GM-4C	GM-4C
Date:	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
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L									
2-Chlorophenol	46.5	42.3	81.3	71.5	NA	NA	51.4	14.8	<34
2,4-Dichlorophenol	28.6	6.91	9.01	3.79	NA	NA	21	22.5	<28
2,4-Dimethylphenol	<2.7	<3.1	<2.8	<2.8	NA	NA	<2.8	<2.9	<28
4,6-Dinitro-o-cresol	<24	<28	<24	<24	NA	NA	<25	<26	<240
2,4-Dinitrophenol	<42	<48	<43	<43	NA	NA	<43	<45	<430
2-Nitrophenol	<3.6	<4.1	<3.7	<3.7	NA	NA	<3.7	<3.8	<37
4-Nitrophenol	<2.4	<2.8	<2.4	<2.4	NA	NA	<2.5	<2.6	<24
p-Chloro-m-cresol	<3.0	<3.4	<3.1	<3.1	NA	NA	<3.1	<3.2	<31
Pentachlorophenol	<3.6	<4.1	<3.7	<3.7	NA	NA	<3.7	<3.8	<37
Phenol	<1.5	<1.7	<1.5	<1.5	NA	NA	<1.5	2.3	<15
2,4,6-Trichlorophenol	<2.7	<3.1	<2.8	<2.8	NA	NA	<2.8	<2.9	<28
Sub Total 1	75	49	90	75	0	0	72	40	0
Miscellaneous Acid Extractable Organic Compounds									
4-Chlorophenol	20.1	19	<10	<10	27.4	35.9	113	<11	<100
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic acid	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	20	19	0	0	27	36	113	0	0
Total Acid Compounds Analyzed	95	68	90	75	27	36	185	40	0

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

Well Number:	GM-4C	GM-4C	GM-17A	GM-17A	GM-17A	GM-17A	GM-17A	GM-17A	GM-17B
Date:	5/89	11/89	12/86	5/87	11/87	5/88	11/88	11/89	12/86
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L									
2-Chlorophenol	27.6	<35	51.6	67.7	38.3	98.4	68.6	59.1	21.5
2,4-Dichlorophenol	<2.8	<29	<2.9	<2.9	<2.8	<3.0	<2.8	<2.8	<2.9
2,4-Dimethylphenol	<2.8	<29	<2.9	<2.9	<2.8	<3.0	<2.8	<2.8	<2.9
4,6-Dinitro-o-cresol	<25	<260	<25	<26	<25	<27	<25	<25	<26
2,4-Dinitrophenol	<44	<450	<44	<45	<44	<47	<44	<44	<46
2-Nitrophenol	<3.8	<39	<3.8	<3.9	<3.8	<4.0	<3.8	<3.8	<3.9
4-Nitrophenol	<2.8	<26	<2.5	<2.6	<2.5	<2.7	<2.5	<2.5	<2.6
p-Chloro-m-cresol	<3.2	<32	<3.2	<3.2	<3.1	<3.3	<3.1	<3.1	<3.3
Pentachlorophenol	<3.8	<39	<3.8	<3.9	<3.8	<4.0	<3.8	<3.8	<3.9
Phenol	1.6	<16	<1.6	73	62.8	110	106	183	372
2,4,6-Trichlorophenol	<2.8	<29	<2.9	<2.9	<2.8	<3.0	<2.8	<2.8	<2.9
Sub Total 1	29	0	52	141	101	208	175	242	394
Miscellaneous Acid Extractable Organic Compounds									
4-Chlorophenol	<11	<110	NA	NA	33	NA	NA	NA	NA
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic acid	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	0	0	0	0	33	0	0	0	0
Total Acid Compounds Analyzed	29	0	52	141	134	208	175	242	394

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

Well Number:	GM-17B	GM-17B	GM-17B	GM-17B	GM-17B	GM-17B	GM-17C	GM-17C	GM-17C
Date:	5/87	11/87	5/88	11/88	5/89	11/89	12/86	5/87	11/87
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L									
2-Chlorophenol	91.6	23.4	46.9	36.8	24.6	15.5	30.8	34	19.4
2,4-Dichlorophenol	<3.1	<2.8	<2.8	<3.2	<2.9	<2.8	10	4.7	3.44
2,4-Dimethylphenol	<3.1	<2.8	<2.8	<3.2	<2.9	<2.8	<3.3	<2.7	<2.8
4,6-Dinitro-o-cresol	<28	<25	<24	<29	<26	<25	<29	<24	<25
2,4-Dinitrophenol	<49	<43	<43	<50	<45	<44	<51	<42	<44
2-Nitrophenol	<4.2	<3.7	<3.7	<4.3	<3.9	<3.8	<4.3	<3.6	<3.8
4-Nitrophenol	<2.8	<2.5	<2.4	<2.9	<2.6	<2.5	<2.9	<2.4	<2.5
p-Chloro-m-cresol	<3.5	<3.1	<3.1	<3.6	<3.2	<3.2	<3.6	<3	<3.1
Pentachlorophenol	<4.2	<3.7	<3.7	<4.3	<3.9	<3.8	<4.3	<3.6	<3.8
Phenol	546	235	330	<1.8	<1.6	2.06	<1.8	<1.5	4.07
2,4,6-Trichlorophenol	<3.1	<2.8	<2.8	<3.2	<2.9	<2.8	<3.3	<2.7	<2.8
Sub Total 1	638	258	377	37	25	18	41	39	27
Miscellaneous Acid Extractable Organic Compounds									
4-Chlorophenol	NA	14.7	NA	NA	NA	NA	NA	NA	26.6
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic acid	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	0	15	0	0	0	0	0	0	27
Total Acid Compounds Analyzed	638	273	377	37	25	18	41	39	54

e 1. Summary of Acid Extractable Compounds in Ground water, Krummrich Plant, Sauget, Illinois

Well Number:	GM-17C	GM-17C	GM-17C	GM-17C	GM-27B	GM-27C	GM-27C	GM-27C	GM-27C
Date:	5/88	11/88	5/89	11/89	11/87	12/86	5/87	11/87	5/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
'iority Pollutant :ractable Compounds 'ations are in ug/L									
phenol	34.9	<34	26.1	6.23	<3.8	NA	NA	6.34	4.7
ilorophenol	12.1	<28	17.7	10.3	<3.1	NA	NA	<3.1	<3.1
ithylphenol	<2.8	<28	<2.8	<2.8	7.44	NA	NA	8.44	18.6
.tro-o-cresol	<25	<240	<25	<25	<27	NA	NA	<27	<27
.trophenol	<44	<430	<44	<44	<48	NA	NA	<48	<48
henol	<3.8	<37	<3.8	<3.8	<4.1	NA	NA	<4.1	<4.1
henol	<2.5	<24	<2.5	<2.5	<2.7	NA	NA	<2.7	<2.7
-m-cresol	<3.1	<31	<3.2	<3.1	<3.4	NA	NA	<3.4	<3.4
.orophenol	<3.8	<37	<3.8	<3.8	<4.1	NA	NA	<4.1	<4.1
	<1.6	<15	<1.6	<1.6	<1.7	NA	NA	<1.7	2.7
:ichlorophenol	<2.8	<28	<2.8	<2.8	<3.1	NA	NA	<3.1	<3.1
Sub Total 1	47	0	44	17	7	0	0	15	26
ineous :ractable Compounds									
phenol	NA	<100	NA	NA	<11	<11	<10	25	24.9
.phenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
.phenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
acid	NA	NA	NA	NA	NA	NA	NA	NA	NA
:ichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	0	0	0	0	0	0	0	25	25
cid Compounds Analyzed	47	0	44	17	7	0	0	40	51

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

Well Number:	GM-27C	GM-27C	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B	GM-28C
Date:	11/88	11/89	12/86	5/87	11/87	5/88	3/89	11/89	12/86
Laboratory:	ETC	ETC	ETC	ETC	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	5,610	1140	5510	NA
2,4-Dichlorophenol	<2.8	<3.1	NA	NA	18,600	34,700	5070	1930	NA
2,4-Dimethylphenol	59.9	18.3	NA	NA	1,220	2,040	311	531	NA
4,6-Dinitro-o-cresol	<24	<28	NA	NA	<1200	<300	<250	<260	NA
2,4-Dinitrophenol	<43	<48	NA	NA	<2100	<520	<430	<460	NA
2-Nitrophenol	<3.7	<4.1	NA	NA	<180	<44	<37	<40	NA
4-Nitrophenol	<2.4	<2.8	NA	NA	<120	<30	<25	<26	NA
p-Chloro-m-cresol	<3.1	<3.4	NA	NA	<150	<37	<31	<33	NA
Pentachlorophenol	<3.7	<4.1	NA	NA	<180	1,270	296	<40	NA
Phenol	113	<1.7	NA	NA	21,300	29,500	3390	7840	NA
2,4,6-Trichlorophenol	<2.8	<3.1	NA	NA	5,950	13,800	<28	501	NA
Sub Total 1	173	31	0	0	52,640	86,920	10,207	16,312	0
Miscellaneous Acid Extractable Organic Compounds									
4-Chlorophenol	387	<11	684	<56	8,070	11,900	6,580	<110	439
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic acid	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	387	0	684	0	8,070	11,900	6,580	0	439
Total Acid Compounds Analyzed	560	31	684	0	60,710	98,820	16,787	16,312	439

...s Extractable Compounds in Ground Water, Krummrich Plant, Sauget, Illinois

...er:	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-31A	GM-31A
...te:	5/87	11/87	5/88	11/88	3/89	3/89 *	11/89	12/86	12/86*
...ry:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
	NA	868	1,120	<3.8	<3400	<330	205	<3.5	<3.8
	NA	4,430	8,440	4,630	<2800	3,630	461	11.2	10.6
	NA	253	192	42.7	<2800	<270	39.0	<2.9	<3.1
	NA	<270	<34	<27	<24000	<2400	<28	<25	<27
	NA	<470	<59	<48	<43000	<4200	<49	26,200	20,600
	NA	<40	<5.1	<4.1	<3700	<360	<4.2	12	11.8
	NA	<27	<3.4	<2.7	<2400	<240	<2.8	<2.5	<2.7
	NA	<33	<4.2	<3.4	<3100	<300	<3.5	<3.2	<3.4
	NA	113	116	57	<3700	<360	<4.2	<3.8	<4.1
	NA	1,260	2,910	<1.7	<1500	263	119	6.6	5.1
	NA	1,660	1,570	<3.1	<2800	415	383	1,740	1,560
	0	8,584	14,348	4,730	0	4,308	1,207	27,970	22,188
	<64	2,250	2,610	691	<10000	<1000	<12	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	NA	NA
	0	2,250	2,610	691	0	0	0	0	0
...zed	0	10,834	16,958	5,421	0	4,308	1,207	27,970	22,188

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

Well Number:	GM-31A	GM-31A	GM-31A	GM-31A	GM-31A	GM-31A	GM-31A	GM-31A	GM-31A
Date:	5/87	5/87*	11/87	11/87*	5/88	5/88*	11/88	11/88 *	11/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	SL
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L									
2-Chlorophenol	<78	<37	<34	4.54	<33	<35	<180	<340	<100
2,4-Dichlorophenol	<64	<30	<28	24.6	<27	<28	<140	<280	<100
2,4-Dimethylphenol	<64	<30	<28	<2.8	<27	<28	<140	<280	<100
4,6-Dinitro-o-cresol	<560	<270	<250	<25	<240	<250	<1,300	<2,500	<500
2,4-Dinitrophenol	12,400	7,630	2,040	2,520	447	299	<2,200	<4,300	<500
2-Nitrophenol	<85	<40	<38	13.7	251	193	<190	<370	140
4-Nitrophenol	158	72.9	136	159	<24	<25	<130	<250	<500
p-Chloro-m-cresol	<71	<33	<31	<3.1	<30	<31	<160	<310	<100
Pentachlorophenol	<85	<40	<38	<3.8	<36	<38	<190	<370	<100
Phenol	<35	25.6	<16	9.87	50,400	119,000	339,000	586,000	340,000
2,4,6-Trichlorophenol	2,310	2,200	955	1,010	591	590	538	<280	<100
Sub Total 1	14,868	9,929	3,131	3,742	51,689	120,082	339,538	586,000	340,140
Miscellaneous Acid Extractable Organic Compounds									
4-Chlorophenol	NA	NA	<100	NA	NA	NA	NA	NA	NA
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic acid	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	0	0	0	0	0	0	0	0	0
Total Acid Compounds Analyzed	14,868	9,929	3,131	3,742	51,689	120,082	339,538	586,000	340,140

Table 2 Summary of Acid Extractable Compounds in Ground Water Krummrich Plant, Sayreville, New Jersey

Well Number:	GM-31A	GM-31A	GM-31A	GM-55C	GM-55C	GM-55C	GM-55C	GM-56C	GM-56C
Date:	11/88 *	11/89	11/89 *	11/87	5/88	11/88	11/89	11/87	5/88
Laboratory:	SL	ETC ~~GL~~	ETC ~~GL~~	ETC	ETC	ETC	ETC	ETC	ETC
PA Priority Pollutant d Extractable anic Compounds centrations are in ug/L									
hlorophenol	<100	<3.4	<3.4	10.9	31	<370	<400	2,020	4,680
-Dichlorophenol	<100	44.0	40.1	<2.8	196	<300	417	6,010	5,190
-Dimethylphenol	<100	<2.8	<2.8	<2.8	4.3	<300	<330	348	563
-Dinitro-o-cresol	<500	<24	<25	<25	<28	<2,700	<2900	<1200	<29
-Dinitrophenol	<500	282	244	<44	<49	<4,700	<5100	<2100	<51
itrophenol	140	59.2	45.7	<3.8	<4.2	<400	<430	<180	<4.4
itrophenol	<500	171	132	<2.5	<2.8	<270	<290	<120	<2.9
hloro-m-cresol	<100	<3.1	<3.1	<3.1	<3.5	<340	<360	<150	<3.7
ntachlorophenol	<100	20.5	23.5	<3.8	<4.2	<400	<430	<180	18
enol	270,000	1,020	934	<1.6	24.6	<170	<180	2,340	5,100
4,6-Trichlorophenol	<100			<2.8	22	<300	<330	2,020	1,830
Sub Total 1	270,140	1,597	1,419	11	278	0	417	12,738	17,381
scellaneous id Extractable ganic Compounds									
-Chlorophenol	NA	878	924	<10	254	<1,100	<1,200	9,200	14,100
-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
enzoic acid	NA	NA	NA	NA	NA	NA	NA	NA	NA
,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	0	878	924	0	254	0	0	9,200	14,100
Total Acid Compounds Analyzed	270,140	2,475	2,343	11	532	0	417	21,938	31,481

Table 2. 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	GM-57C	GM-57C
Date:	11/88	11/88	11/89	11/87	11/87*	5/88	5/88*	11/88	11/88
Laboratory:	ETC	SL	ETC ~~SL~~	ETC	ETC	ETC	ETC	ETC	SL
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	5,110	8,500
2,4-Dichlorophenol	3,010	3,100	1,410	4,530	4,560	5,990	9,470	6,310	7,800
2,4-Dimethylphenol	<160	<100	<3.1	196	<160	180	209	<300	<100
4,6-Dinitro-o-cresol	<1,500	<500	<27	<1300	<1400	<240	<25	<2,700	<500
2,4-Dinitrophenol	<2,600	<500	<48	<2300	<2400	<420	<43	<4,700	<500
2-Nitrophenol	<220	<100	<4.1	<200	<210	<36	<3.7	<400	<100
4-Nitrophenol	<150	<500	<2.7	<130	<140	<24	<2.5	<270	<500
p-Chloro-m-cresol	<180	<100	<3.4	<160	<170	<30	<3.1	<330	<100
Pentachlorophenol	<220	<100	<4.1	<200	<210	<36	24	<400	<100
Phenol	1,880	210	<1.7	28,700	33,000	14,400	28,000	13,700	13,000
2,4,6-Trichlorophenol	1,420	1,300	880	992	922	1,250	1,580	1,120	1,300
Sub Total 1	6,549	4,850	2,874	40,108	43,942	26,500	47,723	26,240	30,600
Miscellaneous Acid Extractable Organic Compounds									
4-Chlorophenol	<610	<100	<11	11,300	11,700	7,530	12,300	13,700	18,000
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic acid	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	0	0	0	11,300	11,700	7,530	12,300	13,700	18,000
Total Acid Compounds Analyzed	6,549	4,850	2,874	51,408	55,642	34,030	60,023	39,940	48,600

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

Well Number:	GM-57C	GM-57C	GM-57C	GM-58A	GM-58A	GM-58A	GM-58A	GM-59A	GM-59A
Date:	3/89	11/89	11/89*	11/87	5/88	11/88	11/89	11/87	5/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L									
2-Chlorophenol	1,280	4,390	5,330	<3.4	<3.8	<3.4	<3.4	<3.4	<3.3
2,4-Dichlorophenol	4,260	8,750	9,710	<2.8	<3.1	<2.8	<2.8	<2.8	<2.7
2,4-Dimethylphenol	<28	192	200	<2.8	<3.1	<2.8	<2.8	<2.8	<2.7
4,6-Dinitro-o-cresol	<250	<290	<250	<24	<27	<25	<25	<24	<24
2,4-Dinitrophenol	<444	<500	<440	<43	<48	<43	<44	<43	<42
2-Nitrophenol	<38	<43	<38	<3.7	<4.1	<3.7	<3.8	<3.7	<3.6
4-Nitrophenol	<25	<29	<25	<2.4	<2.7	<2.5	<2.5	<2.4	<2.4
p-Chloro-m-cresol	<32	<36	<32	<3.1	<3.4	<3.1	<3.1	<3.1	<3.0
Pentachlorophenol	<38	<43	<38	<3.7	<4.1	<3.7	<3.8	<3.7	<3.6
Phenol	3,100	7,650	10,300	4.08	<1.7	<1.5	<1.6	<1.5	<1.5
2,4,6-Trichlorophenol	523	1,490	1,260	5.29	3.6	<2.8	9.13	<2.8	<2.7
Sub Total 1	9,163	22,472	26,800	9	4	0	9	0	0
Miscellaneous Acid Extractable Organic Compounds									
4-Chlorophenol	4,310	5,360	3,630	<10	<11	NA	NA	<10	<10
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic acid	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	4,310	5,360	3,630	0	0	0	0	0	0
Total Acid Compounds Analyzed	13,473	27,832	30,430	9	4	0	9	0	0

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

Well Number:	GM-59A	GM-59A	B-25A	B-26A	B-28A	GM-106	GM-106	GM-106	GM-106
Date:	11/88	11/89	3/87	3/87	3/87	12/86	5/87	11/87	5/88
Laboratory:	ETC	ETC	ETC	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	58.7	174	261
2,4-Dichlorophenol	<3.0	<2.8	182,000	<2.7	<2.7	38.5	58.7	552	1,260
2,4-Dimethylphenol	<3.0	<2.8	1,620	<2.7	<2.7	<2.9	4.4	14.9	19.1
4,6-Dinitro-o-cresol	<27	<25	<13,000	<24	<24	<26	<24	<24	<25
2,4-Dinitrophenol	<47	<44	<24,000	<42	<42	<45	<42	<42	<43
2-Nitrophenol	<4.0	<3.8	<2,000	<3.6	<3.6	<3.8	<3.6	<3.6	<3.7
4-Nitrophenol	<2.7	<2.5	<1,300	<2.4	<2.4	<2.6	<2.4	<2.4	<2.5
p-Chloro-m-cresol	<3.3	<3.2	<1,700	<3	<3	<3.2	<3	<3.0	<3.1
Pentachlorophenol	<4.0	<3.8	<2,000	<3.6	<3.6	<3.8	<3.6	10.9	9.6
Phenol	<1.7	<1.6	403,000	5.4	<1.5	12.9	1.8	71.3	184
2,4,6-Trichlorophenol	<3.0	<2.8	25,900	<2.7	<2.7	52.1	82.2	667	1,070
Sub Total 1	0	0	728,520	16	11	130	206	1,490	2,804
Miscellaneous Acid Extractable Organic Compounds									
4-Chlorophenol	NA	NA	NA	NA	NA	NA	NA	183	NA
2-Methylphenol	NA	NA	<5,600	<10	<10	NA	NA	NA	NA
4-Methylphenol	NA	NA	47,000	<10	<10	NA	NA	NA	NA
Benzoic acid	NA	NA	50,800	<10	<10	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	<5,600	<10	<10	NA	NA	NA	NA
Sub Total 2	0	0	97,800	0	0	0	0	183	0
Total Acid Compounds Analyzed	0	0	826,320	16	11	130	206	1,673	2,804

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

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	<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	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, Krummrich Plant, Sauget, Illinois

Well Number:	P-7	P-7	P-7	P-7	P-7	P-7	P-8	P-8	P-8
Date:	3/87	11/87	5/88	11/88	3/89	11/89	12/86	5/87	11/87
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L									
2-Chlorophenol	1,660	331	1,590	982	580	2,550	NA	NA	1,330
2,4-Dichlorophenol	<30	748	7,960	5,490	1,910	7,090	NA	NA	413
2,4-Dimethylphenol	<30	<2.8	<3.1	<28	<28	<32	NA	NA	<54
4,6-Dinitro-o-cresol	<260	<24	<27	<250	<250	<280	NA	NA	<480
2,4-Dinitrophenol	<460	<43	<48	<430	<430	<490	NA	NA	<840
2-Nitrophenol	<40	<3.7	<4.1	<37	<37	<42	NA	NA	<72
4-Nitrophenol	130	18.2	79.5	<25	<25	<28	NA	NA	<48
p-Chloro-m-cresol	<33	<3.1	<3.4	<31	<31	<35	NA	NA	<60
Pentachlorophenol	<40	<3.7	<4.1	<37	<37	<42	NA	NA	<72
Phenol	11,400	3,090	19,000	7,410	6,750	21,500	NA	NA	10,400
2,4,6-Trichlorophenol	2170	336	2820	3,180	509	3,810	NA	NA	112
Sub Total 1	15,360	4,523	31,450	17,062	9,749	34,950	0	0	12,255
Miscellaneous Acid Extractable Organic Compounds									
4-Chlorophenol	NA	4,650	5,660	2,130	2,650	<120	<11	<11	3,820
2-Methylphenol	<110	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	<110	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic acid	1,720	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	<110	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	1,720	4,650	5,660	2,130	2,650	0	0	0	3,820
Total Acid Compounds Analyzed	17,080	9,173	37,110	19,192	12,399	34,950	0	0	16,075

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

Well Number:	P-8	P-8	P-8	P-8	P-10	P-11	P-11	P-12	P-13
Date:	5/88	11/88	3/89	11/89	11/87	3/87	11/87	11/87	11/87
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L									
2-Chlorophenol	5,290	8,100	6,450	10,700	22.4	<3.6	<3.4	45.7	3.80
2,4-Dichlorophenol	3,880	4,450	3,680	9,780	<2.7	<3.0	<2.8	<2.7	<2.7
2,4-Dimethylphenol	410	318	<1400	<1500	9.64	<3.0	<2.8	32.7	<2.7
4,6-Dinitro-o-cresol	<2,600	<2,400	<12000	<14000	<24	<26	<25	<24	<24
2,4-Dinitrophenol	<4,500	<4,300	<21000	<24000	<42	<46	<43	<42	<42
2-Nitrophenol	<380	<370	<1800	<2000	<3.6	<4.0	<3.7	<3.6	<3.6
4-Nitrophenol	<260	<240	<1200	<1400	<2.4	<2.6	<2.5	<2.4	<2.4
p-Chloro-m-cresol	<320	<310	<1500	<1700	<3.0	<3.3	<3.1	<3.0	<3.0
Pentachlorophenol	<380	<370	<1800	<2000	<3.6	<4.0	<3.7	<3.6	<3.6
Phenol	38,700	6,080	8,490	29,200	69.3	5.1	<1.5	2,680	<1.5
2,4,6-Trichlorophenol	446	370	<1400	<1500	<2.7	<3	<2.8	<2.7	<2.7
Sub Total 1	48,726	19,318	18,620	49,680	101	5	0	2,758	4
Miscellaneous Acid Extractable Organic Compounds									
4-Chlorophenol	13,400	9,600	<5100	19400	2,330	NA	<10	3,380	<10
2-Methylphenol	NA	NA	<5100	NA	NA	<11	NA	NA	NA
4-Methylphenol	NA	NA	<5100	NA	NA	<11	NA	NA	NA
Benzoic acid	NA	NA	<5100	NA	NA	<11	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	<11	NA	NA	NA
Sub Total 2	13,400	9,600	0	19,400	2,330	0	0	3,380	0
Total Acid Compounds Analyzed	62,126	28,918	18,620	69,080	2,431	5	0	6,138	4

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

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

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

Well Number:	GM-17B	GM-17B	GM-17B	GM-17B	GM-17B	GM-17B	GM-17B	GM-17C	GM-17C
Date:	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
USEPA Priority Pollutant Base/Neutral Extractable Organic Compounds concentrations are in ug/L									
Acenaphthene	<2.1	<2.2	<2.0	<1.9	<2.3	<2.0	<2.0	<1.9	<190
Acenapthylene	<3.8	<4.1	<3.6	<3.6	<4.2	<3.8	<3.7	<3.5	<350
Anthracene	<2.1	<2.2	<2.0	<1.9	<2.3	<2.0	<2.0	<1.9	<190
Benzidine	<48	<51	<45	<45	<52	<47	<46	<44	<4400
Benzo (a) anthracene	<8.5	<9.1	<8.0	<8.0	<9.3	<8.4	<8.2	<7.8	<790
Benzo (a) pyrene	<2.7	<2.9	<2.6	<2.6	<3.0	<2.7	<2.6	<2.5	<250
Benzo (b) fluoroanthene	<11	<12	<10	<4.9	<5.7	<5.2	<5.1	<10	<1000
Benzo (ghi) perylene	<4.5	<4.8	<4.2	<4.2	<4.9	<4.4	<4.3	<4.1	<410
Benzo (k) fluoranthene	<3.8	<4.1	<3.6	<2.6	<3.0	<2.7	<2.6	<3.5	<350
Bis (2-chloroethoxy) methane	<5.8	<6.2	<5.5	<5.4	<6.3	<5.7	<5.6	<5.3	<540
Bis (2-chloroethyl) ether	<6.2	<6.6	<5.9	<5.8	<6.8	<6.1	<6.0	<5.7	<580
Bis (2-chloroisopropyl) ether	<6.2	<6.6	<5.9	<5.8	<6.8	<6.1	<6.0	<5.7	<580
Bis (2-ethylhexyl) phthalate	<11	<12	<10	<10	**48.9**	<11	**51.5**	<10	<1000
4-Bromophenyl phenyl ether	<2.1	<2.2	<2.0	<1.9	<2.3	<2.0	<2.0	<1.9	<190
Butyl benzyl phthalate	<11	<12	<10	<10	<12	<11	<11	<10	<1000
2-Chloronaphthalene	<2.1	<2.2	<2.0	<1.9	<2.3	<2.0	<2.0	<1.9	<190
4-Chlorophenyl phenyl ether	<4.6	<4.9	<4.3	<4.3	<5.0	<4.5	<4.4	<4.2	<420
Chrysene	<2.7	<2.9	<2.6	<2.6	<3.0	<2.7	<2.6	<2.5	<250
Dibenzo (a,h) anthracene	<11	<12	<10	<10	<12	<11	<11	<10	<1000
1,2-Dichlorobenzene	**2.6**	<2.2	<2.0	<1.9	<2.3	**9.48**	**10.8**	**102**	<190
1,3-Dichlorobenzene	<2.1	<2.2	<2.0	<1.9	**54.9**	<2.0	<2.0	**56.7**	<190
1,4-Dichlorobenzene	**50.8**	**32.6**	**26.5**	**12.4**	**5.44**	**74.5**	**80.5**	**653**	**2,120**
3,3-Dichlorobenzidine	<18	<19	<17	<17	<20	<18	<17	<17	<1700
Diethyl phthalate	<11	<12	<10	<10	<12	<11	<11	<10	<1000
Dimethyl phthalate	<11	<12	<10	<10	<12	<11	<11	<10	<1000
Di-n-butyl phthalate	<11	**17.3**	<10	<10	<12	<11	<11	<10	<1000
2,4-Dinitrotoluene	<6.2	<6.6	<5.9	<5.8	<6.8	<6.1	<6.0	<5.7	<580
2,6-Dinitrotoluene	<2.1	<2.2	<2.0	<1.9	<2.3	<2.0	<2.0	<1.9	<190
Di-n-octyl phthalate	<11	<12	<10	<10	<12	<11	<11	<10	<1000
1,2-Diphenylhydrazine	<11	<12	<10	<10	<12	<11	<11	<10	<1000
Fluoranthene	<2.4	<2.6	<2.3	<2.2	<2.6	<2.4	<2.3	<2.2	<220
Fluorene	<2.1	<2.2	<2.0	<1.9	<2.3	<2.0	<2.0	<1.9	<190
Hexachlorobenzene	<2.1	<2.2	<2.0	<2.0	<2.3	<2.0	<2.0	<1.9	<190
Hexachlorobutadiene	<1	<1	<.93	<0.9	<1.1	<.97	<.95	<0.9	<91
Hexachlorocyclopentadiene	<11	<12	<10	<10	<12	<11	<11	<10	<1000
Hexachloroethane	<1.7	<1.9	<1.6	<1.6	<1.9	<1.7	<1.7	<1.6	<160
Indeno (1,2,3-c,d) pyrene	<5.1	<5.5	<4.8	<4.8	<5.6	<5.1	<4.9	<4.7	<470
Isophorone	<2.4	<2.6	<2.3	<2.2	<2.6	<2.4	<2.3	<2.2	<220
Naphthalene	<1.7	<1.9	<1.6	<1.6	<1.9	<1.7	<1.7	<1.6	<160
Nitrobenzene	<2.1	<2.2	<2.0	<1.9	<2.3	<2.0	<2.0	<1.9	<190
n-Nitrosodimethylamine	<11	<12	<10	<10	<12	<11	<11	<10	<1000
n-Nitrosodi-n-propylamine	<11	<12	<10	<10	<12	<11	<11	<10	<1000
n-Nitrosodiphenylamine	<2.1	<2.2	<2.0	<1.9	<2.3	<2.0	<2.0	<1.9	<190
Phenanthrene	<5.9	<6.3	<5.6	<5.5	<6.4	<5.8	<5.7	<5.4	<550
Pyrene	<2.1	<2.2	<2.0	<1.9	<2.3	<2.0	<2.0	<1.9	<190
1,2,4-Trichlorobenzene	<2.1	<2.2	<2.0	<1.9	<2.3	<2.0	<2.0	<1.9	<190
Sub Total 1	53	50	27	12	109	84	143	812	2,120

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

Well Number:	GM-17B	GM-17B	GM-17B	GM-17B	GM-17B	GM-17B	GM-17B	GM-17C	GM-17C
Date:	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
Miscellaneous Base/Neutral Extractable Organic Compounds concentrations are in ug/L									
1-Chloro-2-nitrobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Chloro-4-Nitrobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-and 3,4-Dinitrochlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrochlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrochlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrodiphenylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA
Triphenyl phosphate	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrobiphenyl	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrobiphenyl	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl alcohol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	0	0	0	0	0	0	0	0	0
Total Base/Neutral Compounds	53	50	27	12	109	84	143	812	2,120

Table 1 Summary of Base Neutral Compounds in Ground Water, Krumrich Plant, Saugus, Illinois

Well Number:	GM-17C	GM-17C	GM-17C	GM-17C	GM-17C	GM-27B	GM-27B	GM-27C	GM-27C
Date:	11/87	5/88	11/88	5/89	11/89	11/87	11/89	11/87	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	<40	<2.0	<19	<2.0	<2.0	<2.2	<210	<2.2	<2.2
Acenapthylene	<73	<3.6	<36	<3.7	<3.6	<4.0	<390	<4.0	<4.0
Anthracene	<40	<2.0	<19	<2.0	<2.0	<2.2	<210	<2.2	<2.2
Benzidine	<920	<46	<450	<46	<46	<50	<4900	<50	<51
Benzo (a) anthracene	<160	<8.1	<80	<8.2	<8.1	<8.9	<870	<8.9	<9.0
Benzo (a) pyrene	<52	<2.6	<26	<2.6	<2.6	<2.8	<280	6.33	<2.9
Benzo (b) fluoroanthene	<210	<5.0	<49	<5.1	<5.0	<11	<530	<11	<5.5
Benzo (ghi) perylene	<85	<4.3	<42	<4.3	<4.3	<4.7	<460	<4.7	<4.7
Benzo (k) fluoranthene	<73	<2.6	<26	<2.6	<2.6	<4.0	<280	9.51	<2.9
Bis (2-chloroethoxy) methane	<110	<5.5	<54	<5.6	<5.5	<6.0	<590	<6.0	<6.1
Bis (2-chloroethyl) ether	<120	<5.9	<58	<6.0	<5.9	<6.5	<630	<6.5	<6.6
Bis (2-chloroisopropyl) ether	<120	<5.9	<58	<6.0	<5.9	<6.5	<630	<6.5	<6.6
Bis (2-ethylhexyl) phthalate	<210	22.5	144	11	59.6	<11	<1100	<11	<11
4-Bromophenyl phenyl ether	<40	<2.0	<19	<2.0	<2.0	<2.2	<210	<2.2	<2.2
Butyl benzyl phthalate	<210	<10	<100	<11	<10	<11	<1100	<11	<11
2-Chloronaphthalene	<40	<2.0	<19	<2.0	<2.0	<2.2	<210	<2.2	<2.2
4-Chlorophenyl phenyl ether	<87	<4.4	<43	<4.4	<4.4	<4.8	<470	<4.8	<4.8
Chrysene	<52	<2.6	<26	<2.6	<2.6	3.77	<280	8.73	<2.9
Dibenzo (a,h) anthracene	<210	<10	<100	<11	<10	<11	<1100	<11	<11
1,2-Dichlorobenzene	83.4	69.4	94.2	61.0	40.1	<2.2	<210	400	22.6
1,3-Dichlorobenzene	44.1	39.8	42.1	36.9	31.3	<2.2	<210	<2.2	3.36
1,4-Dichlorobenzene	1,370	1,070	1,190	304	475	397	617	65.1	94.5
3,3-Dichlorobenzidine	<340	<17	<170	<17	<17	<19.3	<1800	<19.3	<19
Diethyl phthalate	<210	<10	<100	<11	<10	<11	<1100	<11	<11
Dimethyl phthalate	<210	<10	<100	<11	<10	<11	<1100	<11	<11
Di-n-butyl phthalate	<210	<10	<100	<11	<10	<11	<1100	<11	<11
2,4-Dinitrotoluene	<120	<5.9	<58	<6.0	<5.9	<6.5	<630	<6.5	<6.6
2,6-Dinitrotoluene	<40	<2.0	<19	<2.0	<2.0	<2.2	<210	<2.2	<2.2
Di-n-octyl phthalate	<210	<10	<100	<11	<10	<11	<1100	<11	<11
1,2-Diphenylhydrazine	<210	<10	<100	<11	<10	<11	<1100	<11	<11
Fluoranthene	<46	<2.3	<22	<2.3	<2.3	6.58	<240	15.7	<2.5
Fluorene	<40	<2.0	<19	<2.0	<2.0	<2.2	<210	<2.2	<2.2
Hexachlorobenzene	<40	<2.0	<19	<2.0	<2.0	<2.2	<210	<2.2	<2.2
Hexachlorobutadiene	<19	<0.9	9.2	<9.5	<.94	<1.0	<100	<1.0	<1.0
Hexachlorocyclopentadiene	<210	<10	<100	<11	<10	<11	<1100	<11	<11
Hexachloroethane	<33	<1.7	<16	<1.7	<1.7	<1.8	<180	<1.8	<1.8
Indeno (1,2,3-c,d) pyrene	<98	<4.9	<48	<4.9	<4.9	<5.3	<520	<5.3	<5.4
Isophorone	<46	<2.3	<22	<2.3	<2.3	<2.5	<240	<2.5	<2.5
Naphthalene	<33	<1.7	<16	<1.7	<1.7	23.9	<180	4.55	3.92
Nitrobenzene	<40	<2.0	<19	<2.0	<2.0	<2.2	<210	<2.2	<2.2
n-Nitrosodimethylamine	<210	<10	<100	<11	<10	<11	<1100	<11	[illegible]
n-Nitrosodi-n-propylamine	<210	<10	<100	<11	<10	<11	<1100	<11	<11
n-Nitrosodiphenylamine	<40	<2.0	<19	16.3	<2.0	2.84	<210	<2.2	<2.2
Phenanthrene	<110	<5.6	<55	<5.7	<5.6	<6.1	<600	<6.1	<6.2
Pyrene	<40	<2.0	<19	<2.0	<2.0	5.59	<210	13.9	<2.2
1,2,4-Trichlorobenzene	<40	<2.0	<19	<2.0	<2.0	<2.2	<210	<2.2	<2.2
Sub Total 1	1,498	1,202	1,480	429	606	440	617	524	124

Table 3. Summary of Base Neutral Compounds in Ground water, Krumrich Plant, Sauget, Illinois

Well Number:	GM-17C	GM-17C	GM-17C	GM-17C	GM-17C	GM-27B	GM-27B	GM-27C	GM-27C
Date:	11/87	5/88	11/88	5/89	11/89	11/87	11/89	11/87	11/89
Laboratory:	ETC	ETC	ETC	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	<1100	NA	79.8
1-Chloro-4-Nitrobenzene	NA	NA	NA	NA	NA	NA	<1100	NA	20.1
2,4-and 3,4-Dinitrochlorobenzene	NA	NA	NA	NA	NA	<11	<1100	<11	<11
2-Nitroaniline	NA	NA	NA	NA	NA	<11	<1100	<11	<11
4-Nitroaniline	NA	NA	NA	NA	NA	<11	<1100	<11	<11
2-Nitrochlorobenzene	NA	NA	NA	NA	NA	<11	NA	<11	NA
4-Nitrochlorobenzene	NA	NA	NA	NA	NA	<11	NA	<11	NA
4-Nitrodiphenylamine	NA	NA	NA	NA	NA	<11	<1100	<11	<11
Triphenyl phosphate	NA	NA	NA	NA	NA	<11	<1100	<11	<11
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrobiphenyl	NA	NA	NA	NA	NA	NA	<1100	NA	<11
4-Nitrobiphenyl	NA	NA	NA	NA	NA	NA	<1100	NA	<11
Benzyl alcohol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aniline	NA	NA	NA	NA	NA	NA	444,000	NA	869
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	0	0	0	0	0	0	444,000	0	969
Total Base/Neutral Compounds	1,498	1,202	1,480	429	606	440	444,617	524	1,093

Table 1 Summary of Base Neutral Compounds in Ground Water, Krumrich Plant, Saugus, Illinois

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
USEPA Priority Pollutant Base/Neutral Extractable Organic Compounds concentrations are in ug/L									
Acenaphthene	NA	NA	<190	<120	<20	<21	NA	NA	<1.9
Acenapthylene	NA	NA	<350	<220	<36	<38	NA	NA	<3.5
Anthracene	NA	NA	<190	<120	<20	<21	NA	NA	<1.9
Benzidine	NA	NA	<4400	<2,700	<450	<480	NA	NA	<44
Benzo (a) anthracene	NA	NA	<790	<480	<80	<86	NA	NA	<7.8
Benzo (a) pyrene	NA	NA	<250	<150	<26	<27	NA	NA	<2.5
Benzo (b) fluoroanthene	NA	NA	<1000	<300	<49	<53	NA	NA	<10
Benzo (ghi) perylene	NA	NA	<410	<250	<42	<45	NA	NA	<4.1
Benzo (k) fluoranthene	NA	NA	<350	<150	<26	<27	NA	NA	<3.5
Bis (2-chloroethoxy) methane	NA	NA	<540	<330	<55	<58	NA	NA	<5.3
Bis (2-chloroethyl) ether	NA	NA	<580	<350	<59	<63	NA	NA	<5.7
Bis (2-chloroisopropyl) ether	NA	NA	<580	<350	<59	<63	NA	NA	<5.7
Bis (2-ethylhexyl) phthalate	NA	NA	<1000	<620	<100	<110	NA	NA	<10
4-Bromophenyl phenyl ether	NA	NA	<190	<120	<20	<21	NA	NA	<1.9
Butyl benzyl phthalate	NA	NA	<1000	<620	<100	<110	NA	NA	<10
2-Chloronaphthalene	NA	NA	<190	<120	<20	<21	NA	NA	<1.9
4-Chlorophenyl phenyl ether	NA	NA	<420	<260	<43	<46	NA	NA	<4.2
Chrysene	NA	NA	<250	<150	<26	<27	NA	NA	<2.5
Dibenzo (a,h) anthracene	NA	NA	<1000	<620	<100	<110	NA	NA	<10
1,2-Dichlorobenzene	NA	NA	3,830	4,560	3,380	6,770	NA	NA	3,040
1,3-Dichlorobenzene	NA	NA	<190	<120	<20	<21	NA	NA	<1.9
1,4-Dichlorobenzene	NA	NA	<440	338	200	378	NA	NA	193
3,3-Dichlorobenzidine	NA	NA	<1700	<1,000	<170	<180	NA	NA	47.0
Diethyl phthalate	NA	NA	<1000	<620	<100	<110	NA	NA	<10
Dimethyl phthalate	NA	NA	<1000	<620	<100	<110	NA	NA	<10
Di-n-butyl phthalate	NA	NA	<1000	<620	<100	<110	NA	NA	<10
2,4-Dinitrotoluene	NA	NA	<580	<350	<59	<63	NA	NA	<5.7
2,6-Dinitrotoluene	NA	NA	<190	<120	<20	<21	NA	NA	<1.9
Di-n-octyl phthalate	NA	NA	<1000	<620	<100	<110	NA	NA	<10
1,2-Diphenylhydrazine	NA	NA	<1000	<620	<100	<110	NA	NA	<10
Fluoranthene	NA	NA	<220	<140	<23	<24	NA	NA	<2.2
Fluorene	NA	NA	<190	<120	<20	<21	NA	NA	<1.9
Hexachlorobenzene	NA	NA	<190	<120	<20	<21	NA	NA	<1.9
Hexachlorobutadiene	NA	NA	<91	<56	<9.3	<9.9	NA	NA	<.90
Hexachlorocyclopentadiene	NA	NA	<1000	<620	<100	<110	NA	NA	<10
Hexachloroethane	NA	NA	<160	<99	<16	<18	NA	NA	<1.6
Indeno (1,2,3-c,d) pyrene	NA	NA	<470	<290	<48	<52	NA	NA	<4.7
Isophorone	NA	NA	<220	<140	<23	<24	NA	NA	<2.2
Naphthalene	NA	NA	<160	<99	<16	<18	NA	NA	<1.6
Nitrobenzene	NA	NA	1,190	919	<20	<21	NA	NA	[illegible]
n-Nitrosodimethylamine	NA	NA	<1000	<620	<100	<110	NA	NA	[illegible]
n-Nitrosodi-n-propylamine	NA	NA	<1000	<620	<100	<110	NA	NA	<10
n-Nitrosodiphenylamine	NA	NA	<190	<120	<20	<21	NA	NA	<1.9
Phenanthrene	NA	NA	<550	<330	<56	<59	NA	NA	<5.4
Pyrene	NA	NA	<190	<120	<20	<21	NA	NA	<1.9
1,2,4-Trichlorobenzene	NA	NA	<190	<120	<20	<21	NA	NA	<1.9
Sub Total 1	0	0	5,020	5,817	3,580	7,148	0	0	3,280

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

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
Miscellaneous Base/Neutral Extractable Organic Compounds concentrations are in ug/L									
1-Chloro-2-nitrobenzene	NA	NA	NA	NA	8,660	222	NA	NA	NA
1-Chloro-4-Nitrobenzene	NA	NA	NA	NA	34,700	470	NA	NA	NA
2,4-and 3,4-Dinitrochlorobenzene	<11	<1100	<1000	<620	<100	<110	<11	<1300	<10
2-Nitroaniline	<11	<1100	<1000	<620	<100	<110	<11	<1300	<10
4-Nitroaniline	<11	<1100	<1000	<620	<100	<110	<11	<1300	<10
2-Nitrochlorobenzene	<11	<1100	13,100	17,900	NA	NA	<11	<1300	17,400
4-Nitrochlorobenzene	<11	<1100	28,800	43,800	NA	NA	<11	<1300	36,000
4-Nitrodiphenylamine	<11	<1100	<1000	<620	<100	<110	<11	<1300	56.3
Triphenyl phosphate	<11	<1100	<1000	<620	<100	<110	<11	<1300	<10
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrobiphenyl	NA	NA	NA	<620	NA	<110	NA	NA	NA
4-Nitrobiphenyl	NA	NA	NA	<620	NA	<110	NA	NA	NA
Benzyl alcohol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aniline	NA	NA	NA	NA	NA	6,780	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	0	0	41,900	61,700	43,360	7,472	0	0	53,456
Total Base/Neutral Compounds	0	0	46,920	67,517	46,940	14,620	0	0	56,736

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

Well Number:	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-31A	GM-31A	GM-31A	GM-31A
Date:	5/88	11/88	3/89	3/89 *	11/89	12/86	12/86*	5/87	5/87*
Laboratory:	ETC	ETC	ETC	ETC	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	<2.0	<2.2	<220	<210
Acenapthylene	<250	<4.0	<3600	<350	<4.1	<3.7	<4.0	<410	<390
Anthracene	<130	<2.2	<1900	<190	<2.2	<2.0	<2.2	<220	<210
Benzidine	<3,100	<50	<45000	<4400	<51	<47	<50	<5200	<4900
Benzo (a) anthracene	<550	<8.9	<8000	<780	<9.1	<8.3	<8.9	<920	<870
Benzo (a) pyrene	<180	<2.8	<2600	<250	<2.9	1	<2.9	<290	<280
Benzo (b) fluoroanthene	<340	<5.5	<4900	<480	<5.6	<11	<11	<1200	<1100
Benzo (ghi) perylene	<290	<4.7	<4200	<410	<4.8	<4.3	<4.7	<480	<460
Benzo (k) fluoranthene	<180	<2.8	<2600	<250	<2.9	<3.7	<4.0	<410	<390
Bis (2-chloroethoxy) methane	<370	<6.0	<5400	<530	<6.2	<5.6	<6.1	<620	<590
Bis (2-chloroethyl) ether	<400	<6.5	<5800	<570	<6.6	<6.0	<6.5	<670	<630
Bis (2-chloroisopropyl) ether	<400	<6.5	<5800	<570	<6.6	<6.0	<6.5	<670	<630
Bis (2-ethylhexyl) phthalate	<700	32.7	<10000	<1000	23.9	<11	<11	<1200	<1100
4-Bromophenyl phenyl ether	<130	<2.2	<1900	<190	<2.2	<2	<2.2	<220	<210
Butyl benzyl phthalate	<700	<11	<10000	<1000	<12	<11	<11	<1200	<1100
2-Chloronaphthalene	<130	<2.2	<1900	<190	<2.2	<2	<2.2	<220	<210
4-Chlorophenyl phenyl ether	<300	<4.8	<4300	<430	<4.9	<4.4	<4.8	<490	<470
Chrysene	<180	<2.8	<2600	<250	<2.9	<2.6	<2.9	<290	<280
Dibenzo (a,h) anthracene	<700	<11	<10000	<1000	<12	<11	<11	<1200	<1100
1,2-Dichlorobenzene	3,370	5,810	5,470	5,640	3,880	6.6	5.5	<220	<210
1,3-Dichlorobenzene	<130	11.1	<1900	<190	17.4	<2	<2.2	<220	<210
1,4-Dichlorobenzene	<310	199	<4500	<440	167	7.4	6	<520	<490
3,3-Dichlorobenzidine	<1,200	<19	<17000	<1700	<19	<17	<19	<1900	<1800
Diethyl phthalate	<700	<11	<10000	<1000	<12	<11	<11	<1200	<1100
Dimethyl phthalate	<700	<11	<10000	<1000	<12	<11	<11	<1200	<1100
Di-n-butyl phthalate	<700	<11	<10000	<1000	<12	<11	<11	<1200	<1100
2,4-Dinitrotoluene	<400	<6.5	<5800	<570	<6.6	<6.0	<6.5	<670	<630
2,6-Dinitrotoluene	<130	<2.2	<1900	<190	<2.2	<2.0	<2.2	<220	<210
Di-n-octyl phthalate	<700	<11	<10000	<1000	<12	<11	<11	<1200	<1100
1,2-Diphenylhydrazine	<700	<11	<10000	<1000	<12	<11	<11	<1200	<1100
Fluoranthene	<150	<2.5	<2200	<220	<2.6	<2.3	<2.5	<260	<240
Fluorene	<130	<2.2	<1900	<190	<2.2	<2.0	<2.2	<220	<210
Hexachlorobenzene	<130	<2.2	<1900	<190	<2.2	<2.0	<2.2	<220	<210
Hexachlorobutadiene	<63	<1.0	<920	<90	<1.0	<1.0	<1.0	<110	<100
Hexachlorocyclopentadiene	<700	<11	10000	<1000	<12	<11	<11	<1200	<1100
Hexachloroethane	<110	<1.8	<2600	<160	<1.9	<1.7	<1.8	<190	<180
Indeno (1,2,3-c,d) pyrene	<330	<5.3	<4800	<470	<5.5	<5	<5.4	<550	<520
Isophorone	<150	<2.5	<2200	<220	<2.6	<2.3	<2.5	<260	<240
Naphthalene	<110	<1.8	<1600	<160	2.91	<1.7	<1.8	<190	<180
Nitrobenzene	<130	9.81	<1900	210	<2.2	32.4	23.5	<220	<210
n-Nitrosodimethylamine	<700	<11	<10000	<1000	<12	<11	<11	<1200	<1100
n-Nitrosodi-n-propylamine	<700	<11	<10000	<1000	<12	<11	<11	<1200	<1100
n-Nitrosodiphenylamine	<130	<2.2	<1900	<190	<2.2	<2.0	<2.2	<220	<210
Phenanthrene	<380	<6.1	<5500	<540	<6.3	<5.7	<6.2	<640	<600
Pyrene	<130	<2.2	<1900	<190	<2.2	<2.0	<2.2	<220	<210
1,2,4-Trichlorobenzene	<130	138	<1900	<190	57.1	<2.0	<2.2	<220	<210
Sub Total 1	3,370	6,201	15,470	5,850	4,148	47	35	0	0

Table [illegible] Summary of Base Neutral Compounds in Ground Water, Krumrich Plant, Sauget, Illinois.

Well Number:	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-31A	GM-31A	GM-31A	GM-31A
Date:	5/88	11/88	3/89	3/89 *	11/89	12/86	12/86*	5/87	5/87*
Laboratory:	ETC	ETC	ETC	ETC	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	NA	NA	NA.	NA
1-Chloro-4-Nitrobenzene	NA	NA	27,600	55,800	591	NA	NA	NA	NA
2,4-and 3,4-Dinitrochlorobenzene	<700	<11	<10000	<1000	<12	48,400	43,500	9,780	16,300
2-Nitroaniline	<700	21.9	<10000	<1000	<12	<11	<11	<1,200	<1,100
4-Nitroaniline	<700	<11	<10000	<1000	<12	<11	<11	<1,200	<1,100
2-Nitrochlorobenzene	15,400	23,700	NA	NA	NA	1,820	1,900	2,600	2,890
4-Nitrochlorobenzene	30,600	45,300	NA	NA	NA	4,910	4,450	4,770	5,700
4-Nitrodiphenylamine	<700	107	<10000	<1000	<12	<11	<11	<1,200	<1,100
Triphenyl phosphate	<700	<11	<10000	<1000	<12	<11	<11	<1,200	<1,100
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrobiphenyl	<700	NA	NA	NA	<12	<11	<11	<1,200	<1,100
4-Nitrobiphenyl	<700	NA	NA	NA	<12	<11	<11	<1,200	<1,100
Benzyl alcohol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aniline	NA	NA	NA	NA	8,920	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	46,000	69,129	48,100	82,100	9,749	55,130	49,850	17,150	24,890
Total Base/Neutral Compounds	49,370	75,330	63,570	87,950	13,897	55,177	49,885	17,150	24,890

Table 3 Summary of Base/Neutral Compounds in Ground Water, Krumrich 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
EPA Priority Pollutant se/Neutral Extractable ganic Compounds ncentrations are in ug/L									
enaphthene	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	<1.9
enapthylene	<3.6	<3.6	<3.5	<3.7	<190	<360	<100	<100	<3.6
thracene	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	<1.9
nzidine	<46	<46	<44	<46	<2,300	<4,500	<800	<800	<45
nzo (a) anthracene	<8.1	<8.1	<7.8	<8.2	<410	<800	<100	<100	<8.0
nzo (a) pyrene	<2.6	<2.6	<2.5	<2.6	<130	<260	<100	<100	<2.6
nzo (b) fluoroanthene	<10	<10	<4.8	<5.0	<260	<490	<100	<100	<4.9
nzo (ghi) perylene	<4.3	<4.3	<4.1	<4.3	<220	<420	<100	<100	<4.2
nzo (k) fluoranthene	<3.6	<3.6	<2.5	<2.6	<130	<260	<100	<100	<2.6
is (2-chloroethoxy) methane	<5.5	<5.5	<5.3	<5.5	<280	<550	<100	<100	<5.4
is (2-chloroethyl) ether	<5.9	<5.9	<5.7	<6.0	<300	<590	<100	<100	<5.8
is (2-chloroisopropyl) ether	<5.9	<5.9	<5.7	<6.0	<300	<590	<100	<100	<5.8
is (2-ethylhexyl) phthalate	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
-Bromophenyl phenyl ether	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	<1.9
utyl benzyl phthalate	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
-Chloronaphthalene	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	<1.9
-Chlorophenyl phenyl ether	<4.4	<4.4	<4.2	<4.4	<220	<430	<100	<100	<4.3
hrysene	<2.6	<2.6	<2.5	<2.6	<130	<260	<100	<100	<2.6
ibenzo (a,h) anthracene	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
,2-Dichlorobenzene	22.2	19.8	24.3	23.3	243	<200	<100	<100	42.8
,3-Dichlorobenzene	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	<1.9
,4-Dichlorobenzene	11.9	11.7	12.2	11.8	<230	<450	<100	<100	15.7
,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, Ammonia 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
Miscellaneous Base/Neutral Extractable Organic Compounds concentrations are in ug/L									
1-Chloro-2-nitrobenzene	NA	NA	NA	NA	NA	NA	NA	NA	200
1-Chloro-4-Nitrobenzene	NA	NA	NA	NA	NA	NA	NA	NA	798
2,4-and 3,4-Dinitrochlorobenzene	19,800	22,900	1,170	1,250	2,700	2,690	1,500	2,700	157
2-Nitroaniline	21.3	20.8	15.9	16.3	<530	<1,000	<500	<500	13.8
4-Nitroaniline	<10	<10	<10	<10	<530	<1,000	<500	<500	<10
2-Nitrochlorobenzene	4,190	4,460	2,400	723	596	<1,000	590	530	NA
4-Nitrochlorobenzene	8,330	9,130	2,480	2,330	3,200	5,510	3,700	3,000	NA
4-Nitrodiphenylamine	<10	<10	<10	<10	<530	<1,000	<200	<200	<10
Triphenyl phosphate	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrobiphenyl	<10	<10	<10	<10	<530	<1,000	280	230	274
4-Nitrobiphenyl	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
Benzyl alcohol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	32,341	36,511	6,066	4,319	6,496	8,200	6,070	6,460	1,443
Total Base/Neutral Compounds	32,684	36,849	6,187	4,430	6,956	8,200	6,360	6,710	1,630

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

Well Number:	GM-31A	GM-55C	GM-55C	GM-55C	GM-55C	GM-56C	GM-56C	GM-56C	GM-56C
Date:	11/89 *	11/87	5/88	11/88	11/89	11/87	5/88	11/88	11/88
Laboratory:	CTC ~~SL~~	ETC	ETC	ETC	ETC	ETC	ETC	ETC	SL
USEPA Priority Pollutant Base/Neutral Extractable Organic Compounds concentrations are in ug/L									
Acenaphthene	<2.0	<2.0	<45	<210	<230	<190	<120	<120	<100
Acenapthylene	<3.6	<3.6	<82	<390	<420	<360	<210	<210	<100
Anthracene	<2.0	<2.0	<45	<210	<230	<190	<120	<120	<100
Benzidine	<45	<46	<1,000	<4,900	<5300	<4500	<2700	<2700	<800
Benzo (a) anthracene	<8.0	<8.1	<180	<880	<940	<800	<480	<480	<100
Benzo (a) pyrene	<2.6	<2.6	<59	<280	<300	<260	<150	<150	<100
Benzo (b) fluoroanthene	<4.9	<10	<110	<540	<580	<1000	<290	<290	<100
Benzo (ghi) perylene	<4.2	<4.3	<96	<460	<490	<420	<250	<250	<100
Benzo (k) fluoranthene	<2.6	<3.6	<59	<280	<300	<360	<150	<150	<100
Bis (2-chloroethoxy) methane	<5.5	<5.5	<120	<600	<640	<540	<320	<320	<100
Bis (2-chloroethyl) ether	<5.9	5.9	<130	<640	<690	<580	<350	<350	<100
Bis (2-chloroisopropyl) ether	<5.9	5.9	<130	<640	<690	<580	<350	<350	<100
Bis (2-ethylhexyl) phthalate	<10	<10	<240	<1,100	<1200	<1000	<610	<610	<100
4-Bromophenyl phenyl ether	<2.0	<2.0	<45	<210	<230	<190	<120	<120	<100
Butyl benzyl phthalate	<10	<10	<240	<1,100	<1200	<1000	<610	<610	<100
2-Chloronaphthalene	<2.0	<2.0	<45	<210	<230	<190	<120	<120	<100
4-Chlorophenyl phenyl ether	<4.3	<4.4	<99	<470	<510	<430	<260	<260	<100
Chrysene	<2.6	<2.6	<59	<280	<300	<260	<150	<150	<100
Dibenzo (a,h) anthracene	<10	<10	<240	<1,100	<1200	<1000	<610	<610	<100
1,2-Dichlorobenzene	37.6	6.00	693	4,030	4,760	1,570	880	1,260	1,000
1,3-Dichlorobenzene	<2.0	<2.0	<45	<210	<230	<190	<120	<120	<100
1,4-Dichlorobenzene	15.0	38.7	311	<490	<530	<450	<270	<270	120
3,3-Dichlorobenzidine	<17	<17	<390	<1,900	<2000	<1700	<1040	<1000	<200
Diethyl phthalate	<10	<10	<240	<1,100	<1200	<1000	<610	<610	<100
Dimethyl phthalate	<10	<10	<240	<1,100	<1200	<1000	<610	<610	<100
Di-n-butyl phthalate	<10	<10	<240	<1,100	<1200	<1000	<610	<610	<100
2,4-Dinitrotoluene	<5.9	<5.9	<130	<640	<690	<580	<350	<350	<100
2,6-Dinitrotoluene	<2.0	<2.0	<45	<210	<230	<190	<120	<120	<100
Di-n-octyl phthalate	<10	<10	<240	<1,100	<1200	<1000	<610	<610	<100
1,2-Diphenylhydrazine	<10	<10	<240	<1,100	<1200	<1000	<610	<610	<100
Fluoranthene	<2.3	4.21	<52	<250	<270	<220	<130	<130	<100
Fluorene	<2.0	<2.0	<45	<210	<230	<190	<120	<120	<100
Hexachlorobenzene	<2.0	<2.0	<45	<210	<230	<190	<120	<120	<100
Hexachlorobutadiene	<.93	<.94	<21	<100	<110	<92	<55	<55	<100
Hexachlorocyclopentadiene	<10	<10	<240	<1,100	<1200	<1000	<610	<610	<100
Hexachloroethane	<1.6	<1.7	<38	<180	<190	<160	<98	<98	<100
Indeno (1,2,3-c,d) pyrene	<4.8	<4.9	<110	<530	<570	<480	<290	<290	<100
Isophorone	<2.3	<2.3	<52	<250	<270	<220	<130	<130	<100
Naphthalene	<1.6	<1.7	<38	<180	<190	<160	<98	<98	<100
Nitrobenzene	114	<2.0	<45	<210	<230	<190	<120	223	220
n-Nitrosodimethylamine	<10	<10	<240	<1,100	<1200	<1000	<610	<610	[illegible]
n-Nitrosodi-n-propylamine	<10	<10	<240	<1,100	<1200	<1000	<610	<610	<100
n-Nitrosodiphenylamine	<2.0	<2.0	<45	<210	<230	<190	<120	<120	<100
Phenanthrene	<5.6	<5.6	<130	<610	<650	<550	<330	<330	<100
Pyrene	<2.0	3.14	<45	<210	<230	<190	<120	<120	<100
1,2,4-Trichlorobenzene	<2.0	<2.0	<45	<210	<230	<190	<120	<120	<100
Sub Total 1	167	64	1,004	4,030	4,760	1,570	880	1,483	1,340

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

Well Number:	GM-31A	GM-55C	GM-55C	GM-55C	GM-55C	GM-56C	GM-56C	GM-56C	GM-56C
Date:	11/89 *	11/87	5/88	11/88	11/89	11/87	5/88	11/88	11/88
Laboratory:	GRC-SL	ETC	ETC	ETC	ETC	ETC	ETC	ETC	SL
Miscellaneous Base/Neutral Extractable Organic Compounds concentrations are in ug/L									
1-Chloro-2-nitrobenzene	175	NA	NA	NA	38,800	NA	NA	NA	NA
1-Chloro-4-Nitrobenzene	754	NA	NA	NA	66,700	NA	NA	NA	NA
2,4-and 3,4-Dinitrochlorobenzene	278	<10	<240	<1,100	<1200	<1000	<610	<610	<100
2-Nitroaniline	13.1	<10	<240	<1,100	<1200	<1000	<610	<610	<500
4-Nitroaniline	<10	<10	<240	<1,100	<1200	<1000	<610	<610	<500
2-Nitrochlorobenzene	NA	<10	2,980	41,700	NA	84,900	26,300	70,700	130,000
4-Nitrochlorobenzene	NA	14.6	1,140	74,600	NA	24,800	7,360	17,500	30,000
4-Nitrodiphenylamine	<10	<10	<240	<1,100	<1200	<1000	<610	<610	<200
Triphenyl phosphate	<10	<10	<240	<1,100	<1200	<1000	<610	<610	<100
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrobiphenyl	291	NA	<240	NA	<1200	NA	<610	NA	NA
4-Nitrobiphenyl	<10	NA	<240	NA	<1200	NA	<610	NA	NA
Benzyl alcohol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aniline	NA	NA	NA	NA	1,220	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	1,511	15	4,120	116,300	106,720	109,700	33,660	88,200	160,000
Total Base/Neutral Compounds	1,678	78	5,124	120,330		111,270	34,540	89,683	161,340

Table [illegible] Summary of Base Neutral Compounds in Ground Water, Krumrich Plant, Sauget, Illinois

Well Number:	P-10	P-11	P-11	P-12	P-13	P-13	P-14	P-14	Field Blank
Date:	11/87	3/87	11/87	11/87	11/87	11/89	11/87	11/89	3/87
Laboratory:	ETC	ETC	ETC	ETC	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	<200	<1.9	<2.0	<2.0
Acenapthylene	<350	<3.8	<3.6	<3.5	<3.5	<370	<3.5	<3.6	<3.7
Anthracene	<190	<2.1	<2.0	<1.9	<1.9	<200	<1.9	<2.0	<2.0
Benzidine	<4400	<48	<45	<44	<44	<4600	<44	<45	<47
Benzo (a) anthracene	<790	<8.6	<8.0	<7.8	<7.8	<820	<7.8	<8.0	<8.3
Benzo (a) pyrene	<250	<2.7	<2.6	<2.5	<2.5	<260	<2.5	<2.6	<2.7
Benzo (b) fluoroanthene	<1000	<11	<10	<10	<10	<510	<10	<4.9	<11
Benzo (ghi) perylene	<410	<4.5	<4.2	<4.1	<4.1	<430	<4.1	<4.2	<4.4
Benzo (k) fluoranthene	<350	<3.8	<3.6	<3.5	<3.5	<260	<3.5	<2.6	<3.7
Bis (2-chloroethoxy) methane	<540	<5.8	<5.5	<5.3	<5.3	<560	<5.3	<5.5	<5.6
Bis (2-chloroethyl) ether	<580	<6.3	<5.9	<5.7	<5.7	<600	<5.7	<5.9	<6.1
Bis (2-chloroisopropyl) ether	<580	<6.3	<5.9	<5.7	<5.7	<600	<5.7	<5.9	<6.1
Bis (2-ethylhexyl) phthalate	<1000	<11	<10	<10	<10	<1100	<10	<10	<11
4-Bromophenyl phenyl ether	<190	<2.1	<2.0	<1.9	<1.9	<200	<1.9	<2.0	<2.0
Butyl benzyl phthalate	<1000	<11	<10	<10	<10	<1100	<10	<10	<11
2-Chloronaphthalene	<190	<2.1	<2.0	<1.9	<1.9	<200	<1.9	<2.0	<2.0
4-Chlorophenyl phenyl ether	<420	<4.6	<4.3	<4.2	<4.2	<440	<4.2	<4.3	<4.5
Chrysene	<250	<2.7	<2.6	<2.5	<2.5	<260	<2.5	<2.6	<2.7
Dibenzo (a,h) anthracene	<1000	<11	<10	<10	<10	<1100	<10	<10	<11
1,2-Dichlorobenzene	<190	**5.4**	**6.00**	**1,790**	<1.9	<200	**22.0**	**20.7**	<2.0
1,3-Dichlorobenzene	<190	<2.1	<2.0	<1.9	<1.9	<200	<1.9	<2.0	<2.0
1,4-Dichlorobenzene	**449**	**82.3**	**111**	**252**	**22.5**	<460	**35.7**	**35.5**	<4.7
3,3-Dichlorobenzidine	<1700	<18.7	<17	<17	<17	<1700	<17	<17	<18
Diethyl phthalate	<1000	<11	<10	<10	<10	<1100	<10	<10	<11
Dimethyl phthalate	<1000	<11	<10	<10	<10	<1100	<10	<10	<11
Di-n-butyl phthalate	<1000	<11	<10	<10	<10	<1100	<10	<10	<11
2,4-Dinitrotoluene	<580	<6.3	<5.9	<5.7	<5.7	<600	<5.7	<5.9	<6.1
2,6-Dinitrotoluene	<190	<2.1	<2.0	<1.9	<1.9	<200	<1.9	<2.0	<2.0
Di-n-octyl phthalate	<1000	<11	<10	<10	<10	<1100	<10	<10	<11
1,2-Diphenylhydrazine	<1000	<11	<10	<10	<10	<1100	<10	<10	<11
Fluoranthene	<220	<2.4	<2.3	<2.2	<2.2	<230	<2.2	<2.3	<2.3
Fluorene	<190	<2.1	<2.0	<1.9	<1.9	<200	<1.9	<2.0	<2.0
Hexachlorobenzene	<190	<2.1	<2.0	<1.9	<1.9	<200	<1.9	<2.0	<2.0
Hexachlorobutadiene	<91	<.99	<.93	<0.90	<0.90	<95	<0.90	<.93	<.96
Hexachlorocyclopentadiene	<1000	<11	<10	<10	<10	<1100	<10	<10	<11
Hexachloroethane	<160	<1.8	<1.6	<1.6	<1.6	<170	<1.6	<1.6	<1.7
Indeno (1,2,3-c,d) pyrene	<470	<5.2	<4.8	<4.7	<4.7	<490	<4.7	<4.8	<5.0
Isophorone	<220	<2.4	<2.3	<2.2	<2.2	<230	<2.2	<2.3	<2.3
Naphthalene	<160	<1.8	<1.6	<1.6	<1.6	<170	<1.6	<1.6	<1.7
Nitrobenzene	<190	<2.1	<2.0	<1.9	<1.9	<200	<1.9	<2.0	<2.0
n-Nitrosodimethylamine	<1000	<11	<10	<10	<10	<1100	<10	<10	<11
n-Nitrosodi-n-propylamine	<1000	<11	<10	<10	<10	<1100	<10	<10	<11
n-Nitrosodiphenylamine	<190	<2.1	<2.0	<1.9	**9.00**	<200	<1.9	<2.0	<2.0
Phenanthrene	<550	<5.9	<5.6	<5.4	<5.4	<570	<5.4	<5.6	<5.7
Pyrene	<190	<2.1	<2.0	<1.9	<1.9	<200	<1.9	<2.0	<2.0
1,2,4-Trichlorobenzene	<190	<2.1	<2.0	<1.9	<1.9	<200	<1.9	<2.0	<2.0
Sub Total 1	449	88	117	2,042	32	0	58	56	0

Table 1 Summary of Base Neutral Compounds in Ground Water, Krumrich Plant, Sauget, Illinois

Well Number:	P-10	P-11	P-11	P-12	P-13	P-13	P-14	P-14	Field Blank
Date:	11/87	3/87	11/87	11/87	11/87	11/89	11/87	11/89	3/87
Laboratory:	ETC	ETC	ETC	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	<1100	NA	<10	NA
1-Chloro-4-Nitrobenzene	NA	NA	NA	NA	NA	<1100	NA	<10	NA
2,4-and 3,4-Dinitrochlorobenzene	<1000	NA	<10	<10	<10	<1100	<10	<10	NA
2-Nitroaniline	<1000	<11	<10	<10	<10	<1100	<10	<10	<11
4-Nitroaniline	<1000	<11	<10	<10	<10	<1100	<10	<10	<11
2-Nitrochlorobenzene	<1000	NA	<10	<10	<10	NA	<10	NA	NA
4-Nitrochlorobenzene	<1000	NA	<10	<10	<10	NA	<10	NA	NA
4-Nitrodiphenylamine	<1000	NA	<10	<10	<10	<1100	<10	<10	NA
Triphenyl phosphate	<1000	NA	<10	<10	<10	<1100	<10	<10	NA
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrobiphenyl	NA	NA	NA	NA	NA	<1100	NA	<10	NA
4-Nitrobiphenyl	NA	<11	NA	NA	NA	<1100	NA	<10	<11
Benzyl alcohol	NA	<11	NA	NA	NA	NA	NA	NA	<11
Aniline	NA	<11	NA	NA	NA	685000	NA	11.2	<11
4-Chloroaniline	NA	4,020	NA	NA	NA	NA	NA	NA	<11
2-Methylnaphtalene	NA	<11	NA	NA	NA	NA	NA	NA	<11
N-nitroaniline	NA	<11	NA	NA	NA	NA	NA	NA	<11
Dibenzofuran	NA	<11	NA	NA	NA	NA	NA	NA	<11
Sub Total 2	0	4,020	0	0	0	685,000	0	11	0
Total Base/Neutral Compounds	449	4,108	117	2,042	32	685,000	58	67	0

Table 3 Summary of Base Neutral Compounds in Ground Water, Krumrich Plant, Sandget Technical

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, Krumrich Plant, Sauget, Illinois

Well Number:	Trip Blank
Date:	3/87
Laboratory:	ETC
ellaneous Base/Neutral	
actable Organic Compounds	
entrations are in ug/L	
loro-2-nitrobenzene	NA
loro-4-Nitrobenzene	NA
and 3,4-Dinitrochlorobenzene	NA
troaniline	<11
troaniline	<11
trochlorobenzene	NA
trochlorobenzene	NA
trodiphenylamine	NA
henyl phosphate	NA
7,8-Tetrachloro-dibenzo-p-dioxin	NA
trobiphenyl	NA
trobiphenyl	<11
yl alcohol	<11
ine	<11
loroaniline	<11
thylnaphtalene	<11
troaniline	<11
nzofuran	<11
Sub Total 2	0
Total Base/Neutral Compounds	0

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Table 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
USEPA Priority Pollutant Pesticide/PCB Compounds Concentrations are in ug/L									
Aldrin	<2.2	<2.2	<190	<20	<1.9	<1900	<190	<2.0	<2.0
Alpha-BHC	<11	<11	<1000	<100	<10	<10000	<1000	<10	<10
Beta-BHC	<5.0	<5.0	<440	<43	<4.4	<4300	<420	<4.6	<4.6
Gamma-BHC	<11	<11	<100	<100	<10	<10000	<1000	<10	<10
Delta-BHC	<3.5	<3.5	<310	<32	<3.1	<3200	<310	<3.2	<3.2
Chlordane	<11	<11	<1000	<100	<10	<10000	<1000	<10	<10
4,4'-DDT	<3.2	<3.2	<280	<29	<2.8	<2900	<280	<2.9	<2.9
4,4'-DDE	<6.4	<6.4	<570	<58	<5.6	<5700	<560	<5.8	<5.8
4,4'-DDD	<5.3	<5.3	<470	<48	<4.7	<4800	<470	<4.9	<4.9
Dieldrin	<2.8	<2.8	<250	<26	<2.5	<2600	<250	<2.6	<2.6
Endosulfan I	<11	<11	<1000	<100	<10	<10000	<1000	<10	<10
Endosulfan II	<11	<11	<1000	<100	<10	<10000	<1000	<10	<10
Endosulfan sulfate	<6.4	<6.4	<570	<58	<5.6	<5700	<560	<5.8	<5.8
Endrin	<11	<11	<1000	<100	<10	<10000	<1000	<10	<10
Endrin aldehyde	<11	<11	<1000	<100	<10	<10000	<1000	<10	<10
Heptachlor	<2.2	<2.2	<190	<20	<1.9	<1900	<190	<2.0	<2.0
Heptachlor epoxide	<2.5	<2.5	<220	<23	<2.2	<2200	<220	<2.3	<2.3
PCB-1016	<41	<41	<3600	<370	<36	<37000	<3600	<38	<38
PCB-1221	<41	<41	<3600	<370	<36	<37000	<3600	<38	<38
PCB-1232	<41	<41	<3600	<370	<36	<37000	<3600	<38	<38
PCB-1242	<41	<41	<3600	<370	<36	<37000	<3600	<38	<38
PCB-1248	<41	<41	<3600	<370	<36	<37000	<3600	<38	<38
PCB-1254	<41	<41	<3600	<370	<36	<37000	<3600	<38	<38
PCB-1260	<41	<41	<3600	<370	<36	<37000	<3600	<38	<38
Toxaphene	<11	<11	<1000	<100	<10	<10000	<1000	<10	<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, Sauget, Illinois.

Well Designation:	GM-55C	GM-55C	GM-56C	GM-56C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C
Date:	11/87	5/88	11/87	5/88	11/87	11/87*	5/88	5/88*	3/89
Laboratory:	ETC	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	<20
Alpha-BHC	<10	<240	<1000	<610	<1100	<1100	<510	<520	<110
Beta-BHC	<4.6	<99	<450	<260	<480	<510	<210	<220	<44
Gamma-BHC	<10	<240	<1000	<610	<1100	<1100	<510	<520	<110
Delta-BHC	<3.2	<73	<320	<190	<340	<360	<160	<160	<33
Chlordane	<10	<240	<1000	<610	<1100	<1100	<510	<520	<110
4,4'-DDT	<2.9	<66	<290	<170	<310	<320	<140	<140	<29
4,4'-DDE	<5.8	<130	<570	<340	<620	<640	<280	<290	<59
4,4'-DDD	<4.9	<110	<480	<290	<520	<540	<240	<240	<49
Dieldrin	<2.6	<59	<260	<150	<270	<290	<130	<130	<26
Endosulfan I	<10	<240	<1000	<610	<1100	<1100	<510	<520	<110
Endosulfan II	<10	<240	<1000	<610	<1100	<1100	<510	<520	<110
Endosulfan sulfate	<5.8	<130	<570	<340	<620	<640	<280	<290	<59
Endrin	<10	<240	<1000	<610	<1100	<1100	<510	<520	<110
Endrin aldehyde	<10	<240	<1000	<610	<1100	<1100	<510	<520	<110
Heptachlor	<2.0	<45	<190	<120	<210	<220	<96	<98	<20
Heptachlor epoxide	<2.3	<52	<220	<130	<240	<250	<110	<110	<23
PCB-1016	<38	<850	<3700	<2200	<4000	<4100	<1800	<1900	<380
PCB-1221	<38	<850	<3700	<2200	<4000	<4100	<1800	<1900	<380
PCB-1232	<38	<850	<3700	<2200	<4000	<4100	<1800	<1900	<380
PCB-1242	<38	<850	<3700	<2200	<4000	<4100	<1800	<1900	<380
PCB-1248	<38	<850	<3700	<2200	<4000	<4100	<1800	<1900	<380
PCB-1254	<38	<850	<3700	<2200	<4000	<4100	<1800	<1900	<380
PCB-1260	<38	<850	<3700	<2200	<4000	<4100	<1800	<1900	<380
Toxaphene	<10	<240	<1000	<610	<1100	<1100	<510	<520	<110
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, 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, Sauget, Illinois.

Well Designation:	P-2	P-3	P-6	P-7	P-7	P-7	P-8	P-8	P-10
Date:	11/87	11/87	11/87	3/87	11/87	3/89	11/87	3/89	11/87
Laboratory:	ETC	ETC	ETC	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	<190	<970	<190
Alpha-BHC	<10	<10	<10	<11	<10	<100	<1000	<5100	<1000
Beta-BHC	<4.5	<4.4	<4.4	<4.8	<4.5	<43	<440	<2100	<440
Gamma-BHC	<10	<10	<10	<11	<10	<100	<1000	<5100	<1000
Delta-BHC	<3.2	<3.1	<3.1	<3.4	<3.2	<32	<310	<1600	<310
Chlordane	<10	<10	<10	<11	<10	<100	<1000	<5100	<1000
4,4'-DDT	<2.9	<2.8	<2.8	<3.1	<2.9	<29	<280	<1400	<280
4,4'-DDE	<5.8	<5.6	<5.6	<6.2	<5.7	<58	<560	<2900	<560
4,4'-DDD	<4.8	<4.7	<4.7	<5.2	<4.8	<48	<470	<2400	<470
Dieldrin	<2.6	<2.5	<2.5	<2.7	<2.6	<26	<250	<1300	<250
Endosulfan I	<10	<10	<10	<11	<10	<100	<1000	<5100	<1000
Endosulfan II	<10	<10	<10	<11	<10	<100	<1000	<5100	<1000
Endosulfan sulfate	<5.8	<5.6	<5.6	<6.2	<5.7	<58	<560	<2900	<570
Endrin	<10	<10	<10	<11	<10	<100	<1000	<5100	<1000
Endrin aldehyde	<10	<10	<10	<11	<10	<100	<1000	<5100	<1000
Heptachlor	<2.0	<1.9	<1.9	<2.1	<1.9	<20	<190	<970	<190
Heptachlor epoxide	<2.3	<2.2	<2.2	<2.4	<2.2	<23	<220	<1100	<220
PCB-1016	<37	<36	<36	<40	<37	<370	<3600	<18000	<3600
PCB-1221	<37	<36	<36	<40	<37	<370	<3600	<18000	<3600
PCB-1232	<37	<36	<36	<40	<37	<370	<3600	<18000	<3600
PCB-1242	<37	<36	<36	<40	<37	<370	<3600	<18000	<3600
PCB-1248	<37	<36	<36	<40	<37	<370	<3600	<18000	<3600
PCB-1254	<37	<36	<36	<40	<37	<370	<3600	<18000	<3600
PCB-1260	<37	<36	<36	<40	<37	<370	<3600	<18000	<3600
Toxaphene	<10	<10	<10	<11	<10	<100	<1000	<5100	<1000
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, 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 5 Summary of Metals and Miscellaneous Parameters in Ground Water, Krummrich Plant, Gauget, [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 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	7.1	6.8	7.1	7.1	6.8	6.8	6.8	6.9	6.9
Spec. conductance (umhos/cm)	1,040	1,000	1,000	1,100	400	1,000	1,800	2,500	2,150	2,400
Temperature (deg. centigrade)	15	14	17	14	16	16	15	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 5. Summary of Metals and Miscellaneous Parameters in Ground Water, Krummrich Plant, Sauget, Illinois

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 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		
Miscellaneous Parameters										
pH	7.6	NA	7.3	7.0	6.9	6.9	7.1	7.3	NA	8.1
Spec. conductance (umhos/cm)	1,800	NA	2,150	2,500	3,200	2,200	2,000	2,200	NA	1,700
Temperature (deg. centigrade)	15	15	16	14	17	18	14	15	15	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 1 Summary of Metals and Miscellaneous Parameters in Ground Water, Kennecott Plant, Target Locations

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
PA Priority Pollutant als (concentrations are ng/L, except where noted)										
timony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
enic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
yllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
nium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
omium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
per	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
d	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
kel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
enium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
llium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
c	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cellaneous Parameters										
	+	6.3	7.1	7.1	6.9	--	+	7.4	7.7	7.1
c. conductance (umhos/cm)	1,500	1,450	1,900	600	2,200	1,800	1,100	750	650	600
perature (deg. centigrade)	17	17	19	14	15	16	15	17	19	14
nols	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
nide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
-Priority Pollutant Metals										
minum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
rium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
balt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
nadium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
on	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
nganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

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 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	--	+	6.8	7.5	7.6	7.2	--	6.7	6.7
Spec. conductance (umhos/cm)	500	900	1,650	1,300	800	600	900	550	1,100	1,100
Temperature (deg. centigrade)	15	16	15	17	18	14	15	17	15	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 5 Summary of Metals and Miscellaneous Parameters in Ground Water, Krummrich Plant, Sauget, Illinois

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 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	7.0	6.9	6.9	+	7.9	7.2	7.6	7.9	7.6
Spec. conductance (umhos/cm)	1,100	800	a	1,200	1,250	1,450	1,800	400	a	1,200
Temperature (deg. centigrade)	17	16	15	15	16	17	16	15	15	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 5 Summary of Metals and Miscellaneous Parameters in Ground Water, Krummrich Plant, Sauget, Illinois.

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, Kalamazoo, Illinois

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	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 5 Summary of Metals and Miscellaneous Parameters in Ground Water, Krummrich Plant, Target, Illinois

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 Base Neutral Compounds in Ground Water, Krumrich Plant, Sauget, Illinois

Well Number:	GM-56C	GM-57C	GM-57C	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	3/89	11/89
Laboratory:	CTC	ETC	ETC	ETC	ETC	ETC	SL	ETC	ETC
USEPA Priority Pollutant Base/Neutral Extractable Organic Compounds concentrations are in ug/L									
Acenaphthene	<2.2	<210	<220	<96	<98	<210	<100	<20	<23
Acenapthylene	<4.0	<380	<400	<180	<180	<390	<100	<37	<42
Anthracene	<2.2	<210	<220	<96	<98	<210	<100	<20	<23
Benzidine	<50	<4800	<5100	<2,200	<2,300	<4,900	<800	<460	<520
Benzo (a) anthracene	<8.9	<860	<900	<390	<400	<870	<100	<82	<93
Benzo (a) pyrene	<2.8	<270	<290	<130	<130	<280	<100	<26	<30
Benzo (b) fluoroanthene	<5.5	<1100	<1100	<240	<250	<530	<100	<51	<57
Benzo (ghi) perylene	<4.7	<450	<470	<210	<210	<460	<100	<43	<49
Benzo (k) fluoranthene	<2.8	<380	<400	<130	<130	<280	<100	<26	<30
Bis (2-chloroethoxy) methane	<6.0	<580	<610	<270	<270	<590	<100	<56	<63
Bis (2-chloroethyl) ether	<6.5	<630	<660	<290	<290	<630	<100	<60	<68
Bis (2-chloroisopropyl) ether	<6.5	<630	<660	<290	<290	<630	<100	<60	<68
Bis (2-ethylhexyl) phthalate	<11	<1100	<1100	<510	<520	<1,100	<100	<110	<120
4-Bromophenyl phenyl ether	<2.2	<210	<220	<96	<98	<210	<100	<20	<23
Butyl benzyl phthalate	<11	<1100	<1100	<510	<520	<1,100	<100	<110	<120
2-Chloronaphthalene	<2.2	<210	<220	<96	<98	<210	<100	<20	<23
4-Chlorophenyl phenyl ether	<4.8	<460	<480	<210	<220	<470	<100	<44	<50
Chrysene	<2.8	<270	<290	<130	<130	<280	<100	<26	<30
Dibenzo (a,h) anthracene	<11	<1100	<1100	<510	<520	<1,100	<100	<110	<120
1,2-Dichlorobenzene	693	638	575	837	922	650	540	598	562
1,3-Dichlorobenzene	13.1	<210	<220	<96	<98	<210	<100	<20	<23
1,4-Dichlorobenzene	96.8	<480	<510	387	395	<490	320	298	413
3,3-Dichlorobenzidine	<19	<1800	<1900	<830	<850	<1,800	<200	<170	<200
Diethyl phthalate	<11	<1100	<1100	<510	<520	<1,100	<100	<110	<120
Dimethyl phthalate	<11	<1100	<1100	<510	<520	<1,100	<100	<110	<120
Di-n-butyl phthalate	<11	<1100	<1100	<510	<520	<1,100	<100	<110	<120
2,4-Dinitrotoluene	<6.5	<630	<660	<290	<290	<630	<100	<60	<68
2,6-Dinitrotoluene	<2.2	<210	<220	<96	<98	<210	<100	<20	<23
Di-n-octyl phthalate	<11	<1100	<1100	<510	<520	<1,100	<100	<110	<120
1,2-Diphenylhydrazine	<11	<1100	<1100	<510	<520	<1,100	<100	<110	<120
Fluoranthene	<2.5	<240	<250	<110	<110	<240	<100	<23	<26
Fluorene	<2.2	<210	<220	<96	<98	<210	<100	<20	<23
Hexachlorobenzene	<2.2	<210	<220	<96	<98	<210	<100	<20	<23
Hexachlorobutadiene	<1.0	<99	<100	<45	<46	<100	<100	<9.5	<11
Hexachlorocyclopentadiene	<11	<1100	<1100	<510	<520	<1,100	<100	<110	<120
Hexachloroethane	<1.8	<180	<180	<81	<82	<180	<100	<17	<19
Indeno (1,2,3-c,d) pyrene	<5.3	<520	<540	<240	<240	<520	<100	<49	<56
Isophorone	<2.5	<240	<250	<110	<110	<240	<100	<23	<26
Naphthalene	40.9	<180	<180	<81	<82	<180	<100	<17	35.5
Nitrobenzene	135	430	449	<96	<98	321	260	<20	579
n-Nitrosodimethylamine	<11	<1100	<1100	<510	<520	<1,100	<100	<110	<120
n-Nitrosodi-n-propylamine	<11	<1100	<1100	<510	<520	<1,100	<100	<110	<120
n-Nitrosodiphenylamine	<2.2	<210	<220	<96	<98	<210	<100	<20	<23
Phenanthrene	<6.1	<590	<620	<270	<280	<600	<100	<57	<64
Pyrene	<2.2	<210	<220	<96	<98	<210	<100	<20	<23
1,2,4-Trichlorobenzene	39.8	<210	<220	<96	<98	<210	<100	<20	98.8
Sub Total 1	1,019	1,068	1,024	1,224	1,317	971	1,120	896	1,688

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

Well Number:	GM-56C	GM-57C	GM-57C	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	3/89	11/89
Laboratory:	ETC SL	ETC	ETC	ETC	ETC	ETC	SL	ETC	ETC
Miscellaneous Base/Neutral Extractable Organic Compounds concentrations are in ug/L									
1-Chloro-2-nitrobenzene	68,800	NA	NA	NA	NA	NA	NA	112,000	109,000
1-Chloro-4-Nitrobenzene	17,000	NA	NA	NA	NA	NA	NA	33,900	21,400
2,4-and 3,4-Dinitrochlorobenzene	<11	<1100	<1100	<510	<520	<1,100	<100	<110	<120
2-Nitroaniline	<11	<1100	<1100	<510	<520	<1,100	<500	<110	<120
4-Nitroaniline	<11	<1100	<1100	<510	<520	<1,100	<500	<110	<120
2-Nitrochlorobenzene	NA	82,100	85,600	124,000	142,000	219,000	100,000	NA	NA
4-Nitrochlorobenzene	NA	21,400	21,700	25,800	30,600	40,500	31,000	NA	NA
4-Nitrodiphenylamine	<11	<1100	<1100	<510	<520	<1,100	<200	<110	<120
Triphenyl phosphate	<11	<1100	<1100	<510	<520	<1,100	<100	<110	<120
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrobiphenyl	<11	<1100	<1100	<510	<520	NA	NA	NA	<120
4-Nitrobiphenyl	<11	<1100	<1100	<510	<520	NA	NA	NA	<120
Benzyl alcohol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aniline	34,300	NA	NA	NA	NA	NA	NA	NA	38,800
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	120,100	103,500	107,300	149,800	172,600	259,500	131,000	145,900	169,200
Total Base/Neutral Compounds	121,119	104,568	108,324	151,024	173,917	260,471	132,120	146,796	170,888

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

Well Number:	GM-57C	GM-58A	GM-58A	GM-58A	GM-58A	GM-59A	GM-59A	GM-59A	GM-59A
Date:	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
USEPA Priority Pollutant Base/Neutral Extractable Organic Compounds concentrations are in ug/L									
Acenaphthene	<20	<1.9	<2.2	<2.0	<2.0	<1.9	<1.9	<2.1	<2.0
Acenapthylene	<37	<3.6	<4.0	<3.6	<3.6	<3.6	<3.5	<3.9	<3.7
Anthracene	<20	<1.9	<2.2	<2.0	<2.0	<1.9	<1.9	<2.1	<2.0
Benzidine	<460	<45	<50	<45	<46	<45	<44	<49	<46
Benzo (a) anthracene	<82	<8.0	<8.9	<8.0	<8.1	<8.0	<7.8	<8.7	<8.2
Benzo (a) pyrene	<26	<2.6	<2.8	<2.6	<2.6	<2.6	<2.5	<2.8	<2.6
Benzo (b) fluoroanthene	<51	<10	<5.5	<4.9	<5.0	<10	<4.8	<5.3	<5.1
Benzo (ghi) perylene	<43	<4.2	<4.7	<4.2	<4.3	<4.2	<4.1	<4.6	<4.3
Benzo (k) fluoranthene	<26	<3.6	<2.8	<2.6	<2.6	<3.6	<2.5	<2.8	<2.6
Bis (2-chloroethoxy) methane	<56	<5.4	<6.0	<5.5	<5.5	<5.4	<5.3	<5.9	<5.6
Bis (2-chloroethyl) ether	<60	<5.8	<6.5	<5.9	<5.9	<5.8	<5.7	<6.3	<6.0
Bis (2-chloroisopropyl) ether	<60	<5.8	<6.5	<5.9	<5.9	<5.8	<5.7	<6.3	<6.0
Bis (2-ethylhexyl) phthalate	<110	<10	<11	<10	<10	<10	<10	<11	<11
4-Bromophenyl phenyl ether	<20	<1.9	<2.2	<2.0	<2.0	<1.9	<1.9	<2.1	<2.0
Butyl benzyl phthalate	<110	<10	<11	<10	<10	<10	<10	<11	<11
2-Chloronaphthalene	<20	<1.9	<2.2	<2.0	<2.0	<1.9	<1.9	<2.1	<2.0
4-Chlorophenyl phenyl ether	<44	<4.3	<4.8	<4.3	<4.4	<4.3	<4.2	<4.7	<4.4
Chrysene	<26	<2.6	<2.8	<2.6	<2.6	<2.6	<2.5	<2.8	<2.6
Dibenzo (a,h) anthracene	<110	<10	<11	<10	<10	<10	<10	<11	<11
1,2-Dichlorobenzene	**591**	<1.9	<2.2	<2.0	<2.0	<1.9	<1.9	<2.1	<2.0
1,3-Dichlorobenzene	<20	<1.9	<2.2	<2.0	<2.0	<1.9	<1.9	<2.1	<2.0
1,4-Dichlorobenzene	**449**	<4.5	<5.0	<4.5	<4.6	<4.5	<4.4	<4.9	<4.6
3,3-Dichlorobenzidine	<170	<17	<19	<17	<17	<17	<17	<18	<17
Diethyl phthalate	<110	<10	<11	<10	<10	<10	<10	<11	<11
Dimethyl phthalate	<110	<10	<11	<10	<10	<10	<10	<11	<11
Di-n-butyl phthalate	<110	<10	<11	<10	<10	<10	<10	<11	<11
2,4-Dinitrotoluene	<60	<5.8	<6.5	<5.9	<5.9	<5.8	<5.7	<6.3	<6.0
2,6-Dinitrotoluene	<20	<1.9	<2.2	<2.0	<2.0	<1.9	<1.9	<2.1	<2.0
Di-n-octyl phthalate	<110	<10	<11	**12.6**	<10	<10	<10	<11	<11
1,2-Diphenylhydrazine	<110	<10	<11	<10	<10	<10	<10	<11	<11
Fluoranthene	<23	<2.2	<2.5	<2.3	<2.3	<2.2	<2.2	<2.4	<2.3
Fluorene	<20	<1.9	<2.2	<2.0	<2.0	<1.9	<1.9	<2.1	<2.0
Hexachlorobenzene	<20	<1.9	<2.2	<2.0	<2.0	<1.9	<1.9	<2.1	<2.0
Hexachlorobutadiene	<9.5	<.92	<1.0	<0.93	<.94	<.92	<0.9	<1.0	<.95
Hexachlorocyclopentadiene	<110	<10	<11	<10	<10	<10	<10	<11	<11
Hexachloroethane	<17	<1.6	<1.8	<1.6	<1.7	<1.6	<1.6	<1.8	<1.7
Indeno (1,2,3-c,d) pyrene	<49	<4.8	<5.3	<4.8	<4.9	<4.8	<4.7	<5.2	<4.9
Isophorone	<23	<2.2	<2.5	<2.3	<2.3	<2.2	<2.2	<2.4	<2.3
Naphthalene	**34.9**	<1.6	<1.8	<1.6	<1.7	<1.6	<1.6	<1.8	<1.7
Nitrobenzene	**219**	<1.9	<2.2	<2.0	**3.30**	<1.9	<1.9	<2.1	<2.0
n-Nitrosodimethylamine	<110	<10	<11	<10	<10	<10	<10	<11	<11
n-Nitrosodi-n-propylamine	<110	<10	<11	<10	<10	<10	<10	<11	<11
n-Nitrosodiphenylamine	<20	<1.9	<2.2	<2.0	<2.0	<1.9	<1.9	<2.1	<2.0
Phenanthrene	<57	<5.5	<6.1	**5.6**	<5.6	<5.5	<5.4	<6.0	<5.7
Pyrene	<20	<1.9	<2.2	<2.0	<2.0	<1.9	<1.9	<2.1	<2.0
1,2,4-Trichlorobenzene	**95.7**	<1.9	<2.2	<2.0	<2.0	<1.9	<1.9	<2.1	<2.0
Sub Total 1	1,390	0	0	18	3	0	0	0	0

Table 3. Summary of Base Neutral Compounds in Ground Water, Krumrich Plant, Saugus, Illinois

Well Number:	GM-57C	GM-58A	GM-58A	GM-58A	GM-58A	GM-59A	GM-59A	GM-59A	GM-59A
Date:	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
Miscellaneous Base/Neutral Extractable Organic Compounds concentrations are in ug/L									
1-Chloro-2-nitrobenzene	123,000	NA	NA	NA	13.8	NA	NA	NA	<11
1-Chloro-4-Nitrobenzene	21,200	NA	NA	NA	87.2	NA	NA	NA	<11
2,4-and 3,4-Dinitrochlorobenzene	<110	31.0	<11	16.6	19.8	<10	<10	13.5	<11
2-Nitroaniline	<110	<10	<11	<10	<10	<10	<10	<11	<11
4-Nitroaniline	<110	<10	<11	<10	<10	<10	<10	<11	<11
2-Nitrochlorobenzene	NA	<10	14.1	12.9	NA	<10	<10	12	NA
4-Nitrochlorobenzene	NA	19.4	31.1	28.7	NA	<10	<10	27.2	NA
4-Nitrodiphenylamine	<110	<10	<11	<10	<10	<10	<10	<11	<11
Triphenyl phosphate	<110	<10	<11	<10	<10	<10	<10	<11	<11
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrobiphenyl	NA	<10	<11	<10	<10	<10	<10	<11	<11
4-Nitrobiphenyl	NA	<10	<11	<10	<10	<10	<10	<11	<11
Benzyl alcohol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aniline	44,800	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	189,000	50	45	58	121	0	0	53	0
Total Base/Neutral Compounds	190,390	50	45	76	124	0	0	53	0

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

Well Number:	B-25A	B-26A	B-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 Base/Neutral Extractable Organic Compounds concentrations are in ug/L									
Acenaphthene	<210	<2.1	<2.0	<2.0	<1.9	<1.9	<39	<19	<220
Acenapthylene	<390	<3.9	<3.8	<3.7	<3.5	<3.5	<72	<35	<400
Anthracene	<210	<2.1	<2.0	<2.0	<1.9	<1.9	<39	<19	<220
Benzidine	<4,900	<49	<47	<47	<44	<44	<910	<440	<5100
Benzo (a) anthracene	<880	<8.7	<8.4	<8.3	<7.9	<7.8	<160	<79	<900
Benzo (a) pyrene	<280	<2.8	<2.7	<2.7	<2.5	<2.5	<52	<25	<290
Benzo (b) fluoroanthene	<1,100	<11	<11	<11	<10	<10	<99	<48	<550
Benzo (ghi) perylene	<460	<4.6	<4.4	<4.4	<4.1	<4.1	<85	<41	<470
Benzo (k) fluoranthene	<390	<3.9	<3.8	<3.7	<3.5	<3.5	<52	<25	<290
Bis (2-chloroethoxy) methane	<600	<5.9	<5.7	<5.6	<5.4	<5.3	<110	<54	<610
Bis (2-chloroethyl) ether	<640	<6.3	<6.1	<6.1	<5.8	<5.7	<120	<58	<660
Bis (2-chloroisopropyl) ether	<640	<6.3	<6.1	<6.1	<5.8	<5.7	<120	<58	<660
Bis (2-ethylhexyl) phthalate	<1,100	13.1	<11	<11	<10	<10	<210	<100	<1100
4-Bromophenyl phenyl ether	<210	<2.1	<2.0	<2	<1.9	<1.9	<39	<19	<220
Butyl benzyl phthalate	<1,100	<11	<11	<11	<10	<10	<210	<100	<1100
2-Chloronaphthalene	<210	<2.1	<2.0	<2	<1.9	<1.9	<39	<19	<220
4-Chlorophenyl phenyl ether	<470	<4.7	<4.5	<4.5	<4.2	<4.2	<87	<42	<480
Chrysene	<280	<2.8	<2.7	<2.7	<2.5	<2.5	<52	<25	<290
Dibenzo (a,h) anthracene	<1,100	<11	<11	<11	<10	<10	<210	<100	<1100
1,2-Dichlorobenzene	8,800	2.76	<2.0	2.7	6.4	56.6	85.8	126	<220
1,3-Dichlorobenzene	<210	<2.1	<2.0	<2	<1.9	<1.9	<39	<19	<220
1,4-Dichlorobenzene	<490	<4.9	<4.7	<4.7	<4.4	10.4	<91	<44	<510
3,3-Dichlorobenzidine	<1,900	<18	<18.3	<18	<17	<17.0	<340	<170	<1900
Diethyl phthalate	<1,100	<11	<11	<11	<10	<10	<210	<100	<1100
Dimethyl phthalate	<1,100	<11	<11	<11	<10	<10	<210	<100	<1100
Di-n-butyl phthalate	<1,100	<11	<11	<11	<10	<10	<210	<100	<1100
2,4-Dinitrotoluene	<640	<6.3	<6.1	<6.1	<5.8	<5.7	<120	<58	<660
2,6-Dinitrotoluene	<210	<2.1	<2.0	<2.0	<1.9	<1.9	<39	<19	<220
Di-n-octyl phthalate	<1,100	<11	<11	<11	<10	<10	<210	<100	<1100
1,2-Diphenylhydrazine	<1,100	<11	<11	<11	<10	<10	<210	<100	<1100
Fluoranthene	<250	<2.4	<2.4	<2.3	<2.2	<2.2	<45	<22	<250
Fluorene	<210	<2.1	<2.0	<2.0	<1.9	<1.9	<39	<19	<220
Hexachlorobenzene	<210	<2.1	<2.0	<2.0	<1.9	<1.9	<39	<19	<220
Hexachlorobutadiene	<100	<1.0	<.97	<1.0	<0.9	<0.90	<19	<9.1	<100
Hexachlorocyclopentadiene	<1,100	<11	<11	<11	<10	<10	<210	<100	<1100
Hexachloroethane	<180	<1.8	<1.7	<1.7	<1.6	<1.6	<33	<16	<180
Indeno (1,2,3-c,d) pyrene	<530	<5.2	<5.1	<5.0	<4.7	<4.7	<97	<47	<540
Isophorone	<250	<2.4	<2.4	<2.3	<2.2	<2.2	<45	<22	<250
Naphthalene	872	<1.8	<1.7	<1.7	2.7	6.35	<33	16.8	<180
Nitrobenzene	12,900	15.8	<2.0	<2.0	<1.9	19.8	<39	50.9	<220
n-Nitrosodimethylamine	<1,100	<11	<11	<11	<10	<10	<210	<100	<1100
n-Nitrosodi-n-propylamine	<1,100	<11	<11	<11	<10	<10	<210	<100	<1100
n-Nitrosodiphenylamine	<210	<2.1	<2.0	<2.0	<1.9	<1.9	<39	<19	<220
Phenanthrene	<610	<6.0	<5.8	<5.7	<5.5	<5.4	<110	<55	<620
Pyrene	<210	<2.1	<2.0	<2.0	<1.9	<1.9	<39	<19	<220
1,2,4-Trichlorobenzene	2,170	<2.1	<2.0	<2.0	<1.9	<1.9	<39	<19	<220
Sub Total 1	24,742	32	0	3	9	93	86	194	0

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

Well Number:	B-25A	B-26A	B-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
Miscellaneous Base/Neutral Extractable Organic Compounds concentrations are in ug/L									
1-Chloro-2-nitrobenzene	NA	NA	NA	NA	NA	NA	NA	NA	5,410
1-Chloro-4-Nitrobenzene	NA	NA	NA	NA	NA	NA	NA	NA	<1100
2,4-and 3,4-Dinitrochlorobenzene	NA	NA	NA	<11	<10	<10	<210	<100	<1100
2-Nitroaniline	1,160	<11	<11	<11	<10	<10	<210	<100	<1100
4-Nitroaniline	<1,100	<11	<11	<11	<10	<10	<210	<100	<1100
2-Nitrochlorobenzene	NA	NA	NA	1,450	2,670	59,900	5,050	99,000	NA
4-Nitrochlorobenzene	NA	NA	NA	172	452	9,950	795	14,300	NA
4-Nitrodiphenylamine	NA	NA	NA	<11	<10	<10	<210	<100	<1100
Triphenyl phosphate	NA	NA	NA	<11	<10	<10	<210	<100	<1100
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrobiphenyl	NA	NA	NA	NA	NA	NA	<210	NA	<1100
4-Nitrobiphenyl	NA	NA	NA	NA	NA	NA	<210	NA	<1100
Benzyl alcohol	1,830	<11	<11	NA	NA	NA	NA	NA	NA
Aniline	<1,000	20	<11	NA	NA	NA	NA	NA	3,420
4-Chloroaniline	5,380	710	<11	NA	NA	NA	NA	NA	NA
2-Methylnaphtalene	<1,000	<11	<11	NA	NA	NA	NA	NA	NA
N-nitroaniline	<1,000	<11	<11	NA	NA	NA	NA	NA	NA
Dibenzofuran	<1,000	<11	<11	NA	NA	NA	NA	NA	NA
Sub Total 2	8,370	730	0	1,622	3,122	69,850	5,845	113,300	8,830
Total Base/Neutral Compounds	33,112	762	0	1,625	3,131	69,943	5,931	113,494	8,830

Table 3 Summary of Base Neutral Compounds in Ground Water, Krumrich Plant, Sauget, 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
USEPA Priority Pollutant Base/Neutral Extractable Organic Compounds concentrations are in ug/L									
Acenapnthene	<2.1	<1.9	<2.0	<21	<1.9	<1.9	<2.0	<2.1	<1.9
Acenapthylene	<3.9	<3.5	<3.6	<39	<3.5	<3.5	<3.6	<3.8	<3.5
Anthracene	<2.1	<1.9	<2.0	<21	<1.9	<1.9	<2.0	<2.1	<1.9
Benzidine	<49	<44	<45	<490	<44	<44	<46	<48	<44
Benzo (a) anthracene	<8.7	<7.8	<8.0	<87	<7.8	<7.8	<8.1	<8.6	<7.8
Benzo (a) pyrene	<2.8	<2.5	<2.6	<28	<2.5	<2.5	<2.6	<2.7	<2.5
Benzo (b) fluoroanthene	<11	<10	<10	<53	<10	<10	<5.0	<11	<4.8
Benzo (ghi) perylene	<4.6	<4.1	<4.2	<46	<4.1	<4.1	<4.3	<4.5	<4.1
Benzo (k) fluoranthene	<3.9	<3.5	<3.6	<28	<3.5	<3.5	<2.6	<3.8	<2.5
Bis (2-chloroethoxy) methane	<5.9	<5.3	<5.5	<59	<5.3	<5.3	<5.5	<5.8	<5.3
Bis (2-chloroethyl) ether	<6.3	<5.7	<5.9	<63	<5.7	<5.7	<5.9	<6.3	<5.7
Bis (2-chloroisopropyl) ether	<6.3	<5.7	<5.9	<63	<5.7	<5.7	<5.9	<6.3	<5.7
Bis (2-ethylhexyl) phthalate	<11	<10	<10	<110	<10	<10	<10	<11	<2.5
4-Bromophenyl phenyl ether	<2.1	<1.9	<2.0	<21	<1.9	<1.9	<2.0	<2.1	<1.9
Butyl benzyl phthalate	<11	<10	<10	<110	<10	<10	<10	<11	<2.5
2-Chloronaphthalene	<2.1	<1.9	<2.0	<21	<1.9	<1.9	<2.0	940	<1.9
4-Chlorophenyl phenyl ether	<4.7	<4.2	<4.3	<47	<4.2	<4.2	<4.4	<4.6	<4.2
Chrysene	<2.8	<2.5	<2.6	<28	<2.5	<2.5	<2.6	<2.7	<2.5
Dibenzo (a,h) anthracene	<11	<10	<10	<110	<10	<10	<10	<11	<2.5
1,2-Dichlorobenzene	<2.1	2.54	4.59	769	<1.9	2.82	44.6	346	88.1
1,3-Dichlorobenzene	<2.1	2.11	<2.0	<21	<1.9	<1.9	<2.0	7.00	2
1,4-Dichlorobenzene	10.2	18.2	25.4	64.8	<4.4	<4.4	53.4	585	154
3,3-Dichlorobenzidine	<18	<17	<17	<180	<17	<17	<17	<18.7	<16.5
Diethyl phthalate	<11	<10	<10	<110	<10	<10	<10	<11	<1.9
Dimethyl phthalate	<11	<10	<10	<110	<10	<10	<10	<11	<1.6
Di-n-butyl phthalate	<11	<10	<10	<110	<10	<10	<10	<11	<2.5
2,4-Dinitrotoluene	<6.3	<5.7	<5.9	<63	<5.7	<5.7	<5.9	<6.3	<5.7
2,6-Dinitrotoluene	<2.1	<1.9	<2.0	<21	<1.9	<1.9	<2.0	<2.1	<1.9
Di-n-octyl phthalate	<11	<10	<10	<110	<10	<10	<10	<11	<2.5
1,2-Diphenylhydrazine	<11	<10	<10	<110	<10	<10	<10	<11	<10
Fluoranthene	<2.4	<2.2	<2.3	<24	<2.2	<2.2	<2.3	<2.4	<2.2
Fluorene	<2.1	<1.9	<2.0	<21	<1.9	<1.9	<2.0	<2.1	<1.9
Hexachlorobenzene	<2.1	<1.9	<2.0	<21	<1.9	<1.9	<2.0	<2.1	<1.9
Hexachlorobutadiene	<1.0	<0.90	<.93	<10	<0.90	<0.90	<.94	<.99	<0.9
Hexachlorocyclopentadiene	<11	<10	<10	<110	<10	<10	<10	<11	<10
Hexachloroethane	<1.8	<1.6	<1.6	<18	<1.6	<1.6	<1.7	<1.8	<1.6
Indeno (1,2,3-c,d) pyrene	<5.2	<4.7	<4.8	<52	<4.7	<4.7	<4.9	<5.2	<3.7
Isophorone	<2.4	<2.2	<2.3	<24	<2.2	<2.2	<2.3	<2.4	<2.2
Naphthalene	<1.8	<1.6	<1.6	<18	<1.6	<1.6	<1.7	7.95	<1.6
Nitrobenzene	<2.1	<1.9	<2.0	<21	<1.9	<1.9	<2.0	113	357
n-Nitrosodimethylamine	<11	<10	<10	<110	<10	<10	<10	<11	<10
n-Nitrosodi-n-propylamine	<11	<10	<10	<110	<10	<10	<10	<11	<10
n-Nitrosodiphenylamine	<2.1	<1.9	<2.0	<21	<1.9	<1.9	<2.0	<2.1	<1.9
Phenanthrene	<6.0	<5.4	<5.6	<60	<5.4	<5.4	<5.6	<5.9	<5.4
Pyrene	<2.1	<1.9	<2.0	<21	<1.9	<1.9	<2.0	<2.1	<1.9
1,2,4-Trichlorobenzene	<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, Krumrich Plant, Saug

Well Number:	P-1	P-1	P-2	P-2	P-3
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

GERAGHTY & MILLER, INC.

Table 1 Summary of Base Neutral Compounds in Ground Water, Krumrich Plant, Saugus, Illinois

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	<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	1,350	<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	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	<5700
n-Nitrosodi-n-propylamine	<200	<10	<1,100	<100	<100	<120	<1000	<5100	<5700
n-Nitrosodiphenylamine	<38	<1.9	<220	<20	<20	<22	<190	<970	<1100
Phenanthrene	<110	<5.5	<620	<56	<56	<64	<540	<2800	<3100
Pyrene	<38	<1.9	<220	<20	<20	<22	<190	<970	<1100
1,2,4-Trichlorobenzene	<38	<1.9	<220	117	<20	46.6	<190	<970	<1100
Sub Total 1	797	256	7,991	3,350	1,164	3,938	0	2,220	4,270

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

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
Miscellaneous Base/Neutral Extractable Organic Compounds concentrations are in ug/L									
1-Chloro-2-nitrobenzene	NA	NA	NA	NA	62,600	357,000	NA	57,100	463,000
1-Chloro-4-Nitrobenzene	NA	NA	NA	NA	19,400	90,600	NA	14,200	185,000
2,4-and 3,4-Dinitrochlorobenzene	<200	<10	<1,100	NA	<100	<120	<1000	<5100	<5700
2-Nitroaniline	<200	<10	<1,100	NA	<100	<120	<1000	<5100	<5700
4-Nitroaniline	<200	11.3	<1,100	NA	<100	<120	<1000	<5100	<5700
2-Nitrochlorobenzene	40,800	22,400	64,900	NA	NA	NA	55,100	NA	NA
4-Nitrochlorobenzene	11,900	5,230	29,100	NA	NA	NA	32,400	NA	NA
4-Nitrodiphenylamine	<200	160	<1,100	NA	<100	627	<1000	<5100	<5700
Triphenyl phosphate	<200	<10	<1,100	NA	NA	<120	<1000	<5100	<5700
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrobiphenyl	NA	NA	<1,100	NA	NA	<120	NA	NA	<5700
4-Nitrobiphenyl	NA	NA	<1,100	NA	NA	<120	NA	NA	<5700
Benzyl alcohol	NA	NA	NA	NA	NA	NA	NA	<5100	NA
Aniline	NA	NA	NA	NA	NA	22,300	NA	155,000	522,000
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	49,100	NA
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	52,700	27,801	94,000	0	82,000	470,527	87,500	275,400	1,170,000
Total Base/Neutral Compounds	53,497	28,058	101,991	3,350	83,164	474,465	87,500	277,620	1,174,270

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-[illegible]
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	6.4
Spec. conductance (umhos/cm)	1,550	1,000	1,300	1,680	1,700	1,100	1,300	1,800	3,700	--
Temperature (deg. centigrade)	16	11	17	15	13	15	16	13	15	15
Cyanide	0.029	<.025	<.025	0.027	NA	NA	<.025	NA	NA	NA
Phenols	NA	NA	NA	18.9	NA	NA	0.205	NA	NA	NA
Non-Priority Pollutant Metals										
Aluminum	NA	<.088	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	0.155	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	<.026	NA	NA	NA	NA	NA	NA	NA	NA
Tin	NA	<.052	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	<.011	NA	NA	NA	NA	NA	NA	NA	NA
Boron	NA	2.54	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	16.8	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	3.31	NA	NA	NA	NA	NA	NA	NA	NA

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

Well Number:	P-14	P-14	P-14	P-14	P-14	P-14	Field Blank
Date:	12/86	5/87	11/87	5/88	11/88	11/89	3/87
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	<.057
Arsenic	NA	NA	NA	NA	NA	NA	<.010
Beryllium	NA	NA	NA	NA	NA	NA	<.00052
Cadmium	NA	NA	NA	NA	NA	NA	<.0025
Chromium	NA	NA	NA	NA	NA	NA	<.013
Copper	NA	NA	NA	NA	NA	NA	<.0052
Lead	NA	NA	NA	NA	NA	NA	<.0050
Mercury	NA	NA	NA	NA	NA	NA	<.00022
Nickel	NA	NA	NA	NA	NA	NA	<.0096
Selenium	NA	NA	NA	NA	NA	NA	<.0050
Silver	NA	NA	NA	NA	NA	NA	<.011
Thallium	NA	NA	NA	NA	NA	NA	<.0050
Zinc	NA	NA	NA	NA	NA	NA	0.011
Miscellaneous Parameters							
pH	7.0	7.0	7.4	7.4	7.2	7.1	NA
Spec. conductance (umhos/cm)	2,500	2,650	2,750	2,400	3,400	--	NA
Temperature (deg. centigrade)	13	15	18	13	15	15	NA
Cyanide	NA	NA	<.025	NA	NA	NA	<.025
Phenols	NA	NA	0.160	NA	NA	NA	NA
Non-Priority Pollutant Metals							
Aluminum	NA	NA	NA	NA	NA	NA	<.088
Barium	NA	NA	NA	NA	NA	NA	0.0042
Cobalt	NA	NA	NA	NA	NA	NA	<.026
Tin	NA	NA	NA	NA	NA	NA	<.052
Vanadium	NA	NA	NA	NA	NA	NA	<.011
Boron	NA	NA	NA	NA	NA	NA	<.013
Iron	NA	NA	NA	NA	NA	NA	<.160
Manganese	NA	NA	NA	NA	NA	NA	0.015

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

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

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

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 5 Summary of Metals and Miscellaneous Parameters in Ground Water, Krummrich Plant, Kingsport, Tennessee

Well Number:	P-1	P-1	P-2	P-2	P-2	P-2	P-2	P-2	P-3	P-3
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

Table 5. Summary of Metals and Miscellaneous Parameters in Ground Water, Krummrich Plant, Kenner, Louisiana

Well Number:	GM-59A	GM-59A	GM-59A	GM-59A	B-25A	B-26A	B-28A	GM-106	GM-106	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)										
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, Krummrich Plant, Sauget, Illinois

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

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

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

Well Number:	GM-31C	GM-55C	GM-55C	GM-55C	GM-55C	GM-56C	GM-56C	GM-56C	GM-56C	GM-57C
Date:	11/89	11/87	5/88	11/88	11/89	11/87	5/88	11/88	11/89	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	<.066	<.076	NA	NA	<.080	<.076	NA	NA	<.080
Arsenic	NA	<.010	0.012	NA	NA	<.010	<.010	NA	NA	<.010
Beryllium	NA	<.00064	<.0004	NA	NA	<.00078	<.0004	NA	NA	<.00078
Cadmium	NA	<.0023	<.003	NA	NA	<.0055	<.003	NA	NA	<.0055
Chromium	NA	<.015	0.056	NA	NA	<.032	0.050	NA	NA	<.032
Copper	NA	<.016	<.008	NA	NA	<.012	<.008	NA	NA	<.012
Lead	NA	<.063	<.052	NA	NA	<.062	<.052	NA	NA	<.062
Mercury	NA	<.00024	<.0002	NA	NA	<.00020	<.0002	NA	NA	<.00020
Nickel	NA	0.019	<.009	NA	NA	<.015	0.011	NA	NA	<.015
Selenium	NA	<.005	<.005	NA	NA	<.005	<.005	NA	NA	<.005
Silver	NA	<.011	<.006	NA	NA	<.027	<.006	NA	NA	<.027
Thallium	NA	<.010	<.010	NA	NA	<.010	<.010	NA	NA	<.010
Zinc	NA	<.020	0.035	NA	NA	0.100	0.034	NA	NA	0.037
Miscellaneous Parameters										
pH	7.3	7.0	7.1	7.2	6.7	6.8	6.8	6.9	6.8	6.6
Spec. conductance (umhos/cm)	800	1,400	1,200	1,500	--	1,200	2,100	2,200	--	3,200
Temperature (deg. centigrade)	15	17	13	15	15	15	13	15	15	16
Phenols	NA	0.167	2.6	NA	NA	17.0	10.4	NA	NA	74.5
Cyanide	NA	<.025	<.025	NA	NA	0.063	<.025	NA	NA	0.035
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, Linden, New Jersey

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, Kuger, 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 2 Summary of Metals and Miscellaneous Parameters in Ground Water, Krummrich Plant, Sauget, Illinois

Well Number:	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-31A	GM-31A	GM-31A	GM-31A	GM-31A
Date:	5/88	11/88	3/89	3/89 *	11/89	12/86	12/86*	5/87	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	<60	<60	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	<50	<10	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	<1.0	<1.0	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	<2.0	<2.0	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	<10	<10	NA	NA	NA	NA	NA	NA
Copper	NA	NA	<10	<10	NA	NA	NA	NA	NA	NA
Lead	NA	NA	<75	<75	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	<0.20	<0.20	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	<20	<20	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	<5.0	<5.0	NA	NA	NA	NA	NA	NA
Silver	NA	NA	<10	<10	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	<10	<10	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	35	53	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
pH	6.9	7.1	6.9	6.9	7.2	8.0	8.0	6.7	6.7	6.6
Spec. conductance (umhos/cm)	1,400	1,600	2,200	2,200	--	1,500	1,500	1,400	1,400	1,200
Temperature (deg. centigrade)	13	15	14	14	14	13	13	16	16	17
Phenols	NA	NA	3.07	2.84	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	<0.025	0.035	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, Sauget, 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	0.028
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, Krummrich 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, Krummrich Plant, Sauget, Illinois

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