150743

939778

NOTE: THE DATA PRESENTED IN THIS SECTION IS PRESENTED IN THE ORIGINAL REPORT FORMAT.

SOURCE: "REMEDIAL INVESTIGATION AT SAUGET SITE R"
Geraghty & Miller, 1994

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REMEDIAL INVESTIGATION FOR THE EXPANDED STUDY AREA SAUGET, ILLINOIS

August 1994

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Table 5-4 Summary of Target Compound List Volatile Organic Compounds Detected in Soil Samples, Expanded Study Area, Sauget, Illinois

Parameter	Sample Location	SB-17	SB-17	SB-17	SB-18	SB-18	SB-18	SB-18	SB-18	SB-19	SB-19
	Sample Depth	14-16 ft	18-20 ft	34-36 ft	16-18 ft	18-20 ft	24-26 ft	28-30 ft	30-32 ft	22-24 ft	24-26 ft
	Sample Date	4/27/92	4/27/92	4/27/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/21/92	4/21/92
	Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Methylene chloride		--	560 J	--	--	--	--	--	--	--	--
Acetone		310 EJ	1800 EJ	--	--	--	--	--	--	--	--
2-Butanone (MEK)		9 J	2100	1800	--	--	12 J	9 J	3 J	--	--
Benzene		--	--	--	--	--	--	--	--	--	300 J
4-Methyl-2-pentanone		--	--	--	--	--	--	--	--	--	--
Tetrachloroethene		2 J	7 J	--	2 J	--	--	2 J	--	--	--
Toluene		--	4 J	--	--	--	--	--	--	--	--
Chlorobenzene		--	--	--	8 J	2 J	19	29	9 J	4400 J	670 J
Ethylbenzene		--	--	--	--	--	--	--	--	--	880 J
Xylenes		4 J	23	--	--	--	--	--	--	3500 J	4500
Total VOCs		325	4494	1800	10	2	31	40	12	7900	6350

ug/L Micrograms per liter
ug/kg Micrograms per kilogram
ft Feet
-- Not detected
E Concentration is above the calibration range of the instrument
J Estimated value
VOCs Volatile organic compounds

Only those compounds detected are listed.

Table 5-4 Summary of Target Compound List Volatile Organic Compounds Detected in Soil Samples, Expanded Study Area, Sauget, Illinois

Parameter	Sample Location:	SB-19	Trip Blank	Trip Blank	Equipment Blank	Equipment Blank
	Sample Depth:	32-34 ft				
	Sample Date:	4/21/92	4/23/92	4/27/92	4/23/92	4/27/92
	Units:	ug/kg	ug/L	ug/L	ug/L	ug/L
Methylene chloride		--	--	--	--	--
Acetone		--	21 J	4 J	--	--
2-Butanone (MEK)		--	--	--	--	--
Benzene		--	--	--	--	--
4-Methyl-2-pentanone		240000 J	--	--	--	--
Tetrachloroethene		1400000 J	--	--	--	--
Toluene		--	--	--	--	--
Chlorobenzene		--	--	--	--	--
Ethylbenzene		--	--	--	--	--
Xylenes		--	--	--	--	--
Total VOCs		1640000	21	4	--	--

ug/L Micrograms per liter.
ug/kg Micrograms per kilogram.
ft Feet.
-- Not detected.
E Concentration is above the calibration range of the instrument.
J Estimated value.
VOCs Volatile organic compounds

Only those compounds detected are listed.

Table 5-5. Summary of Target Compound List Semivolatile Organic Compounds Detected in Soil Samples, Expanded Study Area, Sauget, Illinois.

Sample Location:	SB-17	SB-17	SB-17	SB-18	SB-18	SB-18
Sample Depth:	14-16 ft	18-20 ft	34-36 ft	16-18 ft	18-20 ft	24-26 ft
Sample Date:	4/27/92	4/27/92	4/27/92	4/23/92	4/23/92	4/23/92
Units:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Parameter						
Phenol	–	–	–	540	–	–
2-Chlorophenol	–	–	–	–	–	–
1,3-Dichlorobenzene	–	–	–	–	–	–
1,4-Dichlorobenzene	55 J	–	18 J	–	–	–
1,2-Dichlorobenzene	18 J	–	–	–	44 J	44 J
2-Methylphenol (o-cresol)	–	–	–	290 J	–	–
4-Methylphenol (p-cresol)	–	–	–	540	–	–
2,4-Dimethylphenol	–	–	–	37 J	–	–
2,4-Dichlorophenol	–	–	–	–	–	–
1,2,4-Trichlorobenzene	17 J	–	–	–	–	–
Naphthalene	–	–	–	–	29 J	–
2-Methylnaphthalene	14 J	–	9 J	–	15 J	–
2,4,6-Trichlorophenol	–	–	–	–	–	27 J
Acenaphthene	–	–	–	–	14 J	–
Dibenzofuran	–	–	–	–	11 J	–
Fluorene	–	–	–	–	14 J	8 J
Pentachlorophenol	–	240 J	–	–	–	–
Phenanthrene	–	–	–	–	140 J	76 J
Anthracene	–	–	–	–	30 J	17 J
Carbazole	–	–	–	–	–	8 J
Di-n-butylphthalate	–	–	–	–	–	–
Fluoranthene	30 J	13 J	–	21 J	180 J	110 J
Pyrene	31 J	15 J	–	21 J	140 J	82 J
Butylbenzylphthalate	–	–	–	–	–	–
Benzo(a)anthracene	–	–	–	–	68 J	41 J
Chrysene	–	–	–	–	70 J	44 J
bis(2-Ethylhexyl)phthalate	1200	–	–	–	–	–
Di-n-octylphthalate	95 J	80 J	14 J	–	73 J	41 J
Benzo(b)fluoranthene	–	–	–	–	49 J	34 J
Benzo(k)fluoranthene	–	–	–	–	45 J	27 J
Benzo(a)pyrene	–	–	–	10 J	50 J	31 J
Indeno(1,2,3-cd)pyrene	–	–	–	–	29 J	9 J
Dibenzo(a,h)anthracene	–	–	–	–	–	–
Benzo(g,h,i)perylene	–	–	–	–	30 J	18 J
2-Chloroaniline	17 J	–	–	–	9 J	350 J
Total SVOCs	1477	348	41	1459	1040	967

ug/L	Micrograms per liter.
J	Estimated value.
ug/kg	Micrograms per kilogram.
D	Compound determined at a secondary dilution value.
ft	Feet.
–	Not detected.
SVOCs	Semivolatile organic compounds.

Only those compounds detected are listed.

Table 5-5 Summary of Target Compound List Semivolatile Organic Compounds Detected in Soil Samples, Expanded Study Area, Sauget, Illinois.

Sample Location:	SB-18	SB-18	SB-19	SB-19	SB-19	Equipment Blank
Sample Depth:	28-30 ft	30-32 ft	22-24 ft	24-26 ft	32-34 ft	
Sample Date:	4/23/92	4/23/92	4/21/92	4/21/92	4/21/92	4/23/92
Units:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
Parameter						
Phenol	–	–	–	1400 J	430 DJ	–
2-Chlorophenol	–	–	–	200 J	–	–
1,3-Dichlorobenzene	–	–	33 J	240 J	17 J	–
1,4-Dichlorobenzene	–	–	530	4700	320 J	–
1,2-Dichlorobenzene	76 J	–	510	2100 J	140 J	–
2-Methylphenol (o-cresol)	–	–	–	–	–	–
4-Methylphenol (p-cresol)	–	–	–	–	57 J	–
2,4-Dimethylphenol	–	–	–	–	–	–
2,4-Dichlorophenol	–	–	630	3300 J	800	–
1,2,4-Trichlorobenzene	–	–	–	960 J	63 J	–
Naphthalene	–	–	290 J	1300 J	120 DJ	–
2-Methylnaphthalene	–	–	–	4100 J	330 J	–
2,4,6-Trichlorophenol	–	–	–	–	–	–
Acenaphthene	–	–	110 J	–	–	–
Dibenzofuran	–	–	–	–	–	–
Fluorene	–	–	–	1400 DJ	57 DJ	–
Pentachlorophenol	–	48 J	–	–	–	–
Phenanthrene	–	–	500	5300	410 J	–
Anthracene	–	–	–	2600 DJ	100 DJ	–
Carbazole	–	–	–	–	–	–
Di-n-butylphthalate	–	–	190 J	3400 J	230 J	–
Fluoranthene	10 J	–	98 J	1800 J	–	–
Pyrene	9 J	–	490	11000	530	–
Butylbenzylphthalate	–	–	–	–	120 J	–
Benzo(a)anthracene	–	–	250 J	5400	320 DJ	–
Chrysene	–	–	410	9000	440 J	–
bis(2-Ethylhexyl)phthalate	–	–	4200 D	110000 D	5000 D	13 J
Di-n-octylphthalate	–	31 J	150 J	–	95 DJ	–
Benzo(b)fluoranthene	–	–	140 J	–	150 J	–
Benzo(k)fluoranthene	–	–	– J	3800 J	–	–
Benzo(a)pyrene	–	–	140 J	3700 J	330 J	–
Indeno(1,2,3-cd)pyrene	–	–	14 J	310 J	–	–
Dibenzo(a,h)anthracene	–	–	52 J	1500 J	54 J	–
Benzo(g,h,i)perylene	–	–	140 J	2700 J	150 J	–
2-Chloroaniline	16 J	–	1300	4800	1100	–
Total SVOCs	111	79	10177	185010	11363	13

ug/L Micrograms per liter.
J Estimated value.
ug/kg Micrograms per kilogram.
D Compound determined at a secondary dilution value.
ft Feet.
– Not detected.
SVOCs Semivolatile organic compounds.

Only those compounds detected are listed.

Table 5-5. Summary of Target Compound List Semivolatile Organic Compounds Detected in Soil Samples, Expanded Study Area, Sauget, Illinois.

Parameter	Equipment Blank
Sample Location:	Equipment Blank
Sample Depth:	
Sample Date:	4/27/92
Units:	ug/L
Phenol	0.4 J
2-Chlorophenol	--
1,3-Dichlorobenzene	--
1,4-Dichlorobenzene	--
1,2-Dichlorobenzene	--
2-Methylphenol (o-cresol)	--
4-Methylphenol (p-cresol)	--
2,4-Dimethylphenol	--
2,4-Dichlorophenol	--
1,2,4-Trichlorobenzene	--
Naphthalene	0.7 J
2-Methylnaphthalene	--
2,4,6-Trichlorophenol	--
Acenaphthene	--
Dibenzofuran	--
Fluorene	--
Pentachlorophenol	--
Phenanthrene	--
Anthracene	--
Carbazole	--
Di-n-butylphthalate	--
Fluoranthene	--
Pyrene	--
Butylbenzylphthalate	--
Benzo(a)anthracene	--
Chrysene	--
bis(2-Ethylhexyl)phthalate	--
Di-n-octylphthalate	--
Benzo(b)fluoranthene	--
Benzo(k)fluoranthene	--
Benzo(a)pyrene	--
Indeno(1,2,3-cd)pyrene	--
Dibenzo(a,h)anthracene	--
Benzo(g,h,i)perylene	--
2-Chloroaniline	--
Total SVOCs	1.1

ug/L	Micrograms per liter.
J	Estimated value.
ug/kg	Micrograms per kilogram.
D	Compound determined at a secondary dilution value.
ft	Feet.
--	Not detected.
SVOCs	Semivolatile organic compounds.

Only those compounds detected are listed.

Table 5-6 Summary of Target Compound List Pesticides and PCBs Detected in Soil Samples, Expanded Study Area, Sauget, Illinois

Sample Location:	SB-17	SB-17	SB-17	SB-18	SB-18	SB-18	SB-18	SB-18	SB-19	SB-19	SB-19	Equipment Blank	Equipment Blank
Sample Depth:	14-16 ft	18-20 ft	34-36 ft	16-18 ft	18-20 ft	24-26 ft	28-30 ft	30-32 ft	22-24 ft	24-26 ft	32-34 ft		
Sample Date:	4/27/92	4/27/92	4/27/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/21/92	4/21/92	4/21/92	4/23/92	4/27/92
Units:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Parameter													
delta-BHC	–	R	–	–	–	–	–	–	R	26 J	–	–	–
4,4'-DDE	180	R	–	–	–	–	–	–	–	–	–	–	–
Endosulfan sulfate	–	R	–	–	–	–	–	–	–	16 J	–	–	–
Aroclor-1248	2400 JN	R	–	–	–	–	–	–	1100 J	2400 JN	1200 J	–	–
Aroclor-1254	–	R	–	–	–	–	–	–	730	1700 J	760	–	–
Aroclor-1260	6600	R	–	–	–	–	–	–	360	1500 JN	370	–	–

ug/kg Micrograms per kilogram.
ug/L Micrograms per liter.
ft Feet.
J Estimated value
R Unusable value.
N Presumptive evidence of the compound present.
– Not detected

Only those compounds detected are listed.

Table 5-7. Summary of Target Analyte List Parameters Detected in Soil Samples, Expanded Study Area, Sauget, Illinois.

Sample Location:	SB-17	SB-17	SB-17	SB-18	SB-18	SB-18	SB-18
Sample Depth:	14-16 ft	18-20 ft	34-36 ft	16-18 ft	18-20 ft	24-26 ft	28-30 ft
Sample Date:	4/27/92	4/27/92	4/27/92	4/23/92	4/23/92	4/23/92	4/23/92
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Parameter							
Aluminum	7270	10800	1380	4940	2400	5450	6660
Arsenic	4.2	6.0	–	2.8	–	–	3.3
Barium	185	207	32.9 B	196	63.9	142	268
Cadmium	–	–	–	–	–	–	–
Calcium	–	–	–	–	–	–	–
Chromium	18.9 J	18.2 J	11.8 J	13.2	8.2	11.5	12.5
Cobalt	6.6 B	7.4 B	–	5.4 B	3.4 B	5.8 B	6.5 B
Copper	25.1	19.5	–	11.5	–	9.2	9.6
Iron	9630	16000	3960	8700	6210	11600	13600
Lead	14.0	11.1	2.3	6.6	4.3	5.7	6.6
Magnesium	–	–	–	–	–	–	–
Manganese	209	384	49.6	147	75.7	289	264
Mercury	0.15	0.07	–	–	–	–	–
Nickel	19.3	19.1	–	14.0	8.7	13.4	16.0
Potassium	–	1830	–	–	–	–	–
Sodium	–	–	–	–	–	–	–
Vanadium	27.4	28.7	5.3 B	25.0	11.1	16.3	21.1
Zinc	–	–	–	R	R	R	R

–	Not detected.
ug/L	Micrograms per liter.
mg/kg	Milligrams per kilogram.
ft	Feet.
J	Estimated value.
R	Unusable value.
B	Compound is between the contract required detection limit and the instrument detection limit.
N	Presumptive evidence of the compound present.

Only those compounds detected are listed.

0220

Table 5-7. Summary of Target Analyte List Parameters Detected in Soil Samples, Expanded Study Area, Sauget, Illinois.

Sample Location:	SB-18	SB-19	SB-19	SB-19	Equipment Blank	Equipment Blank
Sample Depth:	30-32 ft	22-24 ft	24-26 ft	32-34 ft		
Sample Date:	4/23/92	4/22/92	4/22/92	4/22/92	4/23/92	4/27/92
Units:	mg/kg	mg/kg	mg/kg	mg/kg	ug/L	ug/L
Parameter						
Aluminum	1980	4050	5270	6200	–	–
Arsenic	2.3	5.4 JN	4.1 JN	5.5 JN	–	–
Barium	64.9	320 JN	211 JN	201 JN	11.8	–
Cadmium	–	1.2 JN	–	–	–	–
Calcium	–	10700	15200	16700	–	18500
Chromium	6.0	124 JN	18.5 JN	12.3 JN	–	–
Cobalt	2.4	5.1 B	6.2 B	6.8 B	–	–
Copper	–	28.3	15.2	12.1	–	–
Iron	5360	11800	12700	13400	–	–
Lead	2.3	16.6 JN	12.6 JN	9.8 JN	–	–
Magnesium	–	4140	6210	6590	–	6170
Manganese	83.7	162 J	375 J	364 J	–	–
Mercury	–	0.07	–	–	–	–
Nickel	–	14.4	16.5	16.7	–	–
Potassium	–	1020 B	1510	1420	2180 B	1690 B
Sodium	–	178 B	302 B	838 B	–	9900
Vanadium	7.8	21.0	19.1	21.0	–	–
Zinc	R	273 JN	144 JN	49.3 JN	R	539

–	Not detected.
ug/L	Micrograms per liter.
mg/kg	Milligrams per kilogram.
ft	Feet.
J	Estimated value.
R	Unusable value.
B	Compound is between the contract required detection limit and the instrument detection limit.
N	Presumptive evidence of the compound present.

Only those compounds detected are listed.

Table 5-8. Concentrations of Total Extractable, Chromatographable, Semivolatile Organic Compounds in Soil Samples, Expanded Study Area, Sauget, Illinois.

Boring Number	Depth	Concentration (mg/kg)
SB-17	2-4	ND
SB-17	12-14	ND
SB-17	22-24	ND
SB-18	2-4	2.60
SB-18	14-16	ND
SB-18	22-24	ND/ND*
SB-19	4-6	4.20
SB-19	20-22 Clay	8.50
SB-19	20-22 Paper	188
SB-19	20-22 Sand	127
SB-19	30-32	ND

mg/kg Milligrams per kilogram.
* Duplicate analysis.
ND Not detected.

Depths in feet below land surface.

Table 5-9 Concentrations of Carbon and Chlorine Detected in Soil Samples, Expanded Study Area, Sauget, Illinois.

Sample Location	Sample Depth	Sample Date	Total Organic Carbon	Total Halogens Calculated as Chlorine	Total Halides Calculated as Chloride	Total Organic Halogens Calculated as Chlorine (by difference)
SB-17	0-2 ft	4/27/92	591,000	593	7	586
SB-17	4-6 ft	4/27/92	371,700	30	8	22
SB-17	18-10 ft	4/27/92	41,500	30	<3	30
SB-17	10-12 ft	4/27/92	23,100	24	14	10
SB-17	16-18 ft	4/27/92	10,400	24	16	8
SB-17	20-22 ft	4/27/92	20,400	18	17	1
SB-17	24-26 ft	4/27/92	8,200	174	84	90
SB-17	26-28 ft	4/27/92	2,200	216	52	164
SB-17	28-30 ft	4/27/92	9,600	107	46	61
SB-17	30-32 ft	4/27/92	1,800	97	98	<1
SB-17	32-34 ft	4/27/92	1,100	31	26	5
SB-17	36-38	4/27/92	1,800	82	9	73
SB-18	0-2 ft	4/23/92	241,300	171	80	91
SB-18	4-6 ft	4/23/92	188,100	149	50	99
SB-18	6-8 ft	4/23/92	25,800	105	74	31
SB-18	8-10 ft	4/23/92	55,200	93	78	15
SB-18	10-12 ft	4/23/92	25,400	90	58	32
SB-18	12-14 ft	4/23/92	45,900	75	64	11
SB-18	20-22 ft	4/23/92	10,100	13	5	8
SB-18	26-28 ft	4/23/92	8,200	119	119	<1
SB-18	32-34 ft	4/23/92	560	51	37	14
SB-19	0-2 ft	4/21/92	12,900	92	39	53
SB-19	2-4 ft	4/21/92	608,900	77	60	17
SB-19	6-8 ft	4/21/92	115,500	120	45	75
SB-19	8-10 ft	4/21/92	117,800	49	48	1
SB-19	10-12 ft	4/21/92	220,800	159	76	83
SB-19	16-18 ft	4/21/92	183,500	292	83	209
SB-19	18-20 ft	4/23/92	166,900	411	151	260
SB-19	26-28 ft	4/23/92	9,400	30	27	3
SB-19	28-30 ft	4/21/92	7,400	63	30	33
SB-19	34-35 ft	4/21/92	46,100	80	46	34

Concentrations are in milligrams per kilogram (mg/kg) for soil samples and milligrams per liter (mg/L) for water samples.

ft Feet.

0223

EXCHLOR.XLS

Table 5-9 Concentrations of Carbon and Chlorine Detected in Soil Samples, Expanded Study Area, Sauget, Illinois.

Sample Location	Sample Depth	Sample Date	Total Organic Carbon	Total Halogens Calculated as Chlorine	Total Halides Calculated as Chloride	Total Organic Halogens Calculated as Chlorine (by difference)
Field Blank		4/21/92	5	<5	<5	<5
Field Blank		4/23/92	6	5	<5	5
Field Blank		4/27/92	32	<5	<5	<5

Concentrations are in milligrams per kilogram (mg/kg) for soil samples and milligrams per liter (mg/L) for water samples.

ft Feet.

0224

Table 5-10 Summary of Target Compound List Volatile Organic Compounds Detected in Groundwater Samples, Expanded Study Area, Sauget, Illinois

	Shallow Zone			Intermediate Zone			Deep Zone		
Sample Identification	GM-62A	GM-65A	GM-66A	GM-62B	GM-62B-DUP	GM-66B	GM-62C	GM-66C	GM-66C-DUP
Sample Date	6/10/92	6/10/92	6/11/92	6/9/92	6/9/92	6/11/92	6/9/92	6/10/92	6/10/92
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Parameters									
Acetone	--	--	--	--	--	--	--	--	--
Carbon disulfide	--	--	--	4 J	3 J	--	--	--	--
1,1-Dichloroethane	--	--	--	4 J	4 J	31	--	4 J	4 J
1,2-Dichloroethene (total)	--	--	--	2 J	2 J	5 J	--	--	--
2-Butanone (MEK)	--	--	--	--	--	21	--	7 J	--
1,1,1-Trichloroethane	0.8 J	--	--	--	--	--	--	--	--
Benzene	--	660	--	1 J	1 J	12	20	--	--
4-Methyl-2-pentanone	--	5100	--	--	--	--	--	4 J	--
Toluene	--	--	--	--	--	51	--	2 J	2 J
Chlorobenzene	--	--	--	19	19	54	130	--	--
Total VOCs	0.8	5760	--	30	29	174	150	17	6

ug/L Micrograms per liter
J Estimated value
-- Not detected
VOCs Volatile organic compounds

Only those compounds detected are listed

0223

Table 5-10. Summary of Target Compound List Volatile Organic Compounds Detected in Groundwater Samples, Expanded Study Area, Sauget, Illinois

Parameters	Sample Identification	Trip Blank	Trip Blank	Equipment Blank	Equipment Blank
	Sample Date	6/10/92	6/11/92	6/10/92	6/11/92
	Units	ug/L	ug/L	ug/L	ug/L
Acetone		--	17	15 J	--
Carbon disulfide		--	--	--	--
1,1-Dichloroethane		--	--	--	--
1,2-Dichloroethene (total)		--	--	--	--
2-Butanone (MEK)		--	--	--	--
1,1,1-Trichloroethane		--	--	--	--
Benzene		--	--	--	--
4-Methyl-2-pentanone		--	--	--	--
Toluene		--	--	--	--
Chlorobenzene		3 J	--	--	--
Total VOCs		3	17	15	--

ug/L Micrograms per liter.
J Estimated value
-- Not detected
VOCs Volatile organic compounds.

Only those compounds detected are listed

Table 5-11 Summary of Target Compound List Semivolatile Organic Compounds Detected in Groundwater Samples, Expanded Study Area, Sauget, Illinois

	Shallow Zone			Intermediate Zone			Deep Zone	
Sample Identification	GM-62A	GM-65A	GM-66A	GM-62B	GM-62B-DUP	GM-66B	GM-62C	GM-66C
Sample Date	6/10/92	6/10/92	6/11/92	6/9/92	6/9/92	6/11/92	6/9/92	6/10/92
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Parameters								
Aniline	--	41 J	--	30 J	14 J	--	6 J	--
Phenol	--	13000 DJ	5 J	--	--	5 J	--	3 J
2-Chlorophenol	--	2300 J	--	--	--	--	--	1 J
1,3-Dichlorobenzene	--	--	--	--	--	1 J	--	2 J
1,4-Dichlorobenzene	--	--	--	3 J	2 J	8 J	2 J	13 J
1,2-Dichlorobenzene	--	--	--	9 J	1 J	5 J	2 J	7 J
2-Methylphenol	--	--	--	--	--	1 J	--	--
4-Methylphenol	--	280 J	--	--	--	3 J	--	--
2-Chloroaniline	--	220 J	--	--	--	11 J	--	15 J
2,4-Dimethylphenol	--	74 J	--	--	--	--	--	--
2,4-Dichlorophenol	--	530 J	--	1 J	1 J	4 J	2 J	3 J
3-Chloroaniline	--	--	--	16 J	--	--	5 J	--
4-Chloroaniline	--	--	--	19 J	5 J	--	--	--
2,4,6-Trichlorophenol	--	64 J	--	--	0 6 J	2 J	--	1 J
Dimethylphthalate	--	23 J	--	--	--	420 DJ	--	12 J
Diethylphthalate	--	--	--	--	--	--	--	0 3 J
Di-n-butylphthalate	--	--	--	--	--	0 5 J	--	13 J
Fluoranthene	--	--	--	--	--	0 5 J	--	--
Pyrene	--	--	--	--	--	0 4 J	--	--
Butylbenzylphthalate	--	--	--	--	0 2 J	0 5 J	--	--
bis(2-Ethylhexyl)phthalate	3 J	--	6 J	17 J	29 J	14 J	7 J	190 DJ
Di-n-octylphthalate	--	--	--	--	--	--	--	--
Total SVOCs	3	16491	11	95	52 8	475.9	24	260 3

ug/L Micrograms per liter.
J Estimated Value.
E Compound exceeded the calibration range.
D Compound determined at a secondary dilution factor.
-- Not detected.
SVOCs Semivolatile organic compounds.

Only compounds detected are listed.

0221

SEMIE XLS

Table 5-11 Summary of Target Compound List Semivolatile Organic Compounds Detected in Groundwater Samples, Expanded Study Area, Sauget, Illinois

Parameters	-Deep Zone- M-66C-DUP 6/10/92 ug/L	Equipment Blank 6/10/92 ug/L	Equipment Blank 6/11/92 ug/L
Aniline	--	--	--
Phenol	--	--	--
2-Chlorophenol	1 J	--	--
1,3-Dichlorobenzene	1 J	--	--
1,4-Dichlorobenzene	10 J	--	--
1,2-Dichlorobenzene	6 J	--	--
2-Methylphenol	--	--	--
4-Methylphenol	--	--	--
2-Chloroaniline	24 J	--	--
2,4-Dimethylphenol	--	--	--
2,4-Dichlorophenol	3 J	--	--
3-Chloroaniline	--	--	--
4-Chloroaniline	--	--	--
2,4,6-Trichlorophenol	1 J	--	--
Dimethylphthalate	10 J	--	0.3 J
Diethylphthalate	--	--	--
Di-n-butylphthalate	16 J	--	--
Fluoranthene	0.3 J	--	--
Pyrene	0.2 J	--	--
Butylbenzylphthalate	--	--	--
bis(2-Ethylhexyl)phthalate	220 DJ	3 J	0.6 J
Di-n-octylphthalate	0.6 J	--	--
Total SVOCs	293.1	3	0.9

ug/L	Micrograms per liter.
J	Estimated Value.
E	Compound exceeded the calibration range.
D	Compound determined at a secondary dilution factor.
--	Not detected.
SVOCs	Semivolatile organic compounds.

Only compounds detected are listed.

0220

Table 5 12 Summary of Target Compound List Pesticide and PCBs Detected in Groundwater Samples, Expanded Study Area, Sauget, Illinois

	Shallow Zone			Intermediate Zone			Deep Zone				
Sample Location	GM-62A	GM-65A	GM-66A	GM-62B	GM-62B-DUP	GM-66B	GM-62C	GM-66C	GM-66C-DUP	Equipment Blank	Equipment Blank
Sample Date	6/10/92	6/10/92	6/11/92	6/9/92	6/9/92	6/11/92	6/9/92	6/10/92	6/10/92	6/10/92	6/11/92
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Parameter											
4,4'-DDT	--	--	--	--	--	--	--	--	0 12 J	--	--

ug/L Micrograms per liter
-- Not detected

Only those compounds detected are listed No polychlorinated biphenyls (PCBs) were detected

0223

Table 5-13 Summary of Target Analyte List Parameters Detected in Groundwater Samples, Expanded Study Area, Sauget, Illinois

	Shallow Zone			Intermediate Zone			Deep Zone				
Sample Location	GM-62A	GM-65A	GM-66A	GM-62B	GM-62B-DUP	GM-66B	GM-62C	GM-66C	GM-66C-DUP	Equipment Blank	Equipment Blank
Sample Date	6/10/92	6/10/92	6/11/92	6/9/92	6/9/92	6/11/92	6/9/92	6/10/92	6/10/92	6/10/92	6/11/92
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved
Parameter											
Antimony	--	72.3	--	--	--	--	--	--	--	--	--
Arsenic	--	--	27.7	--	--	--	--	--	--	--	--
Barium	170 B	42.4 B	176 B	403	401	96.7 B	84.0 B	206	210	--	--
Calcium	181000	636000	934000	192000	195000	162000	66100	201000	206000	176 B	151 B
Iron	368	576000	13000	22100	22400	37100	3710	29200	28200	--	--
Magnesium	32900	599000	41500	50500	50400	33000	57500	40400	43400	--	--
Manganese	846	20400	3590	1760	1760	1330	19300	1880	2030	--	--
Potassium	5510	71000	33100	10000	10000	12900	19300	8970	10100	--	--
Sodium	37100	494000	64100	106000	106000	77000	67900	34600	37500	--	--
Zinc	--	66.7	87.8	--	--	40.7	--	--	--	--	--

ug/L Micrograms per liter
-- Not detected.
B Analyte detected between the contract required detection limit and the instrument detection limit.

Only those compounds detected are listed.

Site S Data

0231

SAUGET Analytical Data
Site S

SURFACE SOIL SAMPLES
Volatile Organic Compounds (µg/kg)
Collected by IEPA (3/22/95)

Sample Number	X101	X102	X103	X104	X105	X106	Maximum Detected
VOC							
Chloromethane	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	1400	ND	1400
Chloroethane	ND	ND	ND	ND	1200 J	ND	1200 J
Methylene chloride	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	6500	670 J	6500
1,2-Dichloroethene (total)	ND	ND	ND	ND	310 J	550 J	550 J
Chloroform	ND	ND	ND	ND	550 J	ND	550 J
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	7 J	4 J	ND	ND	8100	12000	12000
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	350 J	2800	2800
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	1800	ND	1800
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	ND	4800	4500	93000	ND	93000
2-Hexanone	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	8600	720 J	8600
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	4 J	7800	8100	990000	51000 DJ	990000
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	4500	3300	450000	19000	450000
Styrene	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	3 J	27000	21000	620000	170000 DJ	620000

µg/kg - Micrograms per kilogram.
D - Compound concentration is at a secondary dilution factor.
J - Estimated value.
ND - Not detected.

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0232

SAUGET Analytical Data
Site S

SURFACE SOIL SAMPLES
Base Neutrals/Acids (μg/kg)
Collected by IEPA (3/22/95)

Sample Number	X101	X102	X103	X104	X105	X106	Maximum Detected
BNAs							
Phenol	ND	ND	ND	ND	ND	R	ND
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	R	ND
2-Chlorophenol	ND	ND	ND	ND	ND	R	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	R	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	R	ND
Benzyl Alcohol	ND	ND	ND	ND	ND	R	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	R	ND
2-Methylphenol	ND	ND	ND	ND	ND	R	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	R	ND
4-Methylphenol	ND	ND	ND	ND	ND	R	ND
N-Nitroso-n-Dipropylamine	ND	ND	ND	ND	ND	R	ND
Hexachloroethane	ND	ND	ND	ND	ND	R	ND
Nitrobenzene	ND	ND	ND	ND	ND	R	ND
Isophorone	ND	340 J	ND	ND	ND	R	340 J
2-Nitrophenol	ND	ND	ND	ND	ND	R	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	R	ND
Benzoic Acid	ND	ND	ND	ND	ND	R	ND
bis-(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	R	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	R	ND
1,2,4-Trichlorophenol	ND	ND	ND	ND	ND	R	ND
Naphthalene	ND	82 J	10000 J	3600 J	200000	R	200000
4-Chloroaniline	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	R	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	R	ND
2-Methylnaphthalene	ND	ND	ND	ND	50000 J	R	50000 J
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	R	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	R	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	R	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	R	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND
Dimethyl Phthalate	ND	ND	ND	ND	ND	R	ND
Acenaphthylene	ND	ND	ND	ND	ND	R	ND
3-Nitroaniline	ND	ND	ND	ND	ND	R	ND
Acenaphthene	ND	ND	ND	ND	ND	R	ND

μg/kg - Micrograms per kilogram.
J - Estimated value.
ND - Not detected.
R - Data rejected.

0230

SAUGET Analytical Data
Site S

SURFACE SOIL SAMPLES
Base Neutrals/Acids (µg/kg)
Collected by IEPA (3/22/95)

Sample Number	X101	X102	X103	X104	X105	X106	Maximum Detected
BNAs							
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	R	R	R	ND	R	R	R
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-Phenylether	ND	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	R	R	R	ND	R	R	R
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	110 J	ND	ND	ND	81000 J	81000 J
Anthracene	ND	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND	ND
Di-n-butly phthalate	370 J	ND	ND	ND	230000	1500000 J	1500000 J
Fluoranthene	ND	170 J	ND	ND	ND	ND	170 J
Pyrene	ND	230 J	ND	ND	ND	31000 J	31000 J
Butyl Benzyl phthalate	ND	760 J	4600 J	ND	37000 J	490000 J	490000 J
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND
Benzo (a)anthracene	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate	ND	19000 J	64000 J	12000 J	2200000 J	20000000 J	20000000 J
Chrysene	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	2700 J	ND	ND	310000 J	310000 J
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND
Benzo (a)pyrene	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND

µg/kg - Micrograms per kilogram.
J - Estimated value.
ND - Not detected.
R - Data is unusable.

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SAUGET Analytical Data
Site S

SURFACE SOIL SAMPLES
Pesticides/PCBs/Herbicides (µg/kg)
Collected by IEPA (3/22/95)

	Sample Number	X101	X102	X103	X104	X105	X106	Maximum Detected
Pesticides/PCBs								
Alpha-BHC		ND	ND	ND	ND	ND	ND	ND
Beta-BHC		ND	11 P	ND	ND	13 JP	ND	13 JP
Delta-BHC		ND	ND	ND	ND	ND	ND	ND
Gamma-BHC (Lindane)		ND	ND	ND	ND	ND	ND	ND
Heptachlor		ND	ND	ND	ND	ND	ND	ND
Aldrin		ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide		ND	ND	ND	ND	ND	ND	ND
Endosulfan I		ND	8.1 P	1.4 JP	0.44 JP	26 P	ND	26 P
Dieldrin		0.1 JP	ND	4.8 P	0.9 JP	ND	ND	4.8 P
4,4'-DDE		ND	ND	ND	ND	ND	ND	ND
Endrin		0.9 JP	ND	24 P	5.7	ND	ND	24 P
Endosulfan II		ND	ND	ND	ND	120 P	ND	120 P
4,4'-DDD		1 JP	ND	ND	1.8 JP	ND	ND	1.8 JP
Endosulfan sulfate		0.77 JP	ND	ND	ND	7.8 JP	ND	7.8 JP
4,4'-DDT		2.6 JP	ND	ND	ND	ND	ND	2.6 JP
Methoxychlor		ND	ND	ND	ND	ND	ND	ND
Endrin Ketone		ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde		ND	ND	2.7 JP	ND	ND	ND	2.7 JP
alpha-Chlordane		ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane		0.24 JP	31 P	1.5 JP	0.35 JP	35 P	ND	35 P
Toxaphene		ND	ND	ND	ND	ND	ND	ND
Aroclor-1016		ND	ND	ND	ND	ND	ND	ND
Aroclor-1221		ND	ND	ND	ND	ND	ND	ND
Aroclor-1232		ND	ND	ND	ND	ND	ND	ND
Aroclor-1242		ND	ND	ND	ND	ND	ND	ND
Aroclor-1248		16 JP	1300	420	74 P	4200 PC	85000 PC	85000 PC
Aroclor-1254		ND	3300	230	45	6800 C	69000 C	69000 C
Aroclor-1260		27 J	1900 P	160	56 P	4000 PC	41000 PC	41000 PC

µg/kg - Micrograms per kilogram.
C - Result confirmed by GC/MS.
J - Estimated value.
P - Greater than 25% difference exists for the detected concentrations between the two GC columns. The lower of the results is reported.
ND - Not detected.

0231

SAUGET Analytical Data
Site S

SURFACE SOIL SAMPLES
Total Metals (mg/kg)
Collected by IEPA (3/22/95)

Sample Number	X101	X102	X103	X104	X105	X106	Maximum Detected
Total Metals							
Aluminum	6420	6700	8540	9390	6710	327	9390
Antimony	ND	ND	ND	ND	ND	ND	ND
Arsenic	4.3	4	5.1	5	5.2 S	0.76 BW	5.2 S
Barium	150	116	179	193	137	34.5	193
Beryllium	0.47 B	0.41 B	0.68 B	0.62 B	0.4 B	ND	0.68
Cadmium	2.1	12.1	1.5	1	2.7	4	
Calcium	15400	12500	10500	10400	32500	9270	32500
Chromium	11.4	56.9	15.3	14.1	52.1	98	98
Cobalt	7.3 B	10.2	7.1 B	6.7 B	8.6	20.5	20.5
Copper	11.4	31.8	20.7	15.6	48	139	139
Iron	12300	12000	16800	15200	10800	888	16800
Lead	13.4	324	44	30.2	242	392	392
Magnesium	5670	5730	4570	5540	4650	1180	5730
Manganese	305	273	312	381	283	24.9	381
Mercury	ND	0.36	0.05 B	0.04 B	1.1	3.5	3.5
Nickel	18.9	17.7	18.6	18.3	11.9	5 B	18.9
Potassium	1350	867 B	1400	1560	1050	ND	1560
Selenium	ND	ND	ND	ND	ND	1.5 BN	1.5 BN
Silver	ND	ND	ND	ND	ND	ND	ND
Sodium	118 B	102 B	183 B	169 B	90.2 B	ND	183 B
Thallium	ND	ND	ND	ND	ND	ND	ND
Vanadium	20.6 B	22.4	23.1	25.5	18.3	2.3 B	25.5
Zinc	79.7	327	109	83.3	162	283	327
Cyanide	ND	1	ND	ND	ND	ND	1

mg/kg - Milligrams per kilogram.
B - Estimated value. The value is less than the CRDL, but greater than the instrument detection limit.
N - Laboratory spike recoveries were outside QC protocols.
ND - Not detected.
S - Analysis performed using the method of standard additions.
W - Laboratory post-digestion spike for furnace AA analysis exceeds QC limits.

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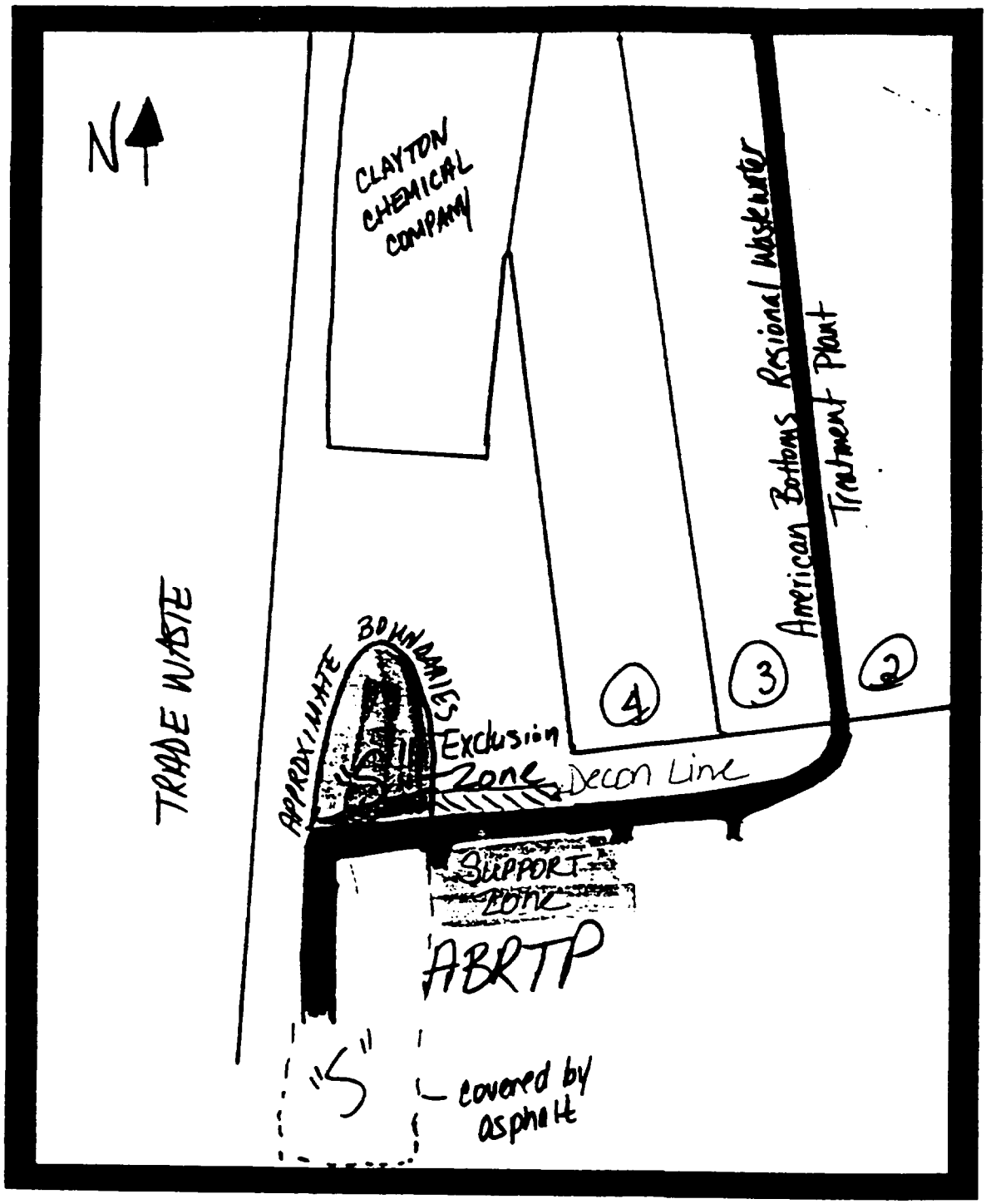

Source: IEPA, 1994. Base Map: Ecology and Environment, 1986.

FIGURE 2-9

SITE S - FEATURES

Scale: 1:300

CERCLA Expanded Site Inspection - Sauget Area 2

0237

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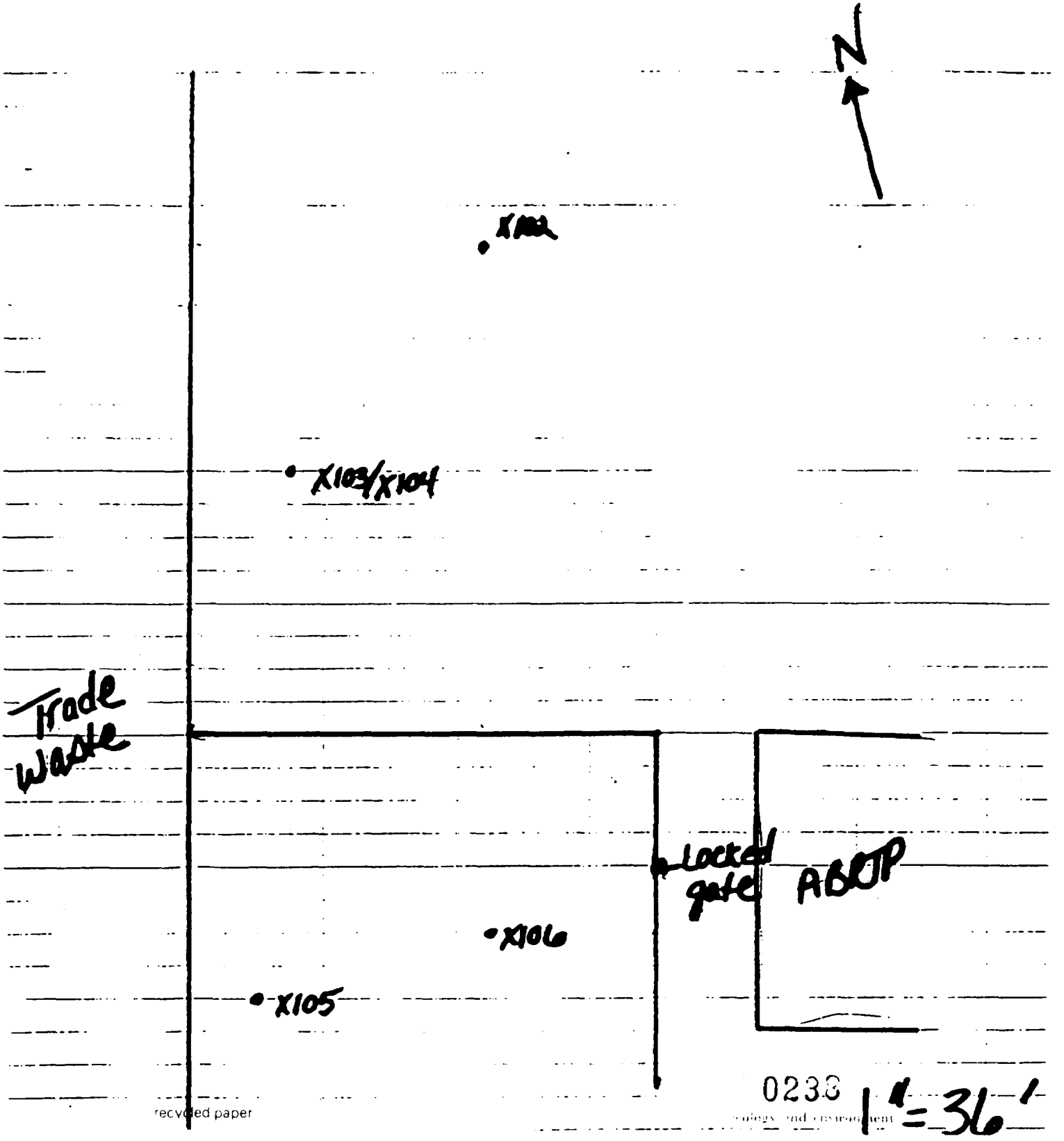
STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

Subject Sunset Site 5
Data Sampling Map - 3/22/95
Reviewed by K. Hubbert Date



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OVERSIZED SITE MAP(S)			

GM-7

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AREA 2 GROUNDWATER SAMPLING LOCATIONS/DATA

SAUGET Analytical Data
Site Area 2 Private Wells

GROUND WATER SAMPLES
Volatile Organic Compounds (μg/L)
Collected by Ecology & Environment, Inc. (3/87)

	Sample Number	DC-GW-56	Maximum
	Well Number	CLAYTON	Concentration
	Date Collected	03/26/87	Detected
VOC			
Chloromethane		ND	ND
Bromomethane		ND	ND
Vinyl chloride		17	17
Chloroethane		10	10
Methylene chloride		ND	ND
Acetone		5 J	5 J
Carbon Disulfide		ND	ND
1,1-Dichloroethene		ND	ND
1,1-Dichloroethane		ND	ND
trans-1,2-Dichloroethene		6	6
Chloroform		ND	ND
1,2-Dichloroethane		ND	ND
2-Butanone (MEK)		ND	ND
1,1,1-Trichloroethane		ND	ND
Carbon Tetrachloride		ND	ND
Vinyl Acetate		ND	ND
Bromodichloromethane		ND	ND
1,2-Dichloropropane		ND	ND
trans-1,3-Dichloropropene		ND	ND
Trichloroethene		ND	ND
Dibromochloromethane		ND	ND
1,1,2-Trichloroethane		ND	ND
Benzene		94	94
cis-1,3-Dichloropropene		ND	ND
2-Chloroethyl Vinyl Ether		ND	ND
Bromoform		ND	ND
4-Methyl-2-pentanone		9 J	9 J
2-Hexanone		ND	ND
Tetrachloroethene		ND	ND
1,1,2,2-Tetrachloroethane		ND	ND
Toluene		5	5
Chlorobenzene		120	120
Ethylbenzene		1 J	1 J
Styrene		ND	ND
Total Xylenes		ND	ND

μg/L - Micrograms per liter
J - Estimated value
ND - Not detected

Scanned paper

SAUGET Analytical Data
Site Area 2 Private Wells

GROUND WATER SAMPLES
Base Neutrals/Acids (μg/L)
Collected by Ecology & Environment, Inc. (3/87)

	Sample Number	DC-GW-56	Maximum
	Well Number	CLAYTON	Concentration
	Date Collected	03/26/87	Detected
BNAs			
Phenol		ND	ND
bis(2-Chloroethyl)ether		ND	ND
2-Chlorophenol		ND	ND
1,3-Dichlorobenzene		ND	ND
1,4-Dichlorobenzene		5 J	5 J
Benzyl Alcohol		ND	ND
1,2-Dichlorobenzene		3 J	3 J
2-Methylphenol		ND	ND
bis(2-Chloroisopropyl)ether		ND	ND
4-Methylphenol		ND	ND
N-Nitroso-n-Dipropylamine		ND	ND
Hexachloroethane		ND	ND
Nitrobenzene		ND	ND
Isophorone		ND	ND
2-Nitrophenol		ND	ND
2,4-Dichlorophenol		ND	ND
Benzoic Acid		ND	ND
bis-(2-Chloroethoxy)methane		ND	ND
2,4-Dichlorophenol		ND	ND
1,2,4-Trichlorophenol		ND	ND
Naphthalene		ND	ND
4-Chloroaniline		ND	ND
Hexachlorobutadiene		ND	ND
4-Chloro-3-methylphenol		ND	ND
2-Methylnaphathalene		ND	ND
Hexachlorocyclopentadiene		ND	ND
2,4,6-Trichlorophenol		ND	ND
2,4,5-Trichlorophenol		ND	ND
2-Chloronaphthalene		ND	ND
2-Nitroaniline		ND	ND
Dimethyl Phthalate		ND	ND
Acenaphthylene		ND	ND
3-Nitroaniline		ND	ND
Acenaphthene		ND	ND

μg/L - Micrograms per liter
J - Estimated value
ND - Not detected

SAUGET Analytical Data
Site Area 2 Private Wells

GROUND WATER SAMPLES
Base Neutrals/Acids (μg/L)
Collected by Ecology & Environment, Inc. (3/87)

	Sample Number	DC-GW-56	Maximum
	Well Number	CLAYTON	Concentration
	Date Collected	03/26/87	Detected
BNAs			
2,4-Dinitrophenol		ND	ND
4-Nitrophenol		ND	ND
Dibenzofuran		ND	ND
2,4-Dinitrotoluene		ND	ND
2,6-Dinitrotoluene		ND	ND
Diethylphthalate		ND	ND
4-Chlorophenyl-Phenylether		ND	ND
Fluorene		ND	ND
4-Nitroaniline		ND	ND
4,6-Dinitro-2-methylphenol		ND	ND
N-Nitrosodiphenylamine		ND	ND
4-Bromophenyl-phenylether		ND	ND
Hexachlorobenzene		ND	ND
Pentachlorophenol		ND	ND
Phenanthrene		ND	ND
Anthracene		ND	ND
Di-n-butly phthalate		ND	ND
Fluoranthene		ND	ND
Pyrene		ND	ND
Butyl Benzyl phthalate		ND	ND
3,3'-Dichlorobenzidine		ND	ND
Benzo (a)anthracene		ND	ND
bis(2-ethylhexyl)phthalate		ND	ND
Chrysene		ND	ND
Di-n-octyl phthalate		6 J	6 J
Benzo(b)fluoranthene		ND	ND
Benzo(k)fluoranthene		ND	ND
Benzo (a)pyrene		ND	ND
Indeno(1,2,3-cd)pyrene		ND	ND
Benzo(g,h,i)perylene		ND	ND
Dibenzo(a,h)anthracene		ND	ND

μg/L - Micrograms per liter
J - Estimated value
ND - Not detected

SAUGET Analytical Data
Site Area 2 Private Wells

GROUND WATER SAMPLES
Pesticides/PCBs (µg/L)
Collected by Ecology & Environment, Inc. (3/87)

	Sample Number	DC-GW-56	Maximum
	Well Number	CLAYTON	Concentration
	Date Collected	03/26/87	Detected
Pesticides/PCBs			
Alpha-BHC		ND	ND
Beta-BHC		ND	ND
Delta-BHC		ND	ND
Gamma-BHC (Lindane)		ND	ND
Heptachlor		ND	ND
Aldrin		ND	ND
Heptachlor Epoxide		ND	ND
Endosulfan I		ND	ND
Dieldrin		ND	ND
4,4'-DDE		ND	ND
Endrin		ND	ND
Endosulfan II		ND	ND
4,4'-DDD		ND	ND
Endosulfan sulfate		ND	ND
4,4'-DDT		ND	ND
Methoxychlor		ND	ND
Endrin Ketone		ND	ND
Chlordane		ND	ND
Toxaphene		ND	ND
Aroclor-1016		ND	ND
Aroclor-1221		ND	ND
Aroclor-1232		ND	ND
Aroclor-1242		ND	ND
Aroclor-1248		ND	ND
Aroclor-1254		ND	ND
Aroclor-1260		ND	ND

µg/L - Micrograms per liter
ND - Not detected

0242

SAUGET Analytical Data

Site Area 2 Private Wells

GROUND WATER SAMPLES

Total Metals (µg/L)

Collected by Ecology & Environment, Inc. (3/87)

	Sample Number	DC-GW-56	Maximum
	Well Number	CLAYTON	Concentration
	Date Collected	03/26/87	Detected
Total Metals			
Aluminum		ND	ND
Antimony		ND	ND
Arsenic		ND	ND
Barium		300	300
Beryllium		ND	ND
Boron		ND	ND
Cadmium		ND	ND
Chromium		ND	ND
Cobalt		ND	ND
Copper		ND	ND
Iron		17400	17400
Lead		ND	ND
Manganese		1950	1950
Mercury		ND	ND
Nickel		ND	ND
Selenium		ND	ND
Silver		ND	ND
Thallium		ND	ND
Tin		ND	ND
Vanadium		ND	ND
Zinc		ND	ND
Cyanide		ND	ND

µg/L - Micrograms per liter
ND - Not detected

NON-RESPONSIVE

FIGURE 3-15 PRIVATE WELL SAMPLING LOCATIONS

SAUGET Analytical Data
Site Q

GROUND WATER SAMPLES
Volatile Organic Compounds (µg/L)
Collected by Ecology & Environment, Inc. (3/87)

Sample Number	DC-GW-01	DC-GW-02	DC-GW-03	DC-GW-04	DC-GW-05	DC-GW-06	DC-GW-07	DC-GW-08	DC-GW-09	Maximum
Well Number	EE-06	EE-07	EE-09	EE-10	EE-17	EE-08	EE-19	EE-19	EE-18	Concentration
Date Collected	03/16/87	03/16/87	03/16/87	03/16/87	03/16/87	3/16/87	3/16/87	3/16/87	3/16/87	Detected
VOC										
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ND	ND	ND	ND	ND	ND	23 J	61 J	2200 BJ	2200 BJ
Acetone	15	9 BJ	10 B	14 B	12 B	13 B	400 B	210 B	7100 B	7100 BJ
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	1 J	ND	ND	4 J	ND	ND	ND	ND	4 J
Chloroform	ND	ND	ND	ND	1 J	ND	ND	ND	ND	1 J
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	3000	3000
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	2 J	ND	ND	ND	ND	2 J
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	9	24	1 J	14	1 J	1 J	2000	2000	2000 J	2000 J
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND	250	290	2700 J	2700 J
2-Hexanone	ND	5 J	ND	ND	ND	ND	ND	ND	3500 J	3500 J
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	4 J	ND	ND	ND	ND	450	410	1600 J	1600 J
Chlorobenzene	14	1 J	33	380 E	29	7	1500	1400	6700 J	6700 J
Ethylbenzene	ND	1 J	ND	ND	ND	ND	33 J	28 J	ND	33 J
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	2	230	ND	ND	ND	ND	180	160	ND	230

µg/L - Micrograms per liter.
B - Compound detected in blank sample.
J - Estimated value.
ND - Not detected.

Filename: Gwsiteq.xls - Table: GW VOCs

Hazardous Waste Grants

0 4 2 1

SAUGET Analytical Data
Site Q

GROUND WATER SAMPLES
Base Neutrals/Acids (μg/L)
Collected by Ecology & Environment, Inc. (3/87)

	Sample Number	DC-GW-01	DC-GW-02	DC-GW-03	DC-GW-04	DC-GW-05	DC-GW-06	DC-GW-07	DC-GW-08	DC-GW-09	Maximum
	Sample Depth (ft)	EE-06	EE-07	EE-09	EE-10	EE-17	EE-08	EE-19	EE-19	EE-18	Concentration
	Date Collected	03/16/87	03/16/87	03/16/87	03/16/87	03/16/87	03/16/87	03/16/87	03/16/87	03/16/87	Detected
BNAs											
Phenol		ND	ND	ND	ND	ND	ND	110000 E	190000 E	6100 E	190000 E
bis(2-Chloroethyl)ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol		ND	ND	ND	4 J	ND	ND	20000 E	33000 E	2600	33000 E
1,3-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		ND	ND	ND	4	ND	ND	220 J	250	70 J	250
Benzyl Alcohol		ND	ND	ND	ND	ND	ND	460	490	180	490
1,2-Dichlorobenzene		ND	ND	ND	ND	ND	ND	260	300	2000	2000
2-Methylphenol		ND	ND	ND	ND	ND	ND	190 J	350	10 J	350
bis(2-Chloroisopropyl)ether		ND	3 J	ND	ND	ND	ND	ND	ND	ND	3
4-Methylphenol		ND	ND	ND	ND	ND	ND	14000 E	23000 E	850	23000 E
N-Nitroso-n-Dipropylamine		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene		ND	ND	ND	ND	ND	ND	ND	100 J	820	820
Isophorone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol		ND	5 J	ND	ND	ND	ND	ND	2800	62	2800
Benzoic Acid		ND	10 J	ND	ND	ND	ND	ND	ND	600	600
bis-(2-Chloroethoxy)methane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol		ND	ND	ND	ND	ND	ND	1900 E	14000 E	7600 E	14000 E
1,2,4-Trichlorophenol		ND	ND	ND	ND	ND	ND	ND	ND	390	390
Naphthalene		ND	ND	ND	ND	ND	ND	41 J	42 J	70	70
4-Chloroaniline		120	ND	ND	ND	ND	ND	14000 E	15000 E	4400	15000 E
Hexachlorobutadiene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol		ND	ND	ND	ND	ND	ND	4100	6000	1800	6000
2,4,5-Trichlorophenol		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline		ND	ND	ND	ND	ND	ND	1700	1800	2000	2000
Dimethyl Phthalate		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene		ND	ND	ND	ND	ND	ND	3900	ND	460 J	3900
3-Nitroaniline		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

μg/L - Micrograms per liter.
B - Compound detected in blank sample.
E - Estimated value. Concentration detected exceeds the calibrated range.
J - Estimated value.
ND - Not Detecte

SAUGET Analytical Data
Site Q

GROUND WATER SAMPLES
Base Neutrals/Acids (μg/L)
Collected by Ecology & Environment, Inc. (3/87)

Sample Number	DC-GW-01	DC-GW-02	DC-GW-03	DC-GW-04	DC-GW-05	DC-GW-06	DC-GW-07	DC-GW-08	DC-GW-09	Maximum
Sample Depth (ft)	EE-06	EE-07	EE-09	EE-10	EE-17	EE-08	EE-19	EE-19	EE-18	Concentration
Date Collected	03/16/87	03/16/87	03/16/87	03/16/87	03/16/87	03/16/87	03/16/87	03/16/87	03/16/87	Detected
BNAs										
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	80 J	80 J
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-Phenylether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND	24000 E	35000 E	310	35000 E
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butly phthalate	12 BJ	8 BJ	5 BJ	8 BJ	5 BJ	5 BJ	ND	ND	ND	12
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl Benzyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate	95	160	32	ND	26	ND	ND	ND	ND	160
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	7 J	4 J	ND	ND	2 J	ND	ND	ND	7 J
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

μg/L - Micrograms per liter.
B - Compound detected in blank sample.
E - Estimated value. Concentration detected exceeds the calibrated range.
J - Estimated value.
ND - Not Detected.

0241

SAUGET Analytical Data
Site Q

GROUND WATER SAMPLES
Pesticides/PCBs (μg/L)
Collected by Ecology & Environment, Inc. (3/87)

	Sample Number	DC-GW-01	DC-GW-02	DC-GW-03	DC-GW-04	DC-GW-05	DC-GW-06	DC-GW-07	DC-GW-08	DC-GW-09	Maximum
	Sample Depth (ft)	EE-06	EE-07	EE-09	EE-10	EE-17	EE-08	EE-19	EE-19	EE-18	Concentration
	Date Collected	03/16/87	03/16/87	03/16/87	03/16/87	03/16/87	03/16/87	03/16/87	03/16/87	03/16/87	Detected
Pesticides/PCBs											
Alpha-BHC		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delta-BHC		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gamma-BHC (Lindane)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1016		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

μg/L - Micrograms per liter.
ND - Not Detected.

0240

SAUGET Analytical Data
Site Q

GROUND WATER SAMPLES
Total Metals (μg/L)
Collected by Ecology & Environment, Inc. (3/87)

	Sample Number	DC-GW-01	DC-GW-02	DC-GW-03	DC-GW-04	DC-GW-05	DC-GW-06	DC-GW-07	DC-GW-08	DC-GW-09	Maximum
	Sample Depth (ft)	EE-06	EE-07	EE-09	EE-10	EE-17	EE-08	EE-19	EE-19	EE-18	Concentration
	Date Collected	03/16/87	03/16/87	03/16/87	03/16/87	03/16/87	03/16/87	03/16/87	03/16/87	03/16/87	Detected
Total Metals											
Aluminum		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic		**64**	**82**	**18**	**100**	ND	ND	**11**	**11**	**15**	**100**
Barium		**384**	**482**	ND	**358**	ND	**336**	ND	ND	ND	**482**
Beryllium		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium		ND	ND	ND	ND	ND	ND	ND	ND	**13**	**13**
Cobalt		ND	ND	ND	ND	ND	ND	ND	ND	**148**	**148**
Copper		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron		**8960**	**54000**	**15800**	**20000**	**571**	**11300**	**36700**	**36500**	**41200**	**54000**
Lead		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese		**1320**	**1600**	**522**	**1090**	**1640**	**13200**	**2660**	**2600**	**6630**	**13200**
Mercury		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel		**64**	**74**	ND	ND	ND	ND	ND	ND	**112**	**112**
Selenium		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tin		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc		**25**	**326**	**26**	**22**	**313**	**48**	**172**	**171**	**4.31**	**326**
Cyanide		**1560**	ND	ND	ND	ND	ND	ND	ND	ND	**1560**

μg/L - Micrograms per liter.
ND - Not Detected.

SAUGET Analytical Data
Site O

GROUND WATER SAMPLES
Volatile Organic Compounds (µg/L)
Collected by Ecology & Environment, Inc. (3/87, 7/87)

Sample Number	DC-GW-38	DC-GW-38A	DC-GW-39	DC-GW-39A	DC-GW-40	DC-GW-40A	DC-GW-41	DC-GW-41A	DC-GW-42	DC-GW-43
Well Number	EE-21	EE-21	EE-22	EE-22	EE-23	EE-23	EE-24	EE-24	EE-24	EE-25
Date Collected	03/24/87	07/14/87	03/24/87	07/14/87	03/24/87	7/14/87	3/24/87	7/14/87	3/24/87	3/24/87
VOC										
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ND	ND	52000	31000	ND	ND	ND	ND	310	ND
Acetone	7 J	ND	38000 B	34000	6 J	ND	10	ND	430	5 J
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	1700	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	14000	ND	ND	ND	ND	94 J	ND
Chloroform	ND	ND	3000 J	1800	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	4000 J	2600	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	ND	13 B	62000	54000 E	ND	11 B	ND	ND	570	ND
1,1,1-Trichloroethane	ND	ND	7800	5000	ND	ND	ND	ND	43 J	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	83000	64000 E	ND	ND	ND	ND	1000	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	190000	150000 E	ND	ND	10	20	1800	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	ND	38000	28000	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	10000	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	12000	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	15000	1300	ND	17	1 J	ND	130	ND
Chlorobenzene	ND	ND	150000	180000 E	ND	ND	5	8	1000	ND
Ethylbenzene	ND	ND	ND	860	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	4600 J	2600	ND	ND	2 J	ND	27 J	ND

µg/L - Micrograms per liter.
B - Compound detected in blank sample.
E - Estimated value. Concentration detected exceeds the calibrated range
J - Estimated value.
ND - Not detected.

SAUGET Analytical Data
Site Q

GROUND WATER SAMPLES
Volatile Organic Compounds (µg/L)
Collected by Ecology & Environment, Inc. (3/87, 7/87)

	Sample Number	DC-GW-43A	DC-GW-35	DC-GW-57	Maximum
	Well Number	EE-25	NA	NA	Concentration
	Date Collected	07/14/87	03/24/87	07/14/87	Detected
VOC			BLANK	BLANK	
Chloromethane		ND	ND	ND	ND
Bromomethane		ND	ND	ND	ND
Vinyl chloride		ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND
Methylene chloride		ND	2 J	ND	52000
Acetone		ND	13 B	ND	38000 B
Carbon Disulfide		ND	ND	ND	ND
1,1-Dichloroethene		ND	ND	ND	ND
1,1-Dichloroethane		ND	ND	ND	1700
trans-1,2-Dichloroethene		ND	ND	ND	14000
Chloroform		ND	1 J	ND	3000 J
1,2-Dichloroethane		ND	ND	ND	4000 J
2-Butanone (MEK)		5 BJ	ND	ND	62000
1,1,1-Trichloroethane		ND	ND	ND	7800
Carbon Tetrachloride		ND	ND	ND	ND
Vinyl Acetate		ND	ND	ND	ND
Bromodichloromethane		ND	ND	ND	ND
1,2-Dichloropropane		ND	ND	ND	ND
trans-1,3-Dichloropropene		ND	ND	ND	ND
Trichloroethene		ND	ND	ND	83000
Dibromochloromethane		ND	ND	ND	ND
1,1,2-Trichloroethane		ND	ND	ND	ND
Benzene		ND	ND	ND	190000
cis-1,3-Dichloropropene		ND	ND	ND	ND
2-Chloroethyl Vinyl Ether		ND	ND	ND	ND
Bromoform		ND	ND	ND	ND
4-Methyl-2-pentanone		ND	ND	ND	38000
2-Hexanone		ND	ND	ND	ND
Tetrachloroethene		ND	ND	ND	10000
1,1,2,2-Tetrachloroethane		ND	ND	ND	12000
Toluene		ND	ND	ND	15000
Chlorobenzene		ND	ND	ND	180000 E
Ethylbenzene		ND	ND	ND	860
Styrene		ND	ND	ND	ND
Total Xylenes		ND	ND	ND	4600 J

µg/L - Micrograms per liter.
B - Compound detected in blank sample.
E - Estimated value. Concentration detected exceeds the calibrated range.
J - Estimated value.
ND - Not detected

SAUGET Analytical Data
Site O

GROUND WATER SAMPLES
Base Neutrals/Acids (µg/L)
Collected by Ecology & Environment, Inc. (3/87, 7/87)

Sample Number	DC-GW-38	DC-GW-38A	DC-GW-39	DC-GW-39A	DC-GW-40	DC-GW-40A	DC-GW-41	DC-GW-41A	DC-GW-42	DC-GW-43
Well Number	EE-21	EE-21	EE-22	EE-22	EE-23	EE-23	EE-24	EE-24	EE-24	EE-25
Date Collected	03/24/87	07/14/87	03/24/87	07/14/87	03/24/87	07/14/87	03/24/87	07/14/87	03/24/87	03/24/87
BNAs										
Phenol	ND	ND	500	1100	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	ND	ND	ND	91 J	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	120	58 J	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	320	290	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	10000 E	15000 E	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	7800	11000 E	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	78 J	120	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	ND	ND	820	1100	ND	ND	ND	ND	ND	ND
N-Nitroso-n-Dipropylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	350	400	ND	ND	ND	ND	ND	ND
Benzoic Acid	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis-(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	30 J	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	270	200	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	160	100	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	780	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	6 J	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl Phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

µg/L - Micrograms per liter.
B - Compound detected in blank sample.
E - Estimated value. Concentration detected exceeds the calibrated range.
J - Estimated value.
ND - Not detected.

Filename: Gwsiteo.xls - Table: GW SVOCs

SAUGET Analytical Data
Site O

GROUND WATER SAMPLES
Base Neutrals/Acids (μg/L)
Collected by Ecology & Environment, Inc. (3/87, 7/87)

2,234

Sample Number	DC-GW-38	DC-GW-38A	DC-GW-39	DC-GW-39A	DC-GW-40	DC-GW-40A	DC-GW-41	DC-GW-41A	DC-GW-42	DC-GW-43
Well Number	EE-21	EE-21	EE-22	EE-22	EE-23	EE-23	EE-24	EE-24	EE-24	EE-25
Date Collected	03/24/87	07/14/87	03/24/87	07/14/87	03/24/87	07/14/87	03/24/87	07/14/87	03/24/87	03/24/87
BNAs										
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-Phenylether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	23 J	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butly phthalate	ND	ND	ND	ND	ND	ND	10 B	7 J	10 B	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl Benzyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	3 BJ	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	2 BJ	ND	11 B	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

μg/L - Micrograms per liter.

B - Compound detected in blank sample.

E - Estimated value. Concentration detected exceeds the calibrated range.

J - Estimated value.

ND - Not detected.

SAUGET Analytical Data
Site O

GROUND WATER SAMPLES
Base Neutrals/Acids (µg/L)
Collected by Ecology & Environment, Inc. (3/87, 7/87)

	Sample Number	DC-GW-43A	DC-GW-35	DC-GW-57	Maximum
	Well Number	EE-25	NA	NA	Concentration
	Date Collected	07/14/87	03/24/87	07/14/87	Detected
BNAs			BLANK	BLANK	
Phenol		ND	ND	ND	1100
bis(2-Chloroethyl)ether		ND	ND	ND	91 J
2-Chlorophenol		ND	ND	ND	120
1,3-Dichlorobenzene		ND	ND	ND	320
1,4-Dichlorobenzene		ND	ND	ND	15000 E
Benzyl Alcohol		ND	ND	ND	ND
1,2-Dichlorobenzene		ND	ND	ND	11000 E
2-Methylphenol		ND	ND	ND	120
bis(2-Chloroisopropyl)ether		ND	ND	ND	ND
4-Methylphenol		ND	ND	ND	1100
N-Nitroso-n-Dipropylamine		ND	ND	ND	ND
Hexachloroethane		ND	ND	ND	ND
Nitrobenzene		ND	ND	ND	ND
Isophorone		ND	ND	ND	ND
2-Nitrophenol		ND	ND	ND	ND
2,4-Dichlorophenol ← PREVIOUS PAGE LISTS THIS		ND	ND	ND	400
Benzoic Acid 2,4-DIMETHYL PHENOL		ND	ND	ND	ND
bis-(2-Chloroethoxy)methane		ND	ND	ND	ND
2,4-Dichlorophenol		ND	ND	ND	30 J
1,2,4-Trichlorophenol — PREVIOUS PAGE LISTS THIS		ND	ND	ND	270
Naphthalene 1,2,4 TRICHLORO BENZENE		ND	ND	ND	160
4-Chloroaniline		ND	ND	ND	780
Hexachlorobutadiene		ND	ND	ND	ND
4-Chloro-3-methylphenol		ND	ND	ND	ND
2-Methylnaphathalene		ND	ND	ND	6 J
Hexachlorocyclopentadiene		ND	ND	ND	ND
2,4,6-Trichlorophenol		ND	ND	ND	ND
2,4,5-Trichlorophenol		ND	ND	ND	ND
2-Chloronaphthalene		ND	ND	ND	ND
2-Nitroaniline		ND	ND	ND	ND
Dimethyl Phthalate		ND	ND	ND	ND
Acenaphthylene		ND	ND	ND	ND
3-Nitroaniline		ND	ND	ND	ND
Acenaphthene		ND	ND	ND	ND

µg/L - Micrograms per liter.

B - Compound detected in blank sample.

E - Estimated value. Concentration detected exceeds the calibrated range.

J - Estimated value.

ND - Not detected.

SAUGET Analytical Data
Site O

GROUND WATER SAMPLES
Base Neutrals/Acids (μg/L)
Collected by Ecology & Environment, Inc. (3/87, 7/87)

Sample Number		DC-GW-43A	DC-GW-35	DC-GW-57	Maximum
Well Number		EE-25	NA	NA	Concentration
Date Collected		07/14/87	03/24/87	07/14/87	Detected
BNAs			BLANK	BLANK	
2,4-Dinitrophenol		ND	ND	ND	ND
4-Nitrophenol		ND	ND	ND	ND
Dibenzofuran		ND	ND	ND	ND
2,4-Dinitrotoluene		ND	ND	ND	ND
2,6-Dinitrotoluene		ND	ND	ND	ND
Diethylphthalate		ND	ND	ND	ND
4-Chlorophenyl-Phenylether		ND	ND	ND	ND
Fluorene		ND	ND	ND	ND
4-Nitroaniline		ND	ND	ND	ND
4,6-Dinitro-2-methylphenol		ND	ND	ND	ND
N-Nitrosodiphenylamine		ND	ND	ND	ND
4-Bromophenyl-phenylether		ND	ND	ND	ND
Hexachlorobenzene		ND	ND	ND	ND
Pentachlorophenol		ND	ND	ND	23 J
Phenanthrene		ND	ND	ND	ND
Anthracene		ND	ND	ND	ND
Di-n-butly phthalate		ND	6 BJ	ND	10 B
Fluoranthene		ND	ND	ND	ND
Pyrene		ND	ND	ND	ND
Butyl Benzyl phthalate		ND	ND	ND	ND
3,3'-Dichlorobenzidine		ND	ND	ND	ND
Benzo (a)anthracene		ND	ND	ND	ND
bis(2-ethylhexyl)phthalate		ND	2 BJ	ND	3 BJ
Chrysene		ND	ND	ND	ND
Di-n-octyl phthalate		ND	3 BJ	ND	11 B
Benzo(b)fluoranthene		ND	ND	ND	ND
Benzo(k)fluoranthene		ND	ND	ND	ND
Benzo (a)pyrene		ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene		ND	ND	ND	ND
Benzo(g,h,i)perylene		ND	ND	ND	ND
Dibenzo(a,h)anthracene		ND	ND	ND	ND

μg/L - Micrograms per liter.
B - Compound detected in blank sample.
E - Estimated value. Concentration detected exceeds the calibrated range.
J - Estimated value.
ND - Not detected.

0231

SAUGET Analytical Data
Site O

GROUND WATER SAMPLES
Pesticides/PCBs (μg/L)
Collected by Ecology & Environment, Inc. (3/87, 7/87)

	Sample Number	DC-GW-38	DC-GW-38A	DC-GW-39	DC-GW-39A	DC-GW-40	DC-GW-40A	DC-GW-41	DC-GW-41A	DC-GW-42	DC-GW-43
	Well Number	EE-21	EE-21	EE-22	EE-22	EE-23	EE-23	EE-24	EE-24	EE-24	EE-25
	Date Collected	03/24/87	07/14/87	03/24/87	07/14/87	03/24/87	07/14/87	03/24/87	07/14/87	03/24/87	03/24/87
Pesticides/PCBs											
Alpha-BHC		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delta-BHC		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gamma-BHC (Lindane)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1016		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

μg/L - Micrograms per liter.
ND - Not detected.

Hydrogeologic Data Analysis

0250

SAUGET Analytical Data
Site O

GROUND WATER SAMPLES
Pesticides/PCBs (μg/L)
Collected by Ecology & Environment, Inc. (3/87, 7/87)

	Sample Number	DC-GW-43A	DC-GW-35	DC-GW-57	Maximum
	Well Number	EE-25	NA	NA	Concentration
	Date Collected	07/14/87	03/24/87	07/14/87	Detected
Pesticides/PCBs			BLANK	BLANK	
Alpha-BHC		ND	ND	ND	ND
Beta-BHC		ND	ND	ND	ND
Delta-BHC		ND	ND	ND	ND
Gamma-BHC (Lindane)		ND	ND	ND	ND
Heptachlor		ND	ND	ND	ND
Aldrin		ND	ND	ND	ND
Heptachlor Epoxide		ND	ND	ND	ND
Endosulfan I		ND	ND	ND	ND
Dieldrin		ND	ND	ND	ND
4,4'-DDE		ND	ND	ND	ND
Endrin		ND	ND	ND	ND
Endosulfan II		ND	ND	ND	ND
4,4'-DDD		ND	ND	ND	ND
Endosulfan sulfate		ND	ND	ND	ND
4,4'-DDT		ND	ND	ND	ND
Methoxychlor		ND	ND	ND	ND
Endrin Ketone		ND	ND	ND	ND
Chlordane		ND	ND	ND	ND
Toxaphene		ND	ND	ND	ND
Aroclor-1016		ND	ND	ND	ND
Aroclor-1221		ND	ND	ND	ND
Aroclor-1232		ND	ND	ND	ND
Aroclor-1242		ND	ND	ND	ND
Aroclor-1248		ND	ND	ND	ND
Aroclor-1254		ND	ND	ND	ND
Aroclor-1260		ND	ND	ND	ND

μg/L - Micrograms per liter.
ND - Not detected.

023

SAUGET Analytical Data
Site O

GROUND WATER SAMPLES
Total Metals (μg/L)
Collected by Ecology & Environment, Inc. (3/87, 7/87)

	Sample Number	DC-GW-38	DC-GW-38A	DC-GW-39	DC-GW-39A	DC-GW-40	DC-GW-40A	DC-GW-41	DC-GW-41A	DC-GW-42	DC-GW-43
	Sample Depth (ft)	EE-21	EE-21	EE-22	EE-22	EE-23	EE-23	EE-24	EE-24	EE-24	EE-25
	Date Collected	03/24/87	07/14/87	03/24/87	07/14/87	03/24/87	07/14/87	03/24/87	07/14/87	03/24/87	03/24/87
Total Metals											
Aluminum		ND	**200**	ND	ND	ND	ND	ND	ND	ND	ND
Antimony		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic		**16**	ND	**133**	**123**	**25**	**17**	**18**	**15**	**23**	ND
Barium		**159**	**[35]**	**536**	**500**	**[161]**	**[152]**	**[170]**	**204**	**[184]**	**141**
Beryllium		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium		ND	ND	**8**	**11**	ND	ND	ND	ND	ND	ND
Chromium		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron		**20400**	**15900**	**147000**	**171000**	**19600**	**16800**	**36400**	**29200**	**36600**	**3930**
Lead		ND	**3270**	ND	**6350**	ND	ND	ND	ND	ND	ND
Manganese		**4340**	ND	**5460**	ND	**1270**	**1330**	**4110**	**1520**	**4300**	**2300**
Mercury		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tin		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium		ND	ND	**42**	**55**	ND	ND	**504**	ND	ND	ND
Zinc		**41**	**57**	**101**	**40**	**95**	**[15]**	**23**	**24**	**34**	**26**
Cyanide		**20**	ND	ND	ND	ND	ND	ND	ND	ND	ND

μg/L - Micrograms per liter.
ND - Not detected.

Document Ecology and Environment

0230

SAUGET Analytical Data
Site O

GROUND WATER SAMPLES
Total Metals (μg/L)
Collected by Ecology & Environment, Inc. (3/87, 7/87)

	Sample Number	DC-GW-43A	DC-GW-35	DC-GW-57	Maximum
	Sample Depth (ft)	EE-25	NA	NA	Concentration
	Date Collected	07/14/87	03/24/87	07/14/87	Detected
Total Metals			BLANK	BLANK	
Aluminum		ND	ND	ND	**200**
Antimony		ND	ND	ND	ND
Arsenic		**[92]**	ND	ND	**133**
Barium		ND	ND	ND	**536**
Beryllium		ND	ND	ND	ND
Boron		ND	ND	ND	ND
Cadmium		ND	ND	ND	**11**
Chromium		ND	ND	ND	ND
Cobalt		ND	ND	ND	ND
Copper		ND	ND	ND	ND
Iron		**2360**	**111**	**[87]**	**171000**
Lead		ND	ND	ND	**6350**
Manganese		**1620**	ND	ND	**5460**
Mercury		ND	ND	ND	ND
Nickel		ND	ND	ND	ND
Selenium		ND	ND	ND	ND
Silver		ND	ND	ND	ND
Thallium		ND	ND	ND	ND
Tin		ND	ND	ND	ND
Vanadium		ND	ND	ND	**504**
Zinc		**24**	**10**	ND	**101**
Cyanide		ND	ND	ND	**20**

μg/L - Micrograms per liter.
ND - Not detected.

0250

SAUGET Analytical Data
Site R

GROUND WATER SAMPLES
Volatile Organic Compounds (μg/L)
Collected by Ecology & Environment, Inc. (3/87)

	Sample Number	DC-GW-44	DC-GW-45	DC-GW-46	DC-GW-47	DC-GW-48	DC-GW-49	DC-GW-50	DC-GW-51	Maximum
	Well Number	P-1	B-28A	P-7	B-26A	B-26A	B-25A	P-11	NA	Concentration
	Date Collected	03/25/87	03/25/87	03/25/87	03/25/87	03/25/87	03/25/87	3/25/87	3/25/87	Detected
VOC									BLANK	
Chloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		ND	ND	ND	ND	ND	ND	ND	2 J	2 J
Acetone		ND	71 B	1700 B	3 BJ	36 BJ	1600 B	26	3 BJ	1700 B
Carbon Disulfide		ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene		ND	ND	ND	7	ND	ND	ND	ND	7
1,1-Dichloroethane		ND	ND	ND	3 J	ND	ND	ND	ND	3 J
trans-1,2-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	ND	ND	1 J	1 J
1,2-Dichloroethane		ND	ND	ND	ND	ND	16000	ND	ND	16000
2-Butanone (MEK)		ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate		ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene		2 J	ND	1500	41	44 J	ND	150	ND	1500
cis-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether		ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone		ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone		ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene		ND	ND	480	7 B	13 BJ	760 J	ND	ND	760 J
Chlorobenzene		350 E	990	5000	190	199	8100	570	1 J	8100
Ethylbenzene		ND	ND	ND	2 J	ND	ND	ND	ND	2 J
Styrene		ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes		ND	ND	95 J	7	ND	ND	ND	ND	95 J

μg/L - Micrograms per liter.
B - Compound detected in blank sample.
J - Estimated value.
ND - Not Detected.

Filename: Gwsiter.xls - Table: GW VOCs

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SAUGET Analytical Data
Site R

GROUND WATER SAMPLES
Base Neutrals/Acids (μg/L)
Collected by Ecology & Environment, Inc. (3/87)

	Sample Number	DC-GW-44	DC-GW-45	DC-GW-46	DC-GW-47	DC-GW-48	DC-GW-49	DC-GW-50	DC-GW-51	Maximum
	Well Number	P-1	B-28A	P-7	B-26A	B-26A	B-25A	P-11	NA	Concentration
	Date Collected	03/25/87	03/25/87	03/25/87	03/25/87	03/25/87	03/25/87	03/25/87	03/25/87	Detected
BNAs									BLANK	
Phenol		ND	ND	25000 E	ND	ND	60000 E	ND	ND	60000 E
bis(2-Chloroethyl)ether		ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol		4 J	8 J	2100	8 J	9 J	14000 E	ND	ND	14000 E
1,3-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		8 J	ND	550	4 J	3 J	ND	54 J	ND	550
Benzyl Alcohol		ND	ND	750	ND	ND	ND	ND	ND	750
1,2-Dichlorobenzene		ND	ND	340	1 J	1 J	91 J	ND	ND	340
2-Methylphenol		ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether		ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol		ND	ND	120 J	ND	ND	6100	ND	ND	6100
N-Nitroso-n-Dipropylamine		ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane		ND	ND	850	ND	ND	ND	ND	ND	850
Nitrobenzene		ND	ND	ND	35	29	420	ND	ND	420
Isophorone		ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol		ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol		ND	ND	ND	ND	ND	160	ND	ND	160
Benzoic Acid		ND	ND	270 J	ND	ND	6800	ND	ND	6800
bis-(2-Chloroethoxy)methane		ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol		ND	ND	5500	ND	ND	14000 E	ND	ND	14000 E
1,2,4-Trichlorophenol		ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene		ND	ND	82 J	ND	ND	ND	ND	ND	82 J
4-Chloroaniline		ND	ND	25000 E	680	540	ND	4100	ND	25000 E
Hexachlorobutadiene		ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol		ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene		ND	ND	200	ND	ND	ND	ND	ND	200
Hexachlorocyclopentadiene		ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol		ND	ND	2100	ND	ND	1500	ND	ND	2100
2,4,5-Trichlorophenol		ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene		ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline		ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl Phthalate		ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene		ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline		ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene		ND	ND	ND	ND	ND	ND	ND	ND	ND

μg/L - Micrograms per liter.
B - Compound detected in blank sample.
E - Estimated value. Concentration detected exceeds the calibrated range.
J - Estimated value.
ND - Not Detected

0201

SAUGET Analytical Data
Site R

GROUND WATER SAMPLES
Base Neutrals/Acids (µg/L)
Collected by Ecology & Environment, Inc. (3/87)

	Sample Number	DC-GW-44	DC-GW-45	DC-GW-46	DC-GW-47	DC-GW-48	DC-GW-49	DC-GW-50	DC-GW-51	Maximum
	Well Number	P-1	B-28A	P-7	B-26A	B-26A	B-25A	P-11	NA	Concentration
	Date Collected	03/25/87	03/25/87	03/25/87	03/25/87	03/25/87	03/25/87	03/25/87	03/25/87	Detected
BNAs									BLANK	
2,4-Dinitrophenol		ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol		ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran		ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene		ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene		ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate		ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-Phenylether		ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene		ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline		ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol		ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine		ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether		ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol		ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene		ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene		ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butly phthalate		7 J	ND	ND	ND	ND	ND	ND	ND	7 J
Fluoranthene		ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene		ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl Benzyl phthalate		ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine		ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (a)anthracene		ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate		ND	4 J	ND	37	4	ND	ND	4 J	37
Chrysene		ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate		ND	4 J	ND	40	26	ND	ND	5 J	40
Benzo(b)fluoranthene		ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene		ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (a)pyrene		ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene		ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene		ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene		ND	ND	ND	ND	ND	ND	ND	ND	ND

µg/L - Micrograms per liter.
B - Compound detected in blank sample
E - Estimated value. Concentration detected exceeds the calibrated range.
J - Estimated value.
ND - Not Detected.

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SAUGET Analytical Data
Site R

GROUND WATER SAMPLES
Pesticides/PCBs (μg/L)
Collected by Ecology & Environment, Inc. (3/87)

	Sample Number	DC-GW-44	DC-GW-45	DC-GW-46	DC-GW-47	DC-GW-48	DC-GW-49	DC-GW-50	DC-GW-51	Maximum
	Well Number	P-1	B-28A	P-7	B-26A	B-26A	B-25A	P-11	NA	Concentration
	Date Collected	03/25/87	03/25/87	03/25/87	03/25/87	03/25/87	03/25/87	03/25/87	03/25/87	Detected
Pesticides/PCBs									BLANK	
Alpha-BHC		ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC		ND	ND	ND	ND	ND	ND	ND	ND	ND
Delta-BHC		ND	ND	ND	ND	ND	ND	ND	ND	ND
Gamma-BHC (Lindane)		ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor		ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin		ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide		ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I		ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin		ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE		ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin		ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II		ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD		ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate		ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT		ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor		ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone		ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane		ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene		ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1016		ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221		ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232		ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242		ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248		ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254		ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260		ND	ND	ND	ND	ND	ND	ND	ND	ND

μg/L - Micrograms per liter.
ND - Not Detected.

SAUGET Analytical Data
Site R

GROUND WATER SAMPLES
Total Metals (μg/L)
Collected by Ecology & Environment, Inc. (3/87)

Sample Number	DC-GW-44	DC-GW-45	DC-GW-46	DC-GW-47	DC-GW-48	DC-GW-49	DC-GW-50	DC-GW-51	Maximum
Well Number	P-1	B-28A	P-7	B-26A	B-26A	B-25A	P-11	NA	Concentration
Date Collected	03/25/87	03/25/87	03/25/87	03/25/87	03/25/87	03/25/87	03/25/87	03/25/87	Detected
Total Metals								BLANK	
Aluminum	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	**34**	**41**	ND	**48**	**45**	ND	**35**	ND	**48**
Barium	**440**	**[123]**	**[27]**	**[194]**	**201**	ND	**[168]**	ND	**440**
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	ND	ND	**120**	ND	ND	ND	ND	ND	**120**
Copper	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	**10800**	**20800**	**15500**	**26900**	**27500**	ND	**11800**	ND	**27500**
Lead	ND	ND	ND	ND	ND	ND	ND	**[91]**	**[91]**
Manganese	**2190**	**6840**	**11200**	**3530**	**3570**	ND	**2640**	ND	**11200**
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	ND	ND	**[18]**	ND	ND	ND	ND	ND	**[18]**
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tin	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ND	ND	**[18]**	ND	ND	ND	ND	ND	**[18]**
Zinc	**45 R**	**24 R**	**102 R**	**41 R**	**62 R**	ND	**39 R**	**[10]**	**102 R**
Cyanide	ND	ND	ND	ND	ND	ND	**14**	ND	**14**

μg/L - Micrograms per liter.
ND - Not Detected.
R - Spike sample recovery not within control limits.

NOTE: THE FOLLOWING DATA SUMMARY TABLES PERTAIN TO SAMPLE LOCATIONS ASSOCIATED WITH SITE "O" AND THE AMERICAN BOTTOMS WWTP PROPERTY AS A WHOLE.

SAUGET Analytical Data
Area 2 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (ug/l)
Collected by Geraghty & Miller

	Sample Number	GM-19A	GM-19A	GM-19A	GM-19B	GM-19B	GM-19B	GM-19B	GM-19B	GM-19B	GM-19C	Maximum
	Date Collected	9/84**	11/84	11/85	9/84**	11/84	2/85	2/85*	11/85	11/85*	9/84**	Detected
VOC												Max
Acrolein		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene		5	ND	6.21	6	ND	ND	ND	ND	ND	10	10
Bis (chloromethyl)ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride		ND	ND	20.1	23	24	ND	ND	ND	ND	ND	24
Chlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	26	26
Chlorodibromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND	2	2
Dichlorobromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		ND	ND	10.9	ND	ND	ND	ND	ND	ND	ND	10.9
Methyl Bromide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride		17	ND	ND	20	ND	ND	ND	4.06	ND	6	20
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene		ND	ND	ND	51	65	8.1	8.3	ND	ND	ND	65
Toluene		ND	ND	ND	2	ND	ND	ND	ND	ND	2	2
1,2-trans-dichloroethylene		ND	ND	ND	8	15	6.5	6.4	7.4	6.95	ND	15
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene		ND	ND	ND	32	76	16.1	16.3	6.18	8.91	ND	76
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	32	32
SUB TOTAL		24	0	37.21	142	180	59.4	57.2	17.64	15.86	78	180
Miscellaneous VOC												
Methyl-iso-butyl ketone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isoamyl ketone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m-xylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-xylene/p-xylene		ND	ND	26.2	ND	ND	ND	ND	ND	ND	ND	26.2
SUB TOTAL 2		0	0	26.2	0	0	0	0	0	0	0	26.2
TOTAL VOCs ANALYZED		24	0	63.41	142	180	59.4	57.2	17.64	15.86	78	

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SAUGET Analytical Data
Area 2 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (ug/l)
Collected by Geraghty & Miller

Sample Number	GM-19C	GM-19C	GM-20A	GM-20A	GM-20A	GM-20B	GM-20B	GM-20B	GM-21A	GM-21A	Maximum
Date Collected	11/84	2/85	9/84**	11/85	2/86	9/84**	2/85	11/85	9/84**	11/85	Detected
VOC											Max
Acrolein	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	44	82.1	5	52.2	ND	316	316	58	3	5.25	316
Bis (chloromethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	47	102	1	50.3	7.7	384	384	92.4	3	ND	384
Chlorodibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	2
Dichlorobromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	109	69.6	32.7	15	5.66	109
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Bromide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride	ND	ND	9	ND	ND	15	ND	ND	8	ND	15
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	2
Tetrachloroethylene	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	2
Toluene	10	ND	ND	ND	ND	187	89	45.2	2	ND	187
1,2-trans-dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	33	2.95	33
1,1,1-Trichloroethane	44	ND	7	ND	ND	ND	ND	ND	ND	5.6	44
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	2.33	ND	ND	ND	ND	ND	2.72	2.72
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	26	51.3	ND	ND	ND	173	95.7	34.3	ND	ND	173
SUB TOTAL	171	235.4	24	104.83	7.7	1001	954.3	262.6	66	234.18	
Miscellaneous VOC											
Methyl-iso-butyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isoamyl ketone	ND	19	ND	ND	ND	ND	ND	ND	ND	ND	19
m-xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-xylene/p-xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL 2	0	19	0	0	0	0	0	0	0	0	19
TOTAL VOCs ANALYZED	171	0	24	104.83	7.7	1001	954.3	262.6	66	234.18	

SAUGET Analytical Data
Area 2 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (ug/l)
Collected by Geraghty & Miller

Sample Number	GM-21A	GM-21B	GM-21B	GM-22A	GM-22A	GM-22A	GM-22B	GM-22B	GM-22B	GM-23	Maximum
Date Collected	2/86	2/85	5/85	9/84**	2/85	11/85	2/85	2/85*	5/85	9/84**	Detected
VOC											Max
Acrolein	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	151	280.5	690	484	6,980	8.9	9.5	6.8	ND	6980
Bis (chloromethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	123	310	1,862.10	549	323	2,980	41.5	40.9	33.2	ND	2980
Chlorodibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	223	259	ND	ND	ND	ND	259
2-Chloroethylvinyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	12	ND	245	321	1,100	5.7	5.6	ND	ND	1100
Dichlorobromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	14.1	162.2	1,060	2,170	3,560	6.7	6.5	ND	ND	3560
1,2-Dichloroethane	ND	ND	ND	ND	ND	233	ND	ND	ND	ND	233
1,1-Dichloroethylene	ND	ND	4.5	ND	392	338	ND	ND	ND	ND	392
1,2-Dichloropropane	ND	ND	ND	ND	13.4	32.9	ND	ND	ND	ND	32.9
cis-1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	119	401	ND	ND	ND	ND	401
Methyl Bromide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	1,790	9,410	13,400	21.6	19	ND	5	13400
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	551	524	ND	ND	ND	ND	551
Tetrachloroethylene	ND	ND	ND	ND	217	290	ND	ND	ND	ND	290
Toluene	ND	7.5	ND	454	286	5,460	9.4	9.3	ND	1	5460
1,2-trans-dichloroethylene	ND	15.8	189.2	5,570	16500	19,300	35.1	33.7	7.3	ND	19300
1,1,1-Trichloroethane	52.5	ND	ND	ND	452	2,920	ND	ND	ND	ND	2920
1,1,2-Trichloroethane	ND	ND	ND	ND	99.4	175	ND	ND	ND	ND	175
Trichloroethylene	8.07	ND	ND	4,840	483	2,140	19.8	19.1	28.9	ND	4840
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	19.7	189.6	ND	338	7,340	ND	ND	ND	ND	7340
SUB TOTAL	183.57	530.1	2688.1	15198	32381.8	67432.9	148.7	143.6	76.2	6	
Miscellaneous VOC											
Methyl-iso-butyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isoamyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m-xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-xylene/p-xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL 2	0	0	0	0	7655	20670	21	20	0	0	20670
TOTAL VOCs ANALYZED	183.57	530.1	2688.1	15198	40036.8	88102.9	169.7	163.6	76.2	6	

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SAUGET Analytical Data
Area 2 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (ug/l)
Collected by Geraghty & Miller

	Sample Number	GM-23	GM-23	GM-24A	GM-24A	GM-24B	GM-24B	GM-26A	GM-26A	GM-26A	GM-26B	Maximum
	Date Collected	11/85	2/86	9/84	11/84	9/84	11/84	9/84**	11/85	2/86	9/84**	Detected
VOC												Max
Acrolein		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene		ND	ND	ND	ND	ND	117	ND	ND	ND	ND	117
Bis (chloromethyl)ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	7	7
Carbon Tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		ND	ND	ND	ND	18	ND	ND	ND	ND	ND	18
Chlorodibromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorobromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Bromide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride		ND	ND	7	ND	4	ND	12	ND	ND	12	12
Methylene Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene		ND	ND	19	ND	ND	ND	ND	ND	ND	ND	19
Toluene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-trans-dichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL		0	0	26	0	22	117	12	0	0	19	
Miscellaneous VOC												
Methyl-iso-butyl ketone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isoamyl ketone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m-xylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-xylene/p-xylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL 2		0	0	0	0	0	0	0	0	0	0	ND
TOTAL VOCs ANALYZED		0	0	26	0	22	117	12	0	0	19	

SAUGET Analytical Data

Area 2 - *Monsanto*

GROUNDWATER SAMPLES

Volatile Organic Compounds (ug/l)

Collected by Geraghty & Miller

Sample Number	GM-26B	GM-26B	DW-35	DW-35	DW-36	DW-36	DW-A	DW-A	Field Blank	Field Blank	Maximum
Date Collected	2/85	11/85	2/85	5/85	2/85	5/85	11/85	2/86	9/84	9/84	Detected
VOC											Max
Acrolein	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Benzene	ND	ND	ND	ND	ND	ND	996	343	ND	ND	996
Bis (chloromethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	1,100	594	53	1	1100
Chlorodibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorobromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	101	109	1	ND	109
Methyl Bromide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	39	15	39
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	28.3	1	ND	28.3
1,2-trans-dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL	0	0	0	0	0	0	2197	1074.3	94	16	
Miscellaneous VOC											
Methyl-iso-butyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Methyl isoamyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
m-xylene	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
o-xylene/p-xylene	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
SUB TOTAL 2	0	0	0	0	0	0	311	372.5	NA	NA	372.5
TOTAL VOCs ANALYZED	0	0	0	0	0	0	2508	1446.8	94	16	

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SAUGET Analytical Data
Area 2 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (ug/l)
Collected by Geraghty & Miller

	Sample Number	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Maximum
	Date Collected	11/84	2/85	5/85	11/85	2/86	9/84	9/84	9/84	11/84	2/85	Detected
VOC												Max
Acrolein		ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND
Acrylonitrile		ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND
Benzene		28	ND	ND	ND	ND	1	31	30	ND	ND	31
Bis (chloromethyl)ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		24	ND	ND	ND	ND	ND	ND	ND	ND	ND	24
Chlorodibromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	4	ND	ND	ND	ND	4
2-Chloroethylvinyl ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	2	ND	ND	ND	ND	2
Dichlorobromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene		ND	ND	ND	ND	ND	4	2	2	ND	ND	4
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloroproy;ene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Bromide		ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
Methyl Chloride		ND	ND	ND	ND	ND	5	ND	ND	ND	ND	5
Methylene Chloride		ND	ND	3.8	ND	6.5	130	44	32	ND	4	130
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene		ND	ND	ND	ND	ND	1	1	1	ND	ND	1
1,2-trans-dichloroethylene		ND	ND	ND	ND	ND	2	2	ND	ND	ND	2
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride		ND	ND	ND	ND	ND	6	ND	ND	ND	ND	6
SUB TOTAL		52	0	3.8	0	6.5	158	78	65	0	4	
Miscellaneous VOC												
Methyl-iso-butyl ketone		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Methyl isoamyl ketone		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
m-xylene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
o-xylene/p-xylene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
SUB TOTAL 2		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
TOTAL VOCs ANALYZED		52	0	3.8	0	6.5	158	78	65	0	4	

SAUGET Analytical Data
Area 2 - Monsanto

GROUNDWATER SAMPLES
Volatile Organic Compounds (ug/l)
Collected by Geraghty & Miller

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

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SAUGET Analytical Data
Area 2 - Monsanto

GROUNDWATER SAMPLES
Acid Extractable Organic Compounds (ug/l)
Collected by Geraghty & Miller

Sample Number	GM-19A	GM-19A	GM-19A	GM-19B	GM-19B	GM-19B	GM-19B	GM-19B	GM-19B	GM-19C	Maximum
Date Collected	9/84**	11/84	11/85	9/84**	11/84	2/85	2/85*	11/85	11/85*	9/84**	Detected
ACID EXTRACTABLE											
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chloro-m-cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	3	ND	1,430	26	ND	ND	6.1	ND	ND	ND	1430
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	6.35	ND	ND	ND	ND	ND	ND	ND	6.35
SUB TOTAL	3	0	1440.05	26	0	0	6.1	0	0	47	
Miscellaneous Acid Ext.											
4-Chlorophenol	ND	ND	10.8	ND	ND	ND	ND	ND	ND	ND	10.8
SUB TOTAL 2	0	0	10.8	0	0	0	0	ND	ND	ND	10.8
TOTAL ACID EXT. ANALYZED	3	0	1450.85	26	0	0	6.1	0	0	47	

Sample Number	GM-19C	GM-19C	GM-20A	GM-20A	GM-20A	GM-20B	GM-20B	GM-20B	GM-21A	GM-21A	Maximum
Date Collected	11/84	2/85	9/84**	11/85	2/86	9/84**	2/85	11/85	9/84**	11/85	Detected
ACID EXTRACTABLE											
2-Chlorophenol	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	4
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chloro-m-cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	63	58.1	7	22.4	ND	4	ND	ND	ND	ND	63
Phenol	ND	ND	ND	ND	ND	3	6.5	ND	ND	7.4	7.4
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL	63	58.1	7	22.4	0	11	6.5	0	0	7.4	
Miscellaneous Acid Ext.											
4-Chlorophenol	ND	ND	ND	ND	ND	ND	3.6	ND	ND	41	41
SUB TOTAL 2	0	0	0	0	0	0	3.6	ND	ND	41	41
TOTAL ACID EXT. ANALYZED	63	58.1	7	22.4	0	11	10.1	0	0	48.4	

SAUGET Analytical Data
Area 2 - Monsanto

GROUNDWATER SAMPLES
Acid Extractable Organic Compounds (ug/l)
Collected by Geraghty & Miller

Sample Number	GM-21A	GM-21B	GM-21B	GM-22A	GM-22A	GM-22A	GM-22B	GM-22B	GM-22B	GM-23	Maximum
Date Collected	2/86	2/85	5/85	9/84**	2/85	11/85	2/85	2/85*	5/85	9/84**	Detected
ACID EXTRACTABLE											
2-Chlorophenol	ND	ND	23.8	ND	11.2	44.3	ND	ND	ND	ND	44.3
2,4-Dichlorophenol	ND	ND	ND	ND	10.8	ND	ND	ND	ND	ND	10.8
2,4-Dimethylphenol	ND	ND	ND	14	ND	153	ND	ND	ND	ND	153
4,6-Dinitro-o-cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	272	ND	ND	ND	ND	ND	ND	272
4-Nitrophenol	ND	ND	ND	276	5	ND	ND	ND	ND	ND	276
p-Chloro-m-cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	45.1	ND	30	6.5	ND	51.6	42.4	ND	ND	51.6
Phenol	2.1	ND	7.6	357	1,260	263	4.1	ND	ND	ND	1260
2,4,6-Trichlorophenol	ND	ND	ND	3	24.6	ND	ND	ND	ND	ND	24.6
SUB TOTAL	2.1	45.1	31.4	955	1318.1	460.3	55.7	42.4	0	0	
Miscellaneous Acid Ext.											
4-Chlorophenol	ND	ND	40	ND	83	1,870	ND	ND	ND	ND	1870
SUB TOTAL 2	0	0	40	0	83	1,870	0	0	ND	ND	1870
TOTAL ACID EXT. ANALYZED	2.1	45.1	71.4	955	1401.1	2330.3	55.7	42.4	0	0	

Sample Number	GM-23	GM-23	GM-24A	GM-24A	GM-24B	GM-24B	GM-26A	GM-26A	GM-26A	GM-26B	Maximum
Date Collected	11/85	2/86	9/84	11/84	9/84	11/84	9/84**	11/85	2/86	9/84**	Detected
ACID EXTRACTABLE											
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chloro-m-cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND	49	ND	ND	ND	49
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL	0	0	0	0	0	0	49	0	0	0	
Miscellaneous Acid Ext.											
4-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL 2	0	0	0	0	0	0	0	0	0	0	ND
TOTAL ACID EXT. ANALYZED	0	0	0	0	0	0	49	0	0	0	

0211

SAUGET Analytical Data
Area 2 - Monsanto

GROUNDWATER SAMPLES
Acid Extractable Organic Compounds (ug/l)
Collected by Geraghty & Miller

	Sample Number	GM-26B	GM-26B	DW-35	DW-35	DW-36	DW-36	DW-A	DW-A	Trip Blank		Maximum
	Date Collected	2/85	11/85	2/85	5/85	2/85	5/85	11/85	2/86	9/84		Detected
ACID EXTRACTABLE												
2-Chlorophenol		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
2,4-Dichlorophenol		ND	ND	ND	ND	ND	ND	71.7	34.6	ND		71.7
2,4-Dimethylphenol		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
4,6-Dinitro-o-cresol		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
2,4-Dinitrophenol		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
2-Nitrophenol		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
4-Nitrophenol		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
p-Chloro-m-cresol		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Pentachlorophenol		ND	ND	ND	ND	ND	ND	ND	34.5	ND		34.5
Phenol		ND	ND	ND	ND	ND	ND	16.9	ND	ND		16.9
2,4,6-Trichlorophenol		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
SUB TOTAL		0	0	0	0	0	0	88.6	69.1	0		
Miscellaneous Acid Ext.												
4-Chlorophenol		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
SUB TOTAL 2		0	0	0	0	0	0	0	0	NA		ND
TOTAL ACID EXT. ANALYZED		0	0	0	0	0	0	88.6	69.1	0		

SAUGET Analytical Data
Area 2 - Monsanto

GROUNDWATER SAMPLES
Base/Neutral Extractable Compounds (ug/l)
Collected by Geraghty & Miller

Sample Number	GM-19A	GM-19A	GM-19A	GM-19B	GM-19B	GM-19B	GM-19B	GM-19B	GM-19B	GM-19C	Maximum
Date Collected	9/84**	11/84	11/85	9/84**	11/84	2/85	2/85*	11/85	11/85*	9/84**	Detected
Base/Neutral											
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenapthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	6	ND	ND	65	ND	ND	ND	ND	ND	ND	65
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	6.3	3	ND	2.2	2.5	3.3	2.8	ND	6.3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-buyl phthalate	4	ND	ND	6	ND	ND	ND	ND	ND	ND	6
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroehtane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-c,d)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL 1	10	0	6.3	74	0	2.2	2.5	3.3	2.8	0	
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	12.6	ND	ND	ND	ND	ND	ND	ND	12.6
2-Nitrochlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrochlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-and 3,4-Dinitrochlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Triphenyl phosphate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND
2-Nitrobiphenyl	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND
4-Nitrobiphenyl	ND	NA	NA	ND	NA	NA	NA	NA	NA	ND	ND
SUB TOTAL 2	0	0	12.6	0	0	0	0	0	ND	ND	
TOTAL Base/Neutral Analyzed	10	0	18.9	74	0	2.2	2.5	3.3	2.8	0	

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SAUGET Analytical Data
Area 2 - Monsanto

GROUNDWATER SAMPLES
Base/Neutral Extractable Compounds (ug/l)
Collected by Geraghty & Miller

Sample Number	GM-19C	GM-19C	GM-20A	GM-20A	GM-20A	GM-20B	GM-20B	GM-20B	GM-21A	GM-21A	Maximum
Date Collected	11/84	2/85	9/84**	11/85	2/86	9/84**	2/85	11/85	9/84**	11/85	Detected
Base/Neutral											
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenapthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	ND	ND	2	17.2	ND	10	ND	ND	ND	ND	17.2
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	2
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	3	6.5	2.3	ND	ND	ND	4	76.8	76.8
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.6	3.6
1,4-Dichlorobenzene	ND	ND	15	3.5	ND	ND	4.6	ND	4	46.2	46.2
3,3-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	#REF!
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-buyl phthalate	ND	ND	4	2.1	ND	6	ND	ND	7	ND	7
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	#REF!
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroehtane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-c,d)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL 1	0	0	24	31.3	2.3	18	4.6	0	15	126.6	
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrochlorobenzene	ND	ND	ND	ND	ND	ND	ND	28.1	ND	ND	28.1
4-Nitrochlorobenzene	ND	ND	ND	ND	ND	ND	ND	12.2	ND	ND	12.2
2,4-and 3,4-Dinitrochlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Triphenyl phosphate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	ND
2-Nitrobiphenyl	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND
4-Nitrobiphenyl	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND
SUB TOTAL 2	0	0	0	0	0	0	0	40.3	0	0	
TOTAL Base/Neutral Analyzed	0	0	24	31.3	2.3	18	4.6	40.3	15	126.6	

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SAUGET Analytical Data
Area 2 - Monsanto

GROUNDWATER SAMPLES
Base/Neutral Extractable Compounds (ug/l)
Collected by Geraghty & Miller

	Sample Number	GM-21A	GM-21B	GM-21B	GM-22A	GM-22A	GM-22A	GM-22B	GM-22B	GM-22B	GM-23	Maximum
	Date Collected	2/86	2/85	5/85	9/84**	2/85	11/85	2/85	2/85*	5/85	9/84**	Detected
Base/Neutral												
Acenaphthene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenapthylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)fluoranthene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate		ND	ND	ND	ND	ND	ND	ND	13.1	ND	34	34
4-Bromophenyl phenyl ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		36	4.2	16.2	70	367	316	2.2	ND	ND	ND	367
1,3-Dichlorobenzene		ND	ND	ND	ND	2.8	12.5	ND	ND	ND	ND	12.5
1,4-Dichlorobenzene		19.9	6.4	51.3	59	373	413	ND	ND	ND	ND	413
3,3-Dichlorobenzidine		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-buyl phthalate		ND	ND	ND	6	ND	ND	ND	ND	ND	5	6
2,4-Dinitrotoluene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroehtane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-c,d)pyrene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodimethylamine		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodi-n-propylamine		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL 1		55.9	21.1	67.5	135	756.6	811.2	2.2	13.1	0	39	
2-Nitroaniline		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrochlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrochlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-and 3,4-Dinitrochlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrodiphenylamine		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Triphenyl phosphate		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,7,8-Tetrachloro-dibenzo-p-dioxin		NA	NA	NA	ND	NA	ND	NA	NA	NA	NA	ND
2-Nitrobiphenyl		NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	ND
4-Nitrobiphenyl		NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	ND
SUB TOTAL 2		0	0	0	0	0	NA	0	0	0	0	
TOTAL Base/Neutral Analyzed		55.9	21.1	67.5	135	756.6	811.2	2.2	13.1	0	39	

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02120

SAUGET Analytical Data
Area 2 - Monsanto

GROUNDWATER SAMPLES
Base/Neutral Extractable Compounds (ug/l)
Collected by Geraghty & Miller

Sample Number	GM-23	GM-23	GM-24A	GM-24A	GM-24B	GM-24B	GM-26A	GM-26A	GM-26A	GM-26B	Maximum
Date Collected	11/85	2/86	9/84	11/84	9/84	11/84	9/84**	11/85	2/86	9/84**	Detected
Base/Neutral											
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenapthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	ND	41.8	52	ND	6	ND	8	14.5	ND	7	52
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	4
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-buyl phthalate	ND	ND	5	ND	5	ND	3	ND	ND	3	5
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroehtane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-c,d)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SUB TOTAL 2	0	41.8	57	0	11	0	11	14.5	0	14	
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrochlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrochlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-and 3,4-Dinitrochlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Triphenyl phosphate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrobiphenyl	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND
4-Nitrobiphenyl	NA	NA	ND	NA	ND	NA	ND	NA	ND	ND	ND
SUB TOTAL 2	NA	NA	ND	NA	ND	NA	ND	NA	ND	ND	
TOTAL Base/Neutral Analyzed	0	0	0	0	0	0	0	0	0	0	

SAUGET Analytical Data
Area 2 - Monsanto

GROUNDWATER SAMPLES
Base/Neutral Extractable Compounds (ug/l)
Collected by Geraghty & Miller

	Sample Number	GM-26B	GM-26B	DW-35	DW-35	DW-36	DW-36	DW-A	DW-A	Trip Blank		Maximum
	Date Collected	02/01/85	11/01/85	2/85	5/85	2/85	5/85	11/85	2/86	9/84		Detected
Base/Neutral												
Acenaphthene		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Acenapthylene		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Anthracene		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Benzidine		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Benzo(a)anthracene		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Benzo(a)pyrene		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Benzo(a)fluoranthene		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Benzo(ghi)perylene		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Benzo(k)fluoranthene		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Bis(2-chloroethoxy)methane		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Bis(2-chloroethyl)ether		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Bis(2-chloroisopropyl)ether		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Bis(2-ethylhexyl)phthalate		ND	13.2	ND	ND	ND	ND	ND	ND	ND		ND
4-Bromophenyl phenyl ether		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Butyl benzyl phthalate		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
2-Chloronaphthalene		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
4-Chlorophenyl phenyl ether		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Chrysene		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Dibenzo(a,h)anthracene		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
1,2-Dichlorobenzene		ND	ND	ND	ND	ND	ND	124	171	ND		ND
1,3-Dichlorobenzene		ND	ND	ND	ND	ND	ND	13.8	9.2	ND		13.8
1,4-Dichlorobenzene		ND	ND	ND	ND	ND	ND	113	155	ND		155
3,3-Dichlorobenzidine		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Diethyl phthalate		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Dimethyl phthalate		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Di-n-buyl phthalate		ND	ND	ND	ND	ND	ND	ND	ND	4		2
2,4-Dinitrotoluene		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
2,6-Dinitrotoluene		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Di-n-octyl phthalate		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
1,2-Diphenylhydrazine		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Fluoranthene		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Fluorene		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Hexachlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Hexachlorobutadiene		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Hexachlorocyclopentadiene		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Hexachloroehtane		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Indeno(1,2,3-c,d)pyrene		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Isophorone		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Naphthalene		ND	ND	ND	ND	ND	ND	8	5.3	ND		8
Nitrobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
n-Nitrosodimethylamine		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
n-Nitrosodi-n-propylamine		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
n-Nitrosodiphenylamine		ND	ND	ND	ND	ND	ND	ND	9.5	ND		9.5
Phenanthrene		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Pyrene		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
1,2,4-Trichlorobenzene		ND	ND	ND	ND	ND	ND	5.3	3.4	ND		5.3
SUB TOTAL 2		0	13.2	0	0	0	0	264.1	353.4	4		ND
2-Nitroaniline		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
4-Nitroaniline		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
2-Nitrochlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
4-Nitrochlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
2,4-and 3,4-Dinitrochlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
4-Nitrodiphenylamine		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
Triphenyl phosphate		ND	ND	ND	ND	ND	ND	ND	ND	NA		ND
2,3,7,8-Tetrachloro-dibenzo-p-dioxin		ND	NA	NA	NA	NA	NA	NA	NA	NA		ND
2-Nitrobiphenyl		ND	NA	NA	NA	NA	NA	NA	NA	NA		ND
4-Nitrobiphenyl		ND	NA	NA	NA	NA	NA	NA	NA	NA		ND
SUB TOTAL 2		ND	0	0	0	0	0	0	0	NA		
TOTAL Base/Neutral Analyzed		0	13.2	0	0	0	0	264.1	353.4	4		

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0220

SAUGET Analytical Data
Area 2 - Monsanto

GROUNDWATER SAMPLES
Pesticide/PCB Compounds (ug/l)
Collected by Geraghty & Miller

	Sample Number	GM-19A	GM-19A	GM-19B	GM-19B	GM-19B	GM-19B	GM-19C	GM-19C	GM-19C	GM-20A	Maximum
	Date Collected	9/84	11/84	9/84	11/84	2/85	2/85*	9/84	11/84	2/85	9/84	Detected
PESTICIDE/PCB												
Aldrin		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gamma-BHC		0.115	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.115
Delta-BHC		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-4'-DDD		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate		ND	ND	1.09	ND	ND	ND	4.35	ND	ND	ND	4.35
Endrin		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1016		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1221		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1232		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1242		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1248		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1254		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1260		ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND	2.5
Toxaphene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL Pest/PCB		0.115	0	3.59	0	0	0	4.45	0	0	0	

SAUGET Analytical Data
Area 2 - Monsanto

GROUNDWATER SAMPLES
Pesticide/PCB Compounds (ug/l)
Collected by Geraghty & Miller

	Sample Number	GM-20A	GM-20B	GM-20B	GM-21A	GM-21A	GM-21B	GM-21B	GM-22A	GM-22A	GM-22B	Maximum
	Date Collected	2/86	9/84	2/85	9/84	2/86	2/85	5/85	9/84	2/85	2/85	Detected
PESTICIDE/PCB												
Aldrin		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC		ND	ND	ND	ND	ND	ND	ND	0.011	ND	ND	0.011
Beta-BHC		ND	ND	ND	ND	ND	ND	ND	0.003	ND	ND	0.003
Gamma-BHC		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delta-BHC		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-4'-DDD		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1016		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1221		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1232		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1242		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1248		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1254		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1260		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL Pest/PCB		0	0	0	0	0	0	0	0.014	0	0	

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0282

SAUGET Analytical Data
Area 2 - Monsanto

GROUNDWATER SAMPLES
Pesticide/PCB Compounds (ug/l)
Collected by Geraghty & Miller

Sample Number	GM-22B	GM-22B	GM-23	GM-23	GM-24A	GM-24A	GM-24B	GM-24B	GM-26A	GM-26A	Maximum
Date Collected	2/85*	5/85	9/84**	2/86	9/84	11/84	9/84	11/84	9/84**	2/86	Detected
PESTICIDE/PCB											
Aldrin	ND	ND	0.078	ND	ND	ND	0.003	ND	0.028	ND	0.078
Alpha-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	ND	ND	0.097	ND	ND	ND	ND	ND	0.019	ND	0.097
Gamma-BHC	ND	ND	0.025	ND	ND	ND	ND	ND	0.029	ND	0.029
Delta-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-4'-DDD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	ND	ND	ND	ND	ND	ND	0.089	ND	ND	ND	0.089
Endrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	ND	ND	0.09	ND	0.043	ND	ND	ND	ND	ND	0.09
Heptachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1232	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1242	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1254	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL Pest/PCB	0	0	0.29	0	0.043	0	0.092	0	0.076	0	

SAUGET Analytical Data
Area 2 - Monsanto

GROUNDWATER SAMPLES
Pesticide/PCB Compounds (ug/l)
Collected by Geraghty & Miller

Sample Number	GM-26B	GM-26B	DW-35	DW-35	DW-36	DW-36	DW-A	DW-A			Maximum
Date Collected	9/84**	2/85	2/85	5/85	2/85	5/85	11/85	2/86			Detected
PESTICIDE/PCB											
Aldrin	ND	ND	ND	ND	ND	ND	ND	ND			ND
Alpha-BHC	ND	ND	ND	ND	ND	ND	ND	ND			ND
Beta-BHC	ND	ND	ND	ND	ND	ND	ND	ND			ND
Gamma-BHC	0 056	ND	ND	ND	ND	ND	ND	ND			**0.056**
Delta-BHC	ND	ND	ND	ND	ND	ND	ND	ND			ND
Chlordane	ND	ND	ND	ND	ND	ND	ND	ND			ND
4,4'-DDT	ND	ND	ND	ND	ND	ND	ND	ND			ND
4,4'-DDE	ND	ND	ND	ND	ND	ND	ND	ND			ND
4-4'-DDD	ND	ND	ND	ND	ND	ND	ND	ND			ND
Dieldrin	ND	ND	ND	ND	ND	ND	ND	ND			ND
Endosulfan I	ND	ND	ND	ND	ND	ND	ND	ND			ND
Endosulfan II	ND	ND	ND	ND	ND	ND	ND	ND			ND
Endosulfan sulfate	ND	ND	ND	ND	ND	ND	ND	ND			ND
Endrin	ND	ND	ND	ND	ND	ND	ND	ND			ND
Endrin aldehyde	ND	ND	ND	ND	ND	ND	ND	ND			ND
Heptachlor	0 079	ND	ND	ND	ND	ND	ND	ND			0.079
Heptachlor epoxide	ND	ND	ND	ND	ND	ND	ND	ND			ND
PCB-1016	ND	ND	ND	ND	ND	ND	ND	ND			ND
PCB-1221	ND	ND	ND	ND	ND	ND	ND	ND			ND
PCB-1232	ND	ND	ND	ND	ND	ND	ND	ND			ND
PCB-1242	ND	ND	ND	ND	ND	ND	ND	ND			ND
PCB-1248	ND	ND	ND	ND	ND	ND	ND	ND			ND
PCB-1254	ND	ND	ND	ND	ND	ND	ND	ND			ND
PCB-1260	ND	ND	ND	ND	ND	ND	ND	ND			ND
Toxaphene	ND	ND	ND	ND	ND	ND	ND	ND			ND
TOTAL Pest/PCB	0.135	0	0	0	0	0	0	0			

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0234

SAUGET Analytical Data
Area 2 - Monsanto

GROUNDWATER SAMPLES
Priority Pollutant Metals/Miscellaneous Parameters (mg/l)
Collected by Geraghty & Miller

	Sample Number	GM-19A	GM-19A	GM-19A	GM-19B	GM-19B	GM-19B	GM-19B	GM-19B	GM-19B	GM-19C	Maximum
	Date Collected	9/84	11/84	11/85	9/84	11/84	2/85	2/85	11/85	11/85*	9/84	Detected
METALS												
Antimony		0.023	ND	NA	0.013	ND	ND	ND	NA	NA	0.009	**0.023**
Arsenic		ND	ND	NA	ND	ND	ND	ND	NA	NA	ND	**ND**
Beryllium		ND	ND	NA	ND	ND	ND	ND	NA	NA	ND	**ND**
Cadmium		ND	ND	NA	ND	ND	ND	ND	NA	NA	ND	**ND**
Chromium		ND	ND	NA	ND	ND	ND	ND	NA	NA	ND	**ND**
Copper		ND	ND	NA	ND	ND	ND	ND	NA	NA	ND	**ND**
Lead		ND	ND	NA	ND	ND	ND	ND	NA	NA	ND	**ND**
Mercury		ND	ND	NA	ND	ND	ND	ND	NA	NA	0.00023	**0.00023**
Nickel		0.007	ND	NA	ND	ND	ND	ND	NA	NA	ND	**0.007**
Selenium		ND	ND	NA	ND	ND	ND	ND	NA	NA	ND	**ND**
Silver		ND	0.036	NA	ND	ND	ND	ND	NA	NA	ND	**0.036**
Thallium		ND	ND	NA	0.118	ND	ND	ND	NA	NA	0.133	**0.133**
Zinc		0.024	ND	NA	ND	ND	ND	ND	NA	NA	ND	**0.024**
Miscellaneous Parameters												
pH (units)		6.9	6.8	6.7	6.8	7	7.5	7.5	6.9	6.9	6.8	**7.5**
Spec. Cond. (umhos)		825	1,150	2,100	1,400	2,500	1,540	1,540	2,500	2,500	1,300	**2500**
Temp. (deg/centigrade)		22	16	13	22	17	10	10	16	16	24	**24**
TOC		7	NA	NA	11	NA	NA	NA	NA	NA	12	**12**
Total Phenols		NA	NA	NA	NA	0.077	NA	NA	NA	NA	NA	**0.077**
TOX		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Total Dissolved Solids (TDS)		746	NA	NA	1,540	NA	NA	NA	NA	NA	1,378	1540
Bicarbonate, as CACO3		NA	NA	NA	NA	NA	NA	NA	480	460	NA	480
Calcium		NA	NA	NA	NA	NA	NA	NA	256	265	NA	265
Chloride		35	NA	NA	330	NA	NA	NA	267	275	205	**330**
Cyanide		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Iron		NA	NA	NA	NA	NA	NA	NA	23.9	23.6	NA	23.9
Magnesium		NA	NA	NA	NA	NA	NA	NA	57.9	59.2	NA	59.2
Potassium		NA	NA	NA	NA	NA	NA	NA	19.7	20	NA	20
Sodium		NA	NA	NA	NA	NA	NA	NA	84.4	86.8	NA	86.8
Sulfate, as SO4		NA	NA	NA	NA	NA	NA	NA	360	330	NA	360

0220

SAUGET Analytical Data

Area 2 - Monsanto

GROUNDWATER SAMPLES

Priority Pollutant Metals/Miscellaneous Parameters (mg/l)

Collected by Geraghty & Miller

Sample Number	GM-19C	GM-19C	GM-20A	GM-20A	GM-20A	GM-20B	GM-20B	GM-20B	GM-21A	GM-21A	Maximum
Date Collected	11/84	2/85	9/84	11/85	2/86	9/84	2/85	11/85	9/84	11/85	Detected
METALS											
Antimony	ND	ND	0.022	NA	ND	0.011	ND	NA	0.024	NA	**0.024**
Arsenic	ND	ND	ND	NA	ND	0.003	ND	NA	ND	NA	0.003
Beryllium	ND	ND	ND	NA	ND	ND	ND	NA	ND	NA	**ND**
Cadmium	ND	ND	ND	NA	ND	ND	ND	NA	ND	NA	**ND**
Chromium	ND	ND	ND	NA	ND	ND	ND	NA	ND	NA	**ND**
Copper	ND	ND	ND	NA	ND	ND	ND	NA	ND	NA	**ND**
Lead	ND	ND	ND	NA	ND	ND	ND	NA	ND	NA	**ND**
Mercury	ND	ND	ND	NA	ND	0.00029	ND	NA	ND	NA	0.00029
Nickel	ND	ND	0.014	NA	0.01	ND	ND	NA	0.016	NA	**0.016**
Selenium	ND	ND	0.003	NA	ND	0.005	ND	NA	ND	NA	0.005
Silver	ND	ND	ND	NA	ND	ND	ND	NA	ND	NA	**ND**
Thallium	ND	ND	0.172	NA	ND	0.094	ND	NA	0.153	NA	**0.172**
Zinc	ND	ND	0.026	NA	0.067	ND	ND	NA	0.02	NA	**0.067**
Miscellaneous Parameters											
pH (units)	7	7	6.8	7.2	NA	6.9	7.6	7.9	6.9	6.7	**7.9**
Spec. Cond. (umhos)	2,000	1,700	1,400	2,200	840	1,700	900	2,000	1,500	2,100	**2200**
Temp. (deg/centigrade)	18	10	20	14	13.5	20	10	14	20	13	**20**
TOC	NA	NA	5	NA	NA	38	NA	NA	10	NA	**38**
Total Phenols	NA	NA	NA	NA	NA	NA	NA	0.0616	NA	0.57	**0.57**
TOX	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Total Dissolved Solids (TDS)	NA	NA	916	NA	NA	1,250	NA	NA	1,454	NA	**1454**
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Chloride	NA	NA	75	NA	NA	175	NA	NA	210	NA	**210**
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**

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0230

SAUGET Analytical Data
Area 2 - Monsanto

GROUNDWATER SAMPLES
Priority Pollutant Metals/Miscellaneous Parameters (mg/l)
Collected by Geraghty & Miller

Sample Number	GM-21A	GM-21B	GM-21B	GM-22A	GM-22A	GM-22A	GM-22B	GM-22B	GM-22B	GM-23	Maximum
Date Collected	2/86	2/85	5/85	9/84	2/85	11/85	2/85	2/85*	5/85	9/84	Detected
METALS											
Antimony	ND	ND	ND	0.028	ND	NA	ND	ND	ND	0.032	**0.032**
Arsenic	ND	ND	ND	0.002	0.028	NA	ND	ND	ND	ND	**0.028**
Beryllium	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	NA	ND	ND	ND	3.94	**3.94**
Chromium	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
Copper	ND	ND	ND	ND	ND	NA	ND	ND	ND	0.02	0.02
Lead	ND	ND	ND	ND	ND	NA	ND	ND	ND	0.012	**0.012**
Mercury	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
Nickel	0.01	ND	ND	0.007	0.02	NA	ND	ND	ND	0.016	**0.02**
Selenium	ND	ND	ND	ND	ND	NA	ND	ND	ND	0.004	**0.004**
Silver	ND	ND	ND	ND	ND	NA	ND	ND	ND	0.001	0.001
Thallium	ND	ND	ND	0.127	ND	NA	ND	ND	ND	0.012	**0.127**
Zinc	0.066	ND	0.08	0.034	ND	NA	ND	ND	0.02	0.026	**0.08**
Miscellaneous Parameters											
pH (units)	NA	7	6.8	6.7	7.6	6.5	8.1	8.1	7	6.2	**8.1**
Spec. Cond. (umhos)	1,000	800	870	950	1,875	2,500	1,350	1,350	520	1,150	**2500**
Temp. (deg/centigrade)	13.5	13	16	21	10	14	10	10	16	18	**21**
TOC	NA	NA	NA	64	NA	NA	NA	NA	0.053	NA	**64**
Total Phenols	NA	NA	NA	NA	3,800	6.7	NA	NA	NA	NA	**3800**
TOX	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Total Dissolved Solids (TDS)	NA	NA	NA	996	NA	NA	NA	NA	NA	694	996
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Chloride	NA	NA	NA	80	NA	NA	NA	NA	NA	24	**80**
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**

SAUGET Analytical Data
Area 2 - Monsanto

GROUNDWATER SAMPLES
Priority Pollutant Metals/Miscellaneous Parameters (mg/l)
Collected by Geraghty & Miller

Sample Number	GM-23	GM-23	GM-24A	GM-24A	GM-24B	GM-24B	GM-26A	GM-26A	GM-26A	GM-26B	Maximum
Date Collected	11/85	2/86	9/84	11/84	9/84	11/84	9/84	11/85	2/86	9/84	Detected
METALS											
Antimony	NA	ND	0.018	ND	0.013	ND	0.038	NA	ND	0.048	**0.048**
Arsenic	NA	ND	ND	ND	ND	ND	ND	NA	ND	0.002	**0.002**
Beryllium	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	**ND**
Cadmium	NA	ND	ND	ND	ND	ND	7.65	NA	ND	6.05	**7.65**
Chromium	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	**ND**
Copper	NA	ND	ND	ND	ND	ND	0.044	NA	0.05	0.03	**0.05**
Lead	NA	ND	ND	ND	ND	ND	0.01	NA	ND	0.011	**0.011**
Mercury	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	**ND**
Nickel	NA	ND	ND	ND	ND	ND	0.04	NA	ND	0.016	**0.04**
Selenium	NA	ND	ND	ND	ND	ND	0.031	NA	ND	ND	**0.031**
Silver	NA	ND	ND	ND	ND	ND	0.001	NA	ND	0.001	**0.001**
Thallium	NA	ND	0.126	ND	0.1	ND	0.016	NA	ND	0.014	**0.126**
Zinc	NA	0.079	0.052	ND	0.045	ND	0.136	NA	ND	0.049	**0.136**
Miscellaneous Parameters											
pH (units)	7	NA	6.5	7	7.4	7.5	6.9	7.3	6.9	6.4	**7.5**
Spec. Cond. (umhos)	1,600	890	975	1,200	950	670	1,050	3,300	1,590	1,425	**3300**
Temp. (deg/centigrade)	13	13	22	NA	21	13	23	15	15	18	**23**
TOC	NA	NA	6	NA	6	NA	34	NA	NA	7	**34**
Total Phenols	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
TOX	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Total Dissolved Solids (TDS)	NA	NA	714	NA	584	NA	1,346	NA	NA	860	**1346**
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Chloride	NA	NA	40	NA	40	NA	57	NA	NA	30	**57**
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**ND**

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SAUGET Analytical Data
Area 2 - Monsanto

GROUNDWATER SAMPLES
Priority Pollutant Metals/Miscellaneous Parameters (mg/l)
Collected by Geraghty & Miller

	Sample Number	GM-26B	GM-26B	DW-35	DW-35	DW-36	DW-36	DW-A	DW-A			Maximum
	Date Collected	2/85	11/85	2/85	5/85	2/85	5/85	11/85	2/86			Detected
METALS												
Antimony		ND	NA	ND	ND	ND	ND	ND	ND			ND
Arsenic		0.007	NA	ND	ND	ND	ND	ND	0.01			0.01
Beryllium		ND	NA	ND	ND	ND	ND	ND	ND			ND
Cadmium		ND	NA	ND	ND	ND	ND	ND	ND			ND
Chromium		ND	NA	ND	ND	ND	ND	ND	ND			ND
Copper		ND	NA	ND	ND	ND	ND	ND	ND			ND
Lead		ND	NA	ND	ND	ND	ND	ND	ND			ND
Mercury		ND	NA	ND	ND	ND	ND	ND	ND			ND
Nickel		ND	NA	ND	ND	ND	ND	ND	0.02			0.02
Selenium		ND	NA	ND	ND	ND	ND	ND	ND			ND
Silver		ND	NA	ND	ND	ND	ND	ND	ND			ND
Thallium		ND	NA	ND	ND	ND	ND	ND	ND			ND
Zinc		ND	NA	ND	0.07	ND	0.06	0.01	0.15			0.15
Miscellaneous Parameters												
pH (units)		7.4	7.2	7.4	6.9	7.4	7.2	6.8	6.7			7.4
Spec. Cond. (umhos)		875	1,400	690	840	650	520	3,750	1,000			3750
Temp. (deg/centigrade)		10	15	10	16	10	16	13	12			16
TOC		NA	NA	NA	NA	NA	NA	NA	NA			ND
Total Phenols		NA	NA	NA	NA	NA	0.056	0.34	0.0866			0.34
TOX		NA	NA	NA	NA	NA	NA	NA	NA			ND
Total Dissolved Solids (TDS)		NA	NA	NA	NA	NA	NA	NA	NA			ND
Bicarbonate, as CACO3		NA	NA	NA	NA	NA	NA	NA	NA			ND
Calcium		NA	NA	NA	NA	NA	NA	NA	NA			ND
Chloride		NA	NA	NA	NA	NA	NA	NA	NA			ND
Cyanide		NA	NA	NA	NA	NA	NA	NA	NA			ND
Iron		NA	NA	NA	NA	NA	NA	NA	NA			ND
Magnesium		NA	NA	NA	NA	NA	NA	NA	NA			ND
Potassium		NA	NA	NA	NA	NA	NA	NA	NA			ND
Sodium		NA	NA	NA	NA	NA	NA	NA	NA			ND
Sulfate, as SO4		NA	NA	NA	NA	NA	NA	NA	NA			ND

* - Replicate Analyses

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

*** - Envirodyne Engineers, Inc. (St. Louis, MO.) provided the laboratory services for the September 1984 sampling round. ETC (Edison, New Jersey) performed the analyses for the November 1984 through February 1986 sampling programs.

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

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ASSESSMENT OF GROUND-WATER CONDITIONS AT THE VILLAGE OF SAUGET TREATMENT PLANT SITES SAUGET, ILLINOIS

December 1986

Prepared by:

Geraghty & Miller, Inc.
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0291

0292

0290

SUMMARY OF GROUND-WATER QUALITY DATA SAUGET SANITARY DEVELOPMENT AND RESEARCH ASSOCIATION SAUGET, ILLINOIS

February 1988

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029

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CONTENTS

Table 1 Summary of Volatile Organic Compounds

Table 2 Summary of Acid Extractable Organic Compounds

Table 3 Summary of Base/Neutral Extractable Organic Compounds

Table 4 Summary Pesticide/PCB Compounds

Table 5 Summary of Metals and Miscellaneous Parameters

Summary of Volatile Organic Compounds in Ground Water, DDFA, Sauget, Illinois.

Well Number:	GM-19A	GM-19A	GM-19A	GM-19B	GM-19B	GM-19B	GM-19B	GM-19B	GM-19B	GM-19C
Date:	12/86	5/87	11/87	12/86	12/86*	5/87	5/87*	11/87	11/87*	12/86
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	4.4	13.1	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	7.4
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	24.5	35.6	<6.0	10.3	<6	8	<6	<6.0	<6.0	16.9
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	4.9	8.19	<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	<6.0	<6	<6	<6	<6	<6.0	<6.0	<6
cis-1,3-Dichloropropylene	<5	<5	<5.0	<5	<5	<5	<5	<5.0	<5.0	<5
trans-1,3-Dichloropropylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ethylbenzene	<7.2	<7.2	<7.2	<7.2	<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	9	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene chloride	<2.8	<2.8	<2.8	<2.8	<2.8	3.4	<2.8	15.7	5.02	19.2
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	7.55	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1
Toluene	<6	<6	<6.0	<6	<6	<6	<6	<6.0	<6.0	<6
trans-1,2-Dichloroethylene	<1.6	<1.6	9.96	<1.6	<1.6	9.6	1.7	<1.6	3.07	<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	<5.0	<5	<5	<5	<5	<5.0	<5.0	<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	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sub Total 1	37.9	53.6	26	10.3	0	21	1.7	16	8	43
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	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
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total VOC's Analyzed	37.9	53.6	26	10.3	0	21	1.7	16	8	43.45

NA Not Analyzed

* Replicate Sample

Well Number:	GM-19D	GM-19S	GM-21A	GM-21A	GM-21A	GM-21B	GM-21B	GM-21B	GM-22A	GM-22A	[illegible]
Date:	5/87	11/87	12/86	5/87	11/87	12/86	5/87	11/87	12/86	5/87	[illegible]
USEPA Priority Pollutant Volatile Organic Compounds Concentrations are in ug/L											
Acrolein	<100	<100	<100	<100	<100	<100	<100	<100	<2,000	<2,000	[illegible]
Acrylonitrile	<100	<100	<100	<100	<100	<100	<100	<100	<2,000	<2,000	[illegible]
Benzene	<4.4	5.32	<4.4	<4.4	<4.4	5.3	[illegible]	94.9	[illegible]	[illegible]	[illegible]
Bis (chloromethyl) ether	<10	<10	<10	<10	<10	<10	<10	<10	<200	<200	[illegible]
Bromoform	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<94	<94	[illegible]
Carbon tetrachloride	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<56	<56	[illegible]
Chlorobenzene	<6	<7.3	<2.7	<6	<6.0	38.8	596	705	6,240	8,[illegible]	[illegible]
Chlorodibromomethane	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<62	<62	[illegible]
Chloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<200	<200	[illegible]
2-Chloroethylvinyl ether	<10	<10	<10	<10	<10	<10	<10	<10	<200	<200	[illegible]
Chloroform	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	1,320	268	[illegible]
Dichlorobromomethane	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<44	<44	[illegible]
Dichlorodifluoromethane	<10	<10	<10	<10	<10	<10	<10	<10	<200	<200	[illegible]
1,1-Dichloroethane	<4.7	<4.7	<4.7	18	<4.7	10.9	17.8	34.2	7,570	8,[illegible]	[illegible]
1,2-Dichloroethane	<2.8	<2.8	<2.8	<2.8	<2.8	1	<2.8	<2.8	1,230	1,370	[illegible]
1,1-Dichloroethylene	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	887	660	[illegible]
1,2-Dichloropropane	<6	<6.0	<6	<6	<6.0	<6	<6	<6.0	<120	<120	[illegible]
cis-1,3-Dichloropropylene	<5	<5.0	<5	<5	<5.0	<5	<5	<5.0	<100	<100	[illegible]
trans-1,3-Dichloropropylene	<10	<10	<10	<10	<10	<10	<10	<10	<200	<200	[illegible]
Ethylbenzene	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	394	514	[illegible]
Methyl bromide	<10	<10	<10	<10	<10	<10	<10	<10	<200	<200	[illegible]
Methyl chloride	<10	<10	<10	<10	<10	<10	<10	<10	<200	<200	[illegible]
Methylene chloride	4.6	6.88	15.4	<2.8	<2.8	<2.8	<2.8	<2.8	17,400	12,200	[illegible]
1,1,2,2-Tetrachloroethane	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	731	172	[illegible]
Tetrachloroethylene	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	274	254	[illegible]
Toluene	<6	<6.0	<6	<6	<6.0	<6	<6	<6.0	12,600	17,300	[illegible]
trans-1,2-Dichloroethylene	<1.6	<1.6	176.0	20.5	<1.6	<1.6	36.9	28.1	64,600	51,700	[illegible]
1,1,1-Trichloroethane	<3.8	<3.8	<3.8	25	56.0	<3.8	<3.8	<3.8	5,610	2,860	[illegible]
1,1,2-Trichloroethane	<5	<5.0	1	<5.0	<5.0	<5	<5	<5.0	<100	<100	[illegible]
Trichloroethylene	<1.9	<1.9	22.6	11.3	<1.9	<1.9	<1.9	<1.9	3,480	292	[illegible]
Trichlorofluoromethane	<10	<10	<10	<10	<10	<10	<10	<10	<200	<200	[illegible]
Vinyl chloride	<10	15.4	<10	<10	<10	189.6	23.4	80.0	66,000	45,300	[illegible]
Sub Total 1	4.6	74.9	257.7	74.8	56	245.58	[illegible]	942.2	203,036	164,660	[illegible]
Miscellaneous Volatile Organic Compounds											
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-iso-butyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	33,600	24,500	[illegible]
Methyl isoamyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	2,000	1,080	[illegible]
m-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	848	1190	[illegible]
o-Xylene/p-xylene	NA	NA	NA	NA	NA	NA	NA	NA	754	<200	[illegible]
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	NA	NA	NA	NA	NA	NA	NA	NA	37,202	26,770	[illegible]
Total VOC's Analyzed	4.6	74.9	257.7	74.8	56	245.58	[illegible]	942.2	240,238	[illegible]	[illegible]

NA Not Analyzed

* Replicate Sample

[illegible] Compounds in Ground Water, USEPA Budget, [illegible]

[illegible] Number:	GM-22B	GM-22B	GM-22B	GM-54A	GM-54B	EE-21	EE-21	EE-22	EE-22	EE-23
Date:	12/86	5/87	11/87	11/87	11/87	3/24/87	7/14/87	3/24/87	7/14/87	3/24/87
USEPA Priority Pollutant Volatile Organic Compounds Concentrations are in ug/L										
Acrolein	<100	<100	<100	<100	<100	<100	<100	<50,000	<50,000	<100
Acrylonitrile	<100	<100	<100	<100	<100	<100	<100	<50,000	<50,000	<100
Benzene	<4.4	115	<4.4	<4.4	<4.4	<4.4	<4.4	206,000	219,000	<4.4
Bis (chloromethyl) ether	<10	<10	<10	<10	<10	<10	<10	<5,000	<5,000	<10
Bromoform	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<2,400	<2,400	<4.7
Carbon tetrachloride	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<1,400	<1,400	<2.8
Chlorobenzene	33.2	37.7	<6.0	<6.0	83.0	<6.0	<6.0	139,000	151,000	<6.0
Chlorodibromomethane	<6.0	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<1,600	<1,600	<3.1
Chloroethane	<10	18	<10	<10	<10	<10	<10	<5,000	<5,000	<10
2-Chloroethylvinyl ether	<10	<10	<10	<10	<10	<10	<10	<5,000	<5,000	<10
Chloroform	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	3,130	2,530	<1.6
Dichlorobromomethane	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<1,100	<1,100	<2.2
Dichlorodifluoromethane	<10	<10	<10	<10	<10	<10	<10	<5,000	<5,000	<10
1,1-Dichloroethane	<4.7	118	<4.7	<4.7	<4.7	<4.7	<4.7	3,360	<2,400	<4.7
1,2-Dichloroethane	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	3,460	<1,400	<2.8
1,1-Dichloroethylene	<2.8	116	<2.8	<2.8	<2.8	<2.8	<2.8	<1,400	<1,400	<2.8
1,2-Dichloropropane	<6	<6	<6.0	<6.0	<6.0	<6.0	<6.0	<3,000	<3,000	<6.0
cis-1,3-Dichloropropylene	<5	<5	<5.0	<5.0	<5.0	<5.0	<5.0	<2,500	<2,500	<5.0
trans-1,3-Dichloropropylene	<10	<10	<10	<10	<10	<10	<10	<5,000	<5,000	<10
Ethylbenzene	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<3,600	<3,600	<7.2
Methyl bromide	<10	<10	<10	<10	<10	<10	<10	<5,000	<5,000	<10
Methyl chloride	<10	<10	<10	<10	<10	<10	<10	<5,000	<5,000	<10
Methylene chloride	19.2	45.2	<2.8	9.37	13.5	<2.8	12.6	67,600	49,500	<2.8
1,1,2,2-Tetrachloroethane	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	9,980	16,200	<6.9
Tetrachloroethylene	<4.1	22.5	<4.1	<4.1	<4.12	<4.1	<4.1	<2,100	<2,100	<4.1
Toluene	<6	33.7	<6.0	<6.0	<6.0	<6.0	<6.0	13,800	11,800	<6.0
trans-1,2-Dichloroethylene	<1.6	208.0	<1.6	<1.6	<1.6	<1.6	<1.6	25,000	27,900	<1.6
1,1,1-Trichloroethane	<3.8	52.2	47.6	<3.8	<3.8	<3.8	<3.8	9,380	7,830	<3.8
1,1,2-Trichloroethane	<5	<5	<5.0	<5.0	<5.0	<5.0	<5.0	<2,500	<2,500	<5.0
Trichloroethylene	<1.9	63.5	6.67	<1.9	<1.9	<1.9	<1.9	72,300	55,300	<1.9
Trichlorofluoromethane	<10	<10	<10	<10	<10	<10	<10	<5,000	<5,000	<10
Vinyl chloride	<10	235	<10	<10	<10	<10	<10	<5,000	<5,000	<10
Sub Total 1	52.4	1,064.8	54	9.4	101	0	12.6	553,010	541,060	0
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	<10	<10	73,500	67,700	<10
Methyl ethyl ketone	NA	NA	NA	NA	NA	<10	<10	91,600	92,100	<10
Carbon disulfide	NA	NA	NA	NA	NA	<10	<10	<5,000	<5,000	<10
Vinyl acetate	NA	NA	NA	NA	NA	<10	<10	<5,000	<5,000	<10
2-Hexanone	NA	NA	NA	NA	NA	<10	<10	<5,000	<5,000	<10
Methyl-iso-butyl ketone	NA	NA	NA	<10	<10	NA	NA	34,200	25,200	<10
Methyl isoamyl ketone	NA	NA	NA	<10	<10	NA	NA	<5,000	<5,000	NA
m-Xylene	NA	NA	NA	<10	<10	<10	<10	<5,000	<5,000	<10
o-Xylene/p-xylene	NA	NA	NA	<10	<10	<10	<10	<5,000	<5,000	<10
Styrene	NA	NA				<10	<10	<5,000	<5,000	<10
Sub Total 2	NA	NA	NA	0	0	0	0	199,300	185,000	0
Total VOC's Analyzed	52	1,065	54	9.4	101	0	13	752,310	726,060	

NA = Not Analyzed

* = Replicate Sample

0290

Table [illegible] Ground Water, USEPA, Budget, [illegible]

Well Number:	EE-23	EE-24	EE-24*	EE-24	EE-25	EE-25	Field Blank	Field Blank	Trip Blank	Trip Blank
Date:	7/14/87	3/24/87	3/24/87	7/14/87	3/24/87	7/14/87	3/24/87	7/14/87	3/24/87	7/14/87
USEPA Priority Pollutant Volatile Organic Compounds Concentrations are in ug/L										
Acrolein	<100	<100	[illegible]	<100	<100	<100	<100	<100	<100	<100
Acrylonitrile	<100	<100		<100	<100	<100	<100	<100	<100	<100
Benzene	<4.4	14.3		8.0	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4
Bis (chloromethyl) ether	<10	<10		<10	<10	<10	<10	<10	<10	<10
Bromoform	<4.7	<4.7	<4.	[illegible]	<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
Chlorobenzene	<6.0	<6.0	<6.0		<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
Chlorodibromomethane	<3.1	<3.1	<3.1		[illegible]	<3.1	<3.1	<3.1	<3.1	<3.1
Chloroethane	<10	<10	<10	<10		<10	<10	<10	<10	<10
2-Chloroethylvinyl ether	<10	<10	<10	<10		<10	<10	<10	<10	<10
Chloroform	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	6.6	<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	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
cis-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,3-Dichloropropylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ethylbenzene	<7.2	<7.2	<7.2	<7.2	<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	12.0	<2.8	<2.8	9.2	<2.8	12.1	<2.8	[illegible]	<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	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
trans-1,2-Dichloroethylene	<1.6	<1.6	[illegible]		<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	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethylene	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Trichlorofluoromethane	19.0	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl chloride	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sub Total 1	31	14.3	13.1	17.2	0	12.1	6.6	9.6	0	0
Miscellaneous Volatile Organic Compounds										
Acetone	17.4	<10	<10	<10	<10	15.8	13.6	<10	49.3	[illegible]
Methyl ethyl ketone	<10	<10	<10	<10	[illegible]	<10	<10	<10	<10	<10
Carbon disulfide	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl acetate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methyl-iso-butyl ketone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methyl isoamyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m-Xylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
o-Xylene/p-xylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Styrene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sub Total 2	17.4	0	0	0	0	15.8	13.6	0	49.3	[illegible]
Total VOC's Analyzed	48	14.3	13.1	17.2	0	27.9	20.2	9.6	49.3	[illegible]

NA Not Analyzed

* Replicate Sample

0299

[illegible] Volatile Organic Compounds in Ground Water, [illegible]

Well Number:	EE-24*	EE-24	EE-25	EE-25	Field Blank	Field Blank	Trip Blank	Trip Blank
Date:	3/24/87	7/14/87	3/24/87	7/14/87	3/24/87	7/14/87	3/24/87	7/14/87
USEPA Priority Pollutant Volatile Organic Compounds Concentrations are in ug/L								
Acrolein	<100	<100	<100	<100	<100	<100	<100	<100
Acrylonitrile	<100	<100	<100	<100	<100	<100	<100	<100
Benzene	13.1	8.0	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4
Bis (chloromethyl) ether	<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
Carbon tetrachloride	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
Chlorobenzene	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
Chlorodibromomethane	<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
2-Chloroethylvinyl ether	<10	<10	<10	<10	<10	<10	<10	<10
Chloroform	<1.6	<1.6	<1.6	<1.6	6.6	<1.6	<1.6	<1.6
Dichlorobromomethane	<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
1,1-Dichloroethane	<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
1,1-Dichloroethylene	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
1,2-Dichloropropane	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
cis-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,3-Dichloropropylene	<10	<10	<10	<10	<10	<10	<10	<10
Ethylbenzene	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2
Methyl bromide	<10	<10	<10	<10	<10	<10	<10	<10
Methyl chloride	<10	<10	<10	<10	<10	<10	<10	<10
Methylene chloride	<2.8	9.2	<2.8	12.1	<2.8	9.6	<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
Tetrachloroethylene	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1
Toluene	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
trans-1,2-Dichloroethylene	<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
1,1,2-Trichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethylene	<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
Vinyl chloride	<10	<10	<10	<10	<10	<10	<10	<10
Sub Total 1	13.1	17.2	0	12.1	6.6	9.6	0	0
Miscellaneous Volatile Organic Compounds								
Acetone	<10	<10	<10	15.8	13.6	<10	49.3	11.6
Methyl ethyl ketone	<10	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl acetate	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	<10	<10	<10	<10	<10	<10	<10	<10
Methyl-iso-butyl ketone	<10	<10	<10	<10	<10	<10	<10	<10
Methyl isoamyl ketone	NA	NA	NA	NA	NA	NA	NA	NA
m-Xylene	<10	<10	<10	<10	<10	<10	<10	<10
o-Xylene/p-xylene	<10	<10	<10	<10	<10	<10	<10	<10
Styrene	<10	<10	<10	<10	<10	<10	<10	<10
Sub Total 2	0	0	0	15.8	13.6	0	49.3	11.6
Total VOC's Analyzed	13.1	17.2	0	27.9	20.2	9.6	49.3	11.6

NA Not Analyzed

* Replicate Sample

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Table [illegible] Summary of Acid Extractable Organic Compounds in Ground Water, USEPA, Sauget, [illegible]

Well Number:	GM-19A	GM-19A	GM-22A	GM-22A	GM-22A	GM-54A	GM-54B	EE-21	EE-21	EE-22	EE-[illegible]
Date:	12/86	5/87	12/86	5/87	11/87	11/87	11/87	3/24/87	7/14/87	[illegible]	[illegible]
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L											
2-Chlorophenol	<3.5	6.3	<3.5	<73	<5.4	<3.5	3.99	<3.7	<3.3	<73	81.5
2,4-Dichlorophenol	<2.8	6.4	<2.9	<60	<2.8	<2.8	3.96	<3	<2.7	<60	90.7
2,4-Dimethylphenol	<2.8	<2.8	<2.9	<60	21.6	<2.8	<2.9	<3	<2.7	<60	85.7
4,6-Dinitro-o-cresol	<25	<25	<25	<530	<25	<25	<26	<27	<24	<530	<510
2,4-Dinitrophenol	<44	<43	<44	<930	<43	<44	<45	<47	<42	<930	<890
2-Nitrophenol	<3.8	<3.7	<3.8	<80	<3.7	<3.8	<3.9	<4	<3.6	<80	<77
4-Nitrophenol	<2.5	<2.5	<2.5	<53	<2.5	<3.5	<2.6	<2.7	<2.4	<53	<51
p-Chloro-m-cresol	<3.2	<3.1	<3.2	<67	<3.1	<3.2	<3.2	<3.3	<3.0	<67	<64
Pentachlorophenol	379	256	<3.8	<80	8.8	<3.8	<3.9	<4	<3.6	350	1,130
Phenol	<1.6	<1.5	175	230	609	<1.6	<1.6	<1.7	<1.5	<73	759
2,4,6-Trichlorophenol	<2.8	5.7	[illegible].6	<60	6.4	<2.8	<2.9	<3	<2.7	<60	66.9
Sub Total 1	379	874.4	181.6	230	645.8	0	8	0	0	823	2,213.0
Miscellaneous Acid Extractable Organic Compounds											
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	<11	<10	<220	<210
4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	<11	<10	456	454
Benzoic acid	NA	NA	NA	NA	NA	NA	NA	<11	<10	<220	<210
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	<11	<10	<220	<210
4-Chlorophenol	NA	NA	268	<747	35.7	<11	<11	NA	NA	NA	NA
Sub Total 2	0	0	268	0	35.7	0	0	0	0	456	454
Total Acid Compounds Analyzed	379	874.4	449.6	230	681.5	0	8	0	0	1279	2667.2

NA - Not Analyzed

Table 2. Summary of Acid Extractable Organic Compounds, Ground Water, SDWA, Saugus, [illegible]

Well Number:	EE-23	EE-23	EE-24	EE-24	EE-24	EE-25	EE-25	Field Blank	Field Blank
Date:	3/24/87	7/14/87	3/24/87	3/24/87*	7/14/87	3/24/87	7/14/87	3/24/87	3/24/87
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L									
2-Chlorophenol	<3.7	<3.5	<3.4	<3.3	<3.4	<3.3	<3.4	<3.8	<3.3
2,4-Dichlorophenol	<3	<2.9	<2.8	<2.7	3.9	<2.7	<2.8	<3.1	<2.7
2,4-Dimethylphenol	<3	<2.9	<2.8	<2.7	<2.8	<2.7	<2.8	<3.1	<2.7
4,6-Dinitro-o-cresol	<27	<26	<25	<24	<24	<24	<25	<28	<24
2,4-Dinitrophenol	<47	<45	<43	<42	<43	<42	<44	<48	<42
2-Nitrophenol	<4	<3.8	<3.7	<3.6	<3.7	<3.6	<3.8	<4.1	<3.6
4-Nitrophenol	<2.7	<2.6	<2.5	<2.4	3.0	<2.4	<2.5	<2.8	<2.4
p-Chloro-m-cresol	<3.3	<3.2	<3.1	<3.0	<3.1	<3.0	<3.1	11.8	<3.0
Pentachlorophenol	<4	<3.8	<3.7	24.1	<3.7	<3.6	<3.8	<4.1	<3.6
Phenol	1.8	<1.6	<1.5	<1.5	<1.5	<1.5	<1.6	<1.7	<1.5
2,4,6-Trichlorophenol	<3	<2.9	<2.8	<2.7	<2.8	<2.7	<2.8	<3.1	<2.7
Sub Total 1	1.8	0	0	24.1	6.9	0	0	11.8	0
Miscellaneous Acid Extractable Organic Compounds									
2-Methylphenol	<11	<11	<10	<10	<10	<10	<10	<11	<10
4-Methylphenol	<11	<11	<10	<10	<10	<10	<10	<11	<10
enzoic acid	<11	<11	<10	<10	<10	<10	<10	<11	<10
2,4,5-Trichlorophenol	<11	<11	<10	<10	<10	<10	<10	<11	<10
4-Chlorophenol	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	1.8	0	0	24.1	6.9	0	0	11.8	0

NA - Not Analyzed
* - Replicate Sample

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Table 3. Summary of Base/Neutral Extractable Organic Compounds in Ground Water, [illegible]

Well Designation:	GM-22A	GM-22A	GM-22A	GM-54A	GM-54B	EE-21	EE-21	EE-22	EE-22	[illegible]
Date:	12/86	5/87	11/87	11/87	11/87	3/24/87	7/14/87	3/24/87	7/14/87	[illegible]
USEPA Priority Pollutant Base/Neutral Extractable Organic Compounds Concentrations are in ug/L										
Acenaphthene	<2.0	<21	<1.9	<2.0	<2.1	<2.2	<1.9	<420	<20	[illegible]
Acenapthylene	<3.7	<39	<3.5	<3.7	<3.8	<4.0	<3.6	<780	<37	[illegible]
Anthracene	<2.0	<21	<1.9	<2.0	<2.1	<2.2	<1.9	<420	<20	[illegible]
Benzidine	<47	<490	<44	<46	<48	<50	<45	<9,800	<470	[illegible]
Benzo(a)anthracene	<8.3	<87	<7.9	<8.2	<8.5	<8.9	<8.0	<1,700	<83	[illegible]
Benzo(a)pyrene	<2.6	<28	<2.5	<2.6	<2.7	<2.8	<2.6	<560	<27	[illegible]
Benzo(b)fluoranthene	<11	<110	<10	<11	<11	<11	<10	<2,200	<110	[illegible]
Benzo(ghi)perylene	<4.3	<46	<4.1	<4.3	<4.5	<4.7	<4.2	<910	<44	[illegible]
Benzo(k)fluoranthene	<3.7	<39	<3.5	<3.7	<3.8	<4.0	<3.6	<780	<37	[illegible]
Bis(2-chloroethoxy)methane	<5.6	<59	<5.4	<5.6	<5.8	<6.0	<5.4	<1,200	<56	[illegible]
Bis(2-chloroethyl) ether	20.6	<63	<5.8	<6.0	<6.2	<6.5	<5.8	<1,300	<61	[illegible]
Bis(2-chloroisopropyl) ether	<6.0	<63	<5.8	<6.0	<6.2	<6.5	<5.8	<1,300	<61	[illegible]
Bis(2-ethylhexyl) phthalate	13.5	<110	<10	<11	18.4	<11	<10	<2,200	318	[illegible]
4-Bromophenyl phenyl ether	<2	<21	<1.9	<2.0	<2.1	<2.2	<1.9	<420	<20	[illegible]
Butyl benzyl phthalate	<11	<110	<10	<11	<11	<11	<10	<2,200	<110	[illegible]
2-Chloronaphthalene	<2	<21	<1.9	<2.0	<2.1	<2.2	<1.9	<420	<20	[illegible]
4-Chlorophenyl phenyl ether	<4.4	<47	<4.2	<4.4	<4.6	<4.8	<4.3	<930	<45	[illegible]
Chrysene	<2.6	<28	<2.5	<2.6	<2.7	<2.8	<2.6	<560	<27	[illegible]
Dibenzo(a,h)anthracene	<11	<110	<10	<11	<11	<11	<10	<2,200	<110	[illegible]
1,2-Dichlorobenzene	560	924	261	<2.0	<2.1	<2.2	<1.9	65,800	39,100	[illegible]
1,3-Dichlorobenzene	12.3	<21	7.0	<2.0	<2.1	<2.2	<1.9	2,970	<20	[illegible]
1,4-Dichlorobenzene	714	1130	276	<4.6	<4.8	<5.0	<4.5	89,500	39,100	[illegible]
3,3'-Dichlorobenzidine	<17	<180	<17	<17	<18	<19.3	<17	<3,730	<180	[illegible]
Diethyl phthalate	<11	<110	<10	<11	<11	<11	<10	<2,200	<110	[illegible]
Dimethyl phthalate	<11	<110	<10	<11	<11	<11	<10	<2,200	<110	[illegible]
Di-n-butyl phthalate	<11	<110	<10	<11	<11	<11	<10	<2,200	251	[illegible]
2,4-Dinitrotoluene	<6.0	<63	<5.8	<6.0	<6.2	<6.5	<5.8	<1,300	<61	[illegible]
2,6-Dinitrotoluene	<2.0	<21	<1.9	<2.0	<2.1	<2.2	<1.9	<420	<20	[illegible]
Di-n-octyl phthalate	<11	<110	<10	<11	50.4	<11	<10	<2,200	<110	[illegible]
1,2-Diphenylhydrazine	<11	<110	<10	<11	<11	<11	<10	<2,200	<110	[illegible]
Fluoranthene	<2.3	<24	<2.2	<2.3	<2.4	<2.5	<2.2	<490	<23	[illegible]
Fluorene	<2.0	<21	<1.9	<2.0	<2.1	<2.2	<1.9	<420	<20	[illegible]
Hexachlorobenzene	<2.0	<21	<1.9	<2.0	<2.1	<2.2	<1.9	<420	<20	[illegible]
Hexachlorobutadiene	<0.9	<10	<0.9	<.95	<.98	<1.0	<.9	<200	<9.6	[illegible]
Hexachlorocyclopentadiene	<11	<110	<10	<11	<11	<11	<10	<2,200	<110	[illegible]
Hexachloroethane	<1.7	<18	<1.6	<1.7	<1.7	<1.8	<1.6	<360	<17	[illegible]
Indeno(1,2,3-c,d)pyrene	<5.0	<52	<4.7	<4.9	<5.1	<5.3	<4.8	<1,000	<50	[illegible]
Isophorone	3.9	<24	<2.2	<2.3	<2.4	<2.5	<2.2	<490	<23	[illegible]
Naphthalene	21.2	33.5	9.8	<1.7	<1.7	<1.8	<1.6	1,960	738	[illegible]
Nitrobenzene	<2.0	<21	<1.9	<2.0	<2.1	<2.2	[illegible]	<420	<20	[illegible]
n-Nitrosodimethylamine	<11	<110	<10	<11	<11	<11		<2,200	<110	[illegible]
n-Nitrosodi-n-propylamine	<11	<110	<10	<11	<11	<11	<10	<2,200	<110	[illegible]
n-Nitrosodiphenylamine	<2.0	<21	<1.9	<2.0	<2.1	<2.2	<1.9	<420	<20	[illegible]
Phenanthrene	<5.7	<60	<5.5	<5.7	<5.9	<6.1	<5.5	<1,200	<57	[illegible]
Pyrene	<2.0	<21	<1.9	<2.0	<2.1	<2.2	<1.9	<420	<20	[illegible]
1,2,4-Trichlorobenzene	<2.0	29	<1.9	<2.0	<2.1	<2.2	<1.9	7,760	[illegible]	[illegible]
Sub Total 1	1,350.5	2,113.5	572.9	0	68.8	0	0	[illegible]	72,607	

* Replicate Sample

Table 3. Summary of Base/Neutral Extractable Organic Compounds in Ground Water, SSOPA, Saugus, [illegible]

Well Designation:	GM-22A	GM-22A	GM-22A	GM-54A	GM-54B	EE-21	EE-21	EE-22	EE-22	EE-23
Date:	12/86	5/87	11/87	11/87	11/87	3/24/87	7/14/87	3/24/87	7/14/87	3/24/87
Non-Priority Pollutant Base/Neutral Extractable Organic Compounds										
Benzyl alcohol	NA	NA	NA	NA	NA	<11	<10	<2,200	<110	<11
Aniline	NA	NA	NA	NA	NA	<11	<10	<2,200	173	<11
4-Chloroaniline	NA	NA	NA	NA	NA	<11	<10	<2,200	1,410	<11
2-Methylnaphthalene	NA	NA	NA	NA	NA	<11	<10	<2,200	<110	<11
2-Nitroaniline	NA	NA	NA	<11	<11	<11	<10	<2,200	<110	<11
3-Nitroaniline	NA	NA	NA	NA	NA	<11	<10	<2,200	<110	<11
Dibenzofuran	NA	NA	NA	NA	NA	<11	<10	<2,200	<110	<11
4-Nitroaniline	NA	NA	NA	<11	<11	<11	<10	<2,200	<110	<11
2-Nitrochlorobenzene	NA	NA	NA	<11	24.7	NA	NA	NA	NA	NA
4-Nitrochlorobenzene	NA	NA	NA	<11	<11	NA	NA	NA	NA	NA
2,4-and 3,4-Dinitrochlorobenzene	NA	NA	NA	<11	<11	NA	NA	NA	NA	NA
4-Nitrodiphenylamine	NA	NA	NA	<11	<11	NA	NA	NA	NA	NA
Triphenyl phosphate	NA	NA	NA	<11	<11	NA	NA	NA	NA	NA
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrobiphenyl	NA	NA	NA	<11	<11	NA	NA	NA	NA	NA
4-Nitrobiphenyl	NA	NA	NA	<11	<11	NA	NA	NA	NA	NA
Sub Total 2	NA	NA	NA	0	24.7	0	0	0	1,583	0
Total Base/Neutral Compounds Analyzed	1,351	2,114	572.9	0	93.5	0	0	167,990	74,190	0

NA Not analyzed
* Replicate sample

Table 3. Summary of Base/Neutral Extractable Organic Compounds in Ground Water, SSORA, Sauget, Illinois

Well Designation:	EE-23	EE-24	EE-24	EE-24	EE-25	EE-25	Field Blank	Field Blank	Trip Blank	Trip Blank
Date:	7/14/87	3/24/87	3/24/87*	7/14/87	3/24/87	7/14/87	3/24/87	7/14/87	3/24/87	7/14/87
USEPA Priority Pollutant Base/Neutral Extractable Organic Compounds Concentrations are in ug/L										
Acenaphthene	<2.0	<2.1	<2.1	<1.9	<2.2	<2.0	<2.2	<1.9	<2.1	<1.9
Acenapthylene	<3.7	<3.9	<3.8	<3.6	<4.0	<3.6	<4.0	<3.5	<3.9	<3.5
Anthracene	<2.0	<2.1	<2.1	<1.9	<2.2	<2.0	<2.2	<1.9	<2.1	<1.9
Benzidine	<46	<49	<48	<45	<51	<46	<51	<44	<49	<44
Benzo(a)anthracene	<8.2	<8.7	<8.6	<8.0	<9.0	<8.1	<9.0	<7.9	<8.7	<7.8
Benzo(a)pyrene	<2.6	<2.8	<2.7	<2.6	<2.9	<2.6	<2.9	<2.5	<2.8	<2.5
Benzo(b)fluoroanthene	<11	<11	<11	<10	<11	<10	<11	<10	<11	<10
Benzo(ghi)perylene	<4.3	<4.6	<4.5	<4.2	<4.7	<4.3	<4.7	<4.1	<4.6	<4.1
Benzo(k)fluoranthene	<3.7	<3.9	<3.8	<3.6	<4.0	<3.6	<4.0	<3.5	<3.9	<3.5
Bis(2-chloroethoxy)methane	<5.6	<5.9	<5.8	<5.4	<6.1	<5.5	<6.1	<5.4	<5.9	<5.3
Bis(2-chloroethyl) ether	<6.0	<6.3	<6.3	<5.8	<6.6	<5.9	<6.6	<5.8	<6.3	<5.7
Bis(2-chloroisopropyl) ether	<6.0	<6.3	<6.3	<5.8	<6.6	<5.9	<6.6	<5.8	<6.3	<5.7
Bis(2-ethylhexyl) phthalate	<11	<11	<11	<10	<6.3	<10	<11	<10	<11	<10
4-Bromophenyl phenyl ether	<2.0	<2.1	<2.1	<1.9	<2.2	<2.0	<2.2	<1.9	<2.1	<1.9
Butyl benzyl phthalate	<11	<11	<11	<10	<11	<10	<11	<10	<11	<10
2-Chloronaphthalene	<2.0	<2.1	<2.1	<1.9	<2.2	<2.0	<2.2	<1.9	<2.1	<1.9
4-Chlorophenyl phenyl ether	<4.4	<4.7	<4.6	<4.3	<4.8	<4.4	<4.8	<4.2	<4.7	<4.2
Chrysene	<2.6	<2.8	<2.7	<2.6	<2.9	<2.6	<2.9	<2.5	<2.8	<2.5
Dibenzo(a,h)anthracene	<11	<11	<11	<10	<11	<10	<11	<10	<11	<10
1,2-Dichlorobenzene	<2.0	<2.1	<2.1	<1.9	<2.2	<2.0	<2.2	<1.9	<2.1	<1.9
1,3-Dichlorobenzene	<2.0	<2.1	<2.1	<1.9	<2.2	<2.0	<2.2	<1.9	<2.1	<1.9
1,4-Dichlorobenzene	<4.6	<4.9	<4.8	<4.5	<5.1	<4.6	<5.1	<4.4	<4.9	<4.4
3,3'-Dichlorobenzidine	<17	<18.9	<18.7	<17	<19	<17	<19.5	<17	<18.9	<17
Diethyl phthalate	<11	<11	<11	<10	<11	<10	<11	<10	<11	<10
Dimethyl phthalate	<11	<11	<11	<10	<11	<10	<11	<10	<11	<10
Di-n-butyl phthalate	<11	<11	<11	<10	<11	<10	<11	<10	<11	<10
2,4-Dinitrotoluene	<6.0	<6.3	<6.3	<5.8	<6.6	<5.9	<6.6	<5.8	<6.3	<5.7
2,6-Dinitrotoluene	<2.0	<2.1	<2.1	<1.9	<2.2	<2.0	<2.2	<1.9	<2.1	<1.9
Di-n-octyl phthalate	<11	<11	<11	<10	<11	<10	<11	<10	<11	<10
1,2-Diphenylhydrazine	<11	<11	<11	<10	<11	<10	<11	<10	<11	<10
Fluoranthene	<2.3	<2.4	<2.4	<2.2	<2.5	<2.3	<2.5	<2.2	<2.4	<2.2
Fluorene	<2.0	<2.1	<2.1	<1.9	<2.2	<2.0	<2.2	<1.9	<2.1	<1.9
Hexachlorobenzene	<2.0	<2.1	<2.1	<1.9	<2.2	<2.0	<2.2	<1.9	<2.1	<1.9
Hexachlorobutadiene	<.95	<1.0	<.99	<.9	<1.0	<.94	<1.0	<.9	<1.0	<.9
Hexachlorocyclopentadiene	<11	<11	<11	<10	<11	<10	<11	<10	<11	<10
Hexachloroethane	<1.7	<1.8	<1.8	<1.6	<1.8	<1.7	<1.8	<1.6	<1.8	<1.6
Indeno(1,2,3-c,d)pyrene	<4.9	<5.2	<5.2	<4.8	<5.4	<4.9	<5.4	<4.7	<5.2	<4.7
Isophorone	<2.3	<2.4	<2.4	<2.2	<2.5	<2.3	<2.5	<2.2	<2.4	<2.2
Naphthalene	<1.7	<1.8	<1.8	<1.6	<1.8	<1.7	<1.8	<1.6	<1.8	<1.6
Nitrobenzene	<2.0	<2.1	<2.1	<1.9	<2.2	<2.0	<2.2	<1.9	<2.1	<1.9
n-Nitrosodimethylamine	<11	<11	<11	<10	<11	<10	<11	<10	<11	<10
n-Nitrosodi-n-propylamine	<11	<11	<11	<10	<11	<10	<11	<10	<11	<10
n-Nitrosodiphenylamine	<2.0	<2.1	<2.1	<1.9	<2.2	<2.0	<2.2	<1.9	<2.1	<1.9
Phenanthrene	<5.7	<6.0	<5.9	<5.5	<6.2	<5.6	<6.2	<5.5	<6.0	<5.4
Pyrene	<2.0	<2.1	<2.1	<1.9	<2.2	<2.0	<2.2	<1.9	<2.1	<1.9
1,2,4-Trichlorobenzene	<2.0	<2.1	<2.1	<1.9	<2.2	<2.0	<2.2	<1.9	<2.1	<1.9
Sub Total:	0	0	0	0	16.3	0	0	0	0	0

* Replicate Sample

0305

Table 3. Summary of Base/Neutral Extractable Organic Compounds in Ground Water, GSCRA, Sugget, [illegible]

Well Designation:	EE-23	EE-24	EE-24	EE-24	EE-25	EE-25	Field Blank	Field Blank	[illegible]	[illegible]
Date:	7/14/87	3/24/87	3/24/87*	7/14/87	3/24/87	7/14/87	3/24/87	7/14/87	[illegible]	[illegible]
Non-Priority Pollutant Base/Neutral Extractable Organic Compounds										
Benzyl alcohol	<11	<11	<11	<10	<11	<10	<11	<10	[illegible]	[illegible]
Aniline	<11	<11	<11	<10	<11	<10	<11	<10	[illegible]	[illegible]
4-Chloroaniline	<11	<11	<11	<10	<11	<10	<11	<10	[illegible]	[illegible]
2-Methylnaphthalene	<11	<11	<11	<10	<11	<10	<11	<10	[illegible]	[illegible]
2-Nitroaniline	<11	<11	<11	<10	<11	<10	<11	<10	[illegible]	[illegible]
3-Nitroaniline	<11	<11	<11	<10	<11	<10	<11	<10	[illegible]	[illegible]
Dibenzofuran	<11	<11	<11	<10	<11	<10	<11	<10	[illegible]	[illegible]
4-Nitroaniline	<11	<11	<11	<10	<11	<10	<11	<10	[illegible]	[illegible]
2-Nitrochlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrochlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-and 3,4-Dinitrochlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrodiphenylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Triphenyl phosphate	NA	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	NA
2-Nitrobiphenyl	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrobiphenyl	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	0	0	0	0	0	0	0	0	0	0
Total Base/Neutral Compounds Analyzed	0	0	0	0	16.3	0	0	0	0	0

NA Not analyzed

Table 4. Summary of Pesticide/PCB Compounds in Ground Water, SSDFA, Sauget, Illinois.

Well Designation:	GM-54A	GM-54B	EE-21	EE-21	EE-22	EE-22	EE-23	EE-23	EE-24	EE-24
Date:	11/87	11/87	3/24/87	7/14/87	3/24/87	7/14/87	3/24/87	7/14/87	3/24/87	3/24/87
USEPA Priority Pollutant Pesticide/PCB Compounds Concentrations are in ug/L										
Aldrin	<2.0	<2.1	<2.2	<1.9	<420	<20	<2.1	<2.0	<2.1	<2.1
Alpha-BHC	<11	<11	<11	<10	<2,200	<110	<11	<11	<11	<11
Beta-BHC	<4.5	<4.8	<5	<4.5	<980	<47	<4.9	<4.5	<4.9	<4.8
Gamma-BHC	<11	<11	<11	<10	<2,200	<110	<11	<11	<11	<11
Delta-BHC	<3.3	<3.4	<3.5	<3.2	<690	<33	<3.4	<3.3	<3.4	<3.4
Chlordane	<11	<11	<11	<10	<2,200	<110	<11	<11	<11	<11
4,4'-DDT	<2.9	<3.0	<3.2	<2.9	<620	<30	<3.1	<2.9	<3.1	<3.1
4,4'-DDE	<5.9	<6.1	<6.4	<5.7	<1,200	<60	<6.2	<5.9	<6.2	<6.2
4,4'-DDD	<4.9	<5.1	<5.3	<4.8	<1,000	<50	<5.2	<4.9	<5.2	<5.2
Dieldrin	<2.6	<2.7	<2.8	<2.6	<560	<27	<2.8	<2.6	<2.8	<2.7
Endosulfan I	<11	<11	<11	<10	<2,200	<110	<11	<11	<11	<11
Endosulfan II	<11	<11	<11	<10	<2,200	<110	<11	<11	<11	<11
Endosulfan sulfate	<5.9	<6.1	<6.4	<5.7	<1,200	<60	<6.2	<5.9	<6.2	<6.2
Endrin	<11	<11	<11	<10	<2,200	<110	<11	<11	<11	<11
Endrin aldehyde	<11	<11	<11	<10	<2,200	<110	<11	<11	<11	<11
Heptachlor	<2.0	<2.1	<2.2	<1.9	<420	<20	<2.1	<2.0	<2.1	<2.1
Heptachlor epoxide	<2.3	<2.4	<2.5	<2.2	<490	<23	<2.4	<2.3	<2.4	<2.4
PCB-1016	<38	<39	<41	<37	<8,000	890	<40	<38	<40	<40
PCB-1221	<38	<39	<41	<37	<8,000	<380	<40	<38	<40	<40
PCB-1232	<38	<39	<41	<37	<8,000	<380	<40	<38	<40	<40
PCB-1242	<38	<39	<41	<37	<8,000	<380	<40	<38	<40	<40
PCB-1248	<38	<39	<41	<37	<8,000	<380	<40	<38	<40	<40
PCB-1254	<38	<39	<41	<37	<8,000	<380	<40	<38	<40	<40
PCB-1260	<38	<39	<41	<37	<8,000	<380	<40	<38	<40	<40
Toxaphene	<11	<11	<11	<10	<2,200	<110	<11	<11	<11	<11
Total Pesticide/PCB Compounds	0	0	0	0	0	890	0	0	0	0

NA - Not Analyzed

Table 4. Summary of Pesticide/PCB Compounds in Ground Water, SSORA, Sauget, Illinois.

Well Designation:	EE-24	EE-25	EE-26	Field Blank	Field Blank
Date:	7/14/87	3/24/87	7/14/87	3/24/87	7/14/87
USEPA Priority Pollutant Pesticide/PCB Compounds Concentrations are in ug/L					
Aldrin	<1.9	<2.2	<2.0	<2.2	<1.9
Alpha-BHC	<10	<11	<10	<11	<10
Beta-BHC	<4.5	<5.1	<4.6	<5.1	<4.4
Gamma-BHC	<10	<11	<10	<11	<10
Delta-BHC	<3.2	<3.6	<3.2	<3.6	<3.1
Chlordane	<10	<11	<10	<11	<10
4,4'-DDT	<2.9	<3.2	<2.9	<3.2	<2.8
4,4'-DDE	<5.7	<6.4	<5.8	<6.4	<5.7
4,4'-DDD	<4.8	<5.4	<4.9	<5.4	<4.7
Dieldrin	<2.6	<2.9	<2.6	<2.9	<2.5
Endosulfan I	<10	<11	<10	<11	<10
Endosulfan II	<10	<11	<10	<11	<10
Endosulfan sulfate	<5.7	<6.4	<5.8	<6.4	<5.7
Endrin	<10	<11	<10	<11	<10
Endrin aldehyde	<10	<11	<10	<11	<10
Heptachlor	<1.9	<2.2	<2.0	<2.2	<1.9
Heptachlor epoxide	<2.2	<2.5	<2.3	<2.5	<2.2
PCB-1016	<37	<41	<38	<41	<36
PCB-1221	<37	<41	<38	<41	<36
PCB-1232	<37	<41	<38	<41	<36
PCB-1242	<37	<41	<38	<41	<36
PCB-1248	<37	<41	<38	<41	<36
PCB-1254	<37	<41	<38	<41	<36
PCB-1260	<37	<41	<38	<41	<36
Toxaphene	<10	<11	<10	<11	<10
Total Pesticide/PCB Compounds	0	0	0	0	0

NA - Not Analyzed

Summary of Metals and Miscellaneous Parameters in Ground Water, SSDRA, Sluiger

Well Designation:	GM-19A	GM-19A	GM-19A	GM-19B	GM-19B	GM-19B	GM-19B	GM-19B	GM-19B	GM-19C	[illegible]
Date:	12/86	5/87	11/87	12/86	12/86*	5/87	5/87*	11/87	11/87*	12/86	[illegible]
USEPA Priority Pollutant Metals (Concentrations are in mg/L, except where noted)											
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	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	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA	[illegible]	
Boron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	[illegible]
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters											
pH (units)	6.7	6.9	7.0	7.4	7.4	7.5	7.5	7.5	7.5	8.7	[illegible]
Spec. conductance (µmhos/cm)	1,800	1,500	1,000	1,380	1,380	1,300	1,300	1,900	1,900	900	[illegible]
Temperature (deg. C.)	13	15	15	13	13	15	15	14	14	13	[illegible]
Total Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total phenols	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NA - Not analyzed.
* - Replicate Sample

Table 5. Summary of Metals and Miscellaneous Parameters in Ground Water, SSDRA, Sauget, IL.

Well Designation:	GM-19C	GM-21A	GM-21A	GM-21A	GM-21B	GM-21B	GM-21B	GM-22A	GM-22A	GM-22A	GM-22B
Date:	11/87	12/86	5/87	11/87	12/86	5/87	11/87	12/86	5/87	11/87	12/86
USEPA Priority Pollutant Metals (Concentrations are in mg/L, except where noted)											
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	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	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters											
pH (units)	6.7	6.7	6.4	6.6	8.2	6.9	6.9	6.4	6.6	6.7	6.7
Spec. conductance (umhos/cm)	1,525	1,425	1,250	1,280	1,330	1,500	1,600	3,000	3,100	1,400	[illegible]
Temperature (deg. C.)	13	NA	17	16	13	15	15	13	15	15	13
Total Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total phenols	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NA - Not analyzed.
* - Replicate Sample

Table 5. Summary of Metals and Miscellaneous Parameters in Ground Water, 5009A, Sauget, [illegible]

Well Designation:	GM-22B	GM-22B	GM-54A	GM-54B	EE-21	EE-21	EE-22	EE-22	EE-23	[illegible]	[illegible]
Date:	[illegible]	[illegible]	11/87	11/87	3/24/87	7/14/87	3/24/87	7/14/87	3/24/87	[illegible]	[illegible]
USEPA Priority Pollutant Metals (Concentrations are in mg/L, except where noted)											
Antimony	NA	NA	<.080	<.080	<.089	<.14	<.089	<.14	<.089	[illegible]	[illegible]
Arsenic	NA	NA	<.010	<.010	<.010	<.010	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Beryllium	NA	NA	<.00078	<.00078	<.00054	<.00036	[illegible]	<.00036	[illegible]	[illegible]	[illegible]
Cadmium	NA	NA	<.0055	<.0055	<.0031	<.0029	[illegible]	<.0029	[illegible]	[illegible]	[illegible]
Chromium	NA	NA	<.032	<.032	<.017	<.017	<.017	<.017	<.017	[illegible]	[illegible]
Copper	NA	NA	<.012	<.012	<.014	<.012	<.014	<.012	<.014	[illegible]	[illegible]
Lead	NA	NA	<.062	0.005	<.048	<.083	<.048	<.083	<.048	<.083	[illegible]
Mercury	NA	NA	<.00020	<.0020	<.00022	<.00025	<.00022	<.00025	<.00022	<.00025	[illegible]
Nickel	NA	NA	<.015	<.015	<.0098	<.012	<.0098	<.012	<.0098	<.012	[illegible]
Selenium	NA	NA	<.005	<.005	<.0050	<.005	<.0050	<.005	<.0050	<.005	[illegible]
Silver	NA	NA	<.027	<.027	<.012	<.0093	<.012	<.0093	<.012	<.0093	[illegible]
Thallium	NA	NA	<.010	<.010	<.0050	<.005	<.0050	<.005	<.0050	<.005	[illegible]
Zinc	NA	NA	1.70	0.040	<.020	0.061	[illegible]	<.0068	[illegible]	[illegible]	[illegible]
Non-Priority Pollutant Metals											
Aluminum	NA	NA	NA	NA	<.099	<.066	<.099	<.066	<.099	<.066	[illegible]
Barium	NA	NA	NA	NA	0.15	0.134	0.613	0.477	[illegible]	[illegible]	[illegible]
Cobalt	NA	NA	NA	NA	<.023	<.028	<.023	<.028	<.023	<.028	[illegible]
Tin	NA	NA	NA	NA	<.048	<.0081	<.048	<.0081	<.048	<.0081	[illegible]
Vanadium	NA	NA	NA	NA	<.014	<.0014	<.014	<.0014	<.014	<.0014	[illegible]
Boron	NA	NA	NA	NA	0.47	0.37	0.50	0.46	[illegible]	[illegible]	[illegible]
Iron	NA	NA	NA	NA	20.9	17.7	[illegible]	202	23.8	[illegible]	[illegible]
Manganese	NA	NA	NA	NA	3.69	3.67	6.63	7.23	[illegible]	[illegible]	[illegible]
Miscellaneous Parameters											
pH (units)	7.4	7.4	6.9	7.1	6.8	7.4	6.9	7.5	[illegible]	[illegible]	[illegible]
Spec. conductance (umhos/cm)	800	900	1,200	1,450	1800	1400	3600	4000	[illegible]	[illegible]	[illegible]
Temperature (deg. C.)	15	15	17	18	14	NA	13	NA	13	NA	[illegible]
Total Cyanide	NA	NA	<.025	<.025	<.025	<.025	0.032	0.032	<.025	[illegible]	[illegible]
Total phenols	NA	NA	<.050	<.050	NA	NA	NA	NA	NA	NA	[illegible]

NA - Not analyzed.
* - Replicate Sample

Table 5. Summary of Metals and Miscellaneous Parameters in Ground Water, SSDRA, Sauget, ...

Well Designation:	EE-24*	EE-24	EE-25	EE-25	Field Blank	Field Blank
Date:	3/24/87	7/14/87	3/24/87	7/14/87	3/24/87	7/14/87
USEPA Priority Pollutant Metals (Concentrations are in mg/L, except where noted.						
Antimony	<.089	[illegible]	<.089	<.14	<.089	<.14
Arsenic	0.021	0.013	<.010	<.010	<.010	<.010
Beryllium	<.00054	<.00036	<.00054	<.00036	<.00054	<.00036
Cadmium	<.0031	<.0029	<.0031	<.0029	<.0031	<.0029
Chromium	<.017	<.017	<.017	<.017	<.017	<.017
Copper	<.014	<.012	<.014	<.012	<.014	<.012
Lead	<.048	<.083	<.048	<.083	<.048	<.083
Mercury	<.00022	<.00025	<.00022	<.00025	<.00022	<.00025
Nickel	<.0098	<.012	0.011	<.012	<.0098	<.012
Selenium	<.010	<.005	<.010	<.005	<.0050	<.005
Silver	<.012	<.0093	<.012	<.0093	<.012	<.0093
Thallium	<.0050	<.005	<.0050	<.005	<.0050	<.005
Zinc	<.020	0.073	<.020	0.0095	<.020	<.0063
Non-Priority Pollutant Metals						
Aluminum	<.099	<.066	<.099	<.066	<.099	<.066
Barium	0.18	0.217	0.12	0.091	<.0037	<.00095
Cobalt	<.023	<.028	<.023	<.028	<.023	<.028
Tin	<.048	<.0081	<.048	<.0081	<.048	<.0081
Vanadium	<.014	<.0014	<.014	<.0014	<.014	<.0014
Boron	0.35	0.32	0.46	<.35	<.015	<.013
Iron	44.2	40.3	3.8	1.77	<.20	<.150
Manganese	5.44	5.49	2.35	1.61	0.0064	<.0048
Miscellaneous Parameters						
pH (units)	7.2	7.4	7.0	7.8	NA	NA
Spec. conductance (umhos/cm)	4200	4800	1400	1200	NA	NA
Temperature (deg. C.)	14	NA	13	NA	NA	NA
Total Cyanide	<.025	<.025	<.025	<.025	<.025	<.025
Total phenols	NA	NA	NA	NA	NA	NA

NA - Not analyzed.
* - Replicate Sample

NOTE: THE DATA PRESENTED IN THIS SECTION PERTAINS TO MOST OF THE AREA 2 SITES INCLUDING THE MONSANTO PROPERTY. THIS DATA IS PRESENTED IN THE ORIGINAL REPORT FORMAT.

SOURCE: "RCRA Part B Application - Monsanto Company - W. G. Krummrich Plant"
Sauget, Illinois, December 15, 1990

R.C.R.A. PART B APPLICATION

MONSANTO COMPANY
W. G. KRUMMRICH PLANT
SAUGET, ILLINOIS

DECEMBER 15, 1990

RECEIVED
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0314

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	ORIGINAL 11/19/80		REVISION 1 9/25/84		REVISION 2 12/6/84		REVISION 3 5/28/85		REVISION 4 6/10/85		REVISION 5 8/8/86		REVISION 6 5/--/90		REVISION 7 12/14/90	
ITEM	CODE	QUANTITY	CODE	QUANTITY	CODE	QUANTITY	CODE	QUANTITY	CODE	QUANTITY	CODE	QUANTITY	CODE	QUANTITY	CODE	QUANTITY
071	K071	2,650,000	K071	400000	K071	400000	K071	400000	K071	400000	K071	400000				
085	K085	115,000	K085	125000	K085	125000	K085	125000	K085	175000	K085	175000	K085	175000	K085	220000
106									K106	*	K106	*				
022													P022	50	P022	50
024	P024	100														
077	P077	500	P077	500	P077	500	P077	500	P077	500	P077	500	P077	500	P077	500
106													P106	50		
001	U001	100														
002	U002	100							U002	*	U002	*	U002	100	U002	100
003	U003	100											U003	50	U003	50
007	U007	100														
008	U008	100														
012	U012	500							U012	100	U012	100	U012	100	U012	100
013	U013	1,100														
017	U017	1,881,000														
019	U019	100	U019	100	U019	100	U019	100	U019	100	U019	100	U019	50000	U019	50000
031	U031	100											U031	50	U031	50
037	U037	5,500	U037	5000	U037	5000	U037	5000	U037	5000	U037	5000	U037	5000	U037	5000
044	U044	50											U044	50	U044	50
070									U070	100	U070	100	U070	20000	U070	20000
071	U071	100	U071	100	U071	100	U071	100					U071	5000	U071	5000
2	U072	100	U072	100	U072	100	U072	100	U072	100	U072	100	U072	20000	U072	20000
080													U080	50	U080	50
109									U109	100	U109	100	U109	100		
123													U123	1000	U123	1000
140													U140	50	U140	50
147	U147	10,000														
151	U151	1,100														
154	U154	100											U154	50	U154	50
159	U159	500							U159	100	U159	100	U159	100	U159	100
161	U161	100	U161	100			U161	100	U161	100	U161	100	U161	100	U161	100
187	U187	1,000														
188	U188	100											U188	50	U188	50
189									U189	*	U189	*	U189	1000	U189	1000
190	U190	10,000														
211													U211	50		
213													U213	50	U213	50
220	U220	100											U220	50	U220	50
226	U226	500											U226	50	U226	50
239	U239	100	U239	100	U239	100	U239	100	U239	100	U239	100	U239	100	U239	100

	ORIGINAL 11/19/80		REVISION 1 9/25/84		REVISION 2 12/6/84		REVISION 3 5/28/85		REVISION 4 6/10/85		REVISION 5 8/8/86		REVISION 6 5/--/90		REVISION 7 12/14/90	
CODES	CODE	QUANTITY	CODE	QUANTITY	CODE	QUANTITY	CODE	QUANTITY	CODE	QUANTITY	CODE	QUANTITY	CODE	QUANTITY	CODE	QUANTITY
D001	D001	4,795,000	D001	500000	D001	500000	D001	625000	D001	625000	D001	625000	D001	625000	D001	625000
D002	D002	10,000	D002	10000	D002	10000	D002	30000	D002	30000	D002	30000	D002	30000	D002	30000
D003	D003	55,000	D003	55000	D003	55000	D003	55000	D003	55000	D003	55000	D003	55000	D003	55000
D005													D005	1000	D005	1000
D007													D007	1000	D007	1000
D008													D008	10000	D008	10000
D009	D009	20,000	D009	1000000	D009	1000000	D009	1000000	D009	1000000	D009	1000000	D009	10000	D009	10000
															D010	60000
D012							D012	1000	D012	1000	D012	1000	D012	1000	D012	1000
D013							D013	1000	D013	1000	D013	1000	D013	1000	D013	1000
D014							D014	1000	D014	1000	D014	1000	D014	1000	D014	1000
D015							D015	1000	D015	1000	D015	1000	D015	1000	D015	1000
D016							D016	1000	D016	1000	D016	1000	D016	1000	D016	1000
D017							D017	1000	D017	1000	D017	1000	D017	1000	D017	1000
															D018	2090000
															D021	2000000
															D027	400000
															D028	500
															D029	500
															D030	500
															D032	1000
															D034	500
															D035	100000
															D036	1500000
															D037	1000
															D039	500
															D040	500
															D041	1000
															D042	1000
F001	F001	10,000														
F001													F001	1000	F001	1000
F002	F002	10,000							F002	*	F002	*	F002	1000	F002	1000
F003	F003	10,000							F003	*	F003	*	F003	5000	F003	5000
F004	F004	10,000														
F005	F005	10,000							F005	*	F005	*	F005	1000	F005	1000
F020											F020	100	F020	100	F020	100
F021											F021	*	F021	100	F021	100

0310

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RCRA PART A SUMMARY SHEET

ORIGIONAL 11/19/80		REVISION 1 9/25/84		REVISION 2 12/6/84		REVISION 3 5/28/85		REVISION 4 6/10/85		REVISION 5 8/8/86		REVISION 6 5/--/90		REVISION 7 12/14/90	
CODE	QUANTITY	CODE	QUANTITY	CODE	QUANTITY	CODE	QUANTITY	CODE	QUANTITY	CODE	QUANTITY	CODE	QUANTITY	CODE	QUANTITY
S01	200,000	S01 GAL	200,000	S01 GAL	400,000	S01 GAL	400,000	S01 GAL	400,000	S01 GAL	400,000	S01 GAL	400,000	S01 GAL	400,000
S02	350,000	S02 GAL	5,000	S02 GAL	5,000	S02 GAL	13,000	S02 GAL	13,000	S02 GAL	13,000	S02 GAL	13,000	S02 GAL	13,000
S03 Y	40	S03 YDS	40	S03 YDS	40	DELETED		DELETED		DELETED		DELETED		DELETED	
T01	400	T01 GAL/	400	T01 GAL/	400	T01 GAL/	400	T01 GAL/	400	T01 GAL/	400	DELETED		DELETED	
T03 T	2	DELETED		DELETED		DELETED		DELETED		DELETED		DELETED		DELETED	
T04 G	9,000	T04 GAL/H	9,000	T04 GAL/H	9,000	T04 GAL/H	9,000	T04 GAL/H	9,000	T04 GAL/H	9,000	DELETED		DELETED	
						S01 YDS	40	S01 YDS	40	S01 YDS	40	S01 YDS	40	S01 YDS	40
														T01 GAL/C	6000
														S02 GAL	8000

CONTENTS

Table 1	Summary of Volatile Organic Compounds
Table 2	Summary of Acid Extractable Organic Compounds
Table 3	Summary of Base/Neutral Extractable Organic Compounds
Table 4	Summary of Pesticide/PCB Compounds
Table 5	Summary of Metals and Miscellaneous Parameters

Table [illegible]. Summary of Volatile Organic Compounds in Ground Water, Krumkill Plant, Albany [illegible]

Well Number:	GM-4A	GM-4A	GM-4A	GM-4A	GM-4A	GM-4A	GM-4B	GM-4B	GM-4B	GM-4B
Date:	12/86	5/87	11/87	5/88	11/88	11/89	12/86	5/87	11/87	5/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<100	<100	<100	<100	<100	<100	<100	<5,000	<500	[illegible]
Acrylonitrile	<100	<100	<100	<100	<100	<100	<100	<5,000	<500	[illegible]
Benzene	<4.4	<4.4	<4.4	<4.4	<4.4	4.84	<4.4	<220	31.9	[illegible]
Bis (chloromethyl) ether	<10	<10	<10	<10	<10	<10	<10	<500	<50	[illegible]
Bromoform	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<240	<24	[illegible]
Carbon tetrachloride	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<140	<14	[illegible]
Chlorobenzene	<6	<6.0	<6.0	<6.0	<6.0	20.7	<6	3,050	1,990	[illegible]
Chlorodibromomethane	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<160	<16	[illegible]
Chloroethane	<10	<10	<10	<10	<10	<10	<10	<500	<50	[illegible]
2-Chloroethylvinyl ether	<10	<10	<10	<10	<10	<10	<10	<500	<50	[illegible]
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	[illegible]
1,1-Dichloroethane	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<240	<24	[illegible]
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	[illegible]
Methyl chloride	<10	<10	<10	<10	<10	<10	<10	<500	<50	[illegible]
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	[illegible]
Tetrachloroethylene	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<210	<21	[illegible]
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	[illegible]
Vinyl chloride	<10	<10	<10	<10	<10	<10	<10	<500	<50	[illegible]
trans-1,3-Dichloropropylene	<10	<10	<10	<10	<10	<10	<10	<500	<50	[illegible]
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	[illegible]
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	42	3	15	14	29	0	3,258	2,022	67

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

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

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

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

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

Well Number:	GM-9B	GM-9B	GM-9C	GM-9C	GM-9C	GM-9C	GM-9C	GM-9C	GM-10A	GM-10A
Date:	11/88	11/89	12/86	5/87	11/87	5/88	11/88	11/89	12/86	5/87
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Acrylonitrile	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Benzene	7.66	5.60	<4.4	30.9	11.9	<4.4	22.5	5.43	<4.4	<4.4
Bis (chloromethyl) ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Bromoform	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7
Carbon tetrachloride	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
Chlorobenzene	187	124	17.9	636.0	214.0	<6.0	139	56.9	<6	<6
Chlorodibromomethane	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1
Chloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Chloroethylvinyl ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Chloroform	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Dichlorobromomethane	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
Dichlorodifluoromethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,1-Dichloroethane	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7
1,2-Dichloroethane	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
1,1-Dichloroethylene	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
1,2-Dichloropropane	<6	<6.0	<6	<6	<6.0	<6.0	<6	<6.0	<6	<6
cis-1,3-Dichloropropylene	<5	<5.0	<5	<5	<5.0	<5.0	<5	<5.0	<5	<5
Ethylbenzene	<7.2	<7.2	<7.2	10.7	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2
Methyl bromide	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methyl chloride	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene chloride	7.84	<2.8	<2.8	<2.8	9.40	34.5	8.14	<2.8	<2.8	<2.8
1,1,2,2-Tetrachloroethane	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	[illegible]
Tetrachloroethylene	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	[illegible]
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

Table [illegible] Summary of Volatile Organic Compounds in Ground Water, Krummrich Plant, Hoechst Celanese

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

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

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

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GERAGHTY & MILLER, INC.

Table [illegible] Summary of Volatile Organic Compounds in Potable Water, Crumbaugh Plant, Target [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	7
Carbon tetrachloride	<56	<2.8	<2.8	<14	<28	<28	<140	<140	<2.8	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	[illegible]	<60	<60	<300	<300	<6	<6
cis-1,3-Dichloropropylene	<100	<5	<5	[illegible]	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.
Toluene	<120	17.2	<6.0	35.4	<60	50	<300	<300	<6	
1,2-trans-Dichloroethylene	<32	<1.6	<1.6	<8.0	<16	5.1	<80	<80	[illegible].6	
1,1,1-Trichloroethane	<76	<3.8	<3.8	<19	<38	<38	<190	<190	<3.8	[illegible].8
1,1,2-Trichloroethane	<100	<5	<5	<25	<50	<50	<250	<250	<5	<5
Trichloroethylene	<38	<1.9	<1.9	[illegible]	<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		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 [illegible] Summary of Volatile Organic Compounds in Drinking Water, Ammonia Plant, Badger [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

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Table [illegible] Summary of Volatile Organic Compounds in Ground Water Chromium Plant, Baker [illegible]

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
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	[illegible]
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<10,000,000	<2,000	<100,000	<10,000	<10,000	<1,000	<1000	<10000	<10,000	<5,000
Acrylonitrile	<10,000,000	<2,000	<100,000	<10,000	<10,000	<1,000	<1000	<10000	<10,000	<5,000
Benzene	286,000	52,900	70,600	69,300	9,610	<44	220	<440	<440	<220
Bis (chloromethyl) ether	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<500
Bromoform	<470,000	<94	<4,700	<470	<470	<47	<47	<470	<470	<240
Carbon tetrachloride	<280,000	<56	<2,800	<280	<280	<28	<28	<280	<280	<140
Chlorobenzene	129,000	9,260	13,500	8,530	2,210	622	6,390	10,100	6,290	20,200
Chlorodibromomethane	<3,100,000	<62	<3,100	<310	<310	<31	<31	<310	<310	<160
Chloroethane	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<500
2-Chloroethylvinyl ether	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<500
Chloroform	<160,000	<32	<1,600	<160	<160	<16	<16	<160	<160	<80
Dichlorobromomethane	<220,000	<44	<2,200	<220	<220	<22	<22	<220	<220	<110
Dichlorodifluoromethane	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<500
1,1-Dichloroethane	<470,000	<94	<4,700	<470	<470	<47	<47	<470	<470	<240
1,2-Dichloroethane	<280,000	<56	<2,800	<280	<280	<28	<28	<280	<280	<140
1,1-Dichloroethylene	<280,000	<56	<2,800	<280	<280	<28	<28	<280	<280	<140
1,2-Dichloropropane	<600,000	<120	<6,000	<600	<600	<60	<60	<600	<600	<300
cis-1,3-Dichloropropylene	<500,000	<120	<5,000	<1,000	<500	<50	<50	<500	<500	<250
Ethylbenzene	<720,000	<140	<7,200	<720	<720	<72	<72	<750	<720	<360
Methyl bromide	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<500
Methyl chloride	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<500
Methylene chloride	<28,000	<56	15,700	1,220	<280	662	37.9	364	1,030	361
1,1,2,2-Tetrachloroethane	<690,000	<140	<6,900	<690	<690	<69	<69	<690	<690	<350
Tetrachloroethylene	<410,000	<82	<4,100	<410	<410	<41	<41	<410	[illegible]	[illegible]
Toluene	<600,000	<120	<6,000	<600	<600	<60	<60	<600	<600	<
1,2-trans-Dichloroethylene	<160,000	<32	<1,600	<160	<160	<16	<16	<160	<160	<80
1,1,1-Trichloroethane	<380,000	<76	<3,800	<380	<380	<38	<38	<380	<380	<190
1,1,2-Trichloroethane	<500,000	<100	<5,000	<500	<500	<50	<50	<500	<500	<250
Trichloroethylene	<190,000	<38	<1,900	<190	<190	<19	<19	<190	<190	<95
Trichlorofluoromethane	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<500
Vinyl chloride	<1,000,000	<200	<10,000	<1,000	<1,000	<100	<100	<1000	<1,000	<500
trans-1,3-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
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	415,000	62,160	99,800	79,050	11,820	1,284	6,648	10,464	7,320	20,561

Table . 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

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Table . Summary of Volatile Organic Compounds in Ground Water, Kimmerer Plant, Sacramento, California

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

Table . Summary of Volatile Organic Compounds in Ground Water Krummrich Plant Jackson, Tennessee

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

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

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

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

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GERAGHTY & MILLER, INC.

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

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	[illegible]	<2.8	<2.8	<2.8
1,2-Dichloropropane	<6.0	<6.0	<6.0	<6.0	<6.0	<12	<6.0	<6	<6	<6.0
cis-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5	<5	<5.0
Ethylbenzene	<7.2	<7.2	<7.2	<7.2	<7.2	<14	<7.2	<7.2	<7.2	<7.2
Methyl bromide	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10
Methyl chloride	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10
Methylene chloride	6.3	6.1	13.2	4.6	<2.8	9.62	<2.8	16.6	20.7	<2.8
1,1,2,2-Tetrachloroethane	<6.9	<6.9	<6.9	<6.9	<6.9	<14	<6.9	<6.9	<6.9	<6.9
Tetrachloroethylene	<4.1	<4.1	<4.1	<4.1	<4.1	<8.2	<4.1	<4.1	<4.1	<4.1
Toluene	<6.0	<6.0	<6.0	8.75	<6.0	<12	<6.0	<6	<6	<6.0
1,2-trans-Dichloroethylene	<1.6	<1.6	<1.6	<1.6	<1.6	<3.2	2.70	<1.6	2.6	<1.6
1,1,1-Trichloroethane	<3.8	<3.8	<3.8	<3.8	<3.8	<7.6	<3.8	<3.8	<3.8	<3.8
1,1,2-Trichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5	<5	<5.0
Trichloroethylene	<1.9	<1.9	<1.9	<1.9	<1.9	<3.8	<1.9	<1.9	<1.9	<1.9
Trichlorofluoromethane	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10
Vinyl chloride	24.3	24.2	<10	<10	30.1	<20	<10	<10	<10	11.2
trans-1,3-Dichloropropylene	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10
Sub Total 1	31	30	27	23	38	429	3	69	23	201
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-iso-butyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl isoamyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene/p-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	0	0	0	0	0	0	0	0	0	0
Total VOCs Analyzed	31	30	27	23	38	429	3	69	23	201

Table [illegible] Summary of Volatile Organic Compounds in Ground Water, Krummrich Plant, Jackson [illegible]

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

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

Well Number:	GM-56C	GM-56C	GM-56C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C
Date:	11/88	11/88	11/89	11/87	11/87*	5/88	5/88*	11/88	11/88	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	<16
Dichlorobromomethane	<110	<50	<22	<22	<110	<220	<220	<110	<50	<22
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	<[illegible]
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	
Methyl ethyl ketone	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 [illegible] Summary of Volatile Organic Compounds in Drinking Water Krummrich Plant, Seagraves [illegible]

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 . Summary of Volatile Organic Compounds in Ground Water, Krummrich Plant, Badger [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
m-Xylene	<100	<10	<100	NA	NA	NA	NA	NA	NA
o-Xylene/p-Xylene	<100	<10	<100	NA	NA	NA	NA	NA	NA
Sub Total 2	19,606	0	0	0	0	0	0	0	0
Total VOCs Analyzed	45,144	214	929	101	179	1,360	761	2,998	2,739

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

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	5/8
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	<8
Toluene	<6	<6.0	<6.0	189	<300	<600	<600	<3,000	251	[illegible]
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	[illegible]
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	[illegible]0
Total VOCs Analyzed	33	11	0	4,685	1,604	3,223	8,850	54,700	5,722	2,421

Table [illegible] Summary of Volatile Organic Compounds in Ground Water, Crumpton Plant, Puget Sound

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 [illegible] Summary of Volatile Organic Compounds in Drinking 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-1[illegible]
Date:	11/87	3/87	11/87	11/87	12/86	5/87	11/87	5/88	11/88	11/3[illegible]
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	<5,000	<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	<2[illegible]
Toluene	103	<6.0	<60	<3,000	<60	<6	<60	<60	<60	72b
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
m-Xylene	<100	<10	<100	<5,000	NA	NA	<100	NA	NA	NA
o-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 Crummelin Plant Dayton, 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

Table . Summary of Volatile Organic Compounds in Drums Water (Krummrich Plant, Target [illegible])

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
USEPA Priority Pollutant Volatile Organic Compounds concentrations are in ug/L										
Acrolein	<100	<100	<50	<100	<100	<100	<100	<100	<100	<100
Acrylonitrile	<100	<100	<50	<100	<100	<100	<100	<100	<100	<100
Benzene	<4.4	<4.4	<5	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4
Bis (chloromethyl) ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Bromoform	<4.7	<4.7	<5	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7
Carbon tetrachloride	<2.8	<2.8	<5	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
Chlorobenzene	<6.0	<6.0	<5	<6.0	<6	<6.0	<6	<6.0	<6	<6.0
Chlorodibromomethane	<3.1	<3.1	<5	<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	<5	<10	<10	<10	<10	<10	<10	<10
Chloroform	<1.6	<1.6	<5	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Dichlorobromomethane	<2.2	<2.2	<5	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
Dichlorodifluoromethane	<10	23.1	<10	<10	<10	<10	<10	<10	<10	<10
1,1-Dichloroethane	<4.7	<4.7	<5	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.[illegible]
1,2-Dichloroethane	<2.8	<2.8	<5	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
1,1-Dichloroethylene	<2.8	<2.8	<5	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
1,2-Dichloropropane	<6.0	<6.0	<5	<6.0	<6	<6.0	<6	<6.0	<6	<6.0
cis-1,3-Dichloropropylene	<5.0	<5.0	<5	<5.0	<5	<5.0	<5	<5.0	<5	<5.0
Ethylbenzene	<7.2	<7.2	<5	<10	<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	<2.8	<10	<10	<10	<10	<10	<10
Methylene chloride	10.2	29.2	<5	<6.9	4.20	<2.8	4.2	<2.8	<2.8	<2.8
1,1,2,2-Tetrachloroethane	<6.9	<6.9	<5	<4.1	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9
Tetrachloroethylene	<4.1	<4.1	<5	<6.0	<4.1	<4.1	<4.1	<4.1	<4.1	
Toluene	<6.0	<6.0	<5	<1.6	<6	<6.0	<6	<6.0	<6	<6.[illegible]
1,2-trans-Dichloroethylene	<1.6	<1.6	<5	<3.8	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
1,1,1-Trichloroethane	<3.8	<3.8	<5	<5.0	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8
1,1,2-Trichloroethane	<5.0	<5.0	<5	<1.9	<5	<5.0	<5	<5.0	<5	<5.0
Trichloroethylene	<1.9	<1.9	<5	<10	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Trichlorofluoromethane	<10	<10	<5	<10	<10	<10	<10	<10	<10	<10
Vinyl chloride	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,3-Dichloropropylene	<10	<10	<5	<7.2	<10	<10	<10	<10	<10	<10
Sub Total 1	10	52	0	0	4	0	4	0	0	0
Miscellaneous Volatile Organic Compounds										
Acetone	NA	NA	NA	NA	NA	NA	NA	40.1	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	<500	NA	NA	NA	NA	<10	NA	NA
Methyl isoamyl ketone	NA	NA	<100	NA	NA	NA	NA	NA	NA	NA
m-Xylene	NA	NA	<50	NA	NA	NA	NA	<10	NA	NA
o-Xylene/p-Xylene	NA	NA	<50	NA	NA	NA	NA	<10	NA	NA
Sub Total 2	0	0	0	0	0	0	0	40.1	0	0
Total VOCs Analyzed	10	52	0	0	4	0	4	40	0	0

Table [illegible] Summary of [illegible] Volatile Organic Compounds in Ground 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

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	<2.5
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, Krummsee 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, Baugh, [illegible]

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	14	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

Table 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
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L									
2-Chlorophenol	34.9	<34	26.1	6.23	<3.8	NA	NA	6.34	4.7
2,4-Dichlorophenol	12.1	<28	17.7	10.3	<3.1	NA	NA	<3.1	<3.1
2,4-Dimethylphenol	<2.8	<28	<2.8	<2.8	7.44	NA	NA	8.44	18.6
4,6-Dinitro-o-cresol	<25	<240	<25	<25	<27	NA	NA	<27	<27
2,4-Dinitrophenol	<44	<430	<44	<44	<48	NA	NA	<48	<48
2-Nitrophenol	<3.8	<37	<3.8	<3.8	<4.1	NA	NA	<4.1	<4.1
4-Nitrophenol	<2.5	<24	<2.5	<2.5	<2.7	NA	NA	<2.7	<2.7
p-Chloro-m-cresol	<3.1	<31	<3.2	<3.1	<3.4	NA	NA	<3.4	<3.4
Pentachlorophenol	<3.8	<37	<3.8	<3.8	<4.1	NA	NA	<4.1	<4.1
Phenol	<1.6	<15	<1.6	<1.6	<1.7	NA	NA	<1.7	2.7
2,4,6-Trichlorophenol	<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
Miscellaneous Acid Extractable Organic Compounds									
4-Chlorophenol	NA	<100	NA	NA	<11	<11	<10	25	24.9
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	25	25
Total Acid 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

0351

Table 1 Summary of Acid Extractable Compounds in Ground Water, Krummrich Plant, Gauges, Results

Well Number:	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C.	GM-31A	GM-31A
Date:	5/87	11/87	5/88	11/88	3/89	3/89 *	11/89	12/86	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	NA	868	1,120	<3.8	<3400	<330	205	<3.5	<3.8
2,4-Dichlorophenol	NA	4,430	8,440	4,630	<2800	3,630	461	11.2	10.6
2,4-Dimethylphenol	NA	253	192	42.7	<2800	<270	39.0	<2.9	<3.1
4,6-Dinitro-o-cresol	NA	<270	<34	<27	<24000	<2400	<28	<25	<27
2,4-Dinitrophenol	NA	<470	<59	<48	<43000	<4200	<49	26,200	20,600
2-Nitrophenol	NA	<40	<5.1	<4.1	<3700	<360	<4.2	12	11.8
4-Nitrophenol	NA	<27	<3.4	<2.7	<2400	<240	<2.8	<2.5	<2.7
p-Chloro-m-cresol	NA	<33	<4.2	<3.4	<3100	<300	<3.5	<3.2	<3.4
Pentachlorophenol	NA	113	116	57	<3700	<360	<4.2	<3.8	<4.1
Phenol	NA	1,260	2,910	<1.7	<1500	263	119	6.6	5.1
2,4,6-Trichlorophenol	NA	1,660	1,570	<3.1	<2800	415	383	1,740	1,560
Sub Total 1	0	8,584	14,348	4,730	0	4,308	1,207	27,970	22,188
Miscellaneous Acid Extractable Organic Compounds									
4-Chlorophenol	<64	2,250	2,610	691	<10000	<1000	<12	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	2,250	2,610	691	0	0	0	0	0
Total Acid Compounds Analyzed	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, Baugali, Illinois

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
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L									
2-Chlorophenol	<100	<3.4	<3.4	10.9	31	<370	<400	2,020	4,680
2,4-Dichlorophenol	<100	44.0	40.1	<2.8	196	<300	417	6,010	5,190
2,4-Dimethylphenol	<100	<2.8	<2.8	<2.8	4.3	<300	<330	348	563
4,6-Dinitro-o-cresol	<500	<24	<25	<25	<28	<2,700	<2900	<1200	<29
2,4-Dinitrophenol	<500	282	244	<44	<49	<4,700	<5100	<2100	<51
2-Nitrophenol	140	59.2	45.7	<3.8	<4.2	<400	<430	<180	<4.4
4-Nitrophenol	<500	171	132	<2.5	<2.8	<270	<290	<120	<2.9
p-Chloro-m-cresol	<100	<3.1	<3.1	<3.1	<3.5	<340	<360	<150	<3.7
Pentachlorophenol	<100	20.5	23.5	<3.8	<4.2	<400	<430	<180	18
Phenol	270,000	1,020	934	<1.6	24.6	<170	<180	2,340	5,100
2,4,6-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
Miscellaneous Acid Extractable Organic Compounds									
4-Chlorophenol	NA	878	924	<10	254	<1,100	<1,200	9,200	14,100
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	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 [illegible]

Well Number:	GM-106	GM-106	P-1	P-1	P-2	P-3	P-6	P-7	P-7
Date:	11/88	11/89	3/87	11/87	11/87	11/87	11/87	12/86	5/87
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant Acid Extractable Organic Compounds concentrations are in ug/L									
2-Chlorophenol	266	<380	5.6	11.3	8.82	<3.3	<3.3	776	866
2,4-Dichlorophenol	884	1,290	<3.0	<2.7	<2.8	<2.7	<2.7	2,540	2,120
2,4-Dimethylphenol	<27	<310	<3.0	<2.7	<2.8	<2.7	<2.7	<2.7	<2.7
4,6-Dinitro-o-cresol	<240	<2800	<27	<24	<25	<24	<24	<24	<24
2,4-Dinitrophenol	<420	<4800	<47	<42	<43	<42	<42	<42	<42
2-Nitrophenol	<36	<410	<4.0	<3.6	<3.7	<3.6	<3.6	<3.6	<3.6
4-Nitrophenol	<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
Bensoic 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

Table [illegible] 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
USEPA Priority Pollutant Base/Neutral Extractable Organic Compounds concentrations are in ug/L									
Acenapnthene	<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-Chloropnenyl 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	<1[illegible]0
Dimethyl phthalate	<11	<12	<10	<10	<12	<11	<11	<10	<[illegible]
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	
Hexachlorocyclopentadiene	<11	<12	<10	<10	<12	<11	<11	<10	<1[illegible]
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, Sackett, 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 [illegible] Summary of Base Neutral Compounds in Ground Water, Armstron Plant, Sargent, [illegible]

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									
Acenapnthene	<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	<1[illegible]
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	[illegible]

Table 3 Summary of Base Neutral Compounds in Ground Water, Ammerman 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 3 Summary of Base/Neutral Compounds in Ground water, Krumbein Plant, Sackett, [illegible]

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	[illegible]	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	<1
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	<1.9
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, Ammunition Plant, Savanna, 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	<110
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	[illegible]
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 : Summary of Base/Neutral Compounds in Ground Water, Krumrich Plant, Saugus, [illegible]

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	[illegible]
USEPA Priority Pollutant Base/Neutral Extractable Organic Compounds concentrations are in ug/L									
Acenaphthene	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	<1.9
Acenapthylene	<3.6	<3.6	<3.5	<3.7	<190	<360	<100	<100	<3.6
Anthracene	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	<1.9
Benzidine	<46	<46	<44	<46	<2,300	<4,500	<800	<800	<45
Benzo (a) anthracene	<8.1	<8.1	<7.8	<8.2	<410	<800	<100	<100	<8.0
Benzo (a) pyrene	<2.6	<2.6	<2.5	<2.6	<130	<260	<100	<100	<2.6
Benzo (b) fluoroanthene	<10	<10	<4.8	<5.0	<260	<490	<100	<100	<4.9
Benzo (ghi) perylene	<4.3	<4.3	<4.1	<4.3	<220	<420	<100	<100	<4.2
Benzo (k) fluoranthene	<3.6	<3.6	<2.5	<2.6	<130	<260	<100	<100	<2.6
Bis (2-chloroethoxy) methane	<5.5	<5.5	<5.3	<5.5	<280	<550	<100	<100	<5.4
Bis (2-chloroethyl) ether	<5.9	<5.9	<5.7	<6.0	<300	<590	<100	<100	<5.8
Bis (2-chloroisopropyl) ether	<5.9	<5.9	<5.7	<6.0	<300	<590	<100	<100	<5.8
Bis (2-ethylhexyl) phthalate	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
4-Bromophenyl phenyl ether	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	<1.9
Butyl benzyl phthalate	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
2-Chloronaphthalene	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	<1.9
4-Chlorophenyl phenyl ether	<4.4	<4.4	<4.2	<4.4	<220	<430	<100	<100	<4.3
Chrysene	<2.6	<2.6	<2.5	<2.6	<130	<260	<100	<100	<2.6
Dibenzo (a,h) anthracene	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
1,2-Dichlorobenzene	22.2	19.8	24.3	23.3	243	<200	<100	<100	42.8
1,3-Dichlorobenzene	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	<1.9
1,4-Dichlorobenzene	11.9	11.7	12.2	11.8	<230	<450	<100	<100	15.7
3,3-Dichlorobenzidine	<17	<17	<17	<17	<880	<1,700	<200	<200	<17
Diethyl phthalate	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
Dimethyl phthalate	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
Di-n-butyl phthalate	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
2,4-Dinitrotoluene	<5.9	<5.9	<5.7	<6.0	<300	<590	<100	<100	<5.8
2,6-Dinitrotoluene	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	<1.9
Di-n-octyl phthalate	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
1,2-Diphenylhydrazine	<10	<10	<10	<10	<530	<1,000	<100	<100	<10
Fluoranthene	<2.3	<2.3	<2.2	<2.3	<120	<230	<100	<100	<2.2
Fluorene	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	<1.9
Hexachlorobenzene	<2	<2.0	<1.9	<2.0	<100	<200	<100	<100	[illegible]
Hexachlorobutadiene	<.94	<.94	<0.9	<0.9	<48	<93	<100	<100	[illegible]
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	[illegible]
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, 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
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, Ammonia Plant, Bayport, Florida

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:	CTR 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	[illegible]	<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	<10
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 Neutrals Contained in Ground Water, Kingston Plant, Sewell [illegible]

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	[illegible].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 [illegible] Summary of Base/Neutral Compounds in Ground Water, Grumman Plant, Bethpage [illegible]

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 Sandy Springs

Well Number:	Trip Blank
Date:	3/87
Laboratory:	ETC
USEPA Priority Pollutant Base/Neutral Extractable Organic Compounds concentrations are in ug/L	
Acenapnthene	<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, Bauer, Illinois

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

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 - 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 1 Summary of Metals and Miscellaneous Parameters in Ground Water, Armmaron Plant, Lockport, Illinois

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

Well Number:	GM-4B	GM-4B	GM-4B	GM-4C	GM-4C	GM-4C	GM-4C	GM-4C	GM-4C	GM-4C
Date:	11/88	5/89	11/89	12/86	5/87	11/87	5/88	11/88	5/89	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
USEPA Priority Pollutant 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 [illegible] Summary of Metals and Miscellaneous Parameters in Ground Water, [illegible] Plant, [illegible]

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

Table 5 Summary of Metals and Miscellaneous Parameters in Ground Water, Krummrich Plant, Kauger, 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 3 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-10
Date:	11/87	5/88	11/88	11/89	12/86	5/87	11/87	5/88	11/88	11/8.
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	
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-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, Calhoun, 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	[illegible]	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, Sauget, 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

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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-[illegible]
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

0393

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

Well Number:	GM-[illegible]	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-[illegible]
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-57B	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	<1
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, Sauget, Illinois

Well Number:	GM-[illegible]	GM-58A	GM-58A	GM-58A	GM-[illegible]	GM-59A	GM-59A	GM-59A	GM-[illegible]
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	[redacted]
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	[illegible]	<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	<51
3,3-Dichlorobenzidine	<1,900	<18	<18.3	<18	<17	<17.0	<340	<170	<190
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-[illegible]
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-3	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	<5.8	<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.[illegible]	[illegible].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, Sauget, Illinois.

Well Number:	P-1	P-1	P-2	[redacted]	P-3	P-6	[redacted]	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
Miscellaneous Base/Neutral Extractable Organic Compounds concentrations are in ug/L									
1-Chloro-2-nitrobenzene	NA	NA	NA	<110	NA	NA	<10	NA	NA
1-Chloro-4-Nitrobenzene	NA	NA	NA	<110	NA	NA	<10	NA	NA
2,4-and 3,4-Dinitrochlorobenzene	NA	<10	<10	<110	<10	<10	<10	NA	<10
2-Nitroaniline	<11	<10	<10	<110	<10	<10	<10	<11	<10
4-Nitroaniline	<11	<10	<10	<110	<10	<10	<10	62.2	52
2-Nitrochlorobenzene	NA	<10	<10	NA	<10	<10	NA	NA	27,000
4-Nitrochlorobenzene	NA	<10	<10	NA	<10	<10	NA	NA	8,590
4-Nitrodiphenylamine	NA	<10	<10	<110	<10	<10	<10	NA	202
Triphenyl phosphate	NA	<10	<10	<110	<10	<10	<10	NA	<10
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrobiphenyl	NA	NA	NA	<110	NA	NA	<10	NA	NA
4-Nitrobiphenyl	NA	NA	NA	<110	NA	NA	<10	NA	NA
Benzyl alcohol	<11	NA	NA	NA	NA	NA	NA	171	NA
Aniline	<11	NA	NA	35,000	NA	NA	10,200	6,360	NA
4-Chloroaniline	<11	NA	NA	NA	NA	NA	NA	15,000	NA
2-Methylnaphtalene	<11	NA	NA	NA	NA	NA	NA	<11	NA
N-nitroaniline	<11	NA	NA	NA	NA	NA	NA	<11	NA
Dibenzofuran	<11	NA	NA	NA	NA	NA	NA	<11	NA
Sub Total 2	0	0	0	35,000	0	0	10,200	21,593	35,844
Total Base/Neutral Compounds	10	23	30	35,834	0	3	10,298	23,626	36,450

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	[illegible]	P-8	P-8	[illegible]
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	<94[illegible]
Diethyl phthalate	<200	<10	<1,100	<100	<100	<120	<1000	<5100	<57[illegible]
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	<57[illegible]
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	[illegible]	P-8	P-8	[illegible]
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
Date:	11/87	3/87	11/87	11/87	12/86	5/87	11/87	5/88	11/88	11/8
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ET
USEPA Priority Pollutant Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	<.057	NA	NA	NA	NA	NA	NA	NA	N
Arsenic	NA	0.043	NA	NA	NA	NA	NA	NA	NA	N
Beryllium	NA	<.00052	NA	NA	NA	NA	NA	NA	NA	N
Cadmium	NA	<.0025	NA	NA	NA	NA	NA	NA	NA	N
Chromium	NA	<.013	NA	NA	NA	NA	NA	NA	NA	N
Copper	NA	<.0052	NA	NA	NA	NA	NA	NA	NA	N
Lead	NA	<.0050	NA	NA	NA	NA	NA	NA	NA	N
Mercury	NA	<.00022	NA	NA	NA	NA	NA	NA	NA	N
Nickel	NA	<.0096	NA	NA	NA	NA	NA	NA	NA	N
Selenium	NA	<.0050	NA	NA	NA	NA	NA	NA	NA	N
Silver	NA	<.011	NA	NA	NA	NA	NA	NA	NA	N
Thallium	NA	<.0050	NA	NA	NA	NA	NA	NA	NA	N
Zinc	NA	0.040	NA	NA	NA	NA	NA	NA	NA	N
Miscellaneous Parameters										
pH	6.9	7.7	6.9	6.9	7.2	6.9	6.9	6.9	6.7	6.
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	
Cyanide	0.029	<.025	<.025	0.027	NA	NA	<.025	NA	NA	
Phenols	NA	NA	NA	18.9	NA	NA	0.205	NA	NA	
Non-Priority Pollutant Metals										
Aluminum	NA	<.088	NA	NA	NA	NA	NA	NA	NA	
Barium	NA	0.155	NA	NA	NA	NA	NA	NA	NA	
Cobalt	NA	<.026	NA	NA	NA	NA	NA	NA	NA	
Tin	NA	<.052	NA	NA	NA	NA	NA	NA	NA	
Vanadium	NA	<.011	NA	NA	NA	NA	NA	NA	NA	
Boron	NA	2.54	NA	NA	NA	NA	NA	NA	NA	
Iron	NA	16.8	NA	NA	NA	NA	NA	NA	NA	
Manganese	NA	3.31	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	[illegible]	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 2 Summary of Metals and Miscellaneous Parameters in Ground Water, Crummelin Plant Badger, Tennessee

Well Number:	P-6	P-6	P-6	P-6	P-6A	P-7	P-7	P-7	P-7	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	
Cadmium	NA	NA	NA	NA	NA	NA	NA	<.0025	NA	
Chromium	NA	NA	NA	NA	NA	NA	NA	<.013	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	
Zinc	NA	NA	NA	NA	NA	NA	NA	0.120	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	
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, Target, Tennessee.

Well Number:	P-7	P-7	P-9	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 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		N
Barium	NA	NA	NA	NA	NA	NA	NA	NA		N
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA		N
Tin	NA	NA	NA	NA	NA	NA	NA	NA		N
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA		N
Boron	NA	NA	NA	NA	NA	NA	NA	NA		N
Iron	NA	NA	NA	NA	NA	NA	NA	NA		N
Manganese	NA	NA	NA	NA	NA	NA	NA	NA		N

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

Well Number:	P-1	P-1	P-2	P-2	P-2	P-2	P-2	P-2	P-3	P-5
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	1[illegible]
Cyanide	<.025	<.025	NA	NA	<.025	NA	NA	NA	<.025	N[illegible]
Phenols	NA	NA	NA	NA	NA	NA	NA	NA	0.123	N[illegible]
Non-Priority Pollutant Metals										
Aluminum	<.088	NA	NA	NA	NA	NA	NA	NA	NA	N[illegible]
Barium	0.257	NA	NA	NA	NA	NA	NA	NA	NA	N[illegible]
Cobalt	<.026	NA	NA	NA	NA	NA	NA	NA	NA	N[illegible]
Tin	<.052	NA	NA	NA	NA	NA	NA	NA	NA	N[illegible]
Vanadium	<.011	NA	NA	NA	NA	NA	NA	NA	NA	N[illegible]
Boron	4.16	NA	NA	NA	NA	NA	NA	NA	NA	N[illegible]
Iron	16.3	NA	NA	NA	NA	NA	NA	NA	NA	N[illegible]
Manganese	2.64	NA	NA	NA	NA	NA	NA	NA	NA	N[illegible]

Table 3 Summary of Metals and Miscellaneous Parameters in Drking Water, Krummrich Plant, Kenilworth, [illegible]

Well Number:	GM-59A	GM-59A	GM-59A	GM-59A	3-25A	3-26A	3-28A	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	[illegible]/7
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 3 Summary of Metals and Miscellaneous Parameters in Ground water, Armmerton Plant, Dallas, Texas

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, Bogart, Illinois

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

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

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	N/
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/
Tin	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/
Boron	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/

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

Well Number:	GM-31B	GM-31B	GM-31B	GM-31B	GM-31C	GM-31C	GM-31C	GM-31C	GM-31C	GM-31C
Date:	5/88	11/88	5/89	11/89	12/86	5/87	11/87	5/88	11/88	[illegible]
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	[illegible]
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	[illegible]
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	[illegible]
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	[illegible]

Table 3 Summary of Metals and Miscellaneous Parameters in Ground Water, Armmerica Plant, Chagrin Falls, Ohio

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 [illegible] Summary of Metals and Miscellaneous Parameters in Ground Water [illegible]

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*	[illegible]
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	[illegible]
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 [illegible] Summary of Metals and Miscellaneous Parameters in Ground Water, [illegible]

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	16	14	12	16	17
Phenols	NA	NA	NA	NA	NA	11.6	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, [illegible] Plant [illegible]

Well Number:	GM-27B	GM-27B	GM-27B	GM-27B	GM-27B	GM-27C	GM-27C	GM-27C	GM-27C	GM-27C
Date:	12/86	5/87	11/87	5/88	11/89	12/86	5/87	11/87	5/88	[illegible]
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	[illegible]
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 [illegible] Summary of Metals and Miscellaneous Parameters in Ground Water, [illegible] Plant, [illegible]

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

Site R Groundwater Data

Pre-1992

0413

NOTE: THE DATA PRESENTED IN THIS SECTION PERTAINS TO SAMPLES COLLECTED FROM SITE "R" PRIOR TO THE CONSENT ORDER SIGNED BY MONSANTO IN 1992. THIS DATA IS PRESENTED IN THE ORIGINAL REPORT FORMAT.

SOURCE: "Remedial Investigation at Sauget Site R", Monsanto Company, Sauget, Illinois, prepared by Geraghty & Miller, August 1994

VOLUME I
REMEDIAL INVESTIGATION
AT SAUGET SITE R
MONSANTO COMPANY, SAUGET, ILLINOIS

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APPENDIX A

HISTORICAL WATER-QUALITY DATA - 1984 THROUGH 1991

Well Number:	GM-27B	GM-27B	GM-27B	GM-27B	GM-27B	GM-27B	GM-27B	GM-27B
Sample Date:	9/84**	11/85	2/86	12/86	5/87	11/87	5/88	11/89
Laboratory:	EEI	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	NA	<100	<100	<100	<100	<50,000	<10,000	<5000
Acrylonitrile	NA	<100	<100	<100	<100	<50,000	<10,000	<5000
Benzene	36	35.6	619	237	156	9,980	670	2,460
bis(Chloromethyl) ether	<1.5	<10	<10	<10	<10	<5,000	<1,000	<500
Bromoform	<3.2	<4.7	<4.7	<4.7	<4.7	<2,400	<470	<240
Carbon tetrachloride	<1.5	<2.8	<2.8	<2.8	<2.8	<1,400	<280	<140
Chlorobenzene	80	143	459	383	193	60,200	2,940	10,500
Chlorodibromomethane	<2.0	<3.1	<3.1	<3.1	<3.1	<1,600	<310	<160
Chloroethane	<2.4	<10	<10	<10	<10	<5,000	<1,000	<500
2-Chloroethylvinyl ether	<5.9	<10	<10	<10	<10	<5,000	<1,000	<500
Chloroform	<0.8	<1.6	<1.6	<1.6	<1.6	<800	<160	<80
Dichlorobromomethane	<1.1	<2.2	<2.2	<2.2	<2.2	<1,100	<220	<110
Dichlorodifluoromethane	NA	<10	<10	<10	<10	<5,000	<1,000	<500
1,1-Dichloroethane	<0.8	<4.7	<4.7	<4.7	<4.7	<2,400	<470	<240
1,2-Dichloroethane	<1.5	<2.8	<2.8	<2.8	<2.8	<1,400	<280	<140
1,1-Dichloroethene	<1.9	<2.8	<2.8	<2.8	<2.8	<1,400	<280	<140
1,2-Dichloropropane	<1.5	<6	<6	<6	<6	<3,000	<600	<300
cis-1,3-Dichloropropene	<1.5	<5	<5	<5	<5	<2,500	<500	<250
Ethylbenzene	6	<7.2	<7.2	<7.2	<7.2	<3,600	<720	<360
Methyl bromide	<1.5	<10	<10	<10	<10	<5,000	<1,000	<500
Methyl chloride	<1.6	<10	<10	<10	<10	<5,000	<1,000	<500
Methylene chloride	40	<2.8	13	9.6	<2.8	<1,400	<280	227
1,1,2,2-Tetrachloroethane	<1.4	<6.9	<6.9	<6.9	<6.9	<3,500	<690	<350
Tetrachloroethene	<1.5	<4.1	<4.1	<4.1	<4.1	<2,100	<410	<210
Toluene	4	<6	6	6	<6	<3,000	<600	1,400
trans-1,2-Dichloroethene	<1.5	<1.6	<1.6	<1.6	<1.6	<800	<160	<80
1,1,1-Trichloroethane	<1.2	<3.8	<3.8	<3.8	<3.8	<1,900	<380	<190
1,1,2-Trichloroethane	<1.6	<5	<5	<5	<5	<2,500	<500	<250
Trichloroethene	<1.3	<1.9	<1.9	<1.9	<1.9	<950	<190	<95
Trichlorofluoromethane	<1.2	<10	<10	<10	<10	<5,000	<1,000	<500
Vinyl chloride	<1.2	<10	<10	<10	<10	<5,000	<1,000	<500
trans-1,3-Dichloropropene	<1.5	<10	<10	<10	<10	<5,000	<1,000	<500
Sub Total 1	166	179	1,097	636	349	70,180	3,610	14,587
Miscellaneous Volatile Organic Compounds								
Acetone	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA
Methylisobutyl ketone (MIBK)	<5	<10	<10	NA	NA	<5,000	NA	NA
Methyl isoamyl ketone	<5	<10	<10	NA	NA	<5,000	NA	NA
m-Xylene	b)	<10	<10	NA	NA	<5,000	NA	NA
o-Xylene/p-Xylene	b)	<10	<10	NA	NA	<5,000	NA	NA
Sub Total 2	0	0	0	0	0	0	0	0
Total VOCs Analyzed	166	179	1,097	636	349	70,180	3,610	14,587

See last page for footnotes.

Well Number:	GM-27B	GM-27B	GM-27C	GM-27C	GM-27C	GM-27C	GM-27C	GM-27C
Sample Date:	11/90	11/91	9/84**	11/85	2/86	12/86	5/87	11/87
Laboratory:	ETC	ETC	EEI	ETC	ETC	ETC	ETC	ETC
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	<10,000	<10000	NA	<1,000	<1,000	<100	<100	<1,000
Acrylonitrile	<10,000	<10000	NA	<1,000	<1,000	<100	<100	<1,000
Benzene	1,170	1,070	160	554	765	159	122	433
bis(Chloromethyl) ether	<1,000	<1000	<1.5	<100	<100	<10	<10	<100
Bromoform	<470	<470	<3.2	<47	<47	<4.7	<4.7	<47
Carbon tetrachloride	<280	<280	<1.5	<28	<28	<2.8	<2.8	<28
Chlorobenzene	10,100	8,760	275	1,220	1,950	385	318	1,300
Chlorodibromomethane	<310	<310	<2.0	<31	<31	<3.1	<3.1	<31
Chloroethane	<1,000	<1000	<2.4	<100	<100	<10	<10	<100
2-Chloroethylvinyl ether	<1,000	<1000	<5.9	<100	<100	<10	<10	<100
Chloroform	<160	<160	<0.8	<16	<16	<1.6	<1.6	<16
Dichlorobromomethane	<220	<220	<1.1	<22	<22	<2.2	<2.2	<22
Dichlorodifluoromethane	<1,000	<1000	NA	<100	<100	<10	<10	<100
1,1-Dichloroethane	<470	<470	<0.8	<47	<47	<4.7	<4.7	<47
1,2-Dichloroethane	<280	<280	<1.5	<28	<28	<2.8	<2.8	<28
1,1-Dichloroethene	<280	<280	1	<28	<28	<2.8	<2.8	<28
1,2-Dichloropropane	<600	<600	<1.5	<60	<60	<6	<6	<60
cis-1,3-Dichloropropene	<500	<500	<1.5	<50	<50	<5	<5	<50
Ethylbenzene	<720	<720	1	<72	<72	<7.2	<7.2	<72
Methyl bromide	<1,000	<1000	<1.5	<100	<100	<10	<10	<100
Methyl chloride	<1,000	<1000	<1.6	<100	<100	<10	<10	<100
Methylene chloride	<280	<280	38	<28	<28	<2.8	<2.8	<28
1,1,2,2-Tetrachloroethane	<690	<690	<1.4	<69	<69	<6.9	<6.9	<69
Tetrachloroethene	<410	<410	<1.5	<41	<41	<4.1	<4.1	<41
Toluene	1,120	857	2	<60	<60	<6	<6	<60
trans-1,2-Dichloroethene	<160	<160	<1.5	<16	<16	<1.6	<1.6	<16
1,1,1-Trichloroethane	<380	<380	<1.2	<38	<38	<3.8	<3.8	<38
1,1,2-Trichloroethane	<500	<500	<1.6	<50	<50	<5	<5	<50
Trichloroethene	<190	<190	<1.3	<19	<19	<1.9	<1.9	[illegible]
Trichlorofluoromethane	<1,000	<1000	<1.2	<100	<100	<10	<10	<100
Vinyl chloride	<1,000	<1000	<1.2	<100	<100	<10	<10	<100
trans-1,3-Dichloropropene	<1,000	<1000	<1.5	<100	<100	<10	<10	<100
Sub Total 1	12,390	10,687	477	1,774	2,715	544	440	1,733
Miscellaneous Volatile Organic Compounds								
Acetone	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA
Methylisobutyl ketone (MIBK)	NA	NA	<5	<100	<100	NA	NA	<100
Methyl isoamyl ketone	NA	NA	<5	<100	<100	NA	NA	<100
m-Xylene	NA	NA	b)	<100	<100	NA	NA	<100
o-Xylene/p-Xylene	NA	NA	b)	<100	<100	NA	NA	<100
Sub Total 2	0	0	0	0	0	0	0	0
Total VOCs Analyzed	12,390	10,687	477	1,774	2,715	544	440	1,733

See last page for footnotes.

Well Number:	GM-27C	GM-27C	GM-27C	GM-27C	GM-27C	GM-28B	GM-28B	GM-28B
Sample Date:	5/88	11/88	11/89	11/90	11/91	9/84**	11/85	2/86
Laboratory:	ETC	ETC	ETC	ETC	ETC	EEI	ETC	ETC
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	<5,000	<1,000	<5000	<500	<1000	NA	<5,000	<1 000
Acrylonitrile	<5,000	<1,000	<5000	<500	<1000	NA	<5,000	<1 000
Benzene	346	529	331	414	323	410	934	644
bis(Chloromethyl) ether	<500	<100	<500	<50	<100	<1 5	<500	<100
Bromoform	<240	<47	<240	<24	<47	<3 2	<240	<47
Carbon tetrachloride	<140	<28	<140	<14	<28	<1 5	<140	<28
Chlorobenzene	710	2,030	1,840	2,440	1,850	2,804	6,120	6 130
Chlorodibromomethane	<160	<31	<160	<16	<31	<2.0	<160	<31
Chloroethane	<500	<100	<500	<50	<100	<2.4	<500	<100
2-Chloroethylvinyl ether	<500	<100	<500	<50	<100	<5.9	<500	<100
Chloroform	<80	<16	<80	<8.0	<16	<0 8	<80	<16
Dichlorobromomethane	<110	<22	<110	<11	<22	<1.1	<110	<22
Dichlorodifluoromethane	<500	<100	<500	<50	<100	NA	<500	<100
1,1-Dichloroethane	<240	<47	<240	<24	<47	<0.8	<240	<47
1,2-Dichloroethane	<140	<28	<140	<14	<28	<1 5	<140	<28
1,1-Dichloroethene	<140	<28	<140	<14	<28	1	<140	<28
1,2-Dichloropropane	<300	<60	<300	<30	<60	<1 5	<300	<60
cis-1,3-Dichloropropene	<250	<50	<250	<25	<50	<1 5	<250	<50
Ethylbenzene	<360	<72	<360	<36	<72	12	<360	<72
Methyl bromide	<500	<100	<500	<50	<100	<1.5	<500	<100
Methyl chloride	<500	<100	<500	<50	<100	<1.6	<500	<100
Methylene chloride	<140	203	693	<14	<28	71	<140	<28
1,1,2,2-Tetrachloroethane	<350	<69	<350	<35	<69	<1.4	<350	<69
Tetrachloroethene	<210	<41	<210	<21	<41	<1.5	<210	<41
Toluene	<300	232	<300	90.6	<60	18	<300	<60
trans-1,2-Dichloroethene	<80	<16	<80	<8.0	<16	<1.5	<80	<16
1,1,1-Trichloroethane	<190	<38	<190	<19	<38	<1.2	<190	<38
1,1,2-Trichloroethane	<250	<50	<250	<25	<50	<1.6	<250	<50
Trichloroethene	<95	<19	<95	<9.5	<19	<1.3	<95	<19
Trichlorofluoromethane	<500	<100	<500	<50	<100	<1.2	<500	<100
Vinyl chloride	<500	<100	<500	<50	<100	<1.2	<500	<100
trans-1,3-Dichloropropene	<500	<100	<500	<50	<100	<1.5	<500	<100
Sub Total 1	1,056	2,994	2,864	2,945	2,173	3,316	7,054	6,774
Miscellaneous Volatile Organic Compounds								
Acetone	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA
Methylisobutyl ketone (MIBK)	NA	NA	NA	NA	NA	2	<500	<100
Methyl isoamyl ketone	NA	NA	NA	NA	NA	<5	<500	<100
m-Xylene	NA	NA	NA	NA	NA	c)	<500	<100
o-Xylene/p-Xylene	NA	NA	NA	NA	NA	c)	<500	<100
Sub Total 2	0	0	0	0	0	2	0	0
Total VOCs Analyzed	1,056	2,994	2,864	2,945	2,173	3,318	7,054	6,774

See last page for footnotes.

0425

Table A-1 Volatile Organic Compounds in Ground Water, Sauget Site R, Monsanto Company, Sauget, Illinois.

Well Number:	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B
Sample Date:	12/86	5/87	11/87	5/88	3/89	11/89	11/90	11/91
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	<2,000	<5,000	<1,000	<10,000	<1000	<5000	<5,000	<2500
Acrylonitrile	<2,000	<5,000	<1,000	<10,000	<1000	<5000	<5,000	<2500
Benzene	289	<220	485	<440	85.5	<220	<220	<110
bis(Chloromethyl) ether	<200	<500	<100	<1,000	<100	<500	<500	<250
Bromoform	<94	<240	<47	<470	<47	<240	<240	<120
Carbon tetrachloride	<56	<140	<28	<280	<28	<140	<140	<70
Chlorobenzene	3,310	447	4,060	2,200	2,760	2,560	3,560	2,410
Chlorodibromomethane	<62	<160	<31	<310	<31	<160	<160	<78
Chloroethane	<200	<500	<100	<1,000	<100	<500	<500	<250
2-Chloroethylvinyl ether	<200	<500	<100	<1,000	<100	<500	<500	<250
Chloroform	<32	<80	<16	<160	<16	<80	<80	<40
Dichlorobromomethane	<44	<110	<22	<220	<22	<110	<110	<55
Dichlorodifluoromethane	<200	<500	<100	<1,000	<100	<500	<500	<250
1,1-Dichloroethane	<94	<240	<47	<470	<47	<240	<240	<120
1,2-Dichloroethane	<56	<140	<28	<280	<28	<140	<140	<70
1,1-Dichloroethene	<56	<140	<28	<280	<28	<140	<140	<70
1,2-Dichloropropane	<120	<300	<60	<600	<60	<300	<300	<150
cis-1,3-Dichloropropene	<100	<250	<50	<500	<50	<250	<250	<130
Ethylbenzene	<140	<360	<72	<720	<100	<360	<360	<180
Methyl bromide	<200	<500	<100	<1,000	<100	<500	<500	<250
Methyl chloride	<200	<500	<100	<1,000	79.2	<500	<500	<250
Methylene chloride	<56	360	1,350	<280	<69	706	<140	<70
1,1,2,2-Tetrachloroethane	<140	<350	<69	<690	<41	<350	<350	<170
Tetrachloroethene	<82	<210	<41	<410	215	<210	<210	<100
Toluene	<120	<300	321	<600	<16	<300	533	<150
trans-1,2-Dichloroethene	<32	<80	<16	<160	<38	<80	<80	<40
1,1,1-Trichloroethane	<76	<190	<38	<380	<50	<190	<190	<95
1,1,2-Trichloroethane	<100	<250	<50	<500	<19	<250	<250	<130
Trichloroethene	<38	<95	<19	<190	<100	<95	<95	<48
Trichlorofluoromethane	<200	<500	<100	<1,000	<100	<500	<500	<250
Vinyl chloride	<200	<500	<100	<1,000	<100	<500	<500	<250
trans-1,3-Dichloropropene	<200	<500	<100	<1,000	<72	<500	<500	<250
Sub Total 1	3,599	807	6,216	2,200	3,140	3,266	4,093	2,410
Miscellaneous Volatile Organic Compounds								
Acetone	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA
Methylisobutyl ketone (MIBK)	NA	NA	1,250	NA	<100	NA	NA	NA
Methyl isoamyl ketone	NA	NA	<100	NA	<100	NA	NA	NA
m-Xylene	NA	NA	149	NA	<100	NA	NA	NA
o-Xylene/p-Xylene	NA	NA	116	NA	<100	NA	NA	NA
Sub Total 2	0	0	1,515	0	0	0	0	0
Total VOCs Analyzed	3,599	807	7,731	2,200	3,140	3,266	4,093	2,410

See last page for footnotes.

Well Number:	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C
Sample Date:	9/84**	11/85	2/86	12/86	5/87	11/87	5/88	11/88
Laboratory:	EEI	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	NA	<5,000	<1,000	<100	<5,000	<1,000	<10,000	<5,000
Acrylonitrile	NA	<5,000	<1,000	<100	<5,000	<1,000	<10,000	<5,000
Benzene	1,000	516	470	582	<220	297	<440	<220
bis(Chloromethyl) ether	<1.5	<500	<100	<10	<500	<100	<1,000	<500
Bromoform	<3.2	<240	<47	<4.7	<240	<47	<470	<240
Carbon tetrachloride	<1.5	<140	<28	<2.8	<140	<28	<280	<140
Chlorobenzene	3,800	5,130	4,890	4,530	621	4,910	4,700	2,920
Chlorodibromomethane	<2.0	<160	<31	<3.1	<160	<31	<310	<160
Chloroethane	<2.4	<500	<100	<10	<500	<100	<1,000	<500
2-Chloroethylvinyl ether	<5.9	<500	<100	<10	<500	<100	<1,000	<500
Chloroform	<0.8	<80	<16	<1.6	<80	<16	<160	<80
Dichlorobromomethane	<1.1	<110	<22	<2.2	<110	<22	<220	<110
Dichlorodifluoromethane	NA	<500	<100	<10	<500	<100	<1,000	<500
1,1-Dichloroethane	<0.8	<240	<47	<4.7	<240	<47	<470	<240
1,2-Dichloroethane	<1.5	<140	<28	<2.8	<140	<28	<280	<140
1,1-Dichloroethene	2	<140	<28	<2.8	<140	<28	<280	<140
1,2-Dichloropropane	<1.5	<300	<60	<6	<300	<60	<600	<300
cis-1,3-Dichloropropene	<1.5	<250	<50	<5	<250	<50	<500	<250
Ethylbenzene	18	<360	<72	<7.2	<360	<72	<720	<360
Methyl bromide	<1.5	<500	<100	<10	<500	<100	<1,000	<500
Methyl chloride	<1.6	<500	<100	<10	<500	<100	<1,000	<500
Methylene chloride	45	178	<28	<2.8	254	1,790	<280	283
1,1,2,2-Tetrachloroethane	<1.4	<350	<69	<6.9	<350	<69	<690	<350
Tetrachloroethene	<1.5	<210	<41	<4.1	<210	<41	<410	<210
Toluene	35	<300	<60	<6	<300	115	<600	<300
trans-1,2-Dichloroethene	2	<80	<16	<1.6	<80	<16	<160	<80
1,1,1-Trichloroethane	<1.2	<190	<38	<3.8	<190	<38	<380	<190
1,1,2-Trichloroethane	<1.6	<250	<50	<5	<250	<50	<500	<250
Trichloroethene	<1.3	<95	<19	<1.9	<95	<19	<190	<95
Trichlorofluoromethane	<1.2	<500	<100	<10	<500	<100	<1,000	<500
Vinyl chloride	<1.2	<500	<100	<10	<500	<100	<1,000	<500
trans-1,3-Dichloropropene	<1.5	<500	<100	<10	<500	<100	<1,000	<500
Sub Total 1	4,902	5,824	5,360	5,112	875	7,112	4,700	3,203
Miscellaneous Volatile Organic Compounds								
Acetone	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA
Methylisobutyl ketone (MIBK)	<5	<500	<100	NA	NA	236	NA	NA
Methyl isoamyl ketone	<5	<500	<100	NA	NA	<100	NA	NA
m-Xylene	c)	<500	<100	NA	NA	<100	NA	NA
o-Xylene/p-Xylene	c)	<500	<100	NA	NA	<100	NA	NA
Sub Total 2	0	0	0	0	0	236	0	0
Total VOCs Analyzed	4,902	5,824	5,360	5,112	875	7,348	4,700	3,203

See last page for footnotes.

Table A-1 Volatile Organic Compounds in Ground Water, Sauget Site R, Monsanto Company, Sauget, Illinois.

Well Number:	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-55C	GM-55C	GM-55C
Sample Date:	3/89	3/89*	11/89	11/90	11/91	11/87	5/88	11/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	<5000	<5000	<5000	<5,000	<2500	<1,000	<10,000	<5,000
Acrylonitrile	<5000	<5000	<5000	<5,000	<2500	<1,000	<10,000	<5,000
Benzene	<220	<220	<220	<220	<110	163	<440	<220
bis(Chloromethyl) ether	<500	<500	<500	<500	<250	<100	<1,000	<500
Bromoform	<240	<240	<240	<240	<120	<47	<470	<240
Carbon tetrachloride	<140	<140	<140	<140	<70	<28	<280	<140
Chlorobenzene	2,510	3,220	2,840	3,580	2,800	4,030	3,360	2,700
Chlorodibromomethane	<160	<160	<160	<160	<78	<31	<310	<160
Chloroethane	<500	<500	<500	<500	<250	<100	<1,000	<500
2-Chloroethylvinyl ether	<500	<500	<500	<500	<250	<100	<1,000	<500
Chloroform	<80	<80	<80	<80	<40	<16	<160	<80
Dichlorobromomethane	<110	<110	<110	<110	<55	<22	<220	<110
Dichlorodifluoromethane	<500	<500	<500	<500	<250	<100	<1,000	<500
1,1-Dichloroethane	<240	<240	<240	<240	<120	<47	<470	<240
1,2-Dichloroethane	<140	<140	<140	<140	<70	<28	<280	<140
1,1-Dichloroethene	<140	<140	<140	<140	<70	<28	<280	<140
1,2-Dichloropropane	<300	<300	<300	<300	<150	<60	<600	<300
cis-1,3-Dichloropropene	<250	<250	<250	<250	<130	<50	<500	<250
Ethylbenzene	<500	<500	<360	<360	<180	<72	<720	<360
Methyl bromide	<500	<500	<500	<500	<250	<100	<1,000	<500
Methyl chloride	<140	<140	<500	<500	<250	<100	<1,000	<500
Methylene chloride	<350	<350	488	<140	<70	48.9	415	255
1,1,2,2-Tetrachloroethane	<210	<210	<350	<350	<170	<69	<690	<350
Tetrachloroethene	<300	<300	<210	<210	<100	<41	<410	<210
Toluene	<80	<80	<300	431	<150	<60	<600	<300
trans-1,2-Dichloroethene	<190	<190	<80	<80	<40	<16	<160	<80
1,1,1-Trichloroethane	<250	<250	<190	<190	<95	<38	<380	<190
1,1,2-Trichloroethane	<95	<95	<250	<250	<130	<50	<500	<250
Trichloroethene	<500	<500	<95	<95	<48	<19	<190	<95
Trichlorofluoromethane	<500	<500	<500	<500	<250	<100	<1,000	<500
Vinyl chloride	<500	<500	<500	<500	<250	<100	<1,000	<500
trans-1,3-Dichloropropene	<360	<360	<500	<500	<250	<100	<1,000	<500
Sub Total 1	2,510	3,220	3,328	4,011	2,800	4,242	3,775	2,955
Miscellaneous Volatile Organic Compounds								
Acetone	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA
Methylisobutyl ketone (MIBK)	<500	<500	NA	NA	NA	<100	<1,000	<500
Methyl isoamyl ketone	<500	<500	NA	NA	NA	<100	<1,000	<500
m-Xylene	<500	<500	NA	NA	NA	<100	<1,000	<500
o-Xylene/p-Xylene	<500	<500	NA	NA	NA	<100	<1,000	<500
Sub Total 2	0	0	0	0	0	0	0	0
Total VOCs Analyzed	2,510	3,220	3,328	4,011	2,800	4,242	3,775	2,955

See last page for footnotes.

0428

Well Number:	GM-55C	GM-55C	GM-55C	GM-56C	GM-56C	GM-56C	GM-56C	GM-56C
Sample Date:	11/89	11/90	11/91	11/87	5/88	11/88	11/88	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	SL	ETC
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	<5,000	<5,000	<2500	<1,000	<1,000	<5,000	<1,000	<1,000
Acrylonitrile	<5,000	<5,000	<2500	<1,000	<1,000	<5,000	<1,000	<1,000
Benzene	<220	<220	<110	510	153	<220	250	108
bis(Chloromethyl) ether	<500	<500	<250	<100	<100	<500	<100	<100
Bromoform	<240	<240	<120	<47	<47	<240	<50	<47
Carbon tetrachloride	<140	<140	<70	<28	<28	<140	<50	<28
Chlorobenzene	3,220	2,580	2,990	3,980	1,000	2,400	4,200	3,100
Chlorodibromomethane	<160	<160	<78	<31	<31	<160	<50	<31
Chloroethane	<500	<500	<250	<100	<100	<500	<100	<100
2-Chloroethylvinyl ether	<500	<500	<250	<100	<100	<500	<50	<100
Chloroform	<80	<80	<40	<16	<16	<80	<50	<16
Dichlorobromomethane	<110	<110	<55	<22	<22	<110	<50	<22
Dichlorodifluoromethane	<500	<500	<250	<100	<100	<500	<100	<100
1,1-Dichloroethane	<240	<240	<120	<47	<47	<240	<50	<47
1,2-Dichloroethane	<140	<140	<70	<28	<28	<140	<50	<28
1,1-Dichloroethene	<140	<140	<70	<28	<28	<140	<50	<28
1,2-Dichloropropane	<300	<300	<150	<60	<60	<300	<50	<60
cis-1,3-Dichloropropene	<250	<250	<130	<50	<50	<250	<50	<50
Ethylbenzene	<360	<360	<180	150	<72	<360	140	105
Methyl bromide	<500	<500	<250	<100	<100	<500	<100	<100
Methyl chloride	<500	<500	<250	<100	<100	<500	<100	<100
Methylene chloride	140	<140	<70	<28	<28	240	<50	<28
1,1,2,2-Tetrachloroethane	<350	<350	<170	<69	<69	<350	<50	<69
Tetrachloroethene	<210	<210	<100	80.9	<41	<210	67	64.7
Toluene	<300	<300	<150	1,810	232	698	1,200	700
trans-1,2-Dichloroethene	<80	<80	<40	<16	<16	<80	<50	<16
1,1,1-Trichloroethane	<190	<190	<95	<38	<38	<190	<50	<38
1,1,2-Trichloroethane	<250	<250	<130	<50	<50	<250	<50	<50
Trichloroethene	<95	<95	<48	192	<19	<95	<50	30.6
Trichlorofluoromethane	<500	<500	<250	<100	<100	<500	<50	<100
Vinyl chloride	<500	<500	<250	<100	<100	<500	<100	<100
trans-1,3-Dichloropropene	<500	<500	<250	<100	<100	<500	<50	<100
Sub Total 1	3,360	2,580	2,990	6,723	1,385	3,338	5,857	4,108
Miscellaneous Volatile Organic Compounds								
Acetone	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA
Methylisobutyl ketone (MIBK)	<500	<500	<250	287	<100	<500	<500	<100
Methyl isoamyl ketone	<500	<500	<250	<100	<100	<500	<100	<100
m-Xylene	<500	<500	<250	846	<100	<500	260	458
o-Xylene/p-Xylene	<500	<500	<250	450	NA	<500	130	293
Sub Total 2	0	0	0	1,583	0	0	390	751
Total VOCs Analyzed	3,360	2,580	2,990	8,306	1,385	3,338	6,247	4,859

See last page for footnotes.

Well Number:	GM-56C	GM-56C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C
Sample Date:	11/90	11/91	11/87	11/87*	5/88	5/88*	11/88	11/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	SL
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	<5000	<1000	<1,000	<5,000	<10,000	<10,000	<5,000	<1 000
Acrylonitrile	<5000	<1000	<1,000	<5,000	<10,000	<10,000	<5,000	<1 000
Benzene	<220	<44	605	459	<440	<440	566	520
bis(Chloromethyl) ether	<500	<100	<100	<500	<1,000	<1,000	<500	<100
Bromoform	<240	<47	<47	<240	<470	<470	<240	<50
Carbon tetrachloride	<140	<28	<28	<140	<280	<280	<140	<50
Chlorobenzene	4,620	1,280	5,050	3,740	3,020	3,020	4,510	5200
Chlorodibromomethane	<160	<31	<31	<160	<310	<310	<160	<50
Chloroethane	<500	<100	<100	<500	<1,000	<1,000	<500	<100
2-Chloroethylvinyl ether	<500	<100	<100	<500	<1,000	<1,000	<500	<50
Chloroform	<80	<16	<16	<80	<160	<160	<80	<50
Dichlorobromomethane	<110	<22	<22	<110	<220	<220	<110	<50
Dichlorodifluoromethane	<500	<100	<100	<500	<1,000	<1,000	<500	<100
1,1-Dichloroethane	<240	<47	<47	<240	<470	<470	<240	<50
1,2-Dichloroethane	<140	<28	1,910	1,690	<280	<280	1,260	<50
1,1-Dichloroethene	<140	<28	<28	<140	<280	<280	<140	<50
1,2-Dichloropropane	<300	<60	<60	<300	<600	<600	<300	<50
cis-1,3-Dichloropropene	<250	<50	<50	<250	<500	<500	<250	<50
Ethylbenzene	<360	<72	160	<500	<720	<720	<500	190
Methyl bromide	<500	<100	<100	<500	<1,000	<1,000	<500	<100
Methyl chloride	<500	<100	<100	<500	<1,000	<1,000	<500	<100
Methylene chloride	<140	<28	94.0	231	417	<280	284	58
1,1,2,2-Tetrachloroethane	<350	<69	<69	<350	<690	<690	<350	<50
Tetrachloroethene	<210	<41	102	<210	<410	<410	<210	95
Toluene	1,360	<60	1,210	775	<600	<600	817	890
trans-1,2-Dichloroethene	<80	<16	<16	<80	<160	<160	<80	<50
1,1,1-Trichloroethane	<190	<38	<38	<190	<380	<380	<190	<50
1,1,2-Trichloroethane	<250	<50	<50	<250	<500	<500	<250	<50
Trichloroethene	<95	<19	88.4	<95	<190	<190	<95	<50
Trichlorofluoromethane	<500	<100	<100	<500	<1,000	<1,000	<500	<50
Vinyl chloride	<500	<100	<100	<500	<1,000	<1,000	<500	<100
trans-1,3-Dichloropropene	<500	<100	<100	<360	<1,000	<1,000	<360	<50
Sub Total 1	5,980	1,280	9,219	6,895	3,437	3,020	7,437	6,953
Miscellaneous Volatile Organic Compounds								
Acetone	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA
Methylisobutyl ketone (MIBK)	<500	<100	841	687	<1,000	<1,000	521	<500
Methyl isoamyl ketone	<500	<100	<100	<500	<1,000	<1,000	<500	<100
m-Xylene	813	229	901	533	<1,000	<1,000	<500	240
o-Xylene/p-Xylene	<500	116	465	<500	<1,000	<1,000	<500	120
Sub Total 2	813	345	2,207	1,220	0	0	521	360
Total VOCs Analyzed	6,793	1,625	11,426	8,115	3,437	3,020	7,958	7,313

See last page for footnotes.

Well Number:	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-62A
Sample Date:	3/89	11/89	11/89*	11/90	11/90*	11/91	11/91*	8/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	<10000	<10000	<5000	<5,000	<5,000	<2500	<2500	<100
Acrylonitrile	<10000	<10000	<5000	<5,000	<5,000	<2500	<2500	<100
Benzene	<440	<440	<220	613	607	220	225	<4.4
bis(Chloromethyl) ether	<1000	<1000	<500	<500	<500	<250	<250	<10
Bromoform	<470	<470	<240	<240	<240	<120	<120	<4.7
Carbon tetrachloride	<280	<280	<140	<140	<140	<70	<70	<2.8
Chlorobenzene	7,380	2,320	2,330	5,850	5,650	4,900	4,570	<6.0
Chlorodibromomethane	<310	<310	<160	<160	<160	<78	<78	<3.1
Chloroethane	<1000	<1000	<500	<500	<500	<250	<250	<10
2-Chloroethylvinyl ether	<1000	<1000	<500	<500	<500	<250	<250	<10
Chloroform	<160	<160	<80	<80	<80	<40	<40	<1.6
Dichlorobromomethane	<220	<220	<110	<110	<110	<55	<55	<2.2
Dichlorodifluoromethane	<1000	<1000	<500	<500	<500	<250	<250	18.3
1,1-Dichloroethane	<470	<470	<240	<240	<240	<120	<120	<4.7
1,2-Dichloroethane	555	<280	286	811	787	112	<70	<2.8
1,1-Dichloroethene	<280	<280	<140	<140	<140	<70	<70	<2.8
1,2-Dichloropropane	<600	<600	<300	<300	<300	<150	<150	<6.0
cis-1,3-Dichloropropene	<500	<500	<250	<250	<250	<130	<130	<5.0
Ethylbenzene	<1000	<720	<360	<360	<360	279	280	<7.2
Methyl bromide	<1000	<1000	<500	<500	<500	<250	<250	<10
Methyl chloride	466	<1000	<500	<500	<500	<250	<250	<10
Methylene chloride	<690	<280	<140	<140	<140	<70	<70	<2.8
1,1,2,2-Tetrachloroethane	<410	<690	<350	<350	<350	<170	<170	<6.9
Tetrachloroethene	1,220	<410	<210	<210	<210	<100	107	<4.1
Toluene	<160	<600	328	1,150	2,070	742	800	<6.0
trans-1,2-Dichloroethene	<380	<160	<80	<80	<80	<40	<95	8.52
1,1,1-Trichloroethane	<500	<380	<190	<190	<190	<95	<130	<3.8
1,1,2-Trichloroethane	<190	<500	<250	<250	<250	<130	<48	<5.0
Trichloroethene	<1000	<190	<95	<95	<95	<48	<250	<1.9
Trichlorofluoromethane	<1000	<1000	<500	<500	<500	<250	<250	<10
Vinyl chloride	<1000	<1000	<500	<500	<500	<250	<250	<10
trans-1,3-Dichloropropene	<720	<1000	<500	<500	<500	<250	<250	<10
Sub Total 1	9,621	2,320	2,944	8,424	9,114	6,253	5,982	27
Miscellaneous Volatile Organic Compounds								
Acetone	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA
Methylisobutyl ketone (MIBK)	<1000	<1000	<500	<500	<500	<250	<250	<10
Methyl isoamyl ketone	<1000	<1000	<500	<500	<500	<250	<250	<10
m-Xylene	<1000	<1000	<500	<500	<500	962	953	<10
o-Xylene/p-Xylene	<1000	<1000	<500	<500	<500	538	539	<10
Sub Total 2	0	0	0	0	0	1,500	1,492	0
Total VOCs Analyzed	9,621	2,320	2,944	8,424	9,114	7,753	7,474	27

See last page for footnotes.

Well Number:	GM-62A	GM-62A	GM-62A	GM-62B	GM-62B	GM-62B	GM-62B	GM-62B
Sample Date:	11/88	11/89	11/91	8/88	8/88*	11/88	11/88	5/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	SL	ETC
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	<100	<100	<100	<100	<100	<100	<500	<100
Acrylonitrile	<100	<100	<100	<100	<100	<100	<500	<100
Benzene	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<50	<4.4
bis(Chloromethyl) ether	<10	<10	<10	<10	<10	<10	<100	<10
Bromoform	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<50	<4.7
Carbon tetrachloride	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<50	<2.8
Chlorobenzene	<6.0	<6.0	<6.0	43	33.8	6.18	<50	19.3
Chlorodibromomethane	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<50	<3.1
Chloroethane	<10	<10	<10	<10	<10	<10	<100	<10
2-Chloroethylvinyl ether	<10	<10	<10	<10	<10	<10	<50	<10
Chloroform	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<50	<1.6
Dichlorobromomethane	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<50	<2.2
Dichlorodifluoromethane	<10	<10	<10	<10	19	<10	<100	<10
1,1-Dichloroethane	<4.7	<4.7	<4.7	32	26.9	13.7	<50	<4.7
1,2-Dichloroethane	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<50	<2.8
1,1-Dichloroethene	11.8	<2.8	<2.8	19.4	15.4	<2.8	<50	<2.8
1,2-Dichloropropane	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<50	<6.0
cis-1,3-Dichloropropene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0
Ethylbenzene	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<50	<7.2
Methyl bromide	<10	<10	<10	<10	<10	<10	<100	<10
Methyl chloride	<10	<10	<10	<10	<10	<10	<100	<10
Methylene chloride	78.2	<2.8	<2.8	<2.8	<2.8	33.1	<50	<2.8
1,1,2,2-Tetrachloroethane	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<50	<6.9
Tetrachloroethene	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<50	<4.1
Toluene	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<50	<6.0
trans-1,2-Dichloroethene	12.2	20.0	15.5	34.1	28.7	8.5	<50	3.74
1,1,1-Trichloroethane	<3.8	<3.8	<3.8	25	20.4	<3.8	<50	<3.8
1,1,2-Trichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0
Trichloroethene	<1.9	<1.9	<1.9	7.02	7.02	<1.9	<50	<1.9
Trichlorofluoromethane	<10	<10	<10	<10	<10	<10	<50	<10
Vinyl chloride	<10	<10	<10	<10	<10	<10	<100	<10
trans-1,3-Dichloropropene	<10	<10	<10	<10	<10	<10	<50	<10
Sub Total 1	102	20	16	161	151	61	0	23
Miscellaneous Volatile Organic Compounds								
Acetone	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA
Methylisobutyl ketone (MIBK)	<10	NA	NA	<10	<10	<10	<500	NA
Methyl isoamyl ketone	<10	NA	NA	<10	<10	<10	<100	NA
m-Xylene	<10	NA	NA	<10	<10	<10	<50	NA
o-Xylene/p-Xylene	<10	NA	NA	<10	<10	<10	<50	NA
Sub Total 2	0	0	0	0	0	0	0	0
Total VOCs Analyzed	102	20	16	161	151	61	0	23

See last page for footnotes.

Well Number:	GM-62B	GM-62B	GM-62B	GM-62B	GM-62C	GM-62C	GM-62C	GM-62C
Sample Date:	5/89*	11/89	11/91	11/91*	10/85	8/88	11/88	5/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	<100	<100	<100	<100	<100	<100	<100	<100
Acrylonitrile	<100	<100	<100	<100	<100	<100	<100	<100
Benzene	<4.4	<4.4	<4.4	<4.4	29.8	<4.4	8.16	7.40
bis(Chloromethyl) ether	<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
Carbon tetrachloride	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
Chlorobenzene	19.4	40.9	29.1	31.1	58.6	6.5	11.1	17.2
Chlorodibromomethane	<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
2-Chloroethylvinyl ether	<10	<10	<10	<10	<10	<10	<10	<10
Chloroform	<1.6	<1.6	<1.6	<1.6	<1.6	17	<1.6	<1.6
Dichlorobromomethane	<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
1,1-Dichloroethane	<4.7	13.1	<4.7	4.83	<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
1,1-Dichloroethene	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
1,2-Dichloropropane	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
cis-1,3-Dichloropropene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethylbenzene	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2
Methyl bromide	<10	<10	<10	<10	<10	<10	<10	<10
Methyl chloride	<10	<10	<10	<10	<10	<10	<10	<10
Methylene chloride	<2.8	<2.8	<2.8	<2.8	4.48	<2.8	61.8	<2.8
1,1,2,2-Tetrachloroethane	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9
Tetrachloroethene	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1
Toluene	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
trans-1,2-Dichloroethene	3.72	10.2	<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
1,1,2-Trichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethene	<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
Vinyl chloride	<10	<10	<10	<10	<10	<10	55.8	39.9
trans-1,3-Dichloropropene	<10	<10	<10	<10	<10	<10	<10	<10
Sub Total 1	23	64	29	36	93	24	137	65
Miscellaneous Volatile Organic Compounds								
Acetone	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA
Methylisobutyl ketone (MIBK)	NA	NA	NA	NA	NA	<10	<10	NA
Methyl isoamyl ketone	NA	NA	NA	NA	NA	<10	NA	NA
m-Xylene	NA	NA	NA	NA	NA	<10	<10	NA
o-Xylene/p-Xylene	NA	NA	NA	NA	NA	<10	<10	NA
Sub Total 2	0	0	0	0	0	0	0	0
Total VOCs Analyzed	23	64	29	36	93	24	137	65

See last page for footnotes.

Table A-1 Volatile Organic Compounds in Ground Water, Sauget Site R, Monsanto Company, Sauget, Illinois

Well Number:	GM-62C	GM-106	GM-106	GM-106	GM-106	GM-106	GM-106	GM-106
Sample Date:	11/91	11/85	2/86	2/86*	12/86	5/87	11/87	5/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	<100	<100	<1,000	<1,000	<100	<100	<1,000	<1,000
Acrylonitrile	<100	<100	<1,000	<1,000	<100	<100	<1,000	<1,000
Benzene	30.2	<4.4	<44	<44	<4.4	8.1	44.6	<44
bis(Chloromethyl) ether	<10	<10	<100	<100	<10	<10	<100	<100
Bromoform	<4.7	<4.7	<47	<47	<4.7	<4.7	<47	<47
Carbon tetrachloride	<2.8	<2.8	<28	<28	<2.8	<2.8	<28	<28
Chlorobenzene	117	21.4	201	<60	63.7	119.0	970	584
Chlorodibromomethane	<3.1	<3.1	<31	<31	<3.1	<3.1	<31	<31
Chloroethane	<10	<10	<100	<100	<10	<10	<100	<100
2-Chloroethylvinyl ether	<10	<10	<100	<100	<10	<10	<100	<100
Chloroform	<1.6	<1.6	<16	<16	<1.6	<1.6	<16	<16
Dichlorobromomethane	<2.2	<2.2	<22	<22	<2.2	<2.2	<22	<22
Dichlorodifluoromethane	<10	<10	<100	<100	<10	<10	<100	<100
1,1-Dichloroethane	<4.7	<4.7	<47	<47	<4.7	<4.7	<47	<47
1,2-Dichloroethane	<2.8	<2.8	<28	<28	<2.8	<2.8	<28	<28
1,1-Dichloroethene	<2.8	<2.8	<28	<28	<2.8	<2.8	<28	<28
1,2-Dichloropropane	<6.0	<6	<60	<60	<6	<6	<60	<60
cis-1,3-Dichloropropene	<5.0	<5	<50	<50	<5	<5	<50	<50
Ethylbenzene	<7.2	<7.2	<72	<72	<7.2	7.3	<72	<72
Methyl bromide	<10	<10	<100	<100	<10	<10	<100	<100
Methyl chloride	<10	<10	<100	<100	<10	<10	<100	<100
Methylene chloride	<2.8	<2.8	<28	<28	9.4	7.2	38.8	<28
1,1,2,2-Tetrachloroethane	<6.9	<6.9	<69	<69	<6.9	<6.9	<69	<69
Tetrachloroethene	<4.1	<4.1	<41	<41	<4.1	<4.1	<41	<41
Toluene	<6.0	15	104	<60	27.7	37.1	307	177
trans-1,2-Dichloroethene	<1.6	<1.6	<16	<16	<1.6	<1.6	<16	<16
1,1,1-Trichloroethane	<3.8	<3.8	<38	<38	<3.8	<3.8	<38	<38
1,1,2-Trichloroethane	<5.0	<5	<50	<50	<5	<5	<50	<50
Trichloroethene	<1.9	<1.9	<19	<19	<1.9	<1.9	<19	
Trichlorofluoromethane	<10	<10	<100	<100	<10	<10	<100	
Vinyl chloride	16.3	<10	<100	<100	<10	<10	<100	<100
trans-1,3-Dichloropropene	<10	<10	<100	<100	<10	<10	<100	<100
Sub Total 1	164	36	305	0	101	179	1,360	761
Miscellaneous Volatile Organic Compounds								
Acetone	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA
Methylisobutyl ketone (MIBK)	NA	<10	<100	<100	NA	NA	NA	NA
Methyl isoamyl ketone	NA	<10	<100	<100	NA	NA	NA	NA
m-Xylene	NA	<10	100	<100	NA	NA	NA	NA
o-Xylene/p-Xylene	NA	<10	<100	<100	NA	NA	NA	NA
Sub Total 2	0	0	100	0	0	0	0	0
Total VOCs Analyzed	164	36	405	0	101	179	1,360	761

See last page for footnotes.

0434

Well Number:	GM-106	GM-106	GM-106	GM-106	B-24A	B-25A	B-25A	B-25B
Sample Date:	11/88	11/89	11/90	11/91	2/86	6/84	11/85	6/84
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	<2,500	<5000	<500	<1000	<10,000	<1	<10,000	<1
Acrylonitrile	<2,500	<5000	<500	<1000	<10,000	<1	<10,000	<1
Benzene	<110	<220	55.0	61.8	2,360	<1	<440	51
bis(Chloromethyl) ether	<250	<500	<50	<100	<1,000	<1	<1,000	<1
Bromoform	<120	<240	<24	<47	<470	<1	<470	<1
Carbon tetrachloride	<70	<140	<14	<28	<280	<1	<280	<1
Chlorobenzene	1,750	1,940	1,270	1,420	6,180	8,520	18,900	9,930
Chlorodibromomethane	<78	<160	<16	<31	<310	<1	<310	<1
Chloroethane	<250	<500	<50	<100	<1,000	309	<1,000	42
2-Chloroethylvinyl ether	<250	<500	<50	<100	<1,000	<1	<1,000	<1
Chloroform	<40	<80	<8.0	<16	<160	77	<160	9
Dichlorobromomethane	<55	<110	<11	<22	<220	<1	<220	<1
Dichlorodifluoromethane	<250	<500	<50	<100	<1,000	<1	<1,000	<1
1,1-Dichloroethane	<120	<240	<24	<47	<470	<1	<470	<1
1,2-Dichloroethane	<70	<140	<14	<28	2,100	10,000	18,500	1,430
1,1-Dichloroethene	<70	<140	<14	<28	<280	<1	<280	<1
1,2-Dichloropropane	<150	<300	<30	<60	<600	<1	<600	<1
cis-1,3-Dichloropropene	<130	<250	<25	<50	<500	<1	<500	<1
Ethylbenzene	<180	<360	79.2	85.2	<720	11	<720	4
Methyl bromide	<250	<500	<50	<100	<1,000	<1	<1,000	<1
Methyl chloride	<250	<500	<50	<100	<1,000	30	<1,000	29
Methylene chloride	760	228	<14	<28	1,160	204	<280	<1
1,1,2,2-Tetrachloroethane	<170	<350	<35	<69	<690	<1	<690	<1
Tetrachloroethene	<100	<210	43.6	49.3	<410	19	<410	15
Toluene	488	571	407	429	1,140	316	736	269
trans-1,2-Dichloroethene	<40	<80	<8.0	<16	<160	<1	<160	2
1,1,1-Trichloroethane	<95	<190	<19	<38	<380	<1	<380	<1
1,1,2-Trichloroethane	<130	<250	<25	<50	<500	<1	<500	<1
Trichloroethene	<48	<95	22.2	<19	<190	7	<190	4
Trichlorofluoromethane	<250	<500	<50	<100	<1,000	<1	<1,000	<1
Vinyl chloride	<250	<500	<50	<100	<1,000	4	<1,000	7
trans-1,3-Dichloropropene	<250	<500	<50	<100	<1,000	<1	<1,000	<1
Sub Total 1	2,998	2,739	1,877	2,045	12,940	19,497	38,136	11,792
Miscellaneous Volatile Organic Compounds								
Acetone	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA
Methylisobutyl ketone (MIBK)	NA	NA	NA	NA	3,170.0	NA	<1,000	NA
Methyl isoamyl ketone	NA	NA	NA	NA	<1,000	NA	<1,000	NA
m-Xylene	NA	NA	NA	NA	<1,000	NA	<1,000	NA
o-Xylene/p-Xylene	NA	NA	NA	NA	<1,000	NA	<1,000	NA
Sub Total 2	0	0	0	0	3,170	0	0	0
Total VOCs Analyzed	2,998	2,739	1,877	2,045	16,110	19,497	38,136	11,792

See last page for footnotes.

Well Number:	B-25B	B-26A	B-27B	B-27B	B-28A	B-28A	B-29A	B-29A
Sample Date:	11/85	3/87	9/84**	9/84*	2/86	3/87	6/84	11/85
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	<10,000	<100	NA	NA	<1,000	<1,000	<1	<1,000
Acrylonitrile	<10,000	<100	NA	NA	<1,000	<1,000	<1	<1,000
Benzene	<440	42.3	3,420	7,058	<44	<44	18	<44
bis(Chloromethyl) ether	<1,000	<10	<1.5	<300	<100	<100	<1	<100
Bromoform	<470	<4.7	<3.2	<640	<47	<47	<1	<47
Carbon tetrachloride	<280	<2.8	<1.5	<300	<28	<28	<1	<28
Chlorobenzene	13,100	158	4,160	5,320	1,510	929	1,970	1,280
Chlorodibromomethane	<310	<3.1	<2.0	<400	<31	<31	<1	<31
Chloroethane	<1,000	<10	<2.4	<480	<100	<100	<1	<100
2-Chloroethylvinyl ether	<1,000	<10	<5.9	<1,180	<100	<100	<1	<100
Chloroform	<160	<1.6	<0.8	<160	<16	<16	18	28.9
Dichlorobromomethane	<220	<2.2	<1.1	<220	<22	<22	<1	<22
Dichlorodifluoromethane	<1,000	<10	NA	NA	<100	<100	<1	<100
1,1-Dichloroethane	<470	8.86	<0.8	<160	<47	<47	<1	<47
1,2-Dichloroethane	3,510	<2.8	<1.5	<300	<28	<28	<1	<28
1,1-Dichloroethene	<280	<2.8	<1.9	260	<28	<28	<1	<28
1,2-Dichloropropane	<600	<6.0	<1.5	<300	<60	<60	<1	<60
cis-1,3-Dichloropropene	<500	<5.0	<1.5	<300	<50	<50	<1	
Ethylbenzene	<720	<7.2	<0.4	<80	<72	<72	14	
Methyl bromide	<1,000	<10	<1.5	<300	<100	<100	<1	<100
Methyl chloride	<1,000	<10	<1.6	<320	<100	<100	<1	<100
Methylene chloride	<280	<2.8	1,740	8,100	<28	<28	50	<28
1,1,2,2-Tetrachloroethane	<690	<6.9	<1.4	<280	<69	<69	<1	<69
Tetrachloroethene	<410	<4.1	<1.5	<300	<41	<41	<1	<41
Toluene	<600	<6.0	16,200	18,500	<60	<60	195	532
trans-1,2-Dichloroethene	<160	4.64	<1.5	<300	<16	<16	<1	<16
1,1,1-Trichloroethane	<380	<3.8	<1.2	<240	<38	<38	<1	<38
1,1,2-Trichloroethane	<500	<5.0	<1.6	<320	<50	<50	<1	<50
Trichloroethene	<190	<1.9	<1.3	<260	<19	<19	2	40.2
Trichlorofluoromethane	<1,000	<10	<1.2	<240	<100	<100	<1	<100
Vinyl chloride	<1,000	<10	<1.2	<240	<100	<100	<1	<100
trans-1,3-Dichloropropene	<1,000	<10	<1.5	<300	<100	<100	<1	<100
Sub Total 1	16,610	214	25,520	39,238	1,510	929	2,267	1,881
Miscellaneous Volatile Organic Compounds								
Acetone	NA	<10	NA	NA	NA	<100	NA	NA
Methyl ethyl ketone	NA	<10	NA	NA	NA	<100	NA	NA
Carbon disulfide	NA	<10	NA	NA	NA	<100	NA	NA
2-Hexanone	NA	<10	NA	NA	NA	<100	NA	NA
Styrene	NA	<10	NA	NA	NA	<100	NA	NA
Methylisobutyl ketone (MIBK)	<1,000	<10	<5	40,400.0	<100	<100	NA	248.0
Methyl isoamyl ketone	<1,000	NA	<5	<1,000	<100	NA	NA	<100
m-Xylene	<1,000	<10	<5	<1,000	<100	<100	NA	<100
o-Xylene/p-Xylene	<1,000	<10	<5	<1,000	<100	<100	NA	<100
Sub Total 2	0	0	0	40,400	0	0	0	248
Total VOCs Analyzed	16,610	214	25,520	79,638	1,510	929	2,267	2,129

See last page for footnotes.

Well Number:	B-29B	B-29B	B-29B	B-29B	B-29B	B-30B	P-1	P-1
Sample Date:	6/84	6/84*	6/84#	11/84	11/85	9/84**	9/84**	3/87
Laboratory:	ETC	ETC	EEI	ETC	ETC	EEI	EEI	ETC
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	<1	<1	<50,000	<10,000	<1,000	NA	NA	<100
Acrylonitrile	<1	<1	<50,000	<10,000	<1,000	NA	NA	<100
Benzene	20	16	<5,000	<1,000	<44	176	<0.5	<4.4
bis(Chloromethyl) ether	<1	<1	<5,000	<1,000	<100	<1.5	<1.5	<10
Bromoform	<1	<1	<5,000	<1,000	<47	<3.2	<3.2	<4.7
Carbon tetrachloride	<1	<1	<5,000	<1,000	<28	<1.5	<1.5	<2.8
Chlorobenzene	769	828	<5,000	1,500	1,710	2,350	<0.6	454
Chlorodibromomethane	<1	<1	<5,000	<1,000	<31	<2.0	<2.0	<3.1
Chloroethane	<1	<1	<5,000	<1,000	<100	<2.4	<2.4	<10
2-Chloroethylvinyl ether	<1	<1	<5,000	<1,000	<100	<5.9	<5.9	<10
Chloroform	39	38	<5,000	<1,000	48.7	64	<0.8	<1.6
Dichlorobromomethane	<1	<1	<5,000	<1,000	<22	<1.1	<1.1	<2.2
Dichlorodifluoromethane	<1	<1	<5,000	<1,000	<100	NA	NA	<10
1,1-Dichloroethane	<1	<1	<5,000	<1,000	<47	3	<0.8	<4.7
1,2-Dichloroethane	<1	<1	<5,000	<1,000	<28	142	<1.5	<2.8
1,1-Dichloroethene	<1	<1	<5,000	<1,000	<28	<1.9	<1.9	<2.8
1,2-Dichloropropane	<1	<1	<5,000	<1,000	<60	<1.5	<1.5	<6.0
cis-1,3-Dichloropropene	<1	<1	<5,000	<1,000	<50	<1.5	<1.5	<5.0
Ethylbenzene	33	30	<5,000	<1,000	<72	359	<0.4	<7.2
Methyl bromide	<1	<1	<5,000	<1,000	<100	<1.5	<1.5	<10
Methyl chloride	<1	<1	57,000	<1,000	<100	<1.6	<1.6	<10
Methylene chloride	19	17	127,000	<1,000	<28	48	4	<2.8
1,1,2,2-Tetrachloroethane	<1	<1	<5,000	<1,000	<69	<1.4	<1.4	<6.9
Tetrachloroethene	<1	<1	<5,000	<1,000	<41	940	<1.5	<4.1
Toluene	225	227	<5,000	<1,000	491	228	<0.4	<6.0
trans-1,2-Dichloroethene	<1	<1	<5,000	<1,000	<16	163	<1.5	<1.6
1,1,1-Trichloroethane	<1	<1	<5,000	<1,000	<38	<1.2	<1.2	<3.8
1,1,2-Trichloroethane	<1	<1	<5,000	<1,000	<50	<1.6	<1.6	<5.0
Trichloroethene	<1	<1	<5,000	<1,000	<19	36	<1.3	<1.9
Trichlorofluoromethane	<1	<1	<5,000	<1,000	<100	<1.2	<1.2	<10
Vinyl chloride	<1	<1	<5,000	<1,000	<100	<1.2	<1.2	<10
trans-1,3-Dichloropropene	<1	<1	<5,000	<1,000	<100	<1.5	<1.5	<10
Sub Total 1	1,105	1,156	184,000	1,500	2,250	4,509	4	454
Miscellaneous Volatile Organic Compounds								
Acetone	NA	NA	NA	NA	NA	NA	NA	30.4
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	<10
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	<10
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	<10
Styrene	NA	NA	NA	NA	NA	NA	NA	<10
Methylisobutyl ketone (MIBK)	NA	NA	NA	<1,000	177.0	2,640.0	<5	<10
Methyl isoamyl ketone	NA	NA	NA	<1,000	<100	<5	<5	NA
m-Xylene	NA	NA	NA	<1,000	218.0	d)	<5	<10
o-Xylene/p-Xylene	NA	NA	NA	<1,000	146.0	d)	<5	<10
Sub Total 2	0	0	0	0	541	2,640	0	30
Total VOCs Analyzed	1,105	1,156	184,000	1,500	2,791	7,149	4	484

See last page for footnotes.

Well Number:	P-1	P-2	P-2	P-2	P-2	P-2	P-2	P-2
Sample Date:	11/87	6/84	11/85	12/86	5/87	11/87	5/88	11/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	<1,000	<1	<1,000	<100	<100	<1,000	<2,000	<2,000
Acrylonitrile	<1,000	<1	<1,000	<100	<100	<1,000	<2,000	<2,000
Benzene	102	54	106	56.1	50.8	140	88.3	571
bis(Chloromethyl) ether	<100	<1	<100	<10	<10	<100	<200	<200
Bromoform	<47	<1	<47	<4.7	<4.7	<47	<94	<94
Carbon tetrachloride	<28	<1	<28	<2.8	<2.8	<28	<56	<56
Chlorobenzene	1,110	687	764	618	497	1,040	605	1,510
Chlorodibromomethane	<31	<1	<31	<3.1	<3.1	<31	<62	<62
Chloroethane	<100	<1	<100	<10	<10	<100	<200	<200
2-Chloroethylvinyl ether	<100	<1	<100	<10	<10	<100	<200	<200
Chloroform	<16	<1	<16	<1.6	<1.6	<16	<32	<32
Dichlorobromomethane	<22	<1	<22	<2.2	<2.2	<22	<44	<44
Dichlorodifluoromethane	<100	<1	<100	<10	<10	<100	<200	<200
1,1-Dichloroethane	<47	<1	<47	<4.7	<4.7	<47	<94	<94
1,2-Dichloroethane	<28	<1	<28	<2.8	<2.8	<28	<56	<56
1,1-Dichloroethene	35.1	<1	<28	<2.8	<2.8	<28	<56	<56
1,2-Dichloropropane	<60	<1	<60	<6	<6	<60	<120	<120
cis-1,3-Dichloropropene	<50	<1	<50	<5	<5	<50	<100	<100
Ethylbenzene	<72	1	<72	<7.2	<7.2	<72	<140	<140
Methyl bromide	<100	<1	<100	<10	<10	<100	<200	<200
Methyl chloride	<100	<1	<100	<10	<10	<100	<200	<200
Methylene chloride	95.0	81	<28	13.6	<2.8	<28	<56	664
1,1,2,2-Tetrachloroethane	<69	<1	<69	<6.9	<6.9	<69	<140	<140
Tetrachloroethene	<41	<1	<41	<4.1	<4.1	<41	<82	<82
Toluene	<60	4	<60	<6	<6	<60	<120	198
trans-1,2-Dichloroethene	29.2	<1	<16	<1.6	<1.6	<16	<32	609
1,1,1-Trichloroethane	<38	<1	<38	<3.8	<3.8	<38	<76	[illegible]46
1,1,2-Trichloroethane	<50	<1	<50	<5	<5	<50	<100	[illegible]00
Trichloroethene	<19	<1	<19	<1.9	<1.9	<19	<38	[illegible]19
Trichlorofluoromethane	<100	<1	<100	<10	<10	<100	<200	[illegible]00
Vinyl chloride	<100	<1	<100	<10	<10	<100	<200	1,290
trans-1,3-Dichloropropene	<100	<1	<100	<10	<10	<100	<200	<200
Sub Total 1	1,371	827	870	688	548	1,180	693	5,237
Miscellaneous Volatile Organic Compounds								
Acetone	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA
Methylisobutyl ketone (MIBK)	<100	NA	<100	NA	NA	<100	NA	NA
Methyl isoamyl ketone	<100	NA	<100	NA	NA	<100	NA	NA
m-Xylene	<100	NA	<100	NA	NA	<100	NA	NA
o-Xylene/p-Xylene	<100	NA	<100	NA	NA	<100	NA	NA
Sub Total 2	0	0	0	0	0	0	0	0
Total VOCs Analyzed	1,371	827	870	688	548	1,180	693	5,237

See last page for footnotes.

0438

Well Number:	P-2	P-2	P-2	P-3	P-6	P-6	P-6	P-6
Sample Date:	11/89	11/90	11/91	11/87	6/84	11/85	12/86	5/87
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	<5000	<5,000	<2500	<1,000	<1	<100	<100	<100
Acrylonitrile	<5000	<5,000	<2500	<1,000	<1	<100	<100	<100
Benzene	272	241	514	2,220	31	24.3	79.2	<4.4
bis(Chloromethyl) ether	<500	<500	<250	<100	<1	<10	<10	<10
Bromoform	<240	<240	<120	<47	<1	<4.7	<4.7	<4.7
Carbon tetrachloride	<140	<140	<70	<28	<1	<2.8	<2.8	<2.8
Chlorobenzene	1,810	2,950	3,670	346	130	98.1	366	33.1
Chlorodibromomethane	<160	<160	<78	<31	<1	<3.1	<3.1	<3.1
Chloroethane	<500	<500	<250	<100	<1	<10	<10	<10
2-Chloroethylvinyl ether	<500	<500	<250	<100	<1	<10	<10	<10
Chloroform	<80	<80	<40	<16	<1	<1.6	<1.6	<1.6
Dichlorobromomethane	<110	<110	<55	<22	<1	<2.2	<2.2	<2.2
Dichlorodifluoromethane	<500	<500	<250	<100	<1	<10	<10	<10
1,1-Dichloroethane	<240	<240	<120	<47	<1	<4.7	<4.7	<4.7
1,2-Dichloroethane	<140	<140	<70	<28	<1	<2.8	<2.8	<2.8
1,1-Dichloroethene	<140	<140	<70	<28	<1	<2.8	<2.8	<2.8
1,2-Dichloropropane	<300	<300	<150	<60	<1	<6	<6	<6
cis-1,3-Dichloropropene	<250	<250	<130	<50	<1	<5	<5	<5
Ethylbenzene	<360	<360	<180	<72	1	<7.2	<7.2	<7.2
Methyl bromide	<500	<500	<250	<100	<1	<10	<10	<10
Methyl chloride	<500	<500	<250	<100	<1	<10	<10	<10
Methylene chloride	<140	<140	<70	<28	99	<2.8	33.9	<2.8
1,1,2,2-Tetrachloroethane	<350	<350	<170	<69	<1	<6.9	<6.9	<6.9
Tetrachloroethene	<210	<210	<100	<41	<1	<4.1	<4.1	<4.1
Toluene	<300	306	717	<60	5	<6	<6	<6
trans-1,2-Dichloroethene	<80	<80	<40	<16	<1	<1.6	<1.6	<1.6
1,1,1-Trichloroethane	<190	<190	<95	<38	<1	<3.8	<3.8	<3.8
1,1,2-Trichloroethane	<250	<250	<130	<50	<1	<5	<5	<5
Trichloroethene	<95	<95	<48	<19	<1	<1.9	<1.9	<1.9
Trichlorofluoromethane	<500	<500	<250	<100	<1	<10	<10	<10
Vinyl chloride	<500	<500	<250	<100	<1	<10	<10	<10
trans-1,3-Dichloropropene	<500	<500	<250	<100	<1	<10	<10	<10
Sub Total 1	2,082	3,497	4,901	2,566	266	122	479	33
Miscellaneous Volatile Organic Compounds								
Acetone	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA
Methylisobutyl ketone (MIBK)	NA	NA	NA	400	NA	<10	NA	NA
Methyl isoamyl ketone	NA	NA	NA	<100	NA	<10	NA	NA
m-Xylene	NA	NA	NA	<100	NA	<10	NA	NA
o-Xylene/p-Xylene	NA	NA	NA	<100	NA	<10	NA	NA
Sub Total 2	0	0	0	400	0	0	0	0
Total VOCs Analyzed	2,082	3,497	4,901	2,966	266	122	479	33

See last page for footnotes.

Table A-1 Volatile Organic Compounds in Ground Water, Sauget Site R, Monsanto Company, Sauget, Illinois

Well Number:	P-6	P-6	P-6	P-6	P-6	P-6	P-7	P-7
Sample Date:	11/87	5/88	11/88	11/89	11/90	11/91	6/84	11/85
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	<100	<100	<1,000	<5000	<500	<100	<1	<25,000
Acrylonitrile	<100	<100	<1,000	<5000	<500	<100	<1	<25,000
Benzene	<4.4	<4.4	419	434	230	117	2,080	1,810
bis(Chloromethyl) ether	<10	<10	<100	<500	<50	<10	<1	<2,500
Bromoform	<4.7	<4.7	<47	<240	<24	<4.7	<1	<1,200
Carbon tetrachloride	<2.8	<2.8	<28	<140	<14	<2.8	<1	<700
Chlorobenzene	7.48	<6.0	837	1,000	998	292	4,040	5,110
Chlorodibromomethane	<3.1	<3.1	<31	<160	<16	<3.1	<1	<780
Chloroethane	<10	<10	<100	<500	<50	<10	<1	<2,500
2-Chloroethylvinyl ether	<10	<10	<100	<500	<50	<10	<1	<2,500
Chloroform	<1.6	<1.6	28.8	<80	<8.0	<1.6	7	<400
Dichlorobromomethane	<2.2	<2.2	<22	<110	<11	<2.2	<1	<550
Dichlorodifluoromethane	<10	<10	<100	<500	<50	<10	<1	<2,500
1,1-Dichloroethane	<4.7	<4.7	154	<240	<24	<4.7	<1	<1,200
1,2-Dichloroethane	<2.8	<2.8	<28	<140	<14	<2.8	<1	700
1,1-Dichloroethene	<2.8	<2.8	<28	<140	<14	<2.8	<1	<700
1,2-Dichloropropane	<6.0	<6.0	<60	<300	<30	<6.0	<1	<1,500
cis-1,3-Dichloropropene	<5.0	<5.0	<50	<250	<25	<5.0	<1	<1,300
Ethylbenzene	<7.2	<7.2	<72	<360	<36	<7.2	12	<1,800
Methyl bromide	<10	<10	<100	<500	<50	<10	<1	<2,500
Methyl chloride	<10	<10	<100	<500	<50	<10	<1	<2,500
Methylene chloride	3.87	<2.8	581.0	170	<14	<2.8	68	<700
1,1,2,2-Tetrachloroethane	<6.9	<6.9	<69	<350	<35	<6.9	<1	<1,700
Tetrachloroethene	<4.1	<4.1	<41	<210	<21	<4.1	<1	<1,000
Toluene	<6.0	<6.0	189	<300	<30	<6.0	322	<1,500
trans-1,2-Dichloroethene	<1.6	<1.6	585	<80	<8.0	<1.6	<1	<400
1,1,1-Trichloroethane	<3.8	<3.8	104	<190	<19	<3.8	<1	<950
1,1,2-Trichloroethane	<5.0	<5.0	<50	<250	<25	<5.0	<1	<1,300
Trichloroethene	<1.9	<1.9	207	<95	<9.5	<1.9	<1	<480
Trichlorofluoromethane	<10	<10	<100	<500	<50	<10	<1	<2,500
Vinyl chloride	<10	<10	1,580	<500	<50	<10	<1	<2,500
trans-1,3-Dichloropropene	<10	<10	<100	<500	<50	<10	<1	<2,500
Sub Total 1	11	0	4,685	1,604	1,228	409	6,529	7,620
Miscellaneous Volatile Organic Compounds								
Acetone	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA
Methylisobutyl ketone (MIBK)	<10	NA	NA	NA	NA	NA	NA	<2,500
Methyl isoamyl ketone	<10	NA	NA	NA	NA	NA	NA	<2,500
m-Xylene	<10	NA	NA	NA	NA	NA	NA	<2,500
o-Xylene/p-Xylene	<10	NA	NA	NA	NA	NA	NA	<2,500
Sub Total 2	0	0	0	0	0	0	0	0
Total VOCs Analyzed	11	0	4,685	1,604	1,228	409	6,529	7,620

See last page for footnotes.

0440

Well Number:	P-7	P-7	P-7	P-7	P-7	P-7	P-7	P-7
Sample Date:	12/86	3/87	5/87	11/87	5/88	11/88	3/89	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	<10,000	<10,000	<50,000	<1,000	<2,000	<10,000	<10000	<5000
Acrylonitrile	<10,000	<10,000	<50,000	<1,000	<2,000	<10,000	<10000	<5000
Benzene	523	1,420	11,300	1,830	861	5,650	2,690	1,570
bis(Chloromethyl) ether	<1,000	<1,000	<5,000	<100	<200	<1,000	<1000	<500
Bromoform	<470	<470	<2,400	62.3	<94	<470	<470	<240
Carbon tetrachloride	<280	<280	<1,400	<28	<56	<280	<280	<140
Chlorobenzene	1,470	4,310	25,200	3,290	1,560	9,000	7,660	5,090
Chlorodibromomethane	<310	<310	<1,600	<31	<62	<310	<310	<160
Chloroethane	<1,000	<1,000	<5,000	<100	<200	<1,000	<1000	<500
2-Chloroethylvinyl ether	<1,000	<1,000	<5,000	<100	<200	<1,000	<1000	<500
Chloroform	<160	<160	<800	<16	<32	462	<160	<80
Dichlorobromomethane	<220	<220	<1,100	<22	<44	<220	<220	<110
Dichlorodifluoromethane	<1,000	<1,000	<5,000	<100	<200	<1,000	<1000	<500
1,1-Dichloroethane	<470	<470	<2,400	<47	<94	2,880	<470	<240
1,2-Dichloroethane	<280	<280	<1,400	<28	<56	<280	<280	<140
1,1-Dichloroethene	<280	<280	<1,400	<28	<56	373	<280	<140
1,2-Dichloropropane	<600	<600	<3,000	<60	<120	<600	<600	<300
cis-1,3-Dichloropropene	<500	<500	<2,500	<50	<100	<500	<500	<250
Ethylbenzene	<720	<720	<3,600	<72	<140	<720	<1000	<360
Methyl bromide	<1,000	<1,000	<5,000	<100	<200	<1,000	<1000	<500
Methyl chloride	<1,000	<1,000	<5,000	<100	<200	<1,000	458	<500
Methylene chloride	1,230	<280	18,200	<28	<56	10,200	<690	560
1,1,2,2-Tetrachloroethane	<690	<690	<3,500	117	<140	<690	<410	<350
Tetrachloroethene	<410	<410	<2,100	<41	<82	<410	721	<210
Toluene	<600	<600	<3,000	251	<120	3,620	<160	368
trans-1,2-Dichloroethene	<160	<160	<800	<16	<32	11,300	<380	<80
1,1,1-Trichloroethane	<380	<380	<1,900	<38	<76	2,720	<500	<190
1,1,2-Trichloroethane	<500	<500	<2,500	<50	<100	<500	<190	<250
Trichloroethene	<190	<190	<950	<19	<38	4,610	<1000	<95
Trichlorofluoromethane	<1,000	<1,000	<5,000	<100	<200	<1,000	<1000	<500
Vinyl chloride	<1,000	<1,000	<5,000	<100	<200	24,500	<1000	<500
trans-1,3-Dichloropropene	<1,000	<1,000	<5,000	<100	<200	<1,000	<720	<500
Sub Total 1	3,223	5,730	54,700	5,550	2,421	75,315	11,529	7,588
Miscellaneous Volatile Organic Compounds								
Acetone	NA	3,120	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	<1,000	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	<1,000	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	<1,000	NA	NA	NA	NA	NA	NA
Styrene	NA	<1,000	NA	NA	NA	NA	NA	NA
Methylisobutyl ketone (MIBK)	NA	<1,000	NA	172	NA	NA	<1000	NA
Methyl isoamyl ketone	NA	NA	NA	<100	NA	NA	<1000	NA
m-Xylene	NA	<1,000	NA	<100	NA	NA	<1000	NA
o-Xylene/p-Xylene	NA	<1,000	NA	<100	NA	NA	<1000	NA
Sub Total 2	0	3,120	0	172	0	0	0	0
Total VOCs Analyzed	3,223	8,850	54,700	5,722	2,421	75,315	11,529	7,588

See last page for footnotes.

Well Number:	P-7	P-7	P-8	P-8	P-8	P-8	P-8	P-8
Sample Date:	11/90	11/91	6/84	11/85	12/86	5/87	11/87	5/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	<5,000	<2500	<1	<1,000	<1,000	<1,000	<1,000	<1,000
Acrylonitrile	<5,000	<2500	<1	<1,000	<1,000	<1,000	<1,000	<1,000
Benzene	1,790	1,460	162	531	194	424	1,390	1,720
bis(Chloromethyl) ether	<500	<250	<1	<100	<100	<100	<100	<100
Bromoform	<240	<120	<1	<47	<47	<47	<47	<47
Carbon tetrachloride	<140	<70	<1	<28	<28	<28	<28	<28
Chlorobenzene	4,860	4,250	585	2,490	909	2,180	4,910	3,180
Chlorodibromomethane	<160	<78	<1	<31	<31	<31	<31	<31
Chloroethane	<500	<250	<1	<100	<100	<100	<100	<100
2-Chloroethylvinyl ether	<500	<250	<1	<100	<100	<100	<100	<100
Chloroform	<80	<40	<1	<16	<16	<16	<16	<16
Dichlorobromomethane	<110	<55	<1	<22	<22	<22	<22	<22
Dichlorodifluoromethane	<500	<250	<1	<100	<100	<100	<100	<100
1,1-Dichloroethane	<240	<120	<1	<47	<47	<47	<47	<47
1,2-Dichloroethane	<140	<70	<1	<28	<28	<28	73.9	<28
1,1-Dichloroethene	<140	<70	<1	<28	<28	<28	<28	<28
1,2-Dichloropropane	<300	<150	<1	<60	<60	<60	<60	<60
cis-1,3-Dichloropropene	<250	<130	<1	<50	<50	<50	<50	<50
Ethylbenzene	<360	<180	13	74.6	<72	<72	79.1	<72
Methyl bromide	<500	<250	<1	<100	<100	<100	<100	<100
Methyl chloride	<500	<250	<1	<100	<100	<100	<100	<100
Methylene chloride	<140	<70	19	<28	<28	<28	217	558
1,1,2,2-Tetrachloroethane	<350	<170	<1	<69	<69	<69	<69	<69
Tetrachloroethene	<210	<100	<1	<41	<41	<41	<41	<41
Toluene	613	408	56	<60	<60	<60	590	538
trans-1,2-Dichloroethene	<80	<40	<1	<16	<16	<16	<16	<16
1,1,1-Trichloroethane	<190	<95	<1	<38	<38	<38	<38	<38
1,1,2-Trichloroethane	<250	<130	<1	<50	<50	<50	<50	<50
Trichloroethene	<95	<48	<1	<19	<19	<19	<19	24.3
Trichlorofluoromethane	<500	<250	<1	<100	<100	<100	<100	
Vinyl chloride	<500	<250	<1	<100	<100	<100	<100	
trans-1,3-Dichloropropene	<500	<250	<1	<100	<100	<100	<100	<100
Sub Total 1	7,263	6,118	835	3,096	1,103	2,604	7,260	6,020
Miscellaneous Volatile Organic Compounds								
Acetone	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA
Methylisobutyl ketone (MIBK)	NA	NA	NA	<100	NA	NA	2,860	NA
Methyl isoamyl ketone	NA	NA	NA	<100	NA	NA	<100	NA
m-Xylene	NA	NA	NA	<100	NA	NA	173	NA
o-Xylene/p-Xylene	NA	NA	NA	<100	NA	NA	144	NA
Sub Total 2	0	0	0	0	0	0	3,177	0
Total VOCs Analyzed	7,263	6,118	835	3,096	1,103	2,604	10,437	6,020

See last page for footnotes.

0442

Well Number:	P-8	P-8	P-8	P-8	P-8	P-10	P-10	P-11
Sample Date:	11/88	3/89	11/89	11/90	11/91	9/84**	11/87	9/84**
Laboratory:	ETC	ETC	ETC	ETC	ETC	EEI	ETC	EEI
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	<2,000	<10000	<5000	<5,000	<2500	NA	<1,000	NA
Acrylonitrile	<2,000	<10000	<5000	<5,000	<2500	NA	<1,000	NA
Benzene	1,980	1,680	3,340	1,990	2,380	132	1,080	113
bis(Chloromethyl) ether	<200	<1000	<500	<500	<250	<1.5	<100	<1.5
Bromoform	<94	<470	<240	<240	<120	<3.2	<47	<3.2
Carbon tetrachloride	<56	<280	<140	<140	<70	<1.5	<28	<1.5
Chlorobenzene	3,810	3,660	4,340	5,280	4,450	2,000	5,210	842
Chlorodibromomethane	<62	<310	<160	<160	<78	<2.0	<31	<2.0
Chloroethane	<200	<1000	<500	<500	<250	<2.4	<100	<2.4
2-Chloroethylvinyl ether	<200	<1000	<500	<500	<250	<5.9	<100	<5.9
Chloroform	121	<160	<80	<80	<40	<0.8	<16	<0.8
Dichlorobromomethane	<44	<220	<110	<110	<55	<1.1	<22	<1.1
Dichlorodifluoromethane	<200	<1000	<500	<500	<250	NA	<100	NA
1,1-Dichloroethane	<94	<470	<240	<240	<120	<0.8	<47	<0.8
1,2-Dichloroethane	303	<280	<140	409	2200	<1.5	49.6	<1.5
1,1-Dichloroethene	<56	<280	<140	<140	<70	2	<28	<1.9
1,2-Dichloropropane	<120	<600	<300	<300	<150	<1.5	<60	<1.5
cis-1,3-Dichloropropene	<100	<500	<250	<250	<130	<1.5	<50	<1.5
Ethylbenzene	<140	<1000	<360	<360	<180	<0.4	137	5
Methyl bromide	<200	<1000	<500	<500	<250	<1.5	<100	<1.5
Methyl chloride	<200	466	<500	<500	<250	<1.6	<100	<1.6
Methylene chloride	495	<690	1,080	516	279	41	653	21
1,1,2,2-Tetrachloroethane	<140	<410	<350	<350	<170	<1.4	<69	<1.4
Tetrachloroethene	<82	<600	<210	<210	<100	<1.5	<41	<1.5
Toluene	603	<160	512	1,300	637	24	103	10
trans-1,2-Dichloroethene	<32	<380	<80	<80	<40	<1.5	25.4	<1.5
1,1,1-Trichloroethane	<76	<500	<190	<190	<95	<1.2	<38	<1.2
1,1,2-Trichloroethane	<100	<190	<250	<250	<130	<1.6	<50	<1.6
Trichloroethene	<38	<1000	<95	<95	<48	<1.3	<19	<1.3
Trichlorofluoromethane	<200	<1000	<500	<500	<250	<1.2	<100	<1.2
Vinyl chloride	<200	<1000	<500	<500	<250	<1.2	<100	<1.2
trans-1,3-Dichloropropene	<200	<720	<500	<500	<250	<1.5	<100	<1.5
Sub Total 1	7,312	5,806	9,272	9,495	9,946	2,199	7,258	991
Miscellaneous Volatile Organic Compounds								
Acetone	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA
Methylisobutyl ketone (MIBK)	NA	1,920	NA	NA	NA	<5	<100	<5
Methyl isoamyl ketone	NA	<1000	NA	NA	NA	<5	<100	<5
m-Xylene	NA	<1000	NA	NA	NA	<5	<100	<5
o-Xylene/p-Xylene	NA	<1000	NA	NA	NA	<5	137	<5
Sub Total 2	0	1,920	0	0	0	0	137	0
Total VOCs Analyzed	7,312	7,726	9,272	9,495	9,946	2,199	7,395	991

See last page for footnotes.

Well Number:	P-11	P-11	P-12	P-12	P-13	P-13	P-13	P-[illegible]
Sample Date:	3/87	11/87	9/84**	11/87	6/84	6/84*	6/84#	[illegible]/85
Laboratory:	ETC	ETC	EEI	ETC	ETC	ETC	ETC	ETC
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	<100	<1,000	NA	<50,000	<1	<1	<50,000	<1,000
Acrylonitrile	<100	<1,000	NA	<50,000	<1	<1	<50,000	<1,000
Benzene	120	337	560	7,330	61	60	<5,000	89.4
bis(Chloromethyl) ether	<10	<100	<1.5	<5,000	<1	<1	<5,000	<100
Bromoform	<4.7	<47	<3.2	<2,400	<1	<1	<5,000	<47
Carbon tetrachloride	<2.8	<28	<1.5	<1,400	<1	<1	<5,000	<28
Chlorobenzene	483	1,660	690	37,400	81	75	<5,000	265
Chlorodibromomethane	<3.1	<31	<2.0	<1,600	<1	<1	<5,000	<31
Chloroethane	<10	<100	<2.4	<5,000	<1	<1	<5,000	<100
2-Chloroethylvinyl ether	<10	<100	<5.9	<5,000	<1	<1	<5,000	<100
Chloroform	<1.6	<16	<0.8	<800	<1	<1	<5,000	<16
Dichlorobromomethane	<2.2	<22	<1.1	<1,100	<1	<1	<5,000	<22
Dichlorodifluoromethane	<10	<100	NA	<5,000	<1	<1	<5,000	<100
1,1-Dichloroethane	<4.7	<47	<0.8	<2,400	<1	<1	<5,000	<47
1,2-Dichloroethane	<2.8	<28	<1.5	<1,400	<1	<1	<5,000	<28
1,1-Dichloroethene	<2.8	<28	<1.9	<1,400	<1	<1	<5,000	<28
1,2-Dichloropropane	<6.0	<60	<1.5	<3,000	<1	<1	<5,000	<60
cis-1,3-Dichloropropene	<5.0	<50	<1.5	<2,500	<1	<1	<5,000	<50
Ethylbenzene	<7.2	<72	32	<5,000	16	<1	<5,000	<72
Methyl bromide	<10	<100	<1.5	<5,000	<1	<1	<5,000	<100
Methyl chloride	<10	<100	<1.6	<5,000	<1	<1	138,000	<100
Methylene chloride	<2.8	2,260	42	<1,400	33	26	37,100	<28
1,1,2,2-Tetrachloroethane	<6.9	<69	<1.4	<3,500	<1	<1	<5,000	<69
Tetrachloroethene	<4.1	<41	<1.5	<2,100	<1	<1	<5,000	<41
Toluene	<6.0	<60	19	<3,000	5	4	19,200	<60
trans-1,2-Dichloroethene	<1.6	<16	<1.5	<800	<1	<1	<5,000	<16
1,1,1-Trichloroethane	<3.8	<38	<1.2	<1,900	<1	<1	<5,000	<38
1,1,2-Trichloroethane	<5.0	<50	<1.6	<2,500	<1	<1	<5,000	<50
Trichloroethene	<1.9	<19	<1.3	<950	<1	<1	<5,000	<1[illegible]
Trichlorofluoromethane	<10	<100	<1.2	<5,000	<1	<1	<5,000	<100
Vinyl chloride	<10	<100	<1.2	<5,000	<1	<1	<5,000	<100
trans-1,3-Dichloropropene	<10	<100	<1.5	<3,600	<1	<1	<5,000	<100
Sub Total 1	603	4,257	1,343	44,730	196	165	194,300	354
Miscellaneous Volatile Organic Compounds								
Acetone	22.9	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	<10	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	<10	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	<10	NA	NA	NA	NA	NA	NA	NA
Styrene	<10	NA	NA	NA	NA	NA	NA	NA
Methylisobutyl ketone (MIBK)	<10	<100	<5	<5,000	NA	NA	NA	<100
Methyl isoamyl ketone	NA	<100	<5	<5,000	NA	NA	NA	<100
m-Xylene	<10	<100	<5	<5,000	NA	NA	NA	<100
o-Xylene/p-Xylene	<10	<100	<5	<5,000	NA	NA	NA	<100
Sub Total 2	23	0	0	0	0	0	0	0
Total VOCs Analyzed	626	4,257	1,343	44,730	196	165	194,300	354

See last page for footnotes.

Well Number:	P-13	P-13	P-13	P-13	P-13	P-13	P-13	P-13
Sample Date:	12/86	5/87	11/87	5/88	11/88	11/89	11/90	11/91
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	<1,000	<100	<1,000	<1,000	<1,000	<5000	<5,000	<2500
Acrylonitrile	<1,000	<100	<1,000	<1,000	<1,000	<5000	<5,000	<2500
Benzene	45.8	89.7	365	684	1,040	3,410	2,200	2,970
bis(Chloromethyl) ether	<100	<10	<100	<100	<100	<500	<500	<250
Bromoform	<47	<4.7	<47	<47	<47	<240	<240	<120
Carbon tetrachloride	<28	<2.8	<28	<28	<28	<140	<140	<70
Chlorobenzene	225	305	881	1,050	1,500	5,530	4,560	6,400
Chlorodibromomethane	<31	<3.1	<31	<31	<31	<160	<160	<78
Chloroethane	<100	<10	<100	<100	<100	<500	<500	<250
2-Chloroethylvinyl ether	<100	<10	<100	<100	<100	<500	<500	<250
Chloroform	<16	<1.6	<16	<16	<16	<80	<80	<40
Dichlorobromomethane	<22	<2.2	<22	<22	<22	<110	<110	<55
Dichlorodifluoromethane	<100	<10	<100	<100	<100	<500	<500	<250
1,1-Dichloroethane	<47	<4.7	<47	<47	<47	<240	<240	<120
1,2-Dichloroethane	<28	<2.8	<28	<28	<28	<140	<140	<70
1,1-Dichloroethene	<28	<2.8	<28	<28	<28	<140	<140	<70
1,2-Dichloropropane	<60	<6	<60	<60	<60	<300	<300	<150
cis-1,3-Dichloropropene	<50	<5	<50	<50	<50	<250	<250	<130
Ethylbenzene	<72	<7.2	<72	<72	<72	<360	<360	<180
Methyl bromide	<100	<10	<100	<100	<100	<500	<500	<250
Methyl chloride	<100	<10	<100	<100	<100	<500	<500	<250
Methylene chloride	114	<2.8	<28	<28	136	398	<140	<70
1,1,2,2-Tetrachloroethane	<69	<6.9	<69	<69	<69	<350	<350	<170
Tetrachloroethene	<41	<4.1	<41	<41	<41	<210	<210	<100
Toluene	<60	<6	<60	<60	<60	928	<300	448
trans-1,2-Dichloroethene	<16	<1.6	<16	<16	<16	<80	<80	<40
1,1,1-Trichloroethane	<38	<3.8	<38	<38	<38	<190	<190	<95
1,1,2-Trichloroethane	<50	<5	<50	<50	<50	<250	<250	<130
Trichloroethene	<19	<1.9	<19	<19	<19	<95	<95	<48
Trichlorofluoromethane	<100	<10	<100	<100	<100	<500	<500	<250
Vinyl chloride	<100	<10	<100	<100	<100	<500	<500	<250
trans-1,3-Dichloropropene	<100	<10	<100	<100	<100	<500	<500	<250
Sub Total 1	385	395	1,246	1,734	2,676	10,266	6,760	9,818
Miscellaneous Volatile Organic Compounds								
Acetone	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA
Methylisobutyl ketone (MIBK)	NA	NA	<100	NA	NA	NA	NA	NA
Methyl isoamyl ketone	NA	NA	<100	NA	NA	NA	NA	NA
m-Xylene	NA	NA	<100	NA	NA	NA	NA	NA
o-Xylene/p-Xylene	NA	NA	<100	NA	NA	NA	NA	NA
Sub Total 2	0	0	0	0	0	0	0	0
Total VOCs Analyzed	385	395	1,246	1,734	2,676	10,266	6,760	9,818

See last page for footnotes.

Well Number:	P-14	P-14	P-14	P-14	P-14	P-14	P-14	P-14
Sample Date:	6/84	11/85	12/86	5/87	11/87	5/88	11/88	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Volatile Organic Compounds (concentrations are in ug/L)								
Acrolein	<1	<10,000	<100	<100,000	<100	<100,000	<50,000	<5000
Acrylonitrile	<1	<10,000	<100	<100,000	<100	<100,000	<50,000	<5000
Benzene	269	<440	<4.4	<4,400	<4.4	<4,400	<2,200	<220
bis(Chloromethyl) ether	<1	<1,000	<10	<10,000	<10	<10,000	<5,000	<500
Bromoform	<1	<470	<4.7	<4,700	<4.7	<4,700	<2,400	<240
Carbon tetrachloride	<1	<280	<2.8	<2,800	<2.8	<2,800	<1,400	<140
Chlorobenzene	23,480	16,000	<6	158,000	<6.0	37,200	12,100	17,500
Chlorodibromomethane	<1	<310	<3.1	<3,100	<3.1	<3,100	<1,600	<160
Chloroethane	<1	<1,000	<10	<10,000	<10	<10,000	<5,000	<500
2-Chloroethylvinyl ether	<1	<1,000	<10	<10,000	<10	<10,000	<5,000	<500
Chloroform	<1	<160	<1.6	<1,600	<1.6	<1,600	<800	<80
Dichlorobromomethane	<1	<220	<2.2	<2,200	<2.2	<2,200	<1,100	<110
Dichlorodifluoromethane	<1	<1,000	<10	<10,000	<10	<10,000	<5,000	<500
1,1-Dichloroethane	<1	<470	<4.7	<4,700	<4.7	<4,700	<2,400	<240
1,2-Dichloroethane	<1	<280	<2.8	<2,800	<2.8	<2,800	<1,400	<140
1,1-Dichloroethene	<1	<280	<2.8	<2,800	<2.8	<2,800	<1,400	<140
1,2-Dichloropropane	<1	<600	<6	<6,000	<6.0	<6,000	<3,000	<300
cis-1,3-Dichloropropene	<1	<500	<5	<5,000	<5.0	<5,000	<2,500	<250
Ethylbenzene	4	<720	<7.2	<7,200	<7.2	<7,200	<5,000	<360
Methyl bromide	<1	<1,000	<10	<10,000	<10	<10,000	<5,000	<500
Methyl chloride	<1	<1,000	<10	<10,000	<10	<10,000	<5,000	<500
Methylene chloride	53	<280	468	22,400	26.5	<2,800	<1,400	280
1,1,2,2-Tetrachloroethane	<1	<690	<6.9	<6,900	<6.9	<6,900	<3,500	<350
Tetrachloroethene	<1	<410	<4.1	<4,100	<4.1	<4,100	<2,100	<210
Toluene	6	<600	<6	<6,000	<6.0	<6,000	<3,000	<300
trans-1,2-Dichloroethene	<1	<160	<1.6	<1,600	<1.6	<1,600	<800	<80
1,1,1-Trichloroethane	<1	<380	<3.8	<3,800	<3.8	<3,800	<1,900	<190
1,1,2-Trichloroethane	<1	<500	<5	<5,000	<5.0	<5,000	<2,500	<250
Trichloroethene	<1	<190	<1.9	<1,900	<1.9	<1,900	<950	<95
Trichlorofluoromethane	<1	<1,000	<10	<10,000	<10	<10,000	<5,000	[illegible]
Vinyl chloride	<1	<1,000	<10	<10,000	<10	<10,000	<5,000	[illegible]
trans-1,3-Dichloropropene	<1	<1,000	<10	<10,000	<10	<10,000	<3,600	<500
Sub Total 1	23,812	16,000	468	180,400	27	37,200	12,100	17,780
Miscellaneous Volatile Organic Compounds								
Acetone	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA
Methylisobutyl ketone (MIBK)	NA	<1,000	NA	NA	<10	NA	NA	NA
Methyl isoamyl ketone	NA	<1,000	NA	NA	<10	NA	NA	NA
m-Xylene	NA	<1,000	NA	NA	<10	NA	NA	NA
o-Xylene/p-Xylene	NA	<1,000	NA	NA	<10	NA	NA	NA
Sub Total 2	0	0	0	0	0	0	0	0
Total VOCs Analyzed	23,812	16,000	468	180,400	27	37,200	12,100	17,780

See last page for footnotes.

0446

Well Number:	P-14	P-14
Sample Date:	11/90	11/91
Laboratory:	ETC	ETC
Volatile Organic Compounds (concentrations are in ug/L)		
Acrolein	<100,000	<50,000
Acrylonitrile	<100,000	<50,000
Benzene	<4,400	2,200
bis(Chloromethyl) ether	<10,000	<5,000
Bromoform	<4,700	<2,400
Carbon tetrachloride	<2,800	<1,400
Chlorobenzene	40,900	59,400
Chlorodibromomethane	<3,100	<1,600
Chloroethane	<10,000	<5,000
2-Chloroethylvinyl ether	<10,000	<5,000
Chloroform	<1,600	<800
Dichlorobromomethane	<2,200	<1,100
Dichlorodifluoromethane	<10,000	<5,000
1,1-Dichloroethane	<4,700	<2,400
1,2-Dichloroethane	<2,800	<1,400
1,1-Dichloroethene	<2,800	<1,400
1,2-Dichloropropane	<6,000	<3,000
cis-1,3-Dichloropropene	<5,000	<2,500
Ethylbenzene	<7,200	<3,600
Methyl bromide	<10,000	<5,000
Methyl chloride	<10,000	<5,000
Methylene chloride	<2,800	<1,400
1,1,2,2-Tetrachloroethane	<6,900	<3,500
Tetrachloroethene	<4,100	<2,100
Toluene	<6,000	<3,000
trans-1,2-Dichloroethene	<1,600	<800
1,1,1-Trichloroethane	<3,800	<1,900
1,1,2-Trichloroethane	<5,000	<2,500
Trichloroethene	<1,900	<950
Trichlorofluoromethane	<10,000	<5,000
Vinyl chloride	<10,000	<5,000
trans-1,3-Dichloropropene	<10,000	<5,000
Sub Total 1	40,900	61,600
Miscellaneous Volatile Organic Compounds		
Acetone	NA	NA
Methyl ethyl ketone	NA	NA
Carbon disulfide	NA	NA
2-Hexanone	NA	NA
Styrene	NA	NA
Methylisobutyl ketone (MIBK)	NA	NA
Methyl isoamyl ketone	NA	NA
m-Xylene	NA	NA
o-Xylene/p-Xylene	NA	NA
Sub Total 2	0	0
Total VOCs Analyzed	40,900	61,600

NA Not analyzed.
* Replicate analyses.
** Prior to analysis, this sample was held by Envirodyne Engineers, Inc. longer than the maximum allowable USEPA holding time.
ETC Environmental Testing and Certification, Edison, New Jersey.
EEI Envirodyne Engineers Inc., St. Louis, Missouri.
SL Savannah Laboratories and Environmental Testing, Savannah, Georgia.
SLES Savannah Laboratories and Environmental Services, Inc., Savannah Georgia (formerly Savannah Laboratories and Environmental Testing, Savannah, Georgia).
\+ Concentration includes both the cis and trans isomers.
\# Concentration includes ortho, para, and meta isomers.
J Estimated value.
b) Envirodyne Engineers, Inc. reported 4 ug/L, 18 ug/L and 10 ug/L for wells GM-25B, GM-27B and GM27C, respectively. Their results did not differentiate between the xylene compounds.
c) Envirodyne Engineers, Inc. reported 66 ug/L, greater than 119 ug/L and 1 ug/L for wells GM-28B, GM-28C and GM-30, respectively. Their results did not differentiate between the xylene compounds.

Table A-2. Acid Extractable Organic Compounds in Ground Water, Sauget Site R, Monsanto Company, Sauget, Illinois.

Well Number:	GM-27B	GM-27B	GM-27B	GM-27B	GM-27B	GM-27C	GM-27C	GM-27C	GM-
Sample Date:	9/84**	11/85	2/86	11/87	11/91	9/84**	11/85	2/86	12/86
Laboratory:	EEI	ETC	ETC	ETC	ETC	EEI	ETC	ETC	ETC
Acid Extractable Organic Compounds (concentrations are in ug/L)									
2-Chlorophenol	12	<3.3	<3.4	<3.8	<330	<6	9.8	6.9	NA
2,4-Dichlorophenol	115	3.3	<2.8	<3.1	<270	<8	<2.7	<2.8	NA
2,4-Dimethylphenol	<10	<2.7	<2.8	7.44	<270	<10	<2.7	<2.8	NA
4,6-Dinitro-o-cresol	<38	<24	<25	<27	<2400	<38	<24	<24	NA
2,4-Dinitrophenol	<52	<42	<43	<48	<4200	<52	<42	<43	NA
2-Nitrophenol	<11	<3.6	<3.7	<4.1	<360	<11	<3.6	<3.7	NA
4-Nitrophenol	<35	<2.4	<2.5	<2.7	<240	<35	<2.4	<2.4	NA
p-Chloro-m-cresol	<8	<3	<3.1	<3.4	<300	<8	<3	<3.1	NA
Pentachlorophenol	170	<3.6	<3.7	<4.1	<360	<34	<3.6	<3.7	NA
Phenol	6	<1.5	2.2	<1.7	1910	<4	158	<1.5	NA
2,4,6-Trichlorophenol	77	<2.7	<2.8	<3.1	<270	<12	<2.7	<2.8	NA
4-Chlorophenol	<10	<10	<10	<11	NA	<10	164	111	<11
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
Total Acid Compounds Analyzed	380	3.3	2.2	7.44	1910	0	331.8	117.9	0

See last page for footnotes.

0443

Well Number:	GM-27C	GM-27C	GM-27C	GM-27C	GM-27C	GM-27C	GM-27C	GM-27C	GM-28B
Sample Date:	5/87	11/87	5/88	11/88	11/89	11/89	11/90	11/91	3/84**
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	EEI
Acid Extractable Organic Compounds (concentrations are in ug/L)									
2-Chlorophenol	NA	6.34	4.7	<3.4	12.7	12.7	<3.3	<33	24
2,4-Dichlorophenol	NA	<3.1	<3.1	<2.8	<3.1	<3.1	<2.7	<27	<8
2,4-Dimethylphenol	NA	8.44	18.6	59.9	18.3	18.3	<2.7	<27	<10
4,6-Dinitro-o-cresol	NA	<27	<27	<24	<28	<28	<24	<240	<38
2,4-Dinitrophenol	NA	<48	<48	<43	<48	<48	<42	<420	<52
2-Nitrophenol	NA	<4.1	<4.1	<3.7	<4.1	<4.1	<3.6	<36	<11
4-Nitrophenol	NA	<2.7	<2.7	<2.4	<2.8	<2.8	<2.4	<24	<35
p-Chloro-m-cresol	NA	<3.4	<3.4	<3.1	<3.4	<3.4	<3.0	<30	<8
Pentachlorophenol	NA	<4.1	<4.1	<3.7	<4.1	<4.1	<3.6	<36	9
Phenol	NA	<1.7	2.7	113	<1.7	<1.7	<1.5	<15	<4
2,4,6-Trichlorophenol	NA	<3.1	<3.1	<2.8	<3.1	<3.1	<2.7	<27	8
4-Chlorophenol	<10	25.0	24.9	387	<11	<11	<10	<100	<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
Total Acid Compounds Analyzed	0	39.78	50.9	559.9	31	31	0	0	41

See last page for footnotes.

Table A-2. Acid Extractable Organic Compounds in Ground Water, Sauget Site R, Monsanto Company, Sauget, Illinois.

Well Number:	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B	GM-[illegible]
Sample Date:	11/85	2/86	12/86	5/87	11/87	5/88	3/89	11/89	11/90
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Acid Extractable Organic Compounds (concentrations are in ug/L)									
2-Chlorophenol	256	481	NA	NA	5,570	5,610	1140	5510	111
2,4-Dichlorophenol	13.3	767	NA	NA	18,600	34,700	5070	1930	2700
2,4-Dimethylphenol	134	224	NA	NA	1,220	2,040	311	531	24.8
4,6-Dinitro-o-cresol	<26	<25	NA	NA	<1200	<300	<250	<260	<24
2,4-Dinitrophenol	<45	<43	NA	NA	<2100	<520	<430	<460	<42
2-Nitrophenol	<3.9	<3.7	NA	NA	<180	<44	<37	<40	<3.6
4-Nitrophenol	<2.6	<2.5	NA	NA	<120	<30	<25	<26	<2.4
p-Chloro-m-cresol	<3.2	<3.1	NA	NA	<150	<37	<31	<33	<3.0
Pentachlorophenol	<3.9	33.1	NA	NA	<180	1,270	296	<40	43.7
Phenol	264	224	NA	NA	21,300	29,500	3390	7840	352
2,4,6-Trichlorophenol	<2.9	310	NA	NA	5,950	13,800	<28	501	457
4-Chlorophenol	2,490	3,440	684	<56	8,070	11,900	6,580	<110	<10
2-Methylphenol	NA	NA	NA	NA	NA	NA	<1,030	NA	NA
4-Methylphenol	NA	NA	NA	NA	NA	NA	840	NA	NA
Benzoic acid	NA	NA	NA	NA	NA	NA	<1,030	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Acid Compounds Analyzed	3157.3	5479.1	684	0	60710	98820	17627	16312	3688.5

See last page for footnotes.

Well Number:	GM-28B	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C
Sample Date:	11/91	9/84**	11/85	2/86	12/86	5/87	11/87	5/88	11/88
Laboratory:	ETC	EEI	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Acid Extractable Organic Compounds (concentrations are in ug/L)									
2-Chlorophenol	206	NA	107	237	NA	NA	868	1,120	<3.8
2,4-Dichlorophenol	804	NA	153	818	NA	NA	4,430	8,440	4,630
2,4-Dimethylphenol	<55	NA	150	186	NA	NA	253	192	42.7
4,6-Dinitro-o-cresol	<490	NA	<24	<24	NA	NA	<270	<34	<27
2,4-Dinitrophenol	<850	NA	<42	<42	NA	NA	<470	<59	<48
2-Nitrophenol	<73	NA	<3.6	<3.6	NA	NA	<40	<5.1	<4.1
4-Nitrophenol	<49	NA	<2.4	<2.4	NA	NA	<27	<3.4	<2.7
p-Chloro-m-cresol	<61	NA	<3	<3	NA	NA	<33	<4.2	<3.4
Pentachlorophenol	<73	NA	<3.6	26.4	NA	NA	113	116	57
Phenol	442	NA	16.6	67.9	NA	NA	1,260	2,910	<1.7
2,4,6-Trichlorophenol	225	NA	14.6	149	NA	NA	1,660	1,570	<3.1
4-Chlorophenol	1,380	NA	1,240	1,920	439	<64	2,250	2,610	691
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
Total Acid Compounds Analyzed	3057	0	1681.2	3404.3	439	0	10834	16958	5420.7

See last page for footnotes.

Well Number:	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-55C	GM-55C	GM-55C	GM-
Sample Date:	3/89	3/89 *	11/89	11/90	11/1/91	11/87	5/88	11/88	11/89
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Acid Extractable Organic Compounds (concentrations are in ug/L)									
2-Chlorophenol	<3400	<330	205	<3,300	149	10.9	31.0	<370	<400
2,4-Dichlorophenol	<2800	3,630	461	<2,700	497	<2.8	196	<300	417
2,4-Dimethylphenol	<2800	<270	39.0	<2,700	<55	<2.8	4.3	<300	<330
4,6-Dinitro-o-cresol	<24000	<2400	<28	<24,000	<490	<25	<28	<2,700	<2900
2,4-Dinitrophenol	<43000	<4200	<49	<42,000	<860	<44	<49	<4,700	<5100
2-Nitrophenol	<3700	<360	<4.2	<3,600	<73	<3.8	<4.2	<400	<430
4-Nitrophenol	<2400	<240	<2.8	<2,400	<49	<2.5	<2.8	<270	<290
p-Chloro-m-cresol	<3100	<300	<3.5	<3,000	<61	<3.1	<3.5	<340	<360
Pentachlorophenol	<3700	<360	<4.2	<3,600	<73	<3.8	<4.2	<400	<430
Phenol	<1500	263	119	<1,500	229	<1.6	24.6	<170	<180
2,4,6-Trichlorophenol	<2800	415	383	<2,700	78.4	<2.8	22.0	<300	<330
4-Chlorophenol	<10,000	<1,000	<12	<10,000	<200	<10	254	<1,100	<1,200
2-Methylphenol	<10,200	<10,000	NA	NA	NA	NA	NA	<1,120	NA
4-Methylphenol	<10,200	<10,000	NA	NA	NA	NA	NA	<1,120	NA
Benzoic acid	<10,200	<10,000	NA	NA	NA	NA	NA	<1,120	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Acid Compounds Analyzed	0	4308	1207	0	953.4	10.9	531.9	0	417

See last page for footnotes.

Well Number:	GM-55C	GM-55C	GM-56C	GM-56C	GM-56C	GM-56C	GM-56C	GM-56C	GM-56C
Sample Date:	11/90	11/91	11/87	5/88	11/88	11/88	11/89	11/90	11/91
Laboratory:	ETC	ETC	ETC	ETC	ETC	SL	ETC	ETC	ETC
Acid Extractable Organic Compounds (concentrations are in ug/L)									
2-Chlorophenol	<33	<340	2,020	4,680	239	240	584	<340	2,650
2,4-Dichlorophenol	<27	281	6,010	5,190	3,010	3,100	1,410	1,910	1,380
2,4-Dimethylphenol	58.5	<280	348	563	<160	<100	<3.1	<280	<27
4,6-Dinitro-o-cresol	<240	<2500	<1200	<29	<1,500	<500	<27	<2500	<240
2,4-Dinitrophenol	<420	<4300	<2100	<51	<2,600	<500	<48	<4300	<420
2-Nitrophenol	<36	<370	<180	<4.4	<220	<100	<4.1	<370	<36
4-Nitrophenol	<24	<250	<120	<2.9	<150	<500	<2.7	<250	<24
p-Chloro-m-cresol	<30	<310	<150	<3.7	<180	<100	<3.4	<310	<30
Pentachlorophenol	<36	<370	<180	18	<220	<100	<4.1	<370	<36
Phenol	<15	<150	2,340	5,100	1,880	210	<1.7	233	9,150
2,4,6-Trichlorophenol	62.5	<280	2,020	1,830	1,420	1,300	880	1,050	<27
4-Chlorophenol	<100	<1000	9,200	14,100	<610	<100	<11	<1000	9,440
2-Methylphenol	NA	NA	NA	NA	<610	NA	NA	NA	NA
4-Methylphenol	NA	NA	NA	NA	<610	NA	NA	NA	NA
Benzoic acid	NA	NA	NA	NA	<610	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Acid Compounds Analyzed	121	281	21938	31480.9	6549	4850	2874	3193	22620

See last page for footnotes.

Well Number:	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C
Sample Date:	11/87	11/87*	5/88	5/88*	11/88	11/88	3/89	11/89	11/89*
Laboratory:	ETC	ETC	ETC	ETC	ETC	SL	ETC	ETC	ETC
Acid Extractable Organic Compounds (concentrations are in ug/L)									
2-Chlorophenol	5,690	5,460	4,680	8,440	5,110	8,500	1,280	4,390	5,330
2,4-Dichlorophenol	4,530	4,560	5,990	9,470	6,310	7,800	4,260	8,750	9,710
2,4-Dimethylphenol	196	<160	180	209	<300	<100	<28	192	200
4,6-Dinitro-o-cresol	<1300	<1400	<240	<25	<2,700	<500	<250	<290	<250
2,4-Dinitrophenol	<2300	<2400	<420	<43	<4,700	<500	<444	<500	<440
2-Nitrophenol	<200	<210	<36	<3.7	<400	<100	<38	<43	<38
4-Nitrophenol	<130	<140	<24	<2.5	<270	<500	<25	<29	<25
p-Chloro-m-cresol	<160	<170	<30	<3.1	<330	<100	<32	<36	<32
Pentachlorophenol	<200	<210	<36	24	<400	<100	<38	<43	<38
Phenol	28,700	33,000	14,400	28,000	13,700	13,000	3,100	7,650	10,300
2,4,6-Trichlorophenol	992	922	1,250	1,580	1,120	1,300	523	1,490	1,260
4-Chlorophenol	11,300	11,700	7,530	12,300	13,700	18,000	4,310	5,360	3,630
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
Total Acid Compounds Analyzed	51408	55642	34030	60023.4	39940	48600	13473	27832	30430

See last page for footnotes.

Well Number:	GM-57C	GM-57C	GM-57C	GM-57C	GM-62A	GM-62A	GM-62B	GM-62B	GM-62B
Sample Date:	11/90	11/90*	11/91	11/91*	8/88	11/88	8/88	8/88*	11/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Acid Extractable Organic Compounds (concentrations are in ug/L)									
2-Chlorophenol	4,270	3,480	879	878	<3.5	<3.8	<3.5	<3.4	<3.4
2,4-Dichlorophenol	11,900	12,800	3,660	4,120	<2.8	<3.1	<2.9	<2.8	<2.8
2,4-Dimethylphenol	200	222	<140	<140	<2.8	<3.1	<2.9	<2.8	<2.8
4,6-Dinitro-o-cresol	<1,200	<250	<1200	<1200	<25	<27	<26	<24	<24
2,4-Dinitrophenol	<2,100	<430	<2100	<2100	<44	<48	<45	<43	<43
2-Nitrophenol	<180	<37	<180	<180	<3.8	<4.1	<3.8	<3.7	<3.7
4-Nitrophenol	<120	<25	<120	<120	<2.5	<2.7	<2.6	<2.4	<2.4
p-Chloro-m-cresol	<150	<31	<150	<150	<3.2	<3.4	<3.2	<3.1	<3.1
Pentachlorophenol	<180	80.8	<180	<180	<3.8	<4.1	<3.8	<3.7	<3.7
Phenol	4,490	4,460	961	963	<1.6	<1.7	<1.6	<1.5	<1.5
2,4,6-Trichlorophenol	3,030	2,680	1,040	1,220	<2.8	<3.1	<2.9	<2.8	<2.8
4-Chlorophenol	5,110	6,710	2,360	2,690	<11	<11	<11	<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
Total Acid Compounds Analyzed	29000	30432.8	8900	9871	0	0	0	0	0

See last page for footnotes.

 Recycled paper

Well Number:	GM-62B	GM-62C	GM-62C	B-24A	B-25A	B-25A	B-25A	B-25B	B-25B
Sample Date:	11/88	8/88	11/88	2/86	6/84	11/85	3/87	6/84	11/85
Laboratory:	SL	ETC	ETC	ETC	EEI	ETC	ETC	EEI	ETC
Acid Extractable Organic Compounds (concentrations are in ug/L)									
2-Chlorophenol	<10	<3.3	<3.6	202,000	14900	89,200	116,000	10,200	23,300
2,4-Dichlorophenol	<10	<2.7	<3.0	62,400	13300	1,520,000	182,000	34,800	52,100
2,4-Dimethylphenol	<10	<2.7	<3.0	<1,100	<200	<26	1,620	<200	48.6
4,6-Dinitro-o-cresol	<50	<24	<26	<10,000	<760	<240	<13,000	<760	<240
2,4-Dinitrophenol	<50	<42	<46	<18,000	<1,040	<410	<24,000	<1,040	<420
2-Nitrophenol	<10	<3.6	<4.0	<1,500	<220	<35	<2,000	<220	<36
4-Nitrophenol	<50	<2.4	<2.6	<1,000	<700	167	<1,300	497	2,320
p-Chloro-m-cresol	<10	<3.0	<3.3	<1,300	<160	<29	<1,700	<160	<30
Pentachlorophenol	<10	<3.6	<4.0	<1,500	<680	546	<2,000	<680	<36
Phenol	<10	<1.5	<1.6	280,000	34900	965,000	403,000	39,400	32,700
2,4,6-Trichlorophenol	<10	<2.7	<3.0	21,900	5160	13,900	25,900	<240	6,870
4-Chlorophenol	<10	<10	<11	37,200	NA	42,500	NA	NA	22,600
2-Methylphenol	NA	NA	NA	<4,170	NA	NA	<5,600	NA	NA
4-Methylphenol	NA	NA	NA	<4,170	NA	NA	47,000	NA	NA
Benzoic acid	NA	NA	NA	<4,170	NA	NA	50,800	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	<5,600	NA	NA
Total Acid Compounds Analyzed	0	0	0	603500	68260	2631313	826320	84897	139938.6

See last page for footnotes.

Well Number:	B-26A	B-27B	B-27B	B-28A	B-28A	B-29A	B-29A	B-29B	B-29B
Sample Date:	3/87	9/84**	9/84*	2/86	3/87	6/84	11/85	6/84	6/84*
Laboratory:	ETC	EEI	EEI	ETC	ETC	EEI	ETC	EEI	EEI
Acid Extractable Organic Compounds (concentrations are in ug/L)									
2-Chlorophenol	10.3	NA	NA	<3.5	10.5	176,000	718,000	103,000	116,000
2,4-Dichlorophenol	<2.7	NA	NA	<2.9	<2.7	12,900	44,700	33,800	97,400
2,4-Dimethylphenol	<2.7	NA	NA	<2.9	<2.7	7,740	44,500	38,300	13,500
4,6-Dinitro-o-cresol	<24	NA	NA	<26	<24	<760	<2,400	<7,600	<760
2,4-Dinitrophenol	<42	NA	NA	<45	<42	<1,040	<4,200	<10,400	<1,040
2-Nitrophenol	<3.6	NA	NA	<3.8	<3.6	<220	<360	<2,200	<220
4-Nitrophenol	<2.4	NA	NA	<2.6	<2.4	<700	<240	7,590	<700
p-Chloro-m-cresol	<3	NA	NA	<3.2	<3	<160	<300	<1,600	<160
Pentachlorophenol	<3.6	NA	NA	<3.8	<3.6	9,280	10,600	1,700	<680
Phenol	5.4	NA	NA	<1.6	<1.5	657,000	771,000	609,000	1,070,000
2,4,6-Trichlorophenol	<2.7	NA	NA	<2.9	<2.7	11,300	15,300	31,200	16,000
4-Chlorophenol	NA	NA	NA	<11	NA	NA	299,000	NA	NA
2-Methylphenol	<10	NA	NA	NA	<10	NA	NA	NA	NA
4-Methylphenol	<10	NA	NA	NA	<10	NA	NA	NA	NA
Benzoic acid	<10	NA	NA	NA	<10	NA	NA	NA	NA
2,4,5-Trichlorophenol	<10	NA	NA	NA	<10	NA	NA	NA	NA
Total Acid Compounds Analyzed	15.7	0	0	0	10.5	874220	1903100	824590	1312900

See last page for footnotes.

Well Number:	B-29B	B-29B	B-29B	B-30B	B-101	GM-106	GM-106	GM-106	GM-[illegible]
Sample Date:	6/84#	11/84	11/85	9/84**	9/84**	11/85	2/86	2/86*	12/86
Laboratory:	ETC	EEI	ETC	EEI	EEI	ETC	ETC	ETC	ETC
Acid Extractable Organic Compounds (concentrations are in ug/L)									
2-Chlorophenol	27,400	953	70,900	NA	5,630	15.7	52.1	40.9	26.5
2,4-Dichlorophenol	68,100	<250	37,500	NA	31,200	22	133	128	38.5
2,4-Dimethylphenol	18,700	<250	21,200	NA	<10	<2.7	4.8	4.5	<2.9
4,6-Dinitro-o-cresol	<25,000	<2500	<480	NA	<38	<24	<25	<24	<26
2,4-Dinitrophenol	<25,000	<2500	<840	NA	<52	<42	<43	<43	<45
2-Nitrophenol	<2,500	<250	<72	NA	<11	<3.6	<3.7	<3.7	<3.8
4-Nitrophenol	3,690	<250	1,860	NA	<35	<2.4	<2.5	3	<2.6
p-Chloro-m-cresol	<2,500	<250	<60	NA	<8	<3	<3.1	<3.1	<3.2
Pentachlorophenol	3,690	<250	3,090	NA	1,360	<3.6	<3.7	<3.7	<3.8
Phenol	19,800	5,010	133,000	NA	<4	35.9	65.2	53.5	12.9
2,4,6-Trichlorophenol	16,000	<250	11,800	NA	14,600	52.9	207	181	52.1
4-Chlorophenol	NA	<250	49,900	NA	<10	<10	37.1	36.3	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
Total Acid Compounds Analyzed	157380	5963	329250	0	52790	126.5	499.2	447.2	130

See last page for footnotes.

Well Number:	GM-106	GM-106	GM-106	GM-106	GM-106	GM-106	GM-106	P-1	P-1
Sample Date:	5/87	11/87	5/88	11/88	11/89	11/90	11/91	9/84**	3/87
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	EEI	ETC
Acid Extractable Organic Compounds (concentrations are in ug/L)									
2-Chlorophenol	58.7	174	261	266	<380	242	307	<6	5.6
2,4-Dichlorophenol	58.7	552	1,260	884	1,290	542	1,440	2	<3.0
2,4-Dimethylphenol	4.4	14.9	19.1	<27	<310	21.3	<54	<10	<3.0
4,6-Dinitro-o-cresol	<24	<24	<25	<240	<2800	<24	<480	<38	<27
2,4-Dinitrophenol	<42	<42	<43	<420	<4800	<42	<840	<52	<47
2-Nitrophenol	<3.6	<3.6	<3.7	<36	<410	<3.6	<72	<11	<4.0
4-Nitrophenol	<2.4	<2.4	<2.5	<24	<280	<2.4	<48	<35	<2.7
p-Chloro-m-cresol	<3	<3.0	<3.1	<30	<340	<3.0	<60	<8	<3.3
Pentachlorophenol	<3.6	10.9	9.6	<36	<410	17.9	<72	1	<4.0
Phenol	1.8	71.3	184	104	224	117	331	<4	<1.7
2,4,6-Trichlorophenol	82.2	667	1,070	1,100	1,000	976	1,420	1	<3.0
4-Chlorophenol	NA	183	NA	NA	<1100	NA	NA	<10	NA
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	<11
4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	<11
Benzoic acid	NA	NA	NA	NA	NA	NA	NA	NA	<11
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	<11
Total Acid Compounds Analyzed	205.8	1673.1	2803.7	2354	2514	1916.2	3498	4	5.6

See last page for footnotes.

Well Number:	P-1	P-2	P-2	P-2	P-3	P-6	P-6	P-6	
Sample Date:	11/87	6/84	11/85	11/87	11/87	6/84	11/85	11/87	11/91
Laboratory:	EEI	EEI	ETC	ETC	ETC	EEI	ETC	ETC	ETC
Acid Extractable Organic Compounds (concentrations are in ug/L)									
2-Chlorophenol	11.3	16	8.5	8.82	<3.3	<1	<3.7	<3.3	<3.3
2,4-Dichlorophenol	<2.7	40	<2.7	<2.8	<2.7	<1	<3.1	<2.7	<2.7
2,4-Dimethylphenol	<2.7	<1	<2.7	<2.8	<2.7	<1	<3.1	<2.7	<2.7
4,6-Dinitro-o-cresol	<24	<1	<24	<25	<24	<1	<27	<24	<24
2,4-Dinitrophenol	<42	<1	<42	<43	<42	<1	<47	<42	<42
2-Nitrophenol	<3.6	<1	<3.6	<3.7	<3.6	<1	<4.1	<3.6	<3.6
4-Nitrophenol	<2.4	<1	<2.4	<2.5	<2.4	<1	<2.7	<2.4	<2.4
p-Chloro-m-cresol	<3.0	<1	<3	<3.1	<3.0	<1	<3.4	<3.0	<3.0
Pentachlorophenol	<3.6	1	<3.6	<3.7	<3.6	<1	<4.1	<3.6	<3.6
Phenol	<1.5	291	<1.5	70.4	22.8	6	<1.7	<1.5	<1.5
2,4,6-Trichlorophenol	<2.7	7	<2.7	<2.8	<2.7	<1	<3.1	<2.7	<2.7
4-Chlorophenol	12.7	NA	<10	<10	<10	NA	<11	<10	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
Total Acid Compounds Analyzed	24	355	8.5	79.22	22.8	6	0	0	0

See last page for footnotes.

Well Number:	P-7	P-7	P-7	P-7	P-7	P-7	P-7	P-7	P-7
Sample Date:	6/84	11/85	12/86	5/87	3/87	11/87	5/88	11/88	3/89
Laboratory:	EEI	ETC	ETC	EEI	ETC	ETC	ETC	ETC	ETC
Acid Extractable Organic Compounds (concentrations are in ug/L)									
2-Chlorophenol	10,200	2,660	776	866	1,660	331	1,590	982	580
2,4-Dichlorophenol	8,180	7,790	2,540	2,120	<30	748	7,960	5,490	1,910
2,4-Dimethylphenol	1,930	<5.5	<2.7	<2.7	<30	<2.8	<3.1	<28	<28
4,6-Dinitro-o-cresol	<760	<48	<24	<24	<260	<24	<27	<250	<250
2,4-Dinitrophenol	<1,040	<85	<42	<42	<460	<43	<48	<430	<430
2-Nitrophenol	<220	<7.3	<3.6	<3.6	<40	<3.7	<4.1	<37	<37
4-Nitrophenol	<700	133	68.6	<2.4	130	18.2	79.5	<25	<25
p-Chloro-m-cresol	<160	<6.1	<3.0	<3.0	<33	<3.1	<3.4	<31	<31
Pentachlorophenol	<680	<7.3	<3.6	<3.6	<40	<3.7	<4.1	<37	<37
Phenol	123,000	22,300	9,410	8,930	11,400	3,090	19,000	7,410	6,750
2,4,6-Trichlorophenol	1,920	3,430	599	602	2170	336	2820	3,180	509
4-Chlorophenol	NA	13,100	2,600	4,820	NA	4,650	5,660	2,130	2,650
2-Methylphenol	NA	NA	NA	NA	<110	NA	NA	NA	<1,030
4-Methylphenol	NA	NA	NA	NA	<110	NA	NA	NA	<1,030
Benzoic acid	NA	NA	NA	NA	1,720	NA	NA	NA	<1,030
2,4,5-Trichlorophenol	NA	NA	NA	NA	<110	NA	NA	NA	NA
Total Acid Compounds Analyzed	145230	49413	15993.6	17338	17080	9173.2	37109.5	19192	12399

See last page for footnotes.

Well Number:	P-7	P-7	P-7	P-8	P-8	P-8	P-8	P-8	[illegible]
Sample Date:	11/89	11/90	11/91	3/89	6/84	11/85	12/86	5/87	11/87
Laboratory:	ETC	ETC	ETC	ETC	EEI	ETC	ETC	ETC	ETC
Acid Extractable Organic Compounds (concentrations are in ug/L)									
2-Chlorophenol	2,550	1,080	402	6,450	1	27.2	NA	NA	1,330
2,4-Dichlorophenol	7,090	4,530	2,000	3,680	<1	<2.7	NA	NA	413
2,4-Dimethylphenol	<32	<54	<2.8	<1400	1	32.1	NA	NA	<54
4,6-Dinitro-o-cresol	<280	<480	<25	<12000	<1	<24	NA	NA	<480
2,4-Dinitrophenol	<490	<840	<43	<21000	<1	<42	NA	NA	<840
2-Nitrophenol	<42	<72	<3.7	<1800	<1	<3.6	NA	NA	<72
4-Nitrophenol	<28	<48	57.5	<1200	<1	<2.4	NA	NA	<48
p-Chloro-m-cresol	<35	<60	<3.1	<1500	<1	<3	NA	NA	<60
Pentachlorophenol	<42	<72	<3.7	<1800	<1	<3.6	NA	NA	<72
Phenol	21,500	5,930	4,550	8,490	9	<1.5	NA	NA	10,400
2,4,6-Trichlorophenol	3,810	1,720	741	<1400	<1	<2.7	NA	NA	112
4-Chlorophenol	<120	<200	<10	<5100	NA	182	<11	<11	3,820
2-Methylphenol	NA	NA	NA	<5100	NA	NA	NA	NA	NA
4-Methylphenol	NA	NA	NA	<5100	NA	NA	NA	NA	NA
Benzoic acid	NA	NA	NA	<5100	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Acid Compounds Analyzed	34950	13260	7750.5	18620	11	241.3	0	0	16075

See last page for footnotes.

Well Number:	P-8	P-8	P-8	P-8	P-8	P-10	P-10	P-11	P-11
Sample Date:	5/88	11/88	11/89	11/90	11/91	9/84**	11/87	9/84**	3/87
Laboratory:	ETC	ETC	ETC	ETC	ETC	EEI	ETC	EEI	ETC
Acid Extractable Organic Compounds (concentrations are in ug/L)									
2-Chlorophenol	5,290	8,100	10,700	3,590	5,050	<6	22.4	<6	<3.6
2,4-Dichlorophenol	3,880	4,450	9,780	4,140	5,230	<8	<2.7	<8	<3.0
2,4-Dimethylphenol	410	318	<1500	185	111	<10	9.64	<10	<3.0
4,6-Dinitro-o-cresol	<2,600	<2,400	<14000	<240	<480	<38	<24	<38	<26
2,4-Dinitrophenol	<4,500	<4,300	<24000	<430	<850	<52	<42	<52	<46
2-Nitrophenol	<380	<370	<2000	<37	<73	<11	<3.6	<11	<4.0
4-Nitrophenol	<260	<240	<1400	<24	<48	<35	<2.4	<35	<2.6
p-Chloro-m-cresol	<320	<310	<1700	<31	<61	<8	<3.0	<8	<3.3
Pentachlorophenol	<380	<370	<2000	<37	<73	<34	<3.6	<34	<4.0
Phenol	38,700	6,080	29,200	10,800	9,320	<4	69.3	<4	5.1
2,4,6-Trichlorophenol	446	370	<1500	452	414	<12	<2.7	<12	<3
4-Chlorophenol	13,400	9,600	19400	6,200	28,600	<10	2,330	<10	NA
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	<11
4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	<11
Benzoic acid	NA	NA	NA	NA	NA	NA	NA	NA	<11
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	<11
Total Acid Compounds Analyzed	62126	28918	69080	25367	48725	0	2431.34	0	5.1

See last page for footnotes.

Well Number:	P-11	P-12	P-12	P-13	P-13	P-13	P-13	P-13	P-
Sample Date:	11/87	9/84**	11/87	6/84	6/84*	6/84#	11/85	11/87	6/84
Laboratory:	ETC	EEI	ETC	EEI	EEI	ETC	ETC	ETC	EEI
Acid Extractable Organic Compounds (concentrations are in ug/L)									
2-Chlorophenol	<3.4	<6	45.7	<1	<1	<25	<3.3	3.80	<1
2,4-Dichlorophenol	<2.8	<8	<2.7	<1	<1	<25	<2.7	<2.7	<1
2,4-Dimethylphenol	<2.8	<10	32.7	<1	<1	<25	<2.7	<2.7	<1
4,6-Dinitro-o-cresol	<25	<38	<24	<1	<1	<250	<24	<24	<1
2,4-Dinitrophenol	<43	<52	<42	<1	<1	<250	<42	<42	<1
2-Nitrophenol	<3.7	<11	<3.6	<1	<1	<25	<3.6	<3.6	<1
4-Nitrophenol	<2.5	<35	<2.4	<1	<1	<25	<2.4	<2.4	<1
p-Chloro-m-cresol	<3.1	<8	<3.0	<1	<1	<25	<3	<3.0	<1
Pentachlorophenol	<3.7	<34	<3.6	<1	<1	<25	<3.6	<3.6	<1
Phenol	<1.5	<4	2,680	<1	4	<25	4.3	<1.5	1
2,4,6-Trichlorophenol	<2.8	<12	<2.7	<1	<1	<25	<2.7	<2.7	<1
4-Chlorophenol	<10	<10	3,380	NA	NA	NA	<10	<10	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
Total Acid Compounds Analyzed	0	0	6138.4	0	4	0	4.3	3.8	1

See last page for footnotes.

0464

Well Number:	P-14	P-14
Sample Date:	11/85	11/87
Laboratory:	ETC	ETC
Acid Extractable Organic Compounds (concentrations are in ug/L)		
2-Chlorophenol	74.5	26.6
2,4-Dichlorophenol	<2.8	<3.0
2,4-Dimethylphenol	<2.8	<3.0
4,6-Dinitro-o-cresol	<25	<26
2,4-Dinitrophenol	<43	<46
2-Nitrophenol	<3.7	<4.0
4-Nitrophenol	<2.5	<2.6
p-Chloro-m-cresol	<3.1	<3.3
Pentachlorophenol	<3.7	<4.0
Phenol	<1.5	<1.6
2,4,6-Trichlorophenol	<2.8	<3.0
4-Chlorophenol	29.4	12.9
2-Methylphenol	NA	NA
4-Methylphenol	NA	NA
Benzoic acid	NA	NA
2,4,5-Trichlorophenol	NA	NA
Total Acid Compounds Analyzed	103.9	39.5

NA Not analyzed.
* Replicate sample.
**
EEI Envirodyne Engineers Inc., St. Louis, Missouri.
ETC Environmental Testing and Certification, Edison, New Jersey.
SLES Savannah Laboratories and Environmental Services, Inc., Savannah Georgia (formerly Savannah Laboratories and Environmental Testing, Savannah, Georgia).
SL Savannah Laboratories and Environmental Testing, Savannah, Georgia.
J Estimated value.
D Concentration determined at a secondary dilution factor.

Table A-3. Base/Neutral Compounds in Ground Water, Sauget Site R, Monsanto Company, Sauget Illinois.

Well Number:	GM-27B	GM-27B	GM-27B	GM-27B	GM-27B	GM-27B	GM-27B	27
Sample Date:	9/84**	11/85	2/86	11/87	11/89	11/90	11/91	9/84
Laboratory:	EEI	ETC	ETC	ETC	ETC	ETC	ETC	E:
Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
Acenaphthene	<4	<1.9	<2.0	<2.2	<210	<100	<190	<
Acenapthylene	<3	<3.5	<3.6	<4.0	<390	<190	<350	<
Anthracene	<4	<1.9	<2.0	<2.2	<210	<100	<190	<
Benzidine	<60	<44	<45	<50	<4900	<2,300	<4400	<6
Benzo(a)anthracene	<9	<7.8	<8	<8.9	<870	<410	<780	<
Benzo(a)pyrene	<12	<2.5	<2.6	<2.8	<280	<130	<250	<1
Benzo(b)fluoroanthene	<11	<4.8	<4.9	<11	<530	<260	<480	<1
Benzo(ghi)perylene	<14	<4.1	<4.2	<4.7	<460	<220	<410	<1
Benzo(k)fluoranthene	<11	<3.5	<3.6	<4.0	<280	<130	<250	<1
bis(2-Chloroethoxy)methane	<4	<5.3	<5.5	<6.0	<590	<280	<530	<
bis(2-Chloroethyl)ether	<4	<5.7	<5.9	<6.5	<630	<300	<570	<
bis(2-Chloroisopropyl)ether	<3	<5.7	<5.9	<6.5	<630	<300	<570	<
bis(2-Ethylhexyl)phthalate	9	<10	11.7	<11	<1100	<530	<1000	
4-Bromophenyl phenyl ether	<16	<1.9	<2	<2.2	<210	<100	<190	<1
Butyl benzyl phthalate	<13	<10	<10	<11	<1100	<530	<1000	<1
2-Chloronaphthalene	<4	<1.9	<2	<2.2	<210	<100	<190	<
4-Chlorophenyl phenyl ether	<9	<4.2	<4.3	<4.8	<470	<220	<420	<
Chrysene	<9	<2.5	<2.6	3.77	<280	<130	<250	<
Dibenzo(a,h)anthracene	<16	<10	<10	<11	<1100	<130	<250	<1
1,2-Dichlorobenzene	3	2.6	<2	<2.2	<210	<100	<190	
1,3-Dichlorobenzene	<6	<1.9	<2	<2.2	<210	<100	<190	<1
1,4-Dichlorobenzene	11	13.3	27.6	397	617	812	888	
3,3-Dichlorobenzidine	<161	<17	<17	<19.3	<1800	<878	<1650	<16
Diethylphthalate	<4	<10	<10	<11	<1100	<530	<1000	<.
Dimethylphthalate	<4	<10	<10	<11	<1100	<530	<1000	<.
Di-n-butylphthalate	6	<10	<10	<11	<1100	<530	<1000	
2,4-Dinitrotoluene	<14	<5.7	<5.9	<6.5	<630	<300	<570	.1.
2,6-Dinitrotoluene	<16	<1.9	<2.0	<2.2	<210	<100	<190	<1
Di-n-octylphthalate	<6	<10	<10	<11	<1100	<530	<1000	<1
1,2-Diphenylhydrazine	<10	<10	<10	<11	<1100	<530	<1000	<1
Fluoranthene	<5	<2.2	<2.3	6.58	<240	<120	<220	<1
Fluorene	<4	<1.9	<2.0	<2.2	<210	<100	<190	<.
Hexachlorobenzene	<15	<1.9	<2.0	<2.2	<210	<100	<190	<1
Hexachlorobutadiene	<13	<0.9	<0.9	<1.0	<100	<48	<90	<1
Hexachlorocyclopentadiene	<12	<10	<10	<11	<1100	<530	<1000	<1
Hexachloroethane	<10	<1.6	<1.6	<1.8	<180	<85	<160	<1
Indeno(1,2,3-c,d)pyrene	<7	<4.7	<4.8	<5.3	<520	<200	<370	<7
Isophorone	<2	<2.2	<2.3	<2.5	<240	<120	<220	<2
Naphthalene	<2	<1.6	<1.6	23.9	<180	<85	<160	<2
Nitrobenzene	<5	<1.9	<2.0	<2.2	<210	<100	<190	<5
N-Nitrosodimethylamine	<10	<10	<10	<11	<1100	<530	<1000	<1
N-Nitrosodi-n-propylamine	<6	<10	<10	<11	<1100	<530	<1000	<6
N-Nitrosodiphenylamine	<82	<1.9	<2.0	2.84	<210	<100	<190	<82
Phenanthrene	<4	<5.4	<5.6	<6.1	<600	<290	<540	<4
Pyrene	<5	<1.9	<2.0	5.59	<210	<100	<190	<5
1,2,4-Trichlorobenzene	<7	<1.9	<2.0	<2.2	<210	<100	<190	<7
Sub Total 1	29	15.9	39.3	439.7	617	812	888	17

See last page for footnotes.

Well Number:	GM-27B	GM-27B	GM-27B	GM-27B	GM-27B	GM-27B	GM-27B	GM-27
Sample Date:	9/84**	11/85	2/86	11/87	11/89	11/90	11/91	9/84
Laboratory:	EEI	ETC	ETC	ETC	ETC	ETC	ETC	E
Miscellaneous Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
2,4-and 3,4-Dinitrochlorobenzene	<10	<10	<10	<11	<1100	<530	<1000	<1
2-Nitroaniline	<25-30	<10	<10	<11	<1100	<530	<1000	<25-3
4-Nitroaniline	<25-30	<10	<10	<11	<1100	<530	<1000	<25-3
2-Nitrochlorobenzene	<10	<10	<10	<11	<1100	<530	<1000	<1
3-Nitrochlorobenzene	NA	NA	NA	NA	NA	NA	<1000	N
4-Nitrochlorobenzene	<10	<10	<10	<11	<1100	<530	<1000	<1
4-Nitrodiphenylamine	<10	<10	<10	<11	<1100	<530	<1000	<1
Triphenylphosphate	<10	<10	<10	<11	<1100	<530	<1000	<1
2,3,7,8-Tetrachlorodibenzo-p-dioxin	<0.001	NA	NA	NA	NA	NA	<1000	N
2-Nitrobiphenyl	<10	NA	NA	NA	<1100	NA	<1000	<1
4-Nitrobiphenyl	<10	NA	NA	NA	<1100	NA	<1000	<1
Benzyl alcohol	NA	NA	NA	NA	NA	NA	<1000	N
Aniline	NA	NA	NA	NA	444,000	302,000	159,000	N
4-Chloroaniline	NA	NA	NA	NA	NA	NA	31,600	N
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	<1000	N
N-nitroaniline	NA	NA	NA	NA	NA	NA	<1000	N
Dibenzofuran	NA	NA	NA	NA	NA	NA	<1000	N
3-Chloroaniline	NA	NA	NA	NA	NA	NA	34,400	N
2-Chloroaniline	NA	NA	NA	NA	NA	NA	24,800	N
Sub Total 2	0.0	0.0	0.0	0.0	444,000.0	302,000.0	249,800.0	0.0
Total Base/Neutral Compounds	29.0	15.9	39.3	439.7	444,617.0	302,812.0	250,688.0	17.0

See last page for footnotes.

Table A-3. Base/Neutral Compounds in Ground Water, Sauget Site R, Monsanto Company, Sauget Illinois.

Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)	Well Number: Sample Date: Laboratory:	GM-27C 11/85 ETC	GM-27C 2/86 ETC	GM-27C 11/87 ETC	GM-27C 11/89 ETC	GM-27C 11/90 ETC	GM-27C 11/91 ETC	GM-28B 9/84** EEI	A-2 E
Acenaphthene		<1.9	<1.9	<2.2	<2.2	<1.9	<19	<4	<
Acenapthylene		<3.5	<3.6	<4.0	<4.0	<3.5	<35	<3	<
Anthracene		<1.9	<1.9	<2.2	<2.2	<1.9	<19	<4	<
Benzidine		<44	<45	<50	<51	<44	<440	<60	<
Benzo(a)anthracene		<7.8	<8	<8.9	<9.0	<7.9	<78	<9	<
Benzo(a)pyrene		<2.5	<2.6	6.33	<2.9	<2.5	<25	<12	<
Benzo(b)fluoroanthene		<4.8	<4.9	<11	<5.5	<4.8	<48	<11	<
Benzo(ghi)perylene		<4.1	<4.2	<4.7	<4.7	<4.1	<41	<14	<
Benzo(k)fluoranthene		<3.5	<3.6	9.51	<2.9	<2.5	<25	<11	<
bis(2-Chloroethoxy)methane		<5.3	<5.4	<6.0	<6.1	<5.4	<53	<4	<
bis(2-Chloroethyl)ether		<5.7	<5.8	<6.5	<6.6	<5.8	<57	<4	<
bis(2-Chloroisopropyl)ether		<5.7	<5.8	<6.5	<6.6	<5.8	<57	<3	<
bis(2-Ethylhexyl)phthalate		54	<10	<11	<11	27.0	<100	11	<
4-Bromophenyl phenyl ether		<1.9	<1.9	<2.2	<2.2	<1.9	<19	<16	<
Butyl benzyl phthalate		<10	<10	<11	<11	<10	<100	<13	<
2-Chloronaphthalene		<1.9	<1.9	<2.2	<2.2	<1.9	<19	<4	<
4-Chlorophenyl phenyl ether		<4.2	<4.3	<4.8	<4.8	<4.2	<42	<9	<
Chrysene		<2.5	<2.6	8.73	<2.9	<2.5	<25	<9	<
Dibenzo(a,h)anthracene		<10	<10	<11	<11	<2.5	<25	<16	<
1,2-Dichlorobenzene		72.8	103	400	22.6	6.21	25.5	<5	1
1,3-Dichlorobenzene		5.5	3.1	<2.2	3.36	2.78	<19	<6	<
1,4-Dichlorobenzene		52	76.5	65.1	94.5	122	159	127	18
3,3-Dichlorobenzidine		<17	<17	<19.3	<19	<16.7	<165	<161	<
Diethylphthalate		<10	<10	<11	<11	<10	<100	<4	<
Dimethylphthalate		<10	<10	<11	<11	<10	<100	[illegible]	<
Di-n-butylphthalate		<10	<10	<11	<11	34.1	<100		<
2,4-Dinitrotoluene		<5.7	<5.8	<6.5	<6.6	<5.8	<57		<6
2,6-Dinitrotoluene		<1.9	<1.9	<2.2	<2.2	<1.9	<19	[illegible]	<2
Di-n-octylphthalate		<10	<10	<11	<11	<10	<100	<6	<
1,2-Diphenylhydrazine		<10	<10	<11	<11	<10	<100	<10	<
Fluoranthene		<2.2	<2.2	15.7	<2.5	<2.2	<22	<5	<2
Fluorene		<1.9	<1.9	<2.2	<2.2	<1.9	<19	<4	<2
Hexachlorobenzene		<1.9	<1.9	<2.2	<2.2	<1.9	<19	<15	<2
Hexachlorobutadiene		<0.9	<0.9	<1.0	<1.0	<91	<9.0	<13	
Hexachlorocyclopentadiene		<10	<10	<11	<11	<10	<100	<12	<1
Hexachloroethane		<1.6	<1.6	<1.8	<1.8	<1.6	<16	<10	<1
Indeno(1,2,3-c,d)pyrene		<4.7	<4.8	<5.3	<5.4	<3.7	<37	<7	<5
Isophorone		<2.2	<2.2	<2.5	<2.5	<2.2	<22	<2	<2
Naphthalene		5.2	<1.6	4.55	3.92	5.79	<16	<2	2
Nitrobenzene		<1.9	<1.9	<2.2	<2.2	<1.9	<19	<5	<2
N-Nitrosodimethylamine		<10	<10	<11	<11	<10	<100	<10	<1
N-Nitrosodi-n-propylamine		<10	<10	<11	<11	<10	<100	<6	<1
N-Nitrosodiphenylamine		<1.9	<1.9	<2.2	<2.2	<1.9	<19	<82	<2
Phenanthrene		<5.4	<5.5	<6.1	<6.2	<5.5	<54	<4	<5
Pyrene		<1.9	<1.9	13.9	<2.2	<1.9	<19	<5	<2
1,2,4-Trichlorobenzene		<1.9	<1.9	<2.2	<2.2	<1.9	<19	<7	<10
Sub Total 1		189.5	182.6	523.8	124	198	185	145	123

See last page for footnotes.

Well Number:	GM-27C	GM-27C	GM-27C	GM-27C	GM-27C	GM-27C	GM-28B	GM-28
Sample Date:	11/85	2/86	11/87	11/89	11/90	11/91	9/84**	11/8
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	EEI	ET
Miscellaneous Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
2,4-and 3,4-Dinitrochlorobenzene	<10	<10	<11	<11	<10	<100	<10	<1
2-Nitroaniline	<10	<10	<11	<11	<10	<100	<25-30	<1
4-Nitroaniline	<10	<10	<11	<11	126	<100	<25-30	<1
2-Nitrochlorobenzene	<10	<10	<11	79.8	<10	<100	<10	<1
3-Nitrochlorobenzene	NA	NA	NA	NA	NA	<100	NA	N
4-Nitrochlorobenzene	<10	<10	<11	20.1	<10	<100	<10	<1
4-Nitrodiphenylamine	<10	<10	<11	<11	<10	<100	<10	<1
Triphenylphosphate	<10	<10	<11	<11	<10	<100	<10	<1
2,3,7,8-Tetrachlorodibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	<0.0016	NA
2-Nitrobiphenyl	NA	NA	NA	<11	NA	NA	<10	NA
4-Nitrobiphenyl	NA	NA	NA	<11	NA	NA	<10	NA
Benzyl alcohol	NA	NA	NA	NA	NA	NA	NA	NA
Aniline	NA	NA	NA	869	48,000	27,600	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA	12,500	NA	NA
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	NA
N-nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA
3-Chloroaniline	NA	NA	NA	NA	NA	10,800	NA	NA
2-Chloroaniline	NA	NA	NA	NA	NA	6,590	NA	NA
Sub Total 2	0.0	0.0	0.0	968.9	48,126	57,490	0.0	0.0
Total Base/Neutral Compounds	189.5	182.6	523.8	1,093.3	48,324	57,675	145.0	123.1

See last page for footnotes.

Table A-3. Base/Neutral Compounds in Ground Water, Sauget Site R, Monsanto Company, Sauget Illinois.

Well Number:	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B	28
Sample Date:	2/86	12/86	5/87	11/87	5/88	3/89	11/89	11 9
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ET
Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
Acenaphthene	<1.9	NA	NA	<190	<120	<20	<21	<1
Acenapthylene	<3.6	NA	NA	<350	<220	<36	<38	<3
Anthracene	<1.9	NA	NA	<190	<120	<20	<21	<1
Benzidine	<45	NA	NA	<4400	<2,700	<450	<480	<4
Benzo(a)anthracene	<8	NA	NA	<790	<480	<80	<86	<7
Benzo(a)pyrene	<2.6	NA	NA	<250	<150	<26	<27	<2
Benzo(b)fluoroanthene	<4.9	NA	NA	<1000	<300	<49	<53	<4
Benzo(ghi)perylene	<4.2	NA	NA	<410	<250	<42	<45	<4
Benzo(k)fluoranthene	<3.6	NA	NA	<350	<150	<26	<27	<2
bis(2-Chloroethoxy)methane	<5.4	NA	NA	<540	<330	<55	<58	<5
bis(2-Chloroethyl)ether	<5.8	NA	NA	<580	<350	<59	<63	<5
bis(2-Chloroisopropyl)ether	<5.8	NA	NA	<580	<350	<59	<63	<5
bis(2-Ethylhexyl)phthalate	<10	NA	NA	<1000	<620	<100	<110	11
4-Bromophenyl phenyl ether	<1.9	NA	NA	<190	<120	<20	<21	<1
Butyl benzyl phthalate	<10	NA	NA	<1000	<620	<100	<110	<1
2-Chloronaphthalene	<1.9	NA	NA	<190	<120	<20	<21	<1
4-Chlorophenyl phenyl ether	<4.3	NA	NA	<420	<260	<43	<46	<4
Chrysene	<2.6	NA	NA	<250	<150	<26	<27	<2 5
Dibenzo(a,h)anthracene	<10	NA	NA	<1000	<620	<100	110	<2 5
1,2-Dichlorobenzene	1,720	NA	NA	3,830	4,560	3,380	70	2,43
1,3-Dichlorobenzene	5.4	NA	NA	<190	<120	<20	<21	11
1,4-Dichlorobenzene	231	NA	NA	<440	338	200	378	12
3,3-Dichlorobenzidine	<17	NA	NA	<1700	<1,000	<170	<180	<16 5
Diethylphthalate	<10	NA	NA	<1000	<620	<100	<110	<1
Dimethylphthalate	<10	NA	NA	<1000	<620	<100	<110	<1
Di-n-butylphthalate	<10	NA	NA	<1000	<620	<100	<110	1
2,4-Dinitrotoluene	<5.8	NA	NA	<580	<350	<59	<63	5 7
2,6-Dinitrotoluene	<1.9	NA	NA	<190	<120	<20	<21	<1 9
Di-n-octylphthalate	<10	NA	NA	<1000	<620	<100	<110	<1
1,2-Diphenylhydrazine	<10	NA	NA	<1000	<620	<100	<110	<1
Fluoranthene	<2.3	NA	NA	<220	<140	<23	<24	<2 2
Fluorene	<1.9	NA	NA	<190	<120	<20	<21	<1 9
Hexachlorobenzene	<1.9	NA	NA	<190	<120	<20	<21	<1 9
Hexachlorobutadiene	<0.9	NA	NA	<91	<56	<9.3	<9.9	<9
Hexachlorocyclopentadiene	<10	NA	NA	<1000	<620	<100	<110	<1
Hexachloroethane	<1.6	NA	NA	<160	<99	<16	<18	<1 6
Indeno(1,2,3-c,d)pyrene	<4.8	NA	NA	<470	<290	<48	<52	<3 7
Isophorone	<2.3	NA	NA	<220	<140	<23	<24	<2 2
Naphthalene	<1.6	NA	NA	<160	<99	<16	<18	<1 6
Nitrobenzene	<1.9	NA	NA	1,190	919	<20	<21	154
N-Nitrosodimethylamine	<10	NA	NA	<1000	<620	<100	<110	<1
N-Nitrosodi-n-propylamine	<10	NA	NA	<1000	<620	<100	<110	<1
N-Nitrosodiphenylamine	<1.9	NA	NA	<190	<120	<20	<21	<1 9
Phenanthrene	<5.5	NA	NA	<550	<330	<56	<59	<5 4
Pyrene	<1.9	NA	NA	<190	<120	<20	<21	<1 9
1,2,4-Trichlorobenzene	29.6	NA	NA	<190	<120	<20	<21	172
Sub Total 1	1,986	0	0	5,020	5,817	3,580	7,148	3,011

See last page for footnotes.

Well Number:	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B	GM-2
Sample Date:	2/86	12/86	5/87	11/87	5/88	3/89	11/89	[illegible]
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	E[illegible]
Miscellaneous Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
2,4-and 3,4-Dinitrochlorobenzene	<10	<11	<1100	<1000	<620	<100	<110	<
2-Nitroaniline	<10	<11	<1100	<1000	<620	<100	<110	<
4-Nitroaniline	<10	<11	<1100	<1000	<620	<100	<110	<
2-Nitrochlorobenzene	180	<11	<1100	13,100	17,900	8,660	222	22.7(
3-Nitrochlorobenzene	NA	NA	NA	NA	NA	NA	NA	N
4-Nitrochlorobenzene	36.6	<11	<1100	28,800	43,800	34,700	470	63.0(
4-Nitrodiphenylamine	<10	<11	<1100	<1000	<620	<100	<110	<
Triphenylphosphate	<10	<11	<1100	<1000	<620	<100	<110	<
2,3,7,8-Tetrachlorodibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	N
2-Nitrobiphenyl	NA	NA	NA	NA	<620	NA	<110	N
4-Nitrobiphenyl	NA	NA	NA	NA	<620	NA	<110	N
Benzyl alcohol	NA	NA	NA	NA	NA	<1,030	NA	N
Aniline	NA	NA	NA	NA	NA	3,360	6,780	2,63
4-Chloroaniline	NA	NA	NA	NA	NA	113,000	NA	N
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	N
N-nitroaniline	NA	NA	NA	NA	NA	NA	NA	N
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	N
3-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	N
2-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	N
Sub Total 2	216.6	0.0	0.0	41,900.0	61,700.0	159,720.0	7,472.0	38.33
Total Base/Neutral Compounds	2,202.6	0.0	0.0	46,920.0	67,517.0	163,300.0	14,620.0	91,34

See last page for footnotes.

Table A-3. Base/Neutral Compounds in Ground Water. Sauget Site R, Monsanto Company, Sauget Illinois.

Well Number:	GM-28B	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	A-2
Sample Date:	11/91	9/84**	11/85	2/86	12/86	5/87	11/87	5
Laboratory:	ETC	EEI	ETC	ETC	ETC	ETC	ETC	E
Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
Acenaphthene	<39	NA	<1.9	<1.9	NA	NA	<1.9	<1
Acenapthylene	<71	NA	<3.5	<3.5	NA	NA	<3.5	<2
Anthracene	<39	NA	<1.9	<1.9	NA	NA	<1.9	<1
Benzidine	<890	NA	<44	<44	NA	NA	<44	<3.1
Benzo(a)anthracene	<160	NA	<7.8	<7.9	NA	NA	<7.8	<5
Benzo(a)pyrene	<51	NA	<2.5	<2.5	NA	NA	<2.5	<1
Benzo(b)fluoroanthene	<97	NA	<4.8	<4.8	NA	NA	<10	<3
Benzo(ghi)perylene	<83	NA	<4.1	<4.1	NA	NA	<4.1	<2
Benzo(k)fluoranthene	<51	NA	<3.5	<3.5	NA	NA	<3.5	<1
bis(2-Chloroethoxy)methane	<110	NA	<5.3	<5.4	NA	NA	<5.3	<3
bis(2-Chloroethyl)ether	<120	NA	<5.7	<5.8	NA	NA	<5.7	<4
bis(2-Chloroisopropyl)ether	<120	NA	<5.7	<5.8	NA	NA	<5.7	<4
bis(2-Ethylhexyl)phthalate	<200	NA	<10	<10	NA	NA	<10	<7
4-Bromophenyl phenyl ether	<39	NA	<1.9	<1.9	NA	NA	<1.9	<1
Butyl benzyl phthalate	<200	NA	<10	<10	NA	NA	<10	<7
2-Chloronaphthalene	<39	NA	<1.9	<1.9	NA	NA	<1.9	<1
4-Chlorophenyl phenyl ether	<85	NA	<4.2	<4.2	NA	NA	<4.2	<3
Chrysene	<51	NA	<2.5	<2.5	NA	NA	<2.5	<1
Dibenzo(a,h)anthracene	<51	NA	<10	<10	NA	NA	<10	<7
1,2-Dichlorobenzene	4,160	NA	38	3,270	NA	NA	3,040	3,37
1,3-Dichlorobenzene	<39	NA	<1.9	14.7	NA	NA	<1.9	<1
1,4-Dichlorobenzene	188	NA	10	103	NA	NA	193	<31
3,3-Dichlorobenzidine	<335	NA	<17	<17	NA	NA	47.0	<1,20
Diethylphthalate	<200	NA	<10	<10	NA	NA	<10	<70
Dimethylphthalate	<200	NA	<10	<10	NA	NA	<10	<70
Di-n-butylphthalate	<200	NA	<10	<10	NA	NA	<10	<70
2,4-Dinitrotoluene	<120	NA	<5.7	<5.8	NA	NA	<5.7	<40
2,6-Dinitrotoluene	<39	NA	<1.9	<1.9	NA	NA	<1.9	<13
Di-n-octylphthalate	<200	NA	<10	<10	NA	NA	<10	<70
1,2-Diphenylhydrazine	<200	NA	<10	<10	NA	NA	<10	<70
Fluoranthene	<45	NA	<2.2	<2.2	NA	NA	<2.2	15
Fluorene	<39	NA	<1.9	<1.9	NA	NA	<1.9	<13
Hexachlorobenzene	<39	NA	<1.9	<1.9	NA	NA	<1.9	<13
Hexachlorobutadiene	<18	NA	<0.9	<0.9	NA	NA	<.90	<6
Hexachlorocyclopentadiene	<200	NA	<10	<10	NA	NA	<10	<70
Hexachloroethane	<32	NA	<1.6	<1.6	NA	NA	<1.6	<11
Indeno(1,2,3-c,d)pyrene	<75	NA	<4.7	<4.7	NA	NA	<4.7	<33
Isophorone	<45	NA	<2.2	<2.2	NA	NA	<2.2	<15
Naphthalene	<32	NA	<1.6	<1.6	NA	NA	<1.6	<11
Nitrobenzene	<39	NA	<1.9	<1.9	NA	NA	<1.9	<13
N-Nitrosodimethylamine	<200	NA	<10	<10	NA	NA	<10	<70
N-Nitrosodi-n-propylamine	<200	NA	<10	<10	NA	NA	<10	<70
N-Nitrosodiphenylamine	<39	NA	<1.9	<1.9	NA	NA	<1.9	<13
Phenanthrene	<110	NA	<5.4	<5.5	NA	NA	<5.4	<38
Pyrene	<39	NA	<1.9	<1.9	NA	NA	<1.9	<13
1,2,4-Trichlorobenzene	62.9	NA	16.2	20.3	NA	NA	<1.9	<13
Sub Total 1	4,411	0	64	3,408	0	0	3,280	3,370

See last page for footnotes.

0472

Well Number:	GM-28B	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-28
Sample Date:	11/91	9/84**	11/85	2/86	12/86	5/87	11/87	E
Laboratory:	ETC	EEI	ETC	ETC	ETC	ETC	ETC	E
Miscellaneous Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
2,4-and 3,4-Dinitrochlorobenzene	<200	NA	<10	<10	<11	<1300	<10	<7
2-Nitroaniline	<200	NA	<10	<10	<11	<1300	<10	<7
4-Nitroaniline	<200	NA	<10	<10	<11	<1300	<10	<7
2-Nitrochlorobenzene	2,120	NA	<10	494	<11	<1300	17,400	15 4
3-Nitrochlorobenzene	918	NA	NA	NA	NA	NA	NA	N
4-Nitrochlorobenzene	2,030	NA	<10	1,460	<11	<1300	36,000	30 6
4-Nitrodiphenylamine	<200	NA	<10	<10	<11	<1300	56 3	<7
Triphenylphosphate	<200	NA	<10	<10	<11	<1300	<10	<7
2,3,7,8-Tetrachlorodibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	N
2-Nitrobiphenyl	NA	NA	NA	NA	NA	NA	NA	<7
4-Nitrobiphenyl	NA	NA	NA	NA	NA	NA	NA	<7
Benzyl alcohol	NA	NA	NA	NA	NA	NA	NA	N
Aniline	1,020	NA	NA	NA	NA	NA	NA	N
4-Chloroaniline	53,100	NA	NA	NA	NA	NA	NA	N
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	N
N-nitroaniline	NA	NA	NA	NA	NA	NA	NA	N
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	N
3-Chloroaniline	46,000	NA	NA	NA	NA	NA	NA	N
2-Chloroaniline	36,200	NA	NA	NA	NA	NA	NA	N
Sub Total 2	141,388	0.0	0.0	1,954.0	0.0	0.0	53,456.3	46 000
Total Base/Neutral Compounds	145,799	0.0	64.2	5,362.0	0.0	0.0	56,736.3	49 370

See last page for footnotes.

Table A-3. Base/Neutral Compounds in Ground Water, Sauget Site R, Monsanto Company, Sauget Illinois

Well Number:	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-55C	[illegible]
Sample Date:	11/88	3/89	3/89 *	11/89	11/90	11/91	11/87	[illegible]
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	[illegible]
Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
Acenaphthene	<2.2	<1900	<190	<2.2	<1,900	<39	<2.0	[illegible]
Acenapthylene	<4.0	<3600	<350	<4.1	<3,500	<71	<3.6	[illegible]
Anthracene	<2.2	<1900	<190	<2.2	<1,900	<39	<2.0	[illegible]
Benzidine	<50	<45000	<4400	<51	<44,000	<900	<46	<1,00
Benzo(a)anthracene	<8.9	<8000	<780	<9.1	<7,800	<160	<8.1	<18
Benzo(a)pyrene	<2.8	<2600	<250	<2.9	<2,500	<51	<2.6	[illegible]
Benzo(b)fluoroanthene	<5.5	<4900	<480	<5.6	<4,800	<98	<10	<11
Benzo(ghi)perylene	<4.7	<4200	<410	<4.8	<4,100	<84	<4.3	[illegible]
Benzo(k)fluoranthene	<2.8	<2600	<250	<2.9	<2,500	<51	<3.6	[illegible]
bis(2-Chloroethoxy)methane	<6.0	<5400	<530	<6.2	<5,300	<110	<5.5	<12
bis(2-Chloroethyl)ether	<6.5	<5800	<570	<6.6	<5,700	<120	5.9	<13
bis(2-Chloroisopropyl)ether	<6.5	<5800	<570	<6.6	<5,700	<120	5.9	<13
bis(2-Ethylhexyl)phthalate	32.7	<10000	<1000	23.9	<10,000	<200	<10	<24
4-Bromophenyl phenyl ether	<2.2	<1900	<190	<2.2	<1,900	<39	<2.0	[illegible]
Butyl benzyl phthalate	<11	<10000	<1000	<12	<10,000	<200	<10	<24
2-Chloronaphthalene	<2.2	<1900	<190	<2.2	<1,900	<39	<2.0	[illegible]
4-Chlorophenyl phenyl ether	<4.8	<4300	<430	<4.9	<4,200	<86	<4.4	[illegible]
Chrysene	<2.8	<2600	<250	<2.9	<2,500	<51	<2.6	[illegible]
Dibenzo(a,h)anthracene	<11	<10000	<1000	<12	<2,500	<51	<10	<24
1,2-Dichlorobenzene	5,810	5,470	5,640	3,880	9,810	3,330	6.00	69
1,3-Dichlorobenzene	11.1	<1900	<190	17.4	<1,900	<39	<2.0	[illegible]
1,4-Dichlorobenzene	199	<4500	<440	167	<4,400	138	38.7	31
3,3-Dichlorobenzidine	<19	<17000	<1700	<19	<16,500	<337	<17	<39
Diethylphthalate	<11	<10000	<1000	<12	<10,000	<200	<10	<24
Dimethylphthalate	<11	<10000	<1000	<12	<10,000	<200	<10	<24
Di-n-butylphthalate	<11	<10000	<1000	<12	<10,000	<200	<10	4
2,4-Dinitrotoluene	<6.5	<5800	<570	<6.6	<5,700	<120	<5.9	<13
2,6-Dinitrotoluene	<2.2	<1900	<190	<2.2	<1,900	<39	<2.0	[illegible]
Di-n-octylphthalate	<11	<10000	<1000	<12	<10,000	<200	<10	<24
1,2-Diphenylhydrazine	<11	<10000	<1000	<12	<10,000	<200	<10	<24
Fluoranthene	<2.5	<2200	<220	<2.6	<2,200	<45	4.21	[illegible]
Fluorene	<2.2	<1900	<190	<2.2	<1,900	<39	<2.0	[illegible]
Hexachlorobenzene	<2.2	<1900	<190	<2.2	<1,900	<39	<2.0	[illegible]
Hexachlorobutadiene	<1.0	<920	<90	<1.0	<900	<18	<.94	<21
Hexachlorocyclopentadiene	<11	10000	<1000	<12	<10,000	<200	<10	<24
Hexachloroethane	<1.8	<2600	<160	<1.9	<1,600	<33	<1.7	[illegible]
Indeno(1,2,3-c,d)pyrene	<5.3	<4800	<470	<5.5	<3,700	<76	<4.9	<11
Isophorone	<2.5	<2200	<220	<2.6	<2,200	<45	<2.3	[illegible]
Naphthalene	<1.8	<1600	<160	2.91	<1,600	<33	<1.7	[illegible]
Nitrobenzene	9.81	<1900	210	<2.2	<1,900	<39	<2.0	[illegible]
N-Nitrosodimethylamine	<11	<10000	<1000	<12	<10,000	<200	<10	<24
N-Nitrosodi-n-propylamine	<11	<10000	<1000	<12	<10,000	<200	<10	<24
N-Nitrosodiphenylamine	<2.2	<1900	<190	<2.2	,1,900	<39	<2.0	<45
Phenanthrene	<6.1	<5500	<540	<6.3	<5,400	<110	<5.6	<130
Pyrene	<2.2	<1900	<190	<2.2	<1,900	<39	3.14	<45
1,2,4-Trichlorobenzene	138	<1900	<190	57.1	<1,900	43.3	<2.0	<45
Sub Total 1	6,201	15,470	5,850	4,148	9,810	3,511	63.9	1,004

See last page for footnotes.

0474

Well Number:	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-55C	GM-5
Sample Date:	11/88	3/89	3/89 *	11/89	11/90	11/91	11/87	5
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	E
Miscellaneous Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
2,4-and 3,4-Dinitrochlorobenzene	<11	<10000	<1000	<12	<10,000	<200	<10	<2
2-Nitroaniline	21.9	<10000	<1000	<12	<10,000	<200	<10	<2
4-Nitroaniline	<11	<10000	<1000	<12	<10,000	<200	<10	<2
2-Nitrochlorobenzene	23,700	20,500	26,300	238	70,100	1,740	<10	2.9
3-Nitrochlorobenzene	NA	NA	NA	NA	NA	730	NA	N
4-Nitrochlorobenzene	45,300	27,600	55,800	591	79,500	1,420	14.6	1.1
4-Nitrodiphenylamine	107	<10000	<1000	<12	<10,000	<200	<10	<2
Triphenylphosphate	<11	<10000	<1000	<12	<10,000	<200	<10	<2
2,3,7,8-Tetrachlorodibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	N
2-Nitrobiphenyl	NA	NA	NA	<12	NA	NA	NA	<2
4-Nitrobiphenyl	NA	NA	NA	<12	NA	NA	NA	<2
Benzyl alcohol	NA	<10,200	<10,000	NA	NA	NA	NA	N
Aniline	NA	7,330	8,790	8,920	<10,000	3,930	NA	N
4-Chloroaniline	NA	220,000	251,000	NA	NA	51,900	NA	N
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	N
N-nitroaniline	NA	NA	NA	NA	NA	NA	NA	N
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	N
3-Chloroaniline	NA	NA	NA	NA	NA	52,400	NA	N
2-Chloroaniline	NA	NA	NA	NA	NA	59,100	NA	N
Sub Total 2	69,128.9	275,430.0	341,890.0	9,749.0	149,600	171,220	14.6	4.120
Total Base/Neutral Compounds	75,329.5	290,900.0	347,740.0	13,897.3	159,410	174,731	78.5	5.124

See last page for footnotes.

Table A-3. Base/Neutral Compounds in Ground Water, Sauget Site R, Monsanto Company, Sauget Illinois

Well Number:	GM-55C	GM-55C	GM-55C	GM-55C	GM-56C	GM-56C	GM-56C	56
Sample Date:	11/88	11/89	11/90	11/91	11/87	5/88	11/88	
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	
Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
Acenaphthene	<210	<230	<19	<200	<190	<120	<120	<1(
Acenapthylene	<390	<420	<35	<360	<360	<210	<210	<1(
Anthracene	<210	<230	<19	<200	<190	<120	<120	<1(
Benzidine	<4,900	<5300	<440	<4500	<4500	<2700	<2700	<8(
Benzo(a)anthracene	<880	<940	<78	<800	<800	<480	<480	<1(
Benzo(a)pyrene	<280	<300	<25	<260	<260	<150	<150	<1(
Benzo(b)fluoroanthene	<540	<580	<48	<490	<1000	<290	<290	<1(
Benzo(ghi)perylene	<460	<490	<41	<420	<420	<250	<250	<1(
Benzo(k)fluoranthene	<280	<300	<25	<260	<360	<150	<150	<1(
bis(2-Chloroethoxy)methane	<600	<640	[illegible]	<550	<540	<320	<320	<1(
bis(2-Chloroethyl)ether	<640	<690	[illegible]	<590	<580	<350	<350	<1(
bis(2-Chloroisopropyl)ether	<640	<690	57	<590	<580	<350	<350	<1(
bis(2-Ethylhexyl)phthalate	<1,100	<1200	<100	<1000	<1000	<610	<610	<1(
4-Bromophenyl phenyl ether	<210	<230	<19	<200	<190	<120	<120	<1(
Butyl benzyl phthalate	<1,100	<1200	<100	<1000	<1000	<610	<610	<1(
2-Chloronaphthalene	<210	<230	<19	<200	<190	<120	<120	<1(
4-Chlorophenyl phenyl ether	<470	<510	<42	<430	<430	<260	<260	<1(
Chrysene	<280	<300	<25	<260	<260	<150	<150	<1(
Dibenzo(a,h)anthracene	<1,100	<1200	<25	<260	<1000	<610	<610	<1(
1,2-Dichlorobenzene	4,030	4,760	2,390	8,730	1,570	880	1,260	1 00(
1,3-Dichlorobenzene	<210	<230	<19	<200	<190	<120	<120	<1(
1,4-Dichlorobenzene	<490	<530	<44	<450	<450	<270	<270	12(
3,3-Dichlorobenzidine	<1,900	<2000	<165	<1700	<1700	<1040	<1000	<20(
Diethylphthalate	<1,100	<1200	<100	<1000	<1000	<610	<610	<1(
Dimethylphthalate	<1,100	<1200	<100	<1000	<1000	<610	<610	1(
Di-n-butylphthalate	<1,100	<1200	<100	<1000	<1000	<610	<610	0(
2,4-Dinitrotoluene	<640	<690	<57	<590	<580	<350	<350	<1(
2,6-Dinitrotoluene	<210	<230	<19	<200	<190	<120	<120	<1(
Di-n-octylphthalate	<1,100	<1200	<100	<1000	<1000	<610	<610	<1(
1,2-Diphenylhydrazine	<1,100	<1200	<100	<1000	<1000	<610	<610	[illegible]
Fluoranthene	<250	<270	<22	<230	<220	<130	<130	
Fluorene	<210	<230	<19	<200	<190	<120	<120	<1(
Hexachlorobenzene	<210	<230	<19	<200	<190	<120	<120	<1(
Hexachlorobutadiene	<100	<110	<9.0	<93	<92	<55	<55	<1(
Hexachlorocyclopentadiene	<1,100	<1200	<100	<1000	<1000	<610	<610	<1(
Hexachloroethane	<180	<190	<16	<160	<160	<98	<98	<1(
Indeno(1,2,3-c,d)pyrene	<530	<570	<37	<380	<480	<290	<290	<1(
Isophorone	<250	<270	<22	<230	<220	<130	<130	<1(
Naphthalene	<180	<190	<16	<160	<160	<98	<98	<1(
Nitrobenzene	<210	<230	<19	<200	<190	<120	223	22(
N-Nitrosodimethylamine	<1,100	<1200	<100	<1000	<1000	<610	<610	<1(
N-Nitrosodi-n-propylamine	<1,100	<1200	<100	<1000	<1000	<610	<610	<1(
N-Nitrosodiphenylamine	<210	<230	<19	<200	<190	<120	<120	<1(
Phenanthrene	<610	<650	<54	<560	<550	<330	<330	<1(
Pyrene	<210	<230	<19	<200	<190	<120	<120	<1(
1,2,4-Trichlorobenzene	<210	<230	<19	<200	<190	<120	<120	<1(
Sub Total 1	4,030	4,760	2,390	8,730	1,570	880	1,483	1,340

See last page for footnotes.

Well Number:	GM-55C	GM-55C	GM-55C	GM-55C	GM-56C	GM-56C	GM-56C	GM-56
Sample Date:	11/88	11/89	11/90	11/91	11/87	5/88	11/88	[illegible]
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	[illegible]
Miscellaneous Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
2,4-and 3,4-Dinitrochlorobenzene	<1,100	<1200	<100	<1000	<1000	<610	<610	<1[illegible]
2-Nitroaniline	<1,100	<1200	<100	<1000	<1000	<610	<610	<5[illegible]
4-Nitroaniline	<1,100	<1200	<100	<1000	<1000	<610	<610	<5[illegible]
2-Nitrochlorobenzene	41,700	38,800	<100	42,300	84,900	26,300	70,700	130 00[illegible]
3-Nitrochlorobenzene	NA	NA	NA	30,900	NA	NA	NA	N[illegible]
4-Nitrochlorobenzene	74,600	66,700	<100	34,800	24,800	7,360	17,500	30 00[illegible]
4-Nitrodiphenylamine	<1,100	<1200	<100	<1000	<1000	<610	<610	<20[illegible]
Triphenylphosphate	<1,100	<1200	<100	<1000	<1000	<610	<610	<10[illegible]
2,3,7,8-Tetrachlorodibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	N[illegible]
2-Nitrobiphenyl	NA	<1200	NA	NA	NA	<610	NA	N[illegible]
4-Nitrobiphenyl	NA	<1200	NA	NA	NA	<610	NA	N[illegible]
Benzyl alcohol	NA	NA	NA	NA	NA	NA	NA	N[illegible]
Aniline	NA	1,220	24,800	<1000	NA	NA	NA	N[illegible]
4-Chloroaniline	NA	NA	NA	17,200	NA	NA	NA	N[illegible]
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	N[illegible]
N-nitroaniline	NA	NA	NA	NA	NA	NA	NA	N[illegible]
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	N[illegible]
3-Chloroaniline	NA	NA	NA	9,170	NA	NA	NA	N[illegible]
2-Chloroaniline	NA	NA	NA	35,300	NA	NA	NA	N[illegible]
Sub Total 2	116,300.0	106,720.0	24,800	169,670	109,700.0	33,660.0	88,200.0	160 000 [illegible]
Total Base/Neutral Compounds	120,330.0	111,480.0	27,190	178,400	111,270.0	34,540.0	89,683.0	161 340 [illegible]

See last page for footnotes.

Table A-3. Base/Neutral Compounds in Ground Water, Sauget Site R, Monsanto Company, Sauget Illinois.

Well Number:	GM-56C	GM-56C	GM-56C	GM-57C	GM-57C	GM-57C	GM-57C	A-5
Sample Date:	11/89	11/90	11/91	11/87	11/87*	5/88	5/88*	11
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	E
Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
Acenaphthene	<2.2	<200	<19	<210	<220	<96	<98	<2
Acenapthylene	<4.0	<360	<35	<380	<400	<180	<180	<3
Anthracene	<2.2	<200	<19	<210	<220	<96	<98	<2
Benzidine	<50	<4500	<440	<4800	<5100	<2,200	<2,300	<4.9
Benzo(a)anthracene	<8.9	<800	<79	<860	<900	<390	<400	<8
Benzo(a)pyrene	<2.8	<260	<25	<270	<290	<130	<130	<2
Benzo(b)fluoroanthene	<5.5	<490	<48	<1100	<1100	<240	<250	<5
Benzo(ghi)perylene	<4.7	<420	<41	<450	<470	<210	<210	<4
Benzo(k)fluoranthene	<2.8	<260	<25	<380	<400	<130	<130	<2
bis(2-Chloroethoxy)methane	<6.0	<550	<54	<580	<610	<270	<270	<5
bis(2-Chloroethyl)ether	<6.5	<590	<58	<630	<660	<290	<290	<6
bis(2-Chloroisopropyl)ether	<6.5	<590	<58	<630	<660	<290	<290	<6
bis(2-Ethylhexyl)phthalate	<11	<1000	<100	<1100	<1100	<510	<520	<1,1
4-Bromophenyl phenyl ether	<2.2	<200	<19	<210	<220	<96	<98	<2
Butyl benzyl phthalate	<11	<1000	<100	<1100	<1100	<510	<520	<1,1
2-Chloronaphthalene	<2.2	<200	<19	<210	<220	<96	<98	<2
4-Chlorophenyl phenyl ether	<4.8	<430	<42	<460	<480	<210	<220	<4
Chrysene	<2.8	<260	<25	<270	<290	<130	<130	<2
Dibenzo(a,h)anthracene	<11	<260	<25	<1100	<1100	<510	<520	<1,1
1,2-Dichlorobenzene	693	1,100	204	638	575	837	922	65
1,3-Dichlorobenzene	13.1	<200	<19	<210	<220	<96	<98	<2
1,4-Dichlorobenzene	96.8	<450	<44	<480	<510	387	395	<4
3,3-Dichlorobenzidine	<19	<1700	<167	<1800	<1900	<830	<850	<1,8
Diethylphthalate	<11	<1000	<100	<1100	<1100	<510	<520	<1,1
Dimethylphthalate	<11	<1000	<100	<1100	<1100	<510	<5	1
Di-n-butylphthalate	<11	<1000	<100	<1100	<1100	<510		1
2,4-Dinitrotoluene	<6.5	<590	<58	<630	<660	<290		<6
2,6-Dinitrotoluene	<2.2	<200	<19	<210	<220	<96	<98	<21
Di-n-octylphthalate	<11	<1000	<100	<1100	<1100	<510	<520	<1,1
1,2-Diphenylhydrazine	<11	<1000	<100	<1100	<1100	<510	<520	<1,1
Fluoranthene	<2.5	<230	<22	<240	<250	<110	<110	<24
Fluorene	<2.2	<200	<19	<210	<220	<96	<98	<21
Hexachlorobenzene	<2.2	<200	<19	<210	<220	<96	<98	<21
Hexachlorobutadiene	<1.0	<93	<9.1	<99	<100	<45	<46	<10
Hexachlorocyclopentadiene	<11	<1000	<100	<1100	<1100	<510	<520	<1,10
Hexachloroethane	<1.8	<160	<16	<180	<180	<81	<82	<18
Indeno(1,2,3-c,d)pyrene	<5.3	<380	<37	<520	<540	<240	<240	<52
Isophorone	<2.5	<230	<22	<240	<250	<110	<110	<24
Naphthalene	40.9	<160	19.7	<180	<180	<81	<82	<18
Nitrobenzene	135	306	<19	430	449	<96	<98	32
N-Nitrosodimethylamine	<11	<1000	<100	<1100	<1100	<510	<520	<1,10
N-Nitrosodi-n-propylamine	<11	<1000	<100	<1100	<1100	<510	<520	<1,10
N-Nitrosodiphenylamine	<2.2	<200	<19	<210	<220	<96	<98	<21
Phenanthrene	<6.1	<560	<55	<590	<620	<270	<280	<60
Pyrene	<2.2	<200	<19	<210	<220	<96	<98	<21
1,2,4-Trichlorobenzene	39.8	<200	<19	<210	<220	<96	<98	<21
Sub Total 1	1,019	1,406	224	1,068	1,024	1,224	1,317	97

See last page for footnotes.

Well Number:	GM-56C	GM-56C	GM-56C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57
Sample Date:	11/89	11/90	11/91	11/87	11/87*	5/88	5/88*	11
Laboratory:	SL	ETC	ETC	ETC	ETC	ETC	ETC	ET
Miscellaneous Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
2,4-and 3,4-Dinitrochlorobenzene	<11	<1000	<100	<1100	<1100	<510	<520	<1 1C
2-Nitroaniline	<11	<1000	<100	<1100	<1100	<510	<520	<1 1C
4-Nitroaniline	<11	<1000	<100	<1100	<1100	<510	<520	<1 1C
2-Nitrochlorobenzene	68,800	136,000	564	82,100	85,600	124,000	142,000	219 0C
3-Nitrochlorobenzene	NA	NA	2,030	NA	NA	NA	NA	N
4-Nitrochlorobenzene	17,000	33,500	<100	21,400	21,700	25,800	30,600	40 5C
4-Nitrodiphenylamine	<11	<1000	<100	<1100	<1100	<510	<520	<1 1C
Triphenylphosphate	<11	<1000	<100	<1100	<1100	<510	<520	<1 1C
2,3,7,8-Tetrachlorodibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	N
2-Nitrobiphenyl	<11	NA	NA	<1100	<1100	<510	<520	N
4-Nitrobiphenyl	<11	NA	NA	<1100	<1100	<510	<520	N
Benzyl alcohol	NA	NA	NA	NA	NA	NA	NA	N
Aniline	34,300	23,100	20,600	NA	NA	NA	NA	N
4-Chloroaniline	NA	NA	56,900	NA	NA	NA	NA	N
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	N
N-nitroaniline	NA	NA	NA	NA	NA	NA	NA	N
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	N
3-Chloroaniline	NA	NA	25,200	NA	NA	NA	NA	N
2-Chloroaniline	NA	NA	183,000	NA	NA	NA	NA	N
Sub Total 2	120,100.0	192,600	288,294	103,500.0	107,300.0	149,800.0	172,600.0	259,500
Total Base/Neutral Compounds	121,118.6	194,006	288,518	104,568.0	108,324.0	151,024.0	173,917.0	260,471

See last page for footnotes.

Table A-3. Base/Neutral Compounds in Ground Water, Sauget Site R, Monsanto Company, Sauget Illinois.

Well Number:	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C
Sample Date:	11/88	3/89	11/89	11/89 *	11/90	11/90*	11/91	11/91*
Laboratory:	SL	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
Acenaphthene	<100	<20	<23	<20	<96	<20	<95	<95
Acenapthylene	<100	<37	<42	<37	<180	<36	<180	<180
Anthracene	<100	<20	<23	<20	<96	<20	<95	<95
Benzidine	<800	<460	<520	<460	<2,200	<450	<2200	<2200
Benzo(a)anthracene	<100	<82	<93	<82	<390	<80	<390	<390
Benzo(a)pyrene	<100	<26	<30	<26	<130	<26	<130	<130
Benzo(b)fluoroanthene	<100	<51	<57	<51	<240	<49	<240	<240
Benzo(ghi)perylene	<100	<43	<49	<43	<210	<42	<210	<210
Benzo(k)fluoranthene	<100	<26	<30	<26	<130	<26	<130	<130
bis(2-Chloroethoxy)methane	<100	<56	<63	<56	<270	<55	<270	<270
bis(2-Chloroethyl)ether	<100	<60	<68	<60	<290	<59	<290	<290
bis(2-Chloroisopropyl)ether	<100	<60	<68	<60	<290	<59	<290	<290
bis(2-Ethylhexyl)phthalate	<100	<110	<120	<110	<510	<100	<500	<500
4-Bromophenyl phenyl ether	<100	<20	<23	<20	<96	<20	<95	<95
Butyl benzyl phthalate	<100	<110	<120	<110	<510	<100	<500	<500
2-Chloronaphthalene	<100	<20	<23	<20	<96	<20	<95	<95
4-Chlorophenyl phenyl ether	<100	<44	<50	<44	<210	<43	<210	<210
Chrysene	<100	<26	<30	<26	<130	<26	<130	<130
Dibenzo(a,h)anthracene	<100	<110	<120	<110	<130	<26	<130	<130
1,2-Dichlorobenzene	540	598	562	591	555	599	674	709
1,3-Dichlorobenzene	<100	<20	<23	<20	<96	<20	<95	<95
1,4-Dichlorobenzene	320	298	413	449	456	447	312	346
3,3-Dichlorobenzidine	<200	<170	<200	<170	<833	<170	<825	<825
Diethylphthalate	<100	<110	<120	<110	<510	<100	<500	<500
Dimethylphthalate	<100	<110	<120	<110	<510	<100	<500	<500
Di-n-butylphthalate	<100	<110	<120	<110	<510	<100	<500	[illegible]
2,4-Dinitrotoluene	<100	<60	<68	<60	<290	<59	<290	<290
2,6-Dinitrotoluene	<100	<20	<23	<20	<96	<20	<95	<95
Di-n-octylphthalate	<100	<110	<120	<110	<510	<100	<500	<500
1,2-Diphenylhydrazine	<100	<110	<120	<110	<510	<100	<500	<500
Fluoranthene	<100	<23	<26	<23	<110	<23	<110	<110
Fluorene	<100	<20	<23	<20	<96	<20	<95	<95
Hexachlorobenzene	<100	<20	<23	<20	<96	<20	<95	<95
Hexachlorobutadiene	<100	<9.5	<11	<9.5	<45	<9.3	<45	<45
Hexachlorocyclopentadiene	<100	<110	<120	<110	<510	<100	<500	<500
Hexachloroethane	<100	<17	<19	<17	<81	<16	<80	<80
Indeno(1,2,3-c,d)pyrene	<100	<49	<56	<49	<190	<38	<190	<190
Isophorone	<100	<23	<26	<23	<110	<23	<110	<110
Naphthalene	<100	<17	35.5	34.9	<81	22.2	<80	<80
Nitrobenzene	260	<20	579	219	674	1010	<95	<95
N-Nitrosodimethylamine	<100	<110	<120	<110	<510	<100	<500	<500
N-Nitrosodi-n-propylamine	<100	<110	<120	<110	<510	<100	<500	<500
N-Nitrosodiphenylamine	<100	<20	<23	<20	<96	<20	<95	<95
Phenanthrene	<100	<57	<64	<57	<270	<56	<270	<270
Pyrene	<100	<20	<23	<20	<96	<20	<95	<95
1,2,4-Trichlorobenzene	<100	<20	98.8	95.7	<96	59.0	<95	99.5
Sub Total 1	1,120	896	1,688	1,390	1,685	2,137	986	1,155

See last page for footnotes.

Well Number:	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57
Sample Date:	11/88	3/89	11/89	11/89 *	11/90	11/90*	11/91	9
Laboratory:	SL	ETC	ETC	ETC	ETC	ETC	ETC	E
Miscellaneous Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
2,4-and 3,4-Dinitrochlorobenzene	<100	<110	<120	<110	<510	<100	<500	<5
2-Nitroaniline	<500	<110	<120	<110	<510	<100	<500	<5
4-Nitroaniline	<500	<110	<120	<110	<510	<100	<500	<5
2-Nitrochlorobenzene	100,000	112,000	109,000	123,000	116,000	169,000	<500	<5
3-Nitrochlorobenzene	NA	NA	NA	NA	NA	NA	<500	<5
4-Nitrochlorobenzene	31,000	33,900	21,400	21,200	26,300	33,000	<500	<5
4-Nitrodiphenylamine	<200	<110	<120	<110	<510	<100	<500	<5
Triphenylphosphate	<100	<110	<120	<110	<510	<100	<500	<5
2,3,7,8-Tetrachlorodibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	N
2-Nitrobiphenyl	NA	NA	<120	NA	NA	NA	NA	N
4-Nitrobiphenyl	NA	NA	<120	NA	NA	NA	NA	N
Benzyl alcohol	NA	<1,050	NA	NA	NA	NA	NA	N
Aniline	NA	25,500	38,800	44,800	35,200	41,300	31,100	34,50
4-Chloroaniline	NA	39,600	NA	NA	NA	NA	26,200	44,30
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	N
N-nitroaniline	NA	NA	NA	NA	NA	NA	NA	N
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	N
3-Chloroaniline	NA	NA	NA	NA	NA	NA	41,800	25,50
2-Chloroaniline	NA	NA	NA	NA	NA	NA	195,000	<50
Sub Total 2	131,000.0	211,000.0	169,200.0	189,000.0	177,500	243,300	294,100	104,30
Total Base/Neutral Compounds	132,120.0	211,896.0	170,888.3	190,389.6	179,185	245,437	295,086	105,45

See last page for footnotes.

Table A-3. Base/Neutral Compounds in Ground Water, Sauget Site R, Monsanto Company, Sauget Illinois

Well Number:	GM-62A	GM-62A	GM-62A	GM-62B	GM-62B	GM-62B	GM-62B	GM-[illegible]
Sample Date:	8/88	11/88	11/89	8/88	8/88*	11/88	11/89	[illegible]
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	[illegible]
Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
Acenaphthene	<2.0	<2.2	<2.2	<2.2	<2.0	<1.9	<2.0	<10
Acenapthylene	<3.[illegible]	<4.0	<4.1	<4.0	<3.6	<3.6	<3.8	<10
Anthracene	<2.0	[illegible]	<2.2	<2.2	<2.0	<1.9	<2.0	<10
Benzidine	<47		<52	<50	<46	<45	<47	<80
Benzo(a)anthracene	<8.3		<9.2	<8.9	<8.1	<8.0	<8.4	<10
Benzo(a)pyrene	<2.7		<2.9	<2.8	<2.6	<2.6	<2.7	<10
Benzo(b)fluoroanthene	<5.1	[illegible]	<5.6	<5.5	<5.0	<4.9	<5.2	<10
Benzo(ghi)perylene	<4.4	<4.7	<4.8	<4.7	<4.3	<4.2	<4.4	<10
Benzo(k)fluoranthene	<2.7	<2.8	<2.9	<2.8	<3.6	<2.6	<2.7	<10
bis(2-Chloroethoxy)methane	<5.6	<6.0	<6.2	<6.0	<5.5	<5.4	<5.7	<10
bis(2-Chloroethyl)ether	<6.1	<6.5	<6.7	<6.5	<5.9	<5.8	<6.1	<10
bis(2-Chloroisopropyl)ether	<6.1	<6.5	<6.7	<6.5	<5.9	<5.8	<6.1	<10
bis(2-Ethylhexyl)phthalate	<11	<11	<12	<11	<10	<10	<11	<10
4-Bromophenyl phenyl ether	<2.0	<2.2	<2.2	<2.2	<2.0	<1.9	<2.0	<10
Butyl benzyl phthalate	<11	<11	<12	<11	<10	<10	<11	<10
2-Chloronaphthalene	<2.0	<2.2	<2.2	<2.2	<2.0	<1.9	<2.0	<10
4-Chlorophenyl phenyl ether	<4.5	<4.8	<4.9	<4.8	<4.4	<4.3	<4.5	<10
Chrysene	<2.7	<2.8	<2.9	<2.8	<2.6	<2.6	<2.7	<10
Dibenzo(a,h)anthracene	<11	<11	<12	<11	<10	<10	<11	<10
1,2-Dichlorobenzene	<2.0	<2.2	<2.2	<2.2	<2.0	<1.9	<2.0	<10
1,3-Dichlorobenzene	<2.0	<2.2	<2.2	<2.2	<2.0	2.81	<2.0	<10
1,4-Dichlorobenzene	<4.7	<5.0	<5.2	<5.0	<4.6	<4.5	<4.7	<10
3,3-Dichlorobenzidine	<18	<19	<19	<19	<17	<17	<18	<20
Diethylphthalate	<11	<11	<12	<11	<10	<10	<11	<10
Dimethylphthalate	<11	<11	<12	<11	<10	<10	<11	<10
Di-n-butylphthalate	<11	<11	<12	<11	<10	<10	<11	<1[illegible]
2,4-Dinitrotoluene	<6.1	<6.5	<6.7	<6.5	<5.9	<5.8	<6.1	<1[illegible]
2,6-Dinitrotoluene	<2.0	<2.2	<2.2	<2.2	<2.0	<1.9	<2.0	<10
Di-n-octylphthalate	<11	<11	<12	<11	<10	<10	<11	<10
1,2-Diphenylhydrazine	<11	<11	<12	<11	<10	<10	<11	<10
Fluoranthene	<2.3	<2.5	<2.6	<2.5	<2.3	<2.2	<2.4	<10
Fluorene	<2.0	<2.2	<2.2	<2.2	<2.0	<1.9	<2.0	<10
Hexachlorobenzene	<2.0	<2.2	<2.2	<2.2	<2.0	<1.9	<2.0	<10
Hexachlorobutadiene	<.96	<1.0	<1.1	<1.0	<.94	<0.92	<.97	<10
Hexachlorocyclopentadiene	<11	<11	<12	<11	<10	<10	<11	<10
Hexachloroethane	<1.7	<1.8	<1.9	<1.8	<1.7	<1.6	<1.7	<10
Indeno(1,2,3-c,d)pyrene	<5.0	<5.3	<5.5	<5.3	<4.9	<4.8	<5.1	<10
Isophorone	<2.3	<2.5	<2.6	<2.5	<2.3	<2.2	<2.4	<10
Naphthalene	<1.7	NA	<1.9	<1.8	<1.7	<1.6	<1.7	<10
Nitrobenzene	<2.0	<2.2	<2.2	<2.2	<2.0	<1.9	<2.0	<10
N-Nitrosodimethylamine	<11	<11	<12	<11	<10	<10	<11	<10
N-Nitrosodi-n-propylamine	<11	<11	<12	<11	<10	<10	<11	<10
N-Nitrosodiphenylamine	<2.0	<2.2	<2.2	<2.2	<2.0	<1.9	<2.0	<10
Phenanthrene	<5.7	<6.1	<6.4	<6.1	<5.6	<5.5	<5.8	<10
Pyrene	<2.0	<2.2	<2.2	<2.2	<2.0	<1.9	<2.0	<10
1,2,4-Trichlorobenzene	<2.0	<2.2	<2.2	<2.2	<2.0	<1.9	<2.0	<10
Sub Total 1	0	0	0	0	0	3	0	0

See last page for footnotes.

Well Number:	GM-62A	GM-62A	GM-62A	GM-62B	GM-62B	GM-62B	GM-62B	GM-6
Sample Date:	8/88	11/88	11/89	5/88	8/88*	11/88	11/89	**
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	
Miscellaneous Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
2,4-and 3,4-Dinitrochlorobenzene	<11	<11	NA	<11	<10	<10	NA	<
2-Nitroaniline	<11	<11	<12	<11	<10	<10	<11	<
4-Nitroaniline	<11	<11	NA	<11	<10	<10	NA	<
2-Nitrochlorobenzene	<11	<11	NA	<11	<10	<10	NA	<
3-Nitrochlorobenzene	NA	NA	NA	NA	NA	NA	NA	N
4-Nitrochlorobenzene	<11	<11	<12	<11	<10	<10	<11	<
4-Nitrodiphenylamine	<11	<11	NA	<11	<10	<10	NA	<
Triphenylphosphate	<11	<11	NA	<11	<10	<10	NA	<
2,3,7,8-Tetrachlorodibenzo-p-dioxin	NA	NA	<12	NA	NA	NA	<11	N
2-Nitrobiphenyl	NA	NA	<12	NA	NA	NA	<11	N
4-Nitrobiphenyl	NA	NA	<12	NA	NA	NA	<11	N
Benzyl alcohol	NA	NA	<12	NA	NA	NA	<11	N
Aniline	NA	NA	<12	NA	NA	NA	<11	N
4-Chloroaniline	NA	NA	<12	NA	NA	NA	<11	N
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	N
N-nitroaniline	NA	NA	<12	NA	NA	NA	<11	N
Dibenzofuran	NA	NA	<12	NA	NA	NA	<11	N
3-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	N
2-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	N
Sub Total 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Total Base/Neutral Compounds	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0

See last page for footnotes.

Well Number:	GM-62B	GM-62B	GM-62C	GM-62C	GM-62C	GM-62C	GM-106	GM-
Sample Date:	5/89	5/89*	8/88	11/88	5/89	11/89	12/86	5/8
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
Acenaphthene	<2.0	<2.0	<2.0	<2.1	<2.3	<2.0	<2.0	<1.9
Acenapthylene	<3.7	<3.6	<3.6	<3.8	<4.3	<3.8	<3.7	<3.5
Anthracene	<2.0	<2.0	<2.0	<2.1	<2.3	<2.0	<2.0	<1.9
Benzidine	<47	<45	<46	<48	<54	<47	<47	<44
Benzo(a)anthracene	<8.3	<8.0	<8.1	<8.6	<9.5	<8.4	<8.3	<7.9
Benzo(a)pyrene	<2.7	<2.6	<2.6	<2.7	<3.0	<2.7	<2.7	<2.5
Benzo(b)fluoroanthene	<5.1	<4.9	<5.0	<5.3	<5.9	<5.2	<11	<10
Benzo(ghi)perylene	<4.4	<4.2	<4.3	<4.5	<5.0	<4.4	<4.4	<4.1
Benzo(k)fluoranthene	<2.7	<2.6	<3.6	<2.7	<3.0	<2.7	<3.7	<3.5
bis(2-Chloroethoxy)methane	<5.6	<5.5	<5.5	<5.8	<6.5	<5.7	<5.6	<5.4
bis(2-Chloroethyl)ether	<6.1	<5.9	<5.9	<6.3	<7.0	<6.1	<6.1	<5.8
bis(2-Chloroisopropyl)ether	<6.1	<5.9	<5.9	<6.3	<7.0	<6.1	<6.1	<5.8
bis(2-Ethylhexyl)phthalate	<11	<10	<10	13.9	<12	<11	<11	<10
4-Bromophenyl phenyl ether	<2.0	<2.0	<2.0	<2.1	<2.3	<2.0	<2	<1.9
Butyl benzyl phthalate	<11	<10	<10	<11	<12	<11	<11	<10
2-Chloronaphthalene	<2.0	<2.0	<2.0	NA	<2.3	<2.0	<2	<1.9
4-Chlorophenyl phenyl ether	<4.5	<4.3	<4.4	<4.6	<5.1	<4.5	<4.5	<4.2
Chrysene	<2.7	<2.6	<2.6	<2.7	<3.0	<2.7	<2.7	<2.5
Dibenzo(a,h)anthracene	<11	<10	<10	<11	<12	<11	<11	<10
1,2-Dichlorobenzene	<2.0	<2.0	<2.0	<2.1	4.88	3.89	2.7	6.4
1,3-Dichlorobenzene	<2.0	<2.0	<2.0	5.46	<2.3	<2.0	<2	<1.9
1,4-Dichlorobenzene	<4.7	<4.5	<4.6	<4.8	6.80	<4.7	<4.7	<4.4
3,3-Dichlorobenzidine	<18	<17	<17	<18	<20	<18	<18	<17
Diethylphthalate	<11	<10	<10	<11	<12	<11	<11	<10
Dimethylphthalate	<11	<10	<10	<11	<12	<11	<11	<10
Di-n-butylphthalate	<11	<10	<10	<11	<12	<11	<11	<1
2,4-Dinitrotoluene	<6.1	<5.9	<5.9	<6.3	<7.0	<6.1	<6.1	<5.6
2,6-Dinitrotoluene	<2.0	<2.0	<2.0	<2.1	<2.3	<2.0	<2.0	<1.9
Di-n-octylphthalate	<11	<10	<10	<11	<12	<11	<11	<10
1,2-Diphenylhydrazine	<11	<10	<10	<11	<12	<11	<11	<10
Fluoranthene	<2.3	<2.3	<2.3	<2.4	<2.7	<2.4	<2.3	<2.2
Fluorene	<2.0	<2.0	<2.0	<2.1	<2.3	<2.0	<2.0	<1.9
Hexachlorobenzene	<2.0	<2.0	<2.0	<2.1	<2.3	<2.0	<2.0	<1.9
Hexachlorobutadiene	<.96	<0.93	<.94	<.99	<1.1	<.97	<1.0	<0.9
Hexachlorocyclopentadiene	<11	<10	<10	<11	<12	<11	<11	<10
Hexachloroethane	<1.7	<1.6	<1.7	<1.8	<2.0	<1.7	<1.7	<1.6
Indeno(1,2,3-c,d)pyrene	<5.0	<4.8	<4.9	<5.2	<5.7	<5.1	<5.0	<4.7
Isophorone	<2.3	<2.3	<2.3	<2.4	<2.7	<2.4	<2.3	<2.2
Naphthalene	<1.7	<1.6	<1.7	<1.8	<2.0	<1.7	<1.7	2.7
Nitrobenzene	<2.0	<2.0	<2.0	<2.1	<2.3	<2.0	<2.0	<1.9
N-Nitrosodimethylamine	<11	<10	<10	<11	<12	<11	<11	<10
N-Nitrosodi-n-propylamine	<11	<10	<10	<11	<12	<11	<11	<10
N-Nitrosodiphenylamine	<2.0	<2.0	<2.0	<2.1	<2.3	<2.0	<2.0	<1.9
Phenanthrene	<5.7	<5.6	<5.6	<5.9	<6.6	<5.8	<5.7	<5.5
Pyrene	<2.0	<2.0	<2.0	<2.1	<2.3	<2.0	<2.0	<1.9
1,2,4-Trichlorobenzene	<2.0	<2.0	<2.0	<2.1	<2.3	<2.0	<2.0	<1.9
Sub Total 1	0	0	0	19	12	4	2.7	9.1

See last page for footnotes.

Well Number:	GM-62B	GM-62B	GM-62C	GM-62C	GM-62C	GM-62C	GM-106	GM-1
Sample Date:	5/89	5/89*	8/88	11/88	5/89	11/89	11/85	2
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	E
Miscellaneous Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
2,4-and 3,4-Dinitrochlorobenzene	NA	NA	<10	<11	NA	NA	<10	<
2-Nitroaniline	NA	NA	<10	<11	NA	<11	<10	<
4-Nitroaniline	NA	NA	<10	<11	NA	NA	<10	<
2-Nitrochlorobenzene	NA	NA	<10	<11	NA	NA	598	1
3-Nitrochlorobenzene	NA	NA	NA	NA	NA	NA	NA	N
4-Nitrochlorobenzene	NA	NA	<10	<11	NA	<11	108	35
4-Nitrodiphenylamine	NA	NA	<10	<11	NA	NA	<10	<1
Triphenylphosphate	NA	NA	<10	<11	NA	NA	<10	<1
2,3,7,8-Tetrachlorodibenzo-p-dioxin	NA	NA	NA	NA	NA	<11	NA	N
2-Nitrobiphenyl	NA	NA	NA	NA	NA	<11	NA	N
4-Nitrobiphenyl	NA	NA	NA	NA	NA	<11	NA	N
Benzyl alcohol	NA	NA	NA	NA	NA	<11	NA	N
Aniline	NA	NA	NA	NA	NA	<11	NA	N
4-Chloroaniline	NA	NA	NA	NA	NA	<11	NA	N
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	N
N-nitroaniline	NA	NA	NA	NA	NA	<11	NA	N
Dibenzofuran	NA	NA	NA	NA	NA	<11	NA	N
3-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	N
2-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	N
Sub Total 2	0.0	0.0	0.0	0.0	0.0	0.0	706.0	468
Total Base/Neutral Compounds	0.0	0.0	0.0	19.4	11.7	3.9	708.7	477

See last page for footnotes.

Table A-3. Base/Neutral Compounds in Ground Water, Sauget Site R, Monsanto Company, Sauget Illinois

Well Number:	GM-106	GM-106	GM-106	GM-106	GM-106	GM-106	GM-106	GM-10[illegible]
Sample Date:	11/85	2/86	2/86*	11/87	5/88	11/88	11/89	11/90
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
Acenaphthene	<1.9	<2.0	<1.9	<1.9	<39	<19	<220	<1.9
Acenapthylene	<3.5	<3.6	<3.6	<3.5	<72	<35	<400	<3.5
Anthracene	<1.9	<2.0	<1.9	<1.9	<39	<19	<220	<1.9
Benzidine	<44	<45	<45	<44	<910	<440	<5100	<44
Benzo(a)anthracene	<7.9	<8	<8	<7.8	<160	<79	<900	<7.8
Benzo(a)pyrene	<2.5	<2.6	<2.6	<2.5	<52	<25	<290	<2.5
Benzo(b)fluoroanthene	<4.8	<4.9	<4.9	<10	<99	<48	<550	<4.8
Benzo(ghi)perylene	<4.1	<4.2	<4.2	<4.1	<85	<41	<470	<4.1
Benzo(k)fluoranthene	<3.5	<3.6	<3.6	<3.5	<52	<25	<290	<2.5
bis(2-Chloroethoxy)methane	<5.4	<5.5	<5.4	<5.3	<110	<54	<610	<5.3
bis(2-Chloroethyl)ether	<5.8	<5.9	<5.8	<5.7	<120	<58	<660	<5.7
bis(2-Chloroisopropyl)ether	<5.8	<5.9	<5.8	<5.7	<120	<58	<660	<5.7
bis(2-Ethylhexyl)phthalate	<10	<10	<10	<10	<210	<100	<1100	<10
4-Bromophenyl phenyl ether	<1.9	<2	<1.9	<1.9	<39	<19	<220	<1.9
Butyl benzyl phthalate	<10	<10	<10	<10	<210	<100	<1100	<10
2-Chloronaphthalene	<1.9	<2	<1.9	<1.9	<39	<19	<220	<1.9
4-Chlorophenyl phenyl ether	<4.2	<4.3	<4.3	<4.2	<87	<42	<480	<4.2
Chrysene	<2.5	<2.6	<2.6	<2.5	<52	<25	<290	<2.5
Dibenzo(a,h)anthracene	<10	<10	<10	<10	<210	<100	<1100	<2.5
1,2-Dichlorobenzene	<1.9	4.9	4.8	56.6	85.8	126	<220	120
1,3-Dichlorobenzene	<1.9	<2	<1.9	<1.9	<39	<19	<220	4.23
1,4-Dichlorobenzene	<4.4	<4.5	<4.5	10.4	<91	<44	<510	26.8
3,3-Dichlorobenzidine	<17	<17	<17	<17.0	<340	<170	<1900	<16.5
Diethylphthalate	<10	<10	<10	<10	<210	<100	<1100	<10
Dimethylphthalate	<10	<10	<10	<10	<210	<100	<1100	<10
Di-n-butylphthalate	<10	<10	<10	<10	<210	<100	<1100	
2,4-Dinitrotoluene	<5.8	<5.9	<5.8	<5.7	<120	<58	<660	
2,6-Dinitrotoluene	<1.9	<2.0	<1.9	<1.9	<39	<19	<220	<1.9
Di-n-octylphthalate	<10	<10	<10	<10	<210	<100	<1100	<10
1,2-Diphenylhydrazine	<10	<10	<10	<10	<210	<100	<1100	<10
Fluoranthene	<2.2	<2.3	<2.2	<2.2	<45	<22	<250	<2.2
Fluorene	<1.9	<2.0	<1.9	<1.9	<39	<19	<220	<1.9
Hexachlorobenzene	<1.9	<2.0	<1.9	<1.9	<39	<19	<220	<1.9
Hexachlorobutadiene	<0.9	<0.9	<0.9	<0.90	<19	<9.1	<100	<90
Hexachlorocyclopentadiene	<10	<10	<10	<10	<210	<100	<1100	<10
Hexachloroethane	<1.6	<1.6	<1.6	<1.6	<33	<16	<180	<1.6
Indeno(1,2,3-c,d)pyrene	<4.7	<4.8	<4.8	<4.7	<97	<47	<540	<3.7
Isophorone	<2.2	<2.3	<2.2	<2.2	<45	<22	<250	<2.2
Naphthalene	<1.6	<1.6	<1.6	6.35	<33	16.8	<180	11.5
Nitrobenzene	3.3	7.9	8.2	19.8	<39	50.9	<220	132
N-Nitrosodimethylamine	<10	<10	<10	<10	<210	<100	<1100	<10
N-Nitrosodi-n-propylamine	<10	<10	<10	<10	<210	<100	<1100	<10
N-Nitrosodiphenylamine	<1.9	<2.0	<1.9	<1.9	<39	<19	<220	<1.9
Phenanthrene	<5.5	<5.6	<5.5	<5.4	<110	<55	<620	<5.4
Pyrene	<1.9	<2.0	<1.9	<1.9	<39	<19	<220	<1.9
1,2,4-Trichlorobenzene	<1.9	<2.0	<1.9	<1.9	<39	<19	<220	4.75
Sub Total 1	3.3	12.8	13	93.2	85.8	193.7	0	299

See last page for footnotes.

0436

Well Number:	GM-106	GM-106	GM-106	GM-106	GM-106	GM-106	GM-106	GM-10
Sample Date:	2/86*	12/86	5/87	11/87	5/88	11/88	11/89	11 9
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	E
Miscellaneous Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
2,4-and 3,4-Dinitrochlorobenzene	<10	<11	<10	<10	<210	<100	<1100	<1
2-Nitroaniline	<10	<11	<10	<10	<210	<100	<1100	<1
4-Nitroaniline	<10	<11	<10	<10	<210	<100	<1100	<1
2-Nitrochlorobenzene	99.9	1,450	2,670	59,900	5,050	99,000	5,410	66 80
3-Nitrochlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrochlorobenzene	398	172	452	9,950	795	14,300	<1100	1530
4-Nitrodiphenylamine	<10	<11	<10	<10	<210	<100	<1100	<1
Triphenylphosphate	<10	<11	<10	<10	<210	<100	<1100	<1
2,3,7,8-Tetrachlorodibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrobiphenyl	NA	NA	NA	NA	<210	NA	<1100	NA
4-Nitrobiphenyl	NA	NA	NA	NA	<210	NA	<1100	NA
Benzyl alcohol	NA	NA	NA	NA	NA	NA	NA	NA
Aniline	NA	NA	NA	NA	NA	NA	3,420	2,250
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	NA
N-nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA
3-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	497.9	1,622.0	3,122.0	69,850.0	5,845.0	113,300.0	8,830.0	84,350
Total Base/Neutral Compounds	501.2	1,634.8	3,135.0	69,943.2	5,930.8	113,493.7	8,830.0	84 649

See last page for footnotes.

Table A-3. Base/Neutral Compounds in Ground Water, Sauget Site R, Monsanto Company, Sauget Illinois

Well Number:	GM-106	B-24A	B-25A	B-25A	B-25A	B-25B	B-25B	B-
Sample Date:	11/91	2/86	6/84	11/85	3/87	6/84	11/85	3/
Laboratory:	ETC	ETC	EEI	ETC	ETC	EEI	ETC	ETC
Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
Acenaphthene	<38	<2.0	<80	<3.7	<210	<80	<2.0	<2
Acenapthylene	<70	<3.6	<60	<6.9	<390	<60	<3.7	<3
Anthracene	<38	<2.0	<80	<3.7	<210	<80	<2.0	<2
Benzidine	<880	<45	<1,200	<86	<4,900	<1,200	<47	<49
Benzo(a)anthracene	<160	<8	<180	<15	<880	<180	<8.3	<8.7
Benzo(a)pyrene	<50	<2.6	<240	<4.9	<280	<240	<2.7	<2.8
Benzo(b)fluoroanthene	<96	<10	<220	<9.4	<1,100	<220	<5.1	<11
Benzo(ghi)perylene	<82	<4.2	<280	<8.0	<460	<280	<4.4	<4.6
Benzo(k)fluoranthene	<50	<3.6	<220	<6.9	<390	<220	<3.7	<3.9
bis(2-Chloroethoxy)methane	<110	<5.5	<80	<10	<600	<80	<5.6	<5.9
bis(2-Chloroethyl)ether	<110	<5.9	<80	<11	<640	<80	<6.1	<6.3
bis(2-Chloroisopropyl)ether	<110	<5.9	<60	<11	<640	<60	<6.1	<6.3
bis(2-Ethylhexyl)phthalate	<200	<10	<200	61.8	<1,100	<200	<11	13
4-Bromophenyl phenyl ether	<38	<2	<320	<3.7	<210	<320	<2	<2.1
Butyl benzyl phthalate	<200	<10	<260	<20	<1,100	<260	<11	<11
2-Chloronaphthalene	<38	<2	<80	<3.7	<210	<80	<2	<2.1
4-Chlorophenyl phenyl ether	<84	<4.3	<180	<8.2	<470	<180	<4.5	<4.7
Chrysene	<50	<2.6	<180	<4.9	<280	<180	<2.7	<2.8
Dibenzo(a,h)anthracene	<50	<10	<320	<20	<1,100	<320	<11	<11
1,2-Dichlorobenzene	184	180	<100	3,790	8,800	<100	124	2.76
1,3-Dichlorobenzene	<38	2.5	<120	12.6	<210	<120	2.7	<2.1
1,4-Dichlorobenzene	<88	114	35	190	<490	<100	31	<4.9
3,3-Dichlorobenzidine	<330	<17	<3,220	<32	<1,900	<3,220	<18	<18
Diethylphthalate	<200	<10	<80	<20	<1,100	<80	<11	<11
Dimethylphthalate	<200	<10	<80	<20	<1,100	<80	<11	
Di-n-butylphthalate	<200	<10	<60	<20	<1,100	91	<11	<
2,4-Dinitrotoluene	<110	<5.9	<280	<11	<640	<280	<6.1	<6
2,6-Dinitrotoluene	<38	<2.0	<320	<3.7	<210	<320	<2.0	1
Di-n-octylphthalate	<200	<10	<120	<20	<1,100	<120	<11	<11
1,2-Diphenylhydrazine	<200	<10	<200	<20	<1,100	<200	<11	<11
Fluoranthene	<44	<2.3	<100	<4.3	<250	<100	<2.3	<2.4
Fluorene	<38	<2.0	<80	<3.7	<210	<80	<2.0	<2.1
Hexachlorobenzene	<38	<2.0	<300	<3.7	<210	<300	<2.0	<2.1
Hexachlorobutadiene	<18	<0.9	<260	<1.8	<100	<260	<1	<1.0
Hexachlorocyclopentadiene	<200	<10	<240	<20	<1,100	<240	<11	<11
Hexachloroethane	<32	<1.6	<200	<3.1	<180	<200	<1.7	<1.8
Indeno(1,2,3-c,d)pyrene	<74	<4.8	<140	<9.2	<530	<140	<5.0	<5.2
Isophorone	<44	<2.3	<40	<4.3	<250	<40	<2.3	<2.4
Naphthalene	<32	15.7	2,350	193	872	<40	31.7	<1.8
Nitrobenzene	<38	2,850	<100	8,080	12,900	<100	4,030	15.8
N-Nitrosodimethylamine	<200	<10	<200	<20	<1,100	<200	<11	<11
N-Nitrosodi-n-propylamine	<200	<10	<120	<20	<1,100	<120	<11	<11
N-Nitrosodiphenylamine	<38	<2.0	<1,640	<3.7	<210	<1,640	<2.0	<2.1
Phenanthrene	<110	<5.6	<80	<11	<610	<80	<5.7	<6.0
Pyrene	<38	<2.0	<100	<3.7	<210	<100	<2.0	<2.1
1,2,4-Trichlorobenzene	<38	17.2	<140	929	2,170	<140	37.8	<2.1
Sub Total 1	184	3,179	2,385	13,256	24,742	91	4,257.2	31.7

See last page for footnotes.

Well Number:	GM-106	B-24A	B-25A	B-25A	B-25A	B-25B	B-25B	B-2[illegible]
Sample Date:	11/91	2/86	6/84	11/85	3/87	6/84	11/85	3[illegible]
Laboratory:	ETC	ETC	EEI	ETC	ETC	EEI	ETC	E[illegible]
Miscellaneous Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
2,4-and 3,4-Dinitrochlorobenzene	<200	<10	NA	<20	NA	NA	<11	[illegible]
2-Nitroaniline	<200	<10	NA	570	1,160	NA	3,280	<[illegible]
4-Nitroaniline	<200	<10	NA	79.2	<1,100	NA	1,780	<[illegible]
2-Nitrochlorobenzene	<200	368,000	NA	226,000	NA	NA	25,600	[illegible]
3-Nitrochlorobenzene	<200	NA	NA	NA	NA	NA	NA	[illegible]
4-Nitrochlorobenzene	<200	108,000	NA	102,000	NA	NA	15,500	[illegible]
4-Nitrodiphenylamine	<200	161	NA	255	NA	NA	34.5	[illegible]
Triphenylphosphate	<200	<10	NA	412	NA	NA	<11	[illegible]
2,3,7,8-Tetrachlorodibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	[illegible]
2-Nitrobiphenyl	NA	NA	NA	NA	NA	NA	NA	[illegible]
4-Nitrobiphenyl	NA	NA	NA	NA	NA	NA	NA	[illegible]
Benzyl alcohol	NA	334	NA	NA	1,830	NA	NA	<1
Aniline	3,290	1,190	NA	NA	<1,000	NA	NA	[illegible]
4-Chloroaniline	19,900	5,820	NA	NA	5,380	NA	NA	71
2-Methylnaphtalene	NA	NA	NA	NA	<1,000	NA	NA	<1
N-nitroaniline	NA	NA	NA	NA	<1,000	NA	NA	<1
Dibenzofuran	NA	NA	NA	NA	<1,000	NA	NA	<1
3-Chloroaniline	7,820	NA	NA	NA	NA	NA	NA	[illegible]
2-Chloroaniline	10,900	NA	NA	NA	NA	NA	NA	[illegible]
Sub Total 2	41,910	483,505.0	0.0	329,316.2	8,370.0	0.0	46,194.5	730
Total Base/Neutral Compounds	42,094	486,684.4	2,385.0	342,572.6	33,112.0	91.0	50,451.7	761

See last page for footnotes.

Table A-3. Base/Neutral Compounds in Ground Water, Sauget Site R, Monsanto Company, Sauget Illinois

Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)	Well Number: Sample Date: Laboratory: B-27B 9/84** EEI	B-27B 9/84* EEI	B-28A 2/86 ETC	B-28A 3/87 ETC	B-29A 6/84 EEI	B-29A 11/85 ETC	B-29B 6/84 EEI	B-2. 6/84* EE
Acenaphthene	NA	NA	<2.0	<2.0	<80	<3.7	<800	<8C
Acenapthylene	NA	NA	<3.7	<3.8	<60	<6.9	<600	<6C
Anthracene	NA	NA	<2.0	<2.0	<80	<3.7	<800	<8C
Benzidine	NA	NA	<47	<47	<1,200	<86	<12,000	<1,20C
Benzo(a)anthracene	NA	NA	<8.3	<8.4	<180	<15	<1,800	<180
Benzo(a)pyrene	NA	NA	<2.7	<2.7	<240	<4.9	<2,400	<240
Benzo(b)fluoroanthene	NA	NA	<5.1	<11	<220	<9.4	<2,200	<220
Benzo(ghi)perylene	NA	NA	<4.4	<4.4	<280	<8.0	<2,800	<280
Benzo(k)fluoranthene	NA	NA	<3.7	<3.8	<220	<6.9	<2,200	<220
bis(2-Chloroethoxy)methane	NA	NA	<5.6	<5.7	<80	<10	<800	<80
bis(2-Chloroethyl)ether	NA	NA	<6.1	<6.1	<80	<11	<800	<80
bis(2-Chloroisopropyl)ether	NA	NA	<6.1	<6.1	<60	<11	<600	<60
bis(2-Ethylhexyl)phthalate	NA	NA	<11	<11	<200	<20	591	<200
4-Bromophenyl phenyl ether	NA	NA	<2	<2.0	<320	<3.7	<3,200	<320
Butyl benzyl phthalate	NA	NA	<11	<11	<260	<20	<2,600	<260
2-Chloronaphthalene	NA	NA	<2	<2.0	<80	<3.7	<800	<80
4-Chlorophenyl phenyl ether	NA	NA	<4.5	<4.5	<180	<8.2	<1,800	<180
Chrysene	NA	NA	<2.7	<2.7	<180	<4.9	<1,800	<180
Dibenzo(a,h)anthracene	NA	NA	<11	<11	<320	<20	<3,200	<320
1,2-Dichlorobenzene	NA	NA	<2	<2.0	<100	221	1,070	<100
1,3-Dichlorobenzene	NA	NA	<2	<2.0	<120	24	<1,200	<120
1,4-Dichlorobenzene	NA	NA	<4.7	<4.7	<100	73.1	<1,000	240
3,3-Dichlorobenzidine	NA	NA	<18	<18.3	<3,220	<33.3	<32,200	<3,220
Diethylphthalate	NA	NA	<11	<11	<80	<20	<800	<80
Dimethylphthalate	NA	NA	<11	<11	<80	<20	<800	<80
Di-n-butylphthalate	NA	NA	<11	<11	127	<20	304	<8
2,4-Dinitrotoluene	NA	NA	<6.1	<6.1	<280	<11	<2,800	<28C
2,6-Dinitrotoluene	NA	NA	<2.0	<2.0	<320	<3.7	<3,200	<320
Di-n-octylphthalate	NA	NA	<11	<11	<120	<20	<1,200	<120
1,2-Diphenylhydrazine	NA	NA	<11	<11	<200	<20	<2,000	<200
Fluoranthene	NA	NA	<2.3	<2.4	<100	<4.3	<1,000	<100
Fluorene	NA	NA	<2.0	<2.0	<80	<3.7	<800	<80
Hexachlorobenzene	NA	NA	<2.0	<2.0	<300	<3.7	<3,000	<300
Hexachlorobutadiene	NA	NA	<1	<.97	<260	<1.8	<2,600	<260
Hexachlorocyclopentadiene	NA	NA	<11	<11	<240	<20	<2,400	<240
Hexachloroethane	NA	NA	<1.7	<1.7	<200	<3.1	<2,000	<200
Indeno(1,2,3-c,d)pyrene	NA	NA	<5.0	<5.1	<140	<9.2	<1,400	<140
Isophorone	NA	NA	<2.3	<2.4	<40	27.5	<400	<40
Naphthalene	NA	NA	<1.7	<1.7	<40	<3.1	<400	11,600
Nitrobenzene	NA	NA	<2.0	<2.0	<100	1,650	<1,000	<100
N-Nitrosodimethylamine	NA	NA	<11	<11	<200	<20	<2,000	<200
N-Nitrosodi-n-propylamine	NA	NA	<11	<11	<120	<20	<1,200	<120
N-Nitrosodiphenylamine	NA	NA	<2.0	<2.0	<1,640	<3.7	<16,400	<1,640
Phenanthrene	NA	NA	<5.7	<5.8	<80	<11	<800	<80
Pyrene	NA	NA	<2.0	<2.0	<100	<3.7	<1,000	<100
1,2,4-Trichlorobenzene	NA	NA	<2.0	<2.0	<140	25.5	<1,400	<140
Sub Total 1	0.0	0.0	0	0	127	2021.1	1965	11840

See last page for footnotes.

Well Number:	B-27B	B-27B	B-28A	B-28A	B-29A	B-29A	B-29B	B-29B
Sample Date:	9/84**	9/84*	2/86	3/87	6/84	11/85	6/84	6/84
Laboratory:	EEI	EEI	ETC	ETC	EEI	ETC	EEI	EEI
Miscellaneous Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
2,4-and 3,4-Dinitrochlorobenzene	NA	NA	<11	NA	NA	<20	NA	NA
2-Nitroaniline	NA	NA	<11	<11	NA	<20	NA	NA
4-Nitroaniline	NA	NA	<11	<11	NA	189	NA	NA
2-Nitrochlorobenzene	NA	NA	<11	NA	NA	<20	NA	NA
3-Nitrochlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrochlorobenzene	NA	NA	<11	NA	NA	<20	NA	NA
4-Nitrodiphenylamine	NA	NA	<11	NA	NA	628	NA	NA
Triphenylphosphate	NA	NA	<11	NA	NA	132	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrobiphenyl	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrobiphenyl	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl alcohol	NA	NA	NA	<11	NA	NA	NA	NA
Aniline	NA	NA	NA	<11	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	<11	NA	NA	NA	NA
2-Methylnaphtalene	NA	NA	NA	<11	NA	NA	NA	NA
N-nitroaniline	NA	NA	NA	<11	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	<11	NA	NA	NA	NA
3-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	0.0	0.0	0.0	0.0	0.0	949.0	0.0	0.0
Total Base/Neutral Compounds	0.0	0.0	0.0	0.0	127.0	2,970.1	1,965.0	11,840.0

See last page for footnotes.

Table A-3 Base/Neutral Compounds in Ground Water, Sauget Site R, Monsanto Company, Sauget Illinois.

Well Number:	B-29B	B-29B	B-29B	B-30B	B-101	P-1	P-1	[illegible]
Sample Date:	6/84#	11/84	11/85	9/84**	9/84**	9/84**	3/87	[illegible]
Laboratory:	ETC	EEI	ETC	EEI	EEI	EEI	ETC	ETC
Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
Acenaphthene	<100	<50	<3.8	NA	<4	<4	<2.1	<1.9
Acenapthylene	<100	<50	<7.0	NA	<3	<3	<3.9	<3.5
Anthracene	<100	<50	<3.8	NA	<4	<4	<2.1	<1.9
Benzidine	<100	<50	<88	NA	<60	<60	<49	<44
Benzo(a)anthracene	<100	<50	<16	NA	<9	<9	<8.7	<7.8
Benzo(a)pyrene	<100	<50	<5.0	NA	<12	<12	<2.8	<2.5
Benzo(b)fluoroanthene	<100	<50	<9.6	NA	<11	<11	<11	<10
Benzo(ghi)perylene	<100	<50	<8.2	NA	<14	<14	<4.6	<4.1
Benzo(k)fluoranthene	<100	<50	<7.0	NA	<11	<11	<3.9	<3.5
bis(2-Chloroethoxy)methane	<100	<50	<11	NA	<4	<4	<5.9	<5
bis(2-Chloroethyl)ether	<100	<50	<11	NA	<4	<4	<6.3	<5
bis(2-Chloroisopropyl)ether	<100	<50	<11	NA	<3	<3	<6.3	<5.7
bis(2-Ethylhexyl)phthalate	<100	<50	<20	NA	109	4	<11	<10
4-Bromophenyl phenyl ether	<100	<50	<3.8	NA	<16	<16	<2.1	<1.9
Butyl benzyl phthalate	<100	<50	<20	NA	<13	<13	<11	<10
2-Chloronaphthalene	<100	<50	<3.8	NA	<4	<4	<2.1	<1.9
4-Chlorophenyl phenyl ether	<100	<50	<8.4	NA	<9	<9	<4.7	<4.2
Chrysene	<100	<50	<5.0	NA	<9	<9	<2.8	<2.5
Dibenzo(a,h)anthracene	<100	<50	<20	NA	<16	<16	<11	<10
1,2-Dichlorobenzene	13,500	4,200	779	NA	<5	9	<2.1	2.54
1,3-Dichlorobenzene	<100	<50	<3.8	NA	28,500	<6	<2.1	2.11
1,4-Dichlorobenzene	<100	<50	<8.8	NA	<5	1	10.2	18.2
3,3-Dichlorobenzidine	<100	<50	<34	NA	<161	<161	<18	<17
Diethylphthalate	<100	<50	<20	NA	<4	<4	<11	<10
Dimethylphthalate	<100	<50	<20	NA	<4	<4	<11	<10
Di-n-butylphthalate	<100	<50	<20	NA	<3	2	<11	<1[illegible]
2,4-Dinitrotoluene	<100	<50	<11	NA	65,700	<14	<6.3	<5
2,6-Dinitrotoluene	<100	<50	<3.8	NA	<16	<16	<2.1	<1.9
Di-n-octylphthalate	<100	<50	<20	NA	<6	<6	<11	<10
1,2-Diphenylhydrazine	<100	<50	<20	NA	<10	<10	<11	<10
Fluoranthene	<100	<50	<4.4	NA	<5	<5	<2.4	<2.2
Fluorene	<100	<50	<3.8	NA	<4	<4	<2.1	<1.9
Hexachlorobenzene	<100	<50	<3.8	NA	<15	<15	<2.1	<1.9
Hexachlorobutadiene	<100	<50	<1.8	NA	<13	<13	<1.0	<0.90
Hexachlorocyclopentadiene	<100	<50	<20	NA	<12	<12	<11	<10
Hexachloroethane	<100	<50	<3.2	NA	<10	<10	<1.8	<1.6
Indeno(1,2,3-c,d)pyrene	<100	<50	<9.4	NA	<7	<7	<5.2	<4.7
Isophorone	<100	55	76.6	NA	<2	<2	<2.4	<2.2
Naphthalene	<100	125	58.6	NA	<2	<2	<1.8	<1.6
Nitrobenzene	<100	2,170	1,060	NA	<5	<5	<2.1	<1.9
N-Nitrosodimethylamine	<100	<50	<20	NA	<10	<10	<11	<10
N-Nitrosodi-n-propylamine	<100	<50	<20	NA	<6	<6	<11	<10
N-Nitrosodiphenylamine	<100	<50	<3.8	NA	<82	<82	<2.1	<1.9
Phenanthrene	<100	<50	<11	NA	<4	<4	<6.0	<5.4
Pyrene	<100	<50	<3.8	NA	<5	<5	<2.1	<1.9
1,2,4-Trichlorobenzene	<100	520	65.5	NA	<7	1	<2.1	<1.9
Sub Total 1	13,500	7,070	2,040	NA	94,309	17	10.2	22.9

See last page for footnotes.

Well Number:	B-29B	B-29B	B-29B	B-30B	B-101	P-1	P-1	P-
Sample Date:	6/84#	11/84	11/85	9/84**	9/84**	9/84**	3/87	11 8
Laboratory:	ETC	EEI	ETC	EEI	EEI	EEI	ETC	ET
Miscellaneous Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
2,4-and 3,4-Dinitrochlorobenzene	NA	<50	<20	NA	<10	<10	NA	<1
2-Nitroaniline	NA	<50	<20	NA	<25-30	<25-30	<11	<1
4-Nitroaniline	NA	375	601	NA	<25-30	<25-30	<11	<1
2-Nitrochlorobenzene	NA	e)	282	NA	<10	c)	NA	<1
3-Nitrochlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrochlorobenzene	NA	e)	<20	NA	<10	c)	NA	<1
4-Nitrodiphenylamine	NA	601	949	NA	<10	<10	NA	<1
Triphenylphosphate	NA	607	548	NA	<10	<10	NA	<1
2,3,7,8-Tetrachlorodibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrobiphenyl	NA	NA	NA	NA	<10	<10	NA	NA
4-Nitrobiphenyl	NA	NA	NA	NA	<10	<10	NA	NA
Benzyl alcohol	NA	NA	NA	NA	NA	NA	<11	NA
Aniline	NA	NA	NA	NA	NA	NA	<11	NA
4-Chloroaniline	NA	NA	NA	NA	NA	NA	<11	NA
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	<11	NA
N-nitroaniline	NA	NA	NA	NA	NA	NA	<11	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	<11	NA
3-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA
Sub Total 2	0.0	1,583.0	2,380.0	0.0	0.0	0.0	0.0	0.0
Total Base/Neutral Compounds	13,500.0	8,653.0	4,419.7	#VALUE!	94,309.0	17.0	10.2	22.9

See last page for footnotes.

Table A-3. Base/Neutral Compounds in Ground Water, Sauget Site R, Monsanto Company, Sauget Illinois.

Well Number:	P-2	P-2	P-2	P-2	P-2	P-2	P-3	[illegible]
Sample Date:	6/84	11/85	11/87	11/89	11/90	11/91	11/87	[illegible]
Laboratory:	EEI	ETC	ETC	ETC	ETC	ETC	ETC	EE[illegible]
Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
Acenaphthene	<1	<1.9	<2.0	<21	<21	<19	<1.9	<1
Acenapthylene	<1	<3.5	<3.6	<39	<38	<35	<3.5	<1
Anthracene	<1	<1.9	<2.0	<21	<21	<19	<1.9	<1
Benzidine	<1	<44	<45	<490	<480	<440	<44	<1
Benzo(a)anthracene	<1	<7.8	<8.0	<87	<85	<78	<7.8	<1
Benzo(a)pyrene	<1	<2.5	<2.6	<28	<27	<25	<2.5	<1
Benzo(b)fluoroanthene	<1	<4.8	<10	<53	<52	<48	<10	<1
Benzo(ghi)perylene	<1	<4.1	<4.2	<46	<45	<41	<4.1	<1
Benzo(k)fluoranthene	<1	<3.5	<3.6	<28	<27	<25	<3.5	<1
bis(2-Chloroethoxy)methane	<1	<5.3	<5.5	<59	<58	<53	<5.3	<1
bis(2-Chloroethyl)ether	<1	<5.7	<5.9	<63	<62	<57	<5.7	<1
bis(2-Chloroisopropyl)ether	<1	<5.7	<5.9	<63	<62	<57	<5.7	<1
bis(2-Ethylhexyl)phthalate	1	<10	<10	<110	<110	<100	<10	<1
4-Bromophenyl phenyl ether	<1	<1.9	<2.0	<21	<21	<19	<1.9	<1
Butyl benzyl phthalate	<1	<10	<10	<110	<110	<100	<10	<1
2-Chloronaphthalene	<1	<1.9	<2.0	<21	<21	<19	<1.9	<1
4-Chlorophenyl phenyl ether	<1	<4.2	<4.3	<47	<46	<42	<4.2	<1
Chrysene	<1	<2.5	<2.6	<28	<27	<25	<2.5	<1
Dibenzo(a,h)anthracene	<1	<10	<10	<110	<27	<25	<10	<1
1,2-Dichlorobenzene	1	<1.9	4.59	769	5,770	1,890	<1.9	<1
1,3-Dichlorobenzene	<1	<1.9	<2.0	<21	<21	<19	<1.9	<1
1,4-Dichlorobenzene	7	21.4	25.4	64.8	<48	75.0	<4.4	<1
3,3-Dichlorobenzidine	<1	<17	<17	<180	<179	<165	<17	<1
Diethylphthalate	<1	<10	<10	<110	<110	<100	<10	<1
Dimethylphthalate	<1	<10	<10	<110	<110	<100	<10	<1
Di-n-butylphthalate	1	<10	<10	<110	<110	<100	<10	<
2,4-Dinitrotoluene	<1	<5.7	<5.9	<63	<62	<57	<5.7	<
2,6-Dinitrotoluene	<1	<1.9	<2.0	<21	<21	<19	<1.9	<1
Di-n-octylphthalate	<1	<10	<10	<110	<110	<100	<10	<1
1,2-Diphenylhydrazine	<1	<10	<10	<110	<110	<100	<10	<1
Fluoranthene	<1	<2.2	<2.3	<24	<24	<22	<2.2	<1
Fluorene	<1	<1.9	<2.0	<21	<21	<19	<1.9	<1
Hexachlorobenzene	<1	<1.9	<2.0	<21	<21	<19	<1.9	<1
Hexachlorobutadiene	<1	<0.9	<.93	<10	<9.8	<9.0	<0.90	<1
Hexachlorocyclopentadiene	<1	<10	<10	<110	<110	<100	<10	<1
Hexachloroethane	<1	<1.6	<1.6	<18	<17	<16	<1.6	<1
Indeno(1,2,3-c,d)pyrene	<1	<4.7	<4.8	<52	<40	<37	<4.7	<1
Isophorone	<1	<2.2	<2.3	<24	<24	<22	<2.2	<1
Naphthalene	<1	<1.6	<1.6	<18	<17	<16	<1.6	<1
Nitrobenzene	<1	<1.9	<2.0	<21	46.3	<19	<1.9	<1
N-Nitrosodimethylamine	<1	<10	<10	<110	<110	<100	<10	<1
N-Nitrosodi-n-propylamine	<1	<10	<10	<110	<110	<100	<10	<1
N-Nitrosodiphenylamine	<1	<1.9	<2.0	<21	<21	<19	<1.9	<1
Phenanthrene	<1	<5.4	<5.6	<60	<59	<54	<5.4	<1
Pyrene	<1	<1.9	<2.0	<21	<21	<19	<1.9	<1
1,2,4-Trichlorobenzene	<1	<1.9	<2.0	<21	44.9	<19	<1.9	<1
Sub Total 1	10	21.4	30.0	834	5,861	1,965	0	0

See last page for footnotes.

Well Number:	P-2	P-2	P-2	P-2	P-2	P-2	P-3	P
Sample Date:	6/84	11/85	11/87	11/89	11/90	11/91	11/87	6/
Laboratory:	EEI	ETC	ETC	ETC	ETC	ETC	ETC	E
Miscellaneous Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
2,4-and 3,4-Dinitrochlorobenzene	NA	<10	<10	<110	<110	<100	<10	N
2-Nitroaniline	NA	<10	<10	<110	<110	<100	<10	N
4-Nitroaniline	NA	<10	<10	<110	<110	<100	<10	N
2-Nitrochlorobenzene	NA	<10	<10	<110	52,600	179	<10	N
3-Nitrochlorobenzene	NA	NA	NA	NA	NA	865	NA	N
4-Nitrochlorobenzene	NA	<10	<10	<110	98,000	<100	<10	N
4-Nitrodiphenylamine	NA	<10	<10	<110	<110	<100	<10	N
Triphenylphosphate	NA	<10	<10	<110	<110	<100	<10	N
2,3,7,8-Tetrachlorodibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	N
2-Nitrobiphenyl	NA	NA	NA	<110	NA	NA	NA	N
4-Nitrobiphenyl	NA	NA	NA	<110	NA	NA	NA	N
Benzyl alcohol	NA	NA	NA	NA	NA	NA	NA	N
Aniline	NA	NA	NA	35,000	2,400	19,400	NA	N
4-Chloroaniline	NA	NA	NA	NA	NA	50,400	NA	N
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	N
N-nitroaniline	NA	NA	NA	NA	NA	NA	NA	N
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	N
3-Chloroaniline	NA	NA	NA	NA	NA	57,200	NA	N
2-Chloroaniline	NA	NA	NA	NA	NA	72,000	NA	N
Sub Total 2	0.0	0.0	0.0	35,000.0	153,000	200,044	0.0	0
Total Base/Neutral Compounds	10.0	21.4	30.0	35,833.8	158,861	202,009	0.0	0

See last page for footnotes.

Table A-3. Base/Neutral Compounds in Ground Water, Sauget Site R, Monsanto Company, Sauget Illinois.

Well Number:	P-6	P-6	P-6	P-6	P-6	P-7	P-7	[illegible]
Sample Date:	11/85	11/87	11/89	11/90	11/91	6/84	11/85	12/86
Laboratory:	ETC	ETC	ETC	ETC	ETC	EEI	ETC	ETC
Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
Acenaphthene	<2.0	<1.9	<2.0	<1.9	<1.9	<80	<380	<1.9
Acenapthylene	<3.7	<3.5	<3.6	<3.5	<3.5	<60	<710	<3.5
Anthracene	<2.0	<1.9	<2.0	<1.9	<1.9	<80	<380	<1.9
Benzidine	<47	<44	<46	<44	<44	1,940	<8900	<44
Benzo(a)anthracene	<8.3	<7.8	<8.1	<7.8	<7.9	<180	<1600	<7.8
Benzo(a)pyrene	<2.7	<2.5	<2.6	<2.5	<2.5	<240	<510	<2.5
Benzo(b)fluoroanthene	<5.1	<10	<5.0	<4.8	<4.8	<220	<970	<4.8
Benzo(ghi)perylene	<4.4	<4.1	<4.3	<4.1	<4.1	<280	<830	<4.1
Benzo(k)fluoranthene	<3.7	<3.5	<2.6	<2.5	<2.5	<220	<710	<2.5
bis(2-Chloroethoxy)methane	<5.6	<5.3	<5.5	<5.3	<5.4	<80	<1100	<5.3
bis(2-Chloroethyl)ether	<6.1	<5.7	<5.9	<5.7	<5.8	<80	<1200	<5.7
bis(2-Chloroisopropyl)ether	<6.1	<5.7	<5.9	<5.7	<5.8	<60	<1200	<5.7
bis(2-Ethylhexyl)phthalate	<11	<10	<10	<10	<10	21	<2000	<2.5
4-Bromophenyl phenyl ether	<2	<1.9	<2.0	<1.9	<1.9	<320	<380	<1.9
Butyl benzyl phthalate	<11	<10	<10	<10	<10	<260	<2000	<2.5
2-Chloronaphthalene	<2	<1.9	<2.0	<1.9	<1.9	<80	<380	<1.9
4-Chlorophenyl phenyl ether	<4.5	<4.2	<4.4	<4.2	<4.2	<180	<850	<4.2
Chrysene	<2.7	<2.5	<2.6	<2.5	<2.5	<180	<510	<2.5
Dibenzo(a,h)anthracene	<11	<10	<10	<2.5	<2.5	<320	<2000	<2.5
1,2-Dichlorobenzene	<2	2.82	44.6	33.3	11.0	73	531	88.1
1,3-Dichlorobenzene	<2	<1.9	<2.0	<1.9	<1.9	<120	<380	2
1,4-Dichlorobenzene	<4.7	<4.4	53.4	49.9	16.7	64	<890	154
3,3-Dichlorobenzidine	<18	<17	<17	<16.5	<16.7	<3,220	<3300	<16.5
Diethylphthalate	<11	<10	<10	<10	<10	<80	<2000	<1.9
Dimethylphthalate	<11	<10	<10	<10	<10	<80	<2000	<1.9
Di-n-butylphthalate	<11	<10	<10	<10	<10	72	<2000	<2.
2,4-Dinitrotoluene	<6.1	<5.7	<5.9	<5.7	<5.8	<280	<1200	<5.7
2,6-Dinitrotoluene	<2.0	<1.9	<2.0	<1.9	<1.9	<320	<380	<1.9
Di-n-octylphthalate	<11	<10	<10	<10	<10	<120	<2000	<2.5
1,2-Diphenylhydrazine	<11	<10	<10	<10	<10	<200	<2000	<10
Fluoranthene	<2.3	<2.2	<2.3	<2.2	<2.2	<100	<440	<2.2
Fluorene	<2.0	<1.9	<2.0	<1.9	<1.9	<80	<380	<1.9
Hexachlorobenzene	<2.0	<1.9	<2.0	<1.9	<1.9	<300	<380	<1.9
Hexachlorobutadiene	<1.0	<0.90	<.94	<90	<.91	<260	<180	<0.9
Hexachlorocyclopentadiene	<11	<10	<10	<10	<10	<240	<2000	<10
Hexachloroethane	<1.7	<1.6	<1.7	<1.6	<1.6	<200	<320	<1.6
Indeno(1,2,3-c,d)pyrene	<5.0	<4.7	<4.9	<3.7	<3.7	<140	<950	<3.7
Isophorone	<2.3	<2.2	<2.3	<2.2	<2.2	<40	<440	<2.2
Naphthalene	<1.7	<1.6	<1.7	<1.6	<1.6	<40	<320	<1.6
Nitrobenzene	<2.0	<1.9	<2.0	<1.9	<1.9	<100	714	357
N-Nitrosodimethylamine	<11	<10	<10	<10	<10	<200	<2000	<10
N-Nitrosodi-n-propylamine	<11	<10	<10	<10	<10	<120	<2000	<10
N-Nitrosodiphenylamine	<2.0	<1.9	<2.0	<1.9	<1.9	<1,640	<380	<1.9
Phenanthrene	<5.7	<5.4	<5.6	<5.4	<5.5	<80	<1100	<5.4
Pyrene	<2.0	<1.9	<2.0	<1.9	<1.9	<100	<380	<1.9
1,2,4-Trichlorobenzene	<2.0	<1.9	<2.0	<1.9	<1.9	<140	<380	4.8
Sub Total 1	0	2.8	98	83	28	2,170	1,245	605.9

See last page for footnotes.

0426

Well Number:	P-6	P-6	P-6	P-6	P-6	P-7	P-7	P-
Sample Date:	11/85	11/87	11/89	11/90	11/91	6/84	11/85	3/8
Laboratory:	ETC	ETC	ETC	ETC	ETC	EEI	ETC	ET
Miscellaneous Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
2,4-and 3,4-Dinitrochlorobenzene	<11	<10	<10	<10	<10	NA	<2000	N/
2-Nitroaniline	<11	<10	<10	<10	<10	NA	<2000	<1
4-Nitroaniline	<11	<10	<10	<10	<10	NA	<2000	62
2-Nitrochlorobenzene	<11	<10	<10	<10	<10	NA	303,000	N/
3-Nitrochlorobenzene	NA	NA	NA	NA	<10	NA	NA	N/
4-Nitrochlorobenzene	<11	<10	<10	<10	<10	NA	75,000	N/
4-Nitrodiphenylamine	<11	<10	<10	<10	<10	NA	<2000	N/
Triphenylphosphate	<11	<10	<10	<10	<10	NA	<2000	N/
2,3,7,8-Tetrachlorodibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	N/
2-Nitrobiphenyl	NA	NA	<10	NA	NA	NA	NA	N/
4-Nitrobiphenyl	NA	NA	<10	NA	NA	NA	NA	N/
Benzyl alcohol	NA	NA	NA	NA	NA	NA	NA	171
Aniline	NA	NA	10,200	95.5	<10	NA	NA	6,36C
4-Chloroaniline	NA	NA	NA	NA	1,570	NA	NA	15,00C
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	<11
N-nitroaniline	NA	NA	NA	NA	NA	NA	NA	<1
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	<11
3-Chloroaniline	NA	NA	NA	NA	<10	NA	NA	NA
2-Chloroaniline	NA	NA	NA	NA	3,880	NA	NA	NA
Sub Total 2	0.0	0.0	10,200.0	96	5,450	0.0	378,000.0	21,593 2
Total Base/Neutral Compounds	0.0	2.8	10,298.0	179	5,478	2,170.0	379,245.0	22,199 1

See last page for footnotes.

Table A-3. Base/Neutral Compounds in Ground Water, Sauget Site R, Monsanto Company, Sauget Illinois.

Well Number:	P-7	P-7	P-7	P-7	P-7	P-7	P-7	
Sample Date:	3/87	5/87	11/87	5/88	11/88	3/89	11/89	11/90
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
Acenaphthene	<2.1	<38	<1.9	<220	<20	<20	<22	<38
Acenapthylene	<3.8	<70	<3.6	<400	<36	<36	<41	<70
Anthracene	<2.1	<38	<1.9	<220	<20	<20	<22	<38
Benzidine	<48	<880	<45	<5000	<450	<450	<520	<880
Benzo(a)anthracene	<8.6	<160	<8.0	<890	<80	<80	<92	<160
Benzo(a)pyrene	<2.7	<50	<2.6	<290	<26	<26	<29	<50
Benzo(b)fluoroanthene	<11	<200	<10	<550	<49	<49	<56	<96
Benzo(ghi)perylene	<4.5	<82	<4.2	<470	<42	<42	<48	<82
Benzo(k)fluoranthene	<3.8	<70	<3.6	<290	<26	<26	<29	<50
bis(2-Chloroethoxy)methane	<5.8	<110	<5.4	<610	<55	<55	<62	<110
bis(2-Chloroethyl)ether	<6.3	<110	<5.8	<650	<59	<59	<67	<110
bis(2-Chloroisopropyl)ether	<6.3	<110	<5.8	<650	<59	<59	<67	<110
bis(2-Ethylhexyl)phthalate	<11	<200	<10	<1,100	188	<100	<120	<200
4-Bromophenyl phenyl ether	<2.1	<38	<1.9	<220	<20	<20	<22	<38
Butyl benzyl phthalate	<11	<200	<10	<1,100	<100	<100	<120	<200
2-Chloronaphthalene	940	<38	<1.9	<220	<20	<20	<22	<38
4-Chlorophenyl phenyl ether	<4.6	<84	<4.3	<480	<43	<43	<49	<84
Chrysene	<2.7	<50	<2.6	<290	<26	<26	<29	<50
Dibenzo(a,h)anthracene	<11	<200	<10	<1,100	<100	<100	<120	<50
1,2-Dichlorobenzene	346	190	106	424	949	250	781	603
1,3-Dichlorobenzene	7.00	<38	2.29	<220	<20	<20	<22	<38
1,4-Dichlorobenzene	585	321	148	797	1,580	441	1,350	996
3,3-Dichlorobenzidine	<18.7	<330	<17	<1,900	<175	<170	<190	<330
Diethylphthalate	<11	<200	<10	<1,100	<100	<100	<120	<200
Dimethylphthalate	<11	<200	<10	<1,100	<100	<100	<120	<200
Di-n-butylphthalate	<11	<200	<10	<1,100	<100	<100	<120	?
2,4-Dinitrotoluene	<6.3	<110	<5.8	<650	<59	<59	<67	
2,6-Dinitrotoluene	<2.1	<38	<1.9	<220	<20	<20	<22	<38
Di-n-octylphthalate	<11	<200	<10	<1,100	<100	<100	<120	<200
1,2-Diphenylhydrazine	<11	<200	<10	<1,100	<100	<100	<120	<200
Fluoranthene	<2.4	<44	<2.2	<250	<23	<23	<26	<44
Fluorene	<2.1	<38	<1.9	<220	<20	<20	<22	<38
Hexachlorobenzene	<2.1	<38	<1.9	<220	<20	<20	<22	<38
Hexachlorobutadiene	<.99	<18	<.92	<100	<9.3	<9.3	<11	<18
Hexachlorocyclopentadiene	<11	<200	<10	<1,100	<100	<100	<120	<200
Hexachloroethane	<1.8	<32	<1.6	<180	<16	<16	<19	<32
Indeno(1,2,3-c,d)pyrene	<5.2	<94	<4.8	<540	<48	<48	<55	<74
Isophorone	<2.4	<44	<2.2	<250	<23	<23	<26	<44
Naphthalene	7.95	<32	<1.6	<180	<16	<16	<19	<32
Nitrobenzene	113	286	<1.9	6,770	516	473	1,760	1,040
N-Nitrosodimethylamine	<11	<200	<10	<1,100	<100	<100	<120	<200
N-Nitrosodi-n-propylamine	<11	<200	<10	<1,100	<100	<100	<120	<200
N-Nitrosodiphenylamine	<2.1	<38	<1.9	<220	<20	<20	<22	<38
Phenanthrene	<5.9	<110	<5.5	<620	<56	<56	<64	<110
Pyrene	<2.1	<38	<1.9	<220	<20	<20	<22	<38
1,2,4-Trichlorobenzene	33.4	<38	<1.9	<220	117	<20	46.6	39.2
Sub Total 1	2,032.4	797	256.3	7,991	3,350	1,164	3,938	2,678

See last page for footnotes.

0438

Well Number:	P-7	P-7	P-7	P-7	P-7	P-7	P-7	P-
Sample Date:	12/86	5/87	11/87	5/88	11/88	3/89	11/89	11 9
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ET
Miscellaneous Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
2,4-and 3,4-Dinitrochlorobenzene	<10	<200	<10	<1,100	NA	<100	<120	<20
2-Nitroaniline	<10	<200	<10	<1,100	NA	<100	<120	<20
4-Nitroaniline	52	<200	11.3	<1,100	NA	<100	<120	<20
2-Nitrochlorobenzene	27,000	40,800	22,400	64,900	NA	62,600	357,000	196,00
3-Nitrochlorobenzene	NA	NA	NA	NA	NA	NA	NA	N
4-Nitrochlorobenzene	8,590	11,900	5,230	29,100	NA	19,400	90,600	48,10
4-Nitrodiphenylamine	202	<200	160	<1,100	NA	<100	627	<20
Triphenylphosphate	<10	<200	<10	<1,100	NA	NA	<120	<20
2,3,7,8-Tetrachlorodibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	N
2-Nitrobiphenyl	NA	NA	NA	<1,100	NA	NA	<120	N
4-Nitrobiphenyl	NA	NA	NA	<1,100	NA	NA	<120	N
Benzyl alcohol	NA	NA	NA	NA	NA	<1,030	NA	N
Aniline	NA	NA	NA	NA	NA	21,200	22,300	7,23
4-Chloroaniline	NA	NA	NA	NA	NA	51,200	NA	N
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	N
N-nitroaniline	NA	NA	NA	NA	NA	NA	NA	N
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	N
3-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	N
2-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	N
Sub Total 2	35,843.9	52,700.0	27,801.3	94,000.0	0.0	154,400.0	470,527.0	251,33
Total Base/Neutral Compounds	37,876.3	53,497.0	28,057.6	101,991.0	3,350.0	155,564.0	474,464.6	254,00

See last page for footnotes.

Table A-3. Base/Neutral Compounds in Ground Water, Sauget Site R, Monsanto Company, Sauget Illinois

Well Number:	P-7	P-8	P-8	P-8	P-8	P-8	P-8	
Sample Date:	11/91	6/84	11/85	11/87	3/89	11/89	11/90	11/91
Laboratory:	ETC	EEI	ETC	ETC	ETC	ETC	ETC	ETC
Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
Acenaphthene	<2.0	<1	<1.9	<190	<970	<1100	<19	<38
Acenapthylene	<3.6	<1	<3.5	<350	<1800	<2000	<36	<71
Anthracene	<2.0	<1	<1.9	<190	<970	<1100	<19	<38
Benzidine	<45	1	<44	<4400	<22000	<25000	<450	<890
Benzo(a)anthracene	<8.0	<1	<7.8	<790	<4000	<4400	<80	<160
Benzo(a)pyrene	<2.6	<1	<2.5	<250	<1300	<1400	<26	<51
Benzo(b)fluoroanthene	<4.9	<1	<4.8	<1000	<2400	<2700	<49	<97
Benzo(ghi)perylene	<4.2	<1	<4.1	<410	<2100	<2300	<42	<83
Benzo(k)fluoranthene	<2.6	<1	<3.5	<350	<1300	<1400	<26	<51
bis(2-Chloroethoxy)methane	<5.5	<1	<5.3	<530	<2700	<3000	<54	<110
bis(2-Chloroethyl)ether	<5.9	<1	<5.7	<570	<2900	<3200	<58	<120
bis(2-Chloroisopropyl)ether	<5.9	<1	<5.7	<580	<2900	<3200	<58	<120
bis(2-Ethylhexyl)phthalate	<10	19	12.7	<1000	<5100	<5700	<100	<200
4-Bromophenyl phenyl ether	<2.0	<1	<1.9	<190	<970	<1100	<19	<38
Butyl benzyl phthalate	<10	<1	<10	<1000	<5100	<5700	<100	<200
2-Chloronaphthalene	<2.0	<1	<1.9	<190	<970	<1100	<19	<38
4-Chlorophenyl phenyl ether	<4.3	<1	<4.2	<420	<2100	<2400	<43	<85
Chrysene	<2.6	<1	<2.5	<250	<1300	<1400	<26	<51
Dibenzo(a,h)anthracene	<2.6	<1	<10	<1000	<5100	<5700	<26	<51
1,2-Dichlorobenzene	396	1	45.4	<190	<970	<1100	153	172
1,3-Dichlorobenzene	8.68	<1	<1.9	<190	<970	<1100	<19	<38
1,4-Dichlorobenzene	572	12	121	<440	<2200	<2500	265	230
3,3-Dichlorobenzidine	<17.0	<1	<17	<1700	<8400	<9400	<168	<333
Diethylphthalate	<10	<1	<10	<1000	<5100	<5700	<100	<200
Dimethylphthalate	<10	<1	<10	<1000	<5100	<5700	<100	<200
Di-n-butylphthalate	<10	1	<10	<1000	<5100	<5700	<100	<2[illegible]
2,4-Dinitrotoluene	<5.9	<1	<5.7	<570	<2900	<3200	<58	<1[illegible]
2,6-Dinitrotoluene	<2.0	<1	<1.9	<190	<970	<1100	<19	<38
Di-n-octylphthalate	<10	<1	<10	<1000	<5100	<5700	<100	<200
1,2-Diphenylhydrazine	<10	<1	<10	<1000	<5100	<5700	<100	<200
Fluoranthene	<2.3	<1	<2.2	<220	<1100	<1200	<22	<44
Fluorene	<2.0	<1	<1.9	<190	<970	<1100	<19	<38
Hexachlorobenzene	<2.0	<1	<1.9	<190	<970	<1100	<19	<38
Hexachlorobutadiene	<.93	<1	<0.9	<90	<460	<510	<9.2	<18
Hexachlorocyclopentadiene	<10	<1	<10	<1000	<5100	<5700	<100	<200
Hexachloroethane	<1.6	<1	<1.6	<160	<820	<910	<16	<32
Indeno(1,2,3-c,d)pyrene	<3.8	<1	<4.7	<470	<2400	<2700	<38	<75
Isophorone	<2.3	<1	<2.2	<220	<1100	<1200	<22	<44
Naphthalene	7.73	<1	<1.6	<160	<820	<910	<16	<32
Nitrobenzene	169	<1	<1.9	<190	2,220	4,270	2,470	1,940
N-Nitrosodimethylamine	<10	<1	<10	<1000	<5100	<5700	<100	<200
N-Nitrosodi-n-propylamine	<10	<1	<10	<1000	<5100	<5700	<100	<200
N-Nitrosodiphenylamine	<2.0	<1	<1.9	<190	<970	<1100	<19	<38
Phenanthrene	<5.6	<1	<5.4	<540	<2800	<3100	<55	<110
Pyrene	<2.0	<1	<1.9	<190	<970	<1100	<19	<38
1,2,4-Trichlorobenzene	37.7	<1	<1.9	<190	<970	<1100	<19	<38
Sub Total 1	1,191	34	179.1	0	2,220	4,270	2,888	2,342

See last page for footnotes.

Well Number:	P-7	P-8	P-8	P-8	P-8	P-8	P-8	P-
Sample Date:	11/91	6/84	11/85	11/87	3/89	11/89	11/90	11 9
Laboratory:	ETC	EEI	ETC	ETC	ETC	ETC	ETC	E
Miscellaneous Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
2,4-and 3,4-Dinitrochlorobenzene	<10	NA	<10	<1000	<5100	<5700	<100	<20
2-Nitroaniline	<10	NA	<10	<1000	<5100	<5700	<100	<20
4-Nitroaniline	<10	NA	<10	<1000	<5100	<5700	<100	<20
2-Nitrochlorobenzene	29,700	NA	<10	55,100	57,100	463,000	180,000	171 00
3-Nitrochlorobenzene	114,000	NA	NA	NA	NA	NA	NA	461 00
4-Nitrochlorobenzene	4,900	NA	<10	32,400	14,200	185,000	88,500	21 50
4-Nitrodiphenylamine	<10	NA	<10	<1000	<5100	<5700	<100	<20
Triphenylphosphate	<10	NA	<10	<1000	<5100	<5700	<100	<20
2,3,7,8-Tetrachlorodibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrobiphenyl	NA	NA	NA	NA	NA	<5700	NA	NA
4-Nitrobiphenyl	NA	NA	NA	NA	NA	<5700	NA	NA
Benzyl alcohol	NA	NA	NA	NA	<5100	NA	NA	NA
Aniline	3,100	NA	NA	NA	155,000	522,000	160,000	163,00
4-Chloroaniline	12,500	NA	NA	NA	49,100	NA	NA	105,00
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	NA
N-nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA
3-Chloroaniline	3,110	NA	NA	NA	NA	NA	NA	22,50
2-Chloroaniline	58,900	NA	NA	NA	NA	NA	NA	329,00
Sub Total 2	226,210	0.0	0.0	87,500.0	275,400.0	1,170,000.0	428,500	1 273,00
Total Base/Neutral Compounds	227,401	34.0	179.1	87,500.0	277,620.0	1,174,270.0	431,388	1,275,342

See last page for footnotes.

Well Number:	P-10	P-10	P-11	P-11	P-11	P-12	P-12	P
Sample Date:	9/84**	11/87	9/84**	3/87	11/87	9/84**	11/87	6/84
Laboratory:	EEI	ETC	EEI	ETC	ETC	EEI	ETC	EEI
Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
Acenaphthene	<4	<190	<4	<2.1	<2.0	<4	<1.9	<1
Acenapthylene	<3	<350	<3	<3.8	<3.6	<3	<3.5	<1
Anthracene	<4	<190	<4	<2.1	<2.0	<4	<1.9	<1
Benzidine	<60	<4400	<60	<48	<45	<60	<44	<1
Benzo(a)anthracene	<9	<790	<9	<8.6	<8.0	<9	<7.8	<1
Benzo(a)pyrene	<12	<250	<12	<2.7	<2.6	<12	<2.5	<1
Benzo(b)fluoroanthene	<11	<1000	<11	<11	<10	<11	<10	<1
Benzo(ghi)perylene	<14	<410	<14	<4.5	<4.2	<14	<4.1	<1
Benzo(k)fluoranthene	<11	<350	<11	<3.8	<3.6	<11	<3.5	<1
bis(2-Chloroethoxy)methane	<4	<540	<4	<5.8	<5.5	<4	<5.3	<1
bis(2-Chloroethyl)ether	<4	<580	<4	<6.3	<5.9	<4	<5.7	<1
bis(2-Chloroisopropyl)ether	<3	<580	<3	<6.3	<5.9	<3	<5.7	<1
bis(2-Ethylhexyl)phthalate	3	<1000	15	<11	<10	<10	<10	<1
4-Bromophenyl phenyl ether	<16	<190	<16	<2.1	<2.0	<16	<1.9	<1
Butyl benzyl phthalate	<13	<1000	<13	<11	<10	<13	<10	<1
2-Chloronaphthalene	<4	<190	<4	<2.1	<2.0	<4	<1.9	<1
4-Chlorophenyl phenyl ether	<9	<420	<9	<4.6	<4.3	<9	<4.2	<1
Chrysene	<9	<250	<9	<2.7	<2.6	<9	<2.5	<1
Dibenzo(a,h)anthracene	<16	<1000	<16	<11	<10	<16	<10	<1
1,2-Dichlorobenzene	<5	<190	<5	5.4	6.00	61	1,790	<1
1,3-Dichlorobenzene	<6	<190	<6	<2.1	<2.0	<6	<1.9	<1
1,4-Dichlorobenzene	<5	449	74	82.3	111	77	252	1
3,3-Dichlorobenzidine	<161	<1700	<161	<18.7	<17	<161	<17	<1
Diethylphthalate	<4	<1000	<4	<11	<10	<4	<10	<1
Dimethylphthalate	<4	<1000	<4	<11	<10	<4	<10	<1
Di-n-butylphthalate	5	<1000	6	<11	<10	6	<10	<
2,4-Dinitrotoluene	<14	<580	<14	<6.3	<5.9	<14	<5.7	<
2,6-Dinitrotoluene	<16	<190	<16	<2.1	<2.0	<16	<1.9	<1
Di-n-octylphthalate	<6	<1000	<6	<11	<10	<6	<10	<1
1,2-Diphenylhydrazine	<10	<1000	<10	<11	<10	<10	<10	<1
Fluoranthene	<5	<220	<5	<2.4	<2.3	<5	<2.2	<1
Fluorene	<4	<190	<4	<2.1	<2.0	<4	<1.9	<1
Hexachlorobenzene	<15	<190	<15	<2.1	<2.0	<15	<1.9	<1
Hexachlorobutadiene	<13	<91	<13	<.99	<.93	<13	<0.90	<1
Hexachlorocyclopentadiene	<12	<1000	<12	<11	<10	<12	<10	<1
Hexachloroethane	<10	<160	<10	<1.8	<1.6	<10	<1.6	<1
Indeno(1,2,3-c,d)pyrene	<7	<470	<7	<5.2	<4.8	<7	<4.7	<1
Isophorone	<2	<220	<2	<2.4	<2.3	<2	<2.2	<1
Naphthalene	<2	<160	<2	<1.8	<1.6	<2	<1.6	<1
Nitrobenzene	<5	<190	<5	<2.1	<2.0	<5	<1.9	<1
N-Nitrosodimethylamine	<10	<1000	<10	<11	<10	<10	<10	<1
N-Nitrosodi-n-propylamine	<6	<1000	<6	<11	<10	<6	<10	<1
N-Nitrosodiphenylamine	<82	<190	11	<2.1	<2.0	<82	<1.9	<1
Phenanthrene	<4	<550	<4	<5.9	<5.6	<4	<5.4	<1
Pyrene	<5	<190	<5	<2.1	<2.0	<5	<1.9	<1
1,2,4-Trichlorobenzene	<7	<190	<7	<2.1	<2.0	<7	<1.9	<1
Sub Total 1	8	449	106	87.7	117	144	2,042	1

See last page for footnotes.

Well Number:	P-10	P-10	P-11	P-11	P-11	P-12	P-12	P
Sample Date:	9/84**	11/87	9/84**	3/87	11/87	9/84**	11/87	6
Laboratory:	EEI	ETC	EEI	ETC	ETC	EEI	ETC	E
Miscellaneous Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
2,4-and 3,4-Dinitrochlorobenzene	<10	<1000	<10	NA	<10	<10	<10	
2-Nitroaniline	<25-30	<1000	<25-30	<11	<10	<25-30	<10	
4-Nitroaniline	<25-30	<1000	<25-30	<11	<10	<25-30	<10	
2-Nitrochlorobenzene	<10	<1000	<10	NA	<10	<10	<10	
3-Nitrochlorobenzene	NA	NA	NA	NA	NA	NA	NA	
4-Nitrochlorobenzene	<10	<1000	<10	NA	<10	<10	<10	
4-Nitrodiphenylamine	<10	<1000	<10	NA	<10	<10	<10	
Triphenylphosphate	<10	<1000	<10	NA	<10	<10	<10	
2,3,7,8-Tetrachlorodibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	
2-Nitrobiphenyl	<10	NA	<10	NA	NA	<10	NA	
4-Nitrobiphenyl	<10	NA	<10	<11	NA	<10	NA	
Benzyl alcohol	NA	NA	NA	<11	NA	NA	NA	
Aniline	NA	NA	NA	<11	NA	NA	NA	
4-Chloroaniline	NA	NA	NA	4,020	NA	NA	NA	
2-Methylnaphtalene	NA	NA	NA	<11	NA	NA	NA	
N-nitroaniline	NA	NA	NA	<11	NA	NA	NA	
Dibenzofuran	NA	NA	NA	<11	NA	NA	NA	
3-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	
2-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	
Sub Total 2	0.0	0.0	0.0	4,020.0	0.0	0.0	0.0	
Total Base/Neutral Compounds	8.0	449.0	106.0	4,107.7	117.0	144.0	2,042.0	1

See last page for footnotes.

0503

Well Number:	P-13	P-13	P-13	P-13	P-13	P-13	P-13	P-
Sample Date:	6/84*	6/84#	11/85	11/87	11/89	11/90	11/91	5/
Laboratory:	EEI	ETC	ETC	ETC	ETC	ETC	ETC	E
Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
Acenaphthene	<1	<10	<1.9	<1.9	<200	<2.0	<390	
Acenapthylene	<1	<10	<3.5	<3.5	<370	<3.8	<710	
Anthracene	<1	<10	<1.9	<1.9	<200	<2.0	<390	
Benzidine	<1	<10	<44	<44	<4600	<47	<9000	
Benzo(a)anthracene	<1	<10	<7.8	<7.8	<820	<8.4	<1600	
Benzo(a)pyrene	<1	<10	<2.5	<2.5	<260	<2.7	<510	
Benzo(b)fluoroanthene	<1	<10	<4.8	<10	<510	<5.2	<980	
Benzo(ghi)perylene	<1	<10	<4.1	<4.1	<430	<4.4	<840	
Benzo(k)fluoranthene	<1	<10	<3.5	<3.5	<260	<2.7	<510	
bis(2-Chloroethoxy)methane	<1	<10	<5.3	<5.3	<560	<5.7	<1100	
bis(2-Chloroethyl)ether	<1	<10	<5.7	<5.7	<600	<6.1	<1200	
bis(2-Chloroisopropyl)ether	<1	<10	<5.7	<5.7	<600	<6.1	<2000	
bis(2-Ethylhexyl)phthalate	779	<10	<10	<10	<1100	<11	<390	
4-Bromophenyl phenyl ether	<1	<10	<1.9	<1.9	<200	<2.0	<2000	
Butyl benzyl phthalate	<1	<10	<10	<10	<1100	<11	<390	
2-Chloronaphthalene	<1	<10	<1.9	<1.9	<200	<2.0	<860	
4-Chlorophenyl phenyl ether	<1	<10	<4.2	<4.2	<440	<4.5	<510	
Chrysene	<1	<10	<2.5	<2.5	<260	<2.7	<510	
Dibenzo(a,h)anthracene	<1	<10	<2.5	<10	<1100	<2.7	<390	
1,2-Dichlorobenzene	<1	<10	<1.9	<1.9	<200	6.51	<390	
1,3-Dichlorobenzene	<1	<10	<1.9	<1.9	<200	<2.0	<900	
1,4-Dichlorobenzene	4	<10	15.9	22.5	<460	104	<3370	
3,3-Dichlorobenzidine	<1	<10	<17	<17	<1700	<17.7	<2000	
Diethylphthalate	<1	<10	<10	<10	<1100	<11	<2000	
Dimethylphthalate	<1	<10	<10	<10	<1100	<11	<2000	
Di-n-butylphthalate	16	<10	<10	<10	<1100	<11	<1200	
2,4-Dinitrotoluene	<1	<10	<5.7	<5.7	<600	<6.1	<390	
2,6-Dinitrotoluene	<1	<10	<1.9	<1.9	<200	<2.0	<2000	
Di-n-octylphthalate	<1	<10	<10	<10	<1100	<11	<2000	
1,2-Diphenylhydrazine	<1	<10	<10	<10	<1100	<11	<450	
Fluoranthene	<1	<10	<2.2	<2.2	<230	<2.4	<390	
Fluorene	<1	<10	<1.9	<1.9	<200	<2.0	<390	
Hexachlorobenzene	<1	<10	<1.9	<1.9	<200	<2.0	<180	
Hexachlorobutadiene	<1	<10	<0.9	<0.90	<95	<97	<2000	
Hexachlorocyclopentadiene	<1	<10	<10	<10	<1100	<11	<330	
Hexachloroethane	<1	<10	<1.6	<1.6	<170	<1.7	<760	
Indeno(1,2,3-c,d)pyrene	<1	<10	<4.7	<4.7	<490	<4.0	<450	
Isophorone	<1	<10	<2.2	<2.2	<230	<2.4	<330	
Naphthalene	<1	<10	<1.6	<1.6	<170	7.94	<390	
Nitrobenzene	<1	<10	<1.9	<1.9	<200	<2.0	<2000	
N-Nitrosodimethylamine	<1	<10	<10	<10	<1100	<11	<2000	
N-Nitrosodi-n-propylamine	<1	<10	<10	<10	<1100	<11	<390	
N-Nitrosodiphenylamine	<1	<10	4.9	9.00	<200	<2.0	<1100	
Phenanthrene	1	<10	<5.4	<5.4	<570	<5.8	<390	
Pyrene	<1	<10	<1.9	<1.9	<200	<2.0	<390	
1,2,4-Trichlorobenzene	<1	<10	<1.9	<1.9	<200	<2.0	<2000	
Sub Total 1	800	0	20.8	31.5	0	118	0	10

See last page for footnotes.

Well Number:	P-13	P-13	P-13	P-13	P-13	P-13	P-13	P
Sample Date:	6/84*	6/84#	11/85	11/87	11/89	11/90	11/91	5.
Laboratory:	EEI	ETC	ETC	ETC	ETC	ETC	ETC	E
Miscellaneous Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
2,4-and 3,4-Dinitrochlorobenzene	NA	NA	<10	<10	<1100	<11	<2000	
2-Nitroaniline	NA	NA	<10	<10	<1100	<11	<2000	
4-Nitroaniline	NA	NA	<10	<10	<1100	<11	<2000	
2-Nitrochlorobenzene	NA	NA	<10	<10	<1100	<11	<2000	
3-Nitrochlorobenzene	NA	NA	NA	NA	NA	NA	<2000	
4-Nitrochlorobenzene	NA	NA	<10	<10	<1100	<11	<2000	
4-Nitrodiphenylamine	NA	NA	<10	<10	<1100	<11	<2000	
Triphenylphosphate	NA	NA	<10	<10	<1100	<11	<2000	
2,3,7,8-Tetrachlorodibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	NA	
2-Nitrobiphenyl	NA	NA	NA	NA	<1100	NA	NA	
4-Nitrobiphenyl	NA	NA	NA	NA	<1100	NA	NA	
Benzyl alcohol	NA	NA	NA	NA	NA	NA	NA	
Aniline	NA	NA	NA	NA	685000	71,600	288,000	
4-Chloroaniline	NA	NA	NA	NA	NA	NA	9,970	
2-Methylnaphtalene	NA	NA	NA	NA	NA	NA	NA	
N-nitroaniline	NA	NA	NA	NA	NA	NA	NA	
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	
3-Chloroaniline	NA	NA	NA	NA	NA	NA	13,500	
2-Chloroaniline	NA	NA	NA	NA	NA	NA	12,400	
Sub Total 2	0.0	0.0	0.0	0.0	685,000.0	71,600	323,870	0
Total Base/Neutral Compounds	800.0	0.0	20.8	31.5	685,000.0	71,718	323,870	10

See last page for footnotes.

Well Number:	P-14	P-14	P-14	P-14	P-14	Field Blank	Field Blank	F Bla
Sample Date:	11/85	11/87	11/89	11/90	11/91	3/87	11/90	11
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	E
Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
Acenaphthene	<2.0	<1.9	<2.0	<2.0	<1.9	<2.0	<1.9	<
Acenapthylene	<3.6	<3.5	<3.6	<3.8	<3.6	<3.7	<3.5	<
Anthracene	<2.0	<1.9	<2.0	<2.0	<1.9	<2.0	<1.9	<1
Benzidine	<45	<44	<45	<47	<45	<47	<44	<
Benzo(a)anthracene	<8.0	<7.8	<8.0	<8.4	<8.0	<8.3	<7.8	<8
Benzo(a)pyrene	<2.6	<2.5	<2.6	<2.7	<2.6	<2.7	<2.5	<2
Benzo(b)fluoroanthene	<4.9	<10	<4.9	<5.2	<4.9	<11	<4.8	<4
Benzo(ghi)perylene	<4.2	<4.1	<4.2	<4.4	<4.2	<4.4	<4.1	<4
Benzo(k)fluoranthene	<3.6	<3.5	<2.6	<2.7	<2.6	<3.7	<2.5	<2
bis(2-Chloroethoxy)methane	<5.5	<5.3	<5.5	<5.7	<5.4	<5.6	<5.3	<5
bis(2-Chloroethyl)ether	<5.9	<5.7	<5.9	<6.1	<5.8	<6.1	<5.7	<5
bis(2-Chloroisopropyl)ether	<5.9	<5.7	<5.9	<6.1	<5.8	<6.1	<5.7	<5
bis(2-Ethylhexyl)phthalate	<10	<10	<10	<11	<10	<11	<10	<
4-Bromophenyl phenyl ether	<2	<1.9	<2.0	<2.0	<1.9	<2.0	<1.9	<1
Butyl benzyl phthalate	<10	<10	<10	<11	<10	<11	<10	<
2-Chloronaphthalene	<2	<1.9	<2.0	<2.0	<1.9	<2.0	<1.9	<1
4-Chlorophenyl phenyl ether	<4.3	<4.2	<4.3	<4.5	<4.3	<4.5	<4.2	<4
Chrysene	<2.6	<2.5	<2.6	<2.7	<2.6	<2.7	<2.5	<2
Dibenzo(a,h)anthracene	<10	<10	<10	<2.7	<2.6	<11	<2.5	<2
1,2-Dichlorobenzene	18.7	22.0	20.7	29.4	18.2	<2.0	<1.9	<1
1,3-Dichlorobenzene	<2	<1.9	<2.0	<2.0	<1.9	<2.0	<1.9	<1
1,4-Dichlorobenzene	34	35.7	35.5	47.3	28.7	<4.7	<4.4	<4
3,3-Dichlorobenzidine	<17	<17	<17	<17.7	<16.8	<18	<16.5	<16
Diethylphthalate	<10	<10	<10	<11	<10	<11	<10	<1
Dimethylphthalate	<10	<10	<10	<11	<10	<11	<10	<1
Di-n-butylphthalate	<10	<10	<10	<11	<10	<11	<10	<1
2,4-Dinitrotoluene	<5.9	<5.7	<5.9	<6.1	<5.8	<6.1	<5.7	<5
2,6-Dinitrotoluene	<2.0	<1.9	<2.0	<2.0	<1.9	<2.0	<1.9	<1
Di-n-octylphthalate	<10	<10	<10	<11	<10	<11	<10	<1
1,2-Diphenylhydrazine	<10	<10	<10	<11	<10	<11	<10	<1
Fluoranthene	<2.3	<2.2	<2.3	<2.4	<2.2	<2.3	<2.2	<2
Fluorene	<2.0	<1.9	<2.0	<2.0	<1.9	<2.0	<1.9	<1
Hexachlorobenzene	<2.0	<1.9	<2.0	<2.0	<1.9	<2.0	<1.9	<1
Hexachlorobutadiene	<0.9	<0.90	<.93	<97	<.92	<.96	<90	<.9
Hexachlorocyclopentadiene	<10	<10	<10	<11	<10	<11	<10	<1
Hexachloroethane	<1.6	<1.6	<1.6	<1.7	<1.6	<1.7	<1.6	<1
Indeno(1,2,3-c,d)pyrene	<4.8	<4.7	<4.8	<4.0	<3.8	<5.0	<3.7	<3
Isophorone	<2.3	<2.2	<2.3	<2.4	<2.2	<2.3	<2.2	<2
Naphthalene	2.9	<1.6	<1.6	<1.7	<1.6	<1.7	<1.6	<1
Nitrobenzene	<2.0	<1.9	<2.0	<2.0	<1.9	<2.0	<1.9	<1
N-Nitrosodimethylamine	<10	<10	<10	<11	<10	<11	<10	<1
N-Nitrosodi-n-propylamine	<10	<10	<10	<11	<10	<11	<10	<1
N-Nitrosodiphenylamine	<2.0	<1.9	<2.0	<2.0	<1.9	<2.0	<1.9	<1
Phenanthrene	<5.6	<5.4	<5.6	<5.8	<5.5	<5.7	<5.4	<5
Pyrene	<2.0	<1.9	<2.0	<2.0	<1.9	<2.0	<1.9	<1
1,2,4-Trichlorobenzene	<2.0	<1.9	<2.0	<2.0	<1.9	<2.0	<1.9	<1
Sub Total 1	55.6	57.7	56	77	47	0	0	

See last page for footnotes.

Well Number:	P-14	P-14	P-14	P-14	P-14	Field Blank	Field Blank	Fie Blar
Sample Date:	11/85	11/87	11/89	11/90	11/91	3/87	11/90	11 9
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ET
Miscellaneous Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)								
2,4-and 3,4-Dinitrochlorobenzene	<10	<10	<10	<11	<10	NA	<10	N
2-Nitroaniline	<10	<10	<10	<11	<10	<11	<10	N
4-Nitroaniline	<10	<10	<10	<11	<10	<11	<10	N
2-Nitrochlorobenzene	<10	<10	<10	<11	<10	NA	<10	N
3-Nitrochlorobenzene	NA	NA	NA	NA	<10	NA	NA	N
4-Nitrochlorobenzene	<10	<10	<10	<11	<10	NA	<10	N
4-Nitrodiphenylamine	<10	<10	<10	<11	<10	NA	<10	N
Triphenylphosphate	<10	<10	<10	<11	<10	NA	<10	N
2,3,7,8-Tetrachlorodibenzo-p-dioxin	NA	NA	NA	NA	NA	NA	<10	N
2-Nitrobiphenyl	NA	NA	<10	NA	NA	NA	NA	N
4-Nitrobiphenyl	NA	NA	<10	NA	NA	<11	<10	N
Benzyl alcohol	NA	NA	NA	NA	NA	<11	<10	N
Aniline	NA	NA	11.2	<11	<10	<11	NA	N
4-Chloroaniline	NA	NA	NA	NA	<10	<11	<10	N
2-Methylnaphtalene	NA	NA	NA	NA	NA	<11	NA	N
N-nitroaniline	NA	NA	NA	NA	NA	<11	NA	N
Dibenzofuran	NA	NA	NA	NA	NA	<11	NA	N
3-Chloroaniline	NA	NA	NA	NA	<10	NA	NA	N
2-Chloroaniline	NA	NA	NA	NA	103	NA	NA	N
Sub Total 2	0.0	0.0	11.2	0	103	0.0	0	0
Total Base/Neutral Compounds	55.6	57.7	67.4	77	150	0.0	0	0

See last page for footnotes.

Table A-3. Base/Neutral Compounds in Ground Water, Sauget Site R, Monsanto Company, Sauget Illinois.

Well Number:	Trip Blank
Sample Date:	3/87
Laboratory:	ETC
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	<16
Diethylphthalate	<11
Dimethylphthalate	<11
Di-n-butylphthalate	<11
2,4-Dinitrotoluene	<6.3
2,6-Dinitrotoluene	<2.1
Di-n-octylphthalate	<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

See last page for footnotes.

Well Number:	Trip Blank
Sample Date:	3/87
Laboratory:	ETC
Miscellaneous Base/Neutral Extractable Organic Compounds (concentrations are in ug/L)	
2,4-and 3,4-Dinitrochlorobenzene	NA
2-Nitroaniline	<11
4-Nitroaniline	<11
2-Nitrochlorobenzene	NA
3-Nitrochlorobenzene	NA
4-Nitrochlorobenzene	NA
4-Nitrodiphenylamine	NA
Triphenylphosphate	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin	NA
2-Nitrobiphenyl	NA
4-Nitrobiphenyl	<11
Benzyl alcohol	<11
Aniline	<11
4-Chloroaniline	<11
2-Methylnaphtalene	<11
N-nitroaniline	<11
Dibenzofuran	<11
3-Chloroaniline	NA
2-Chloroaniline	NA
Sub Total 2	0.0
Total Base/Neutral Compounds	0.0

NA Not analyzed.
* Replicate sample.
EEI Envirodyne Engineers Inc., St. Louis, Missouri
ETC Environmental Testing and Certification, Edison, New Jersey.
SL Savannah Laboratories and Environmental Testing, Savannah, Georgia.
SLES Savannah Laboratories and Environmental Services, Inc. Savannah, Georgia (formerly Savannah Laboratories and Environmental Testing, Savannah, Georgia).
\+ Tentatively identified with an estimated concentration.
J Estimated value.
D Concentration determined at a secondary dilution factor.
E Compound concentration exceeded the calibration range of the instrument.

Table A-4. Pesticide/PCB Compounds in Ground Water, Sauget Site R, Sauget, Illinois.

Well Designation:	GM-27B	GM-27B	GM-27B	GM-27C	GM-27C	GM-27C	GM-28B	GM-28B	GM-28B	GI [illegible]
Sample Date:	9/84	2/86	11/87	9/84	2/86	11/87	9/84	2/86	11/87	[illegible]89
Laboratory:	EEI	ETC	ETC	EEI	ETC	ETC	EEI	ETC	ETC	ETC
Pesticide/PCB Compounds (concentrations are in ug/L)										
Aldrin	0.016	<2	<2.2	0.034	<1.9	<2.2	<0.004	<1.9	<190	<20
alpha-BHC	<0.002	<10	<11	<0.002	<10	<11	17.5	<10	<1000	<100
beta-BHC	<0.005	<4.5	<5.0	<0.005	<4.5	<5.0	6.0	<4.5	<440	<43
gamma-BHC	<0.003	<10	<11	19.3	<10	<11	42	<10	<100	<100
delta-BHC	<0.004	<3.2	<3.5	0.014	<3.2	<3.5	<0.004	<3.2	<310	<32
Chlordane	<0.061	<10	<11	<0.061	<10	<11	<0.061	<10	<1000	<100
4,4'-DDT	<0.096	<2.9	<3.2	<0.096	<2.9	<3.2	<0.096	<2.9	<280	<29
4,4'-DDE	<0.007	<5.8	<6.4	<0.007	<5.7	<6.4	<0.007	<5.7	<570	<58
4,4'-DDD	<0.007	<4.8	<5.3	<0.007	<4.8	<5.3	<0.007	<4.8	<470	<48
Dieldrin	<0.007	<2.6	<2.8	<0.07	<2.6	<2.8	<0.007	<2.6	<250	<26
Endosulfan I	<0.006	<10	<11	<0.06	<10	<11	<0.006	<10	<1000	<100
Endosulfan II	<1.1	<10	<11	<0.11	<10	<11	<1.1	<10	<1000	<100
Endosulfan sulfate	<4.2	<5.8	<6.4	0.316	<5.7	<6.4	<4.2	<5.7	[illegible]70	<58
Endrin	35.8	<10	<11	15.2	<10	<11	283	<10	[illegible]00	<100
Endrin aldehyde	<0.22	<10	<11	<0.22	<10	<11	0.014	<10	<1000	<100
Heptachlor	0.01	<2	<2.2	0.082	<1.9	<2.2	2.09	<1.9	<190	<20
Heptachlor epoxide	<0.005	<2.3	<2.5	<0.005	<2.2	<2.5	<0.005	<2.3	<220	<23
PCB-1016	<0.034	<37	<41	<0.034	<37	<41	<0.034	<37	<3600	<370
PCB-1221	<0.133	<31	<41	<0.133	<31	<41	<0.133	<31	<3600	<370
PCB-1232	<0.062	<37	<41	<0.062	<37	<41	<0.062	<37	<3600	<370
PCB-1242	<0.082	<37	<41	<0.082	<37	<41	<0.082	<37	<3600	<370
PCB-1248	<0.086	<37	<41	<0.086	<37	<41	<0.086	<37	[illegible]600	<370
PCB-1254	<[illegible]	<37	<41	<0.123	<37	<41	<0.123	<37	<[illegible]600	
PCB-1260	0.94	<37	<41	<0.174	<37	<41	<0.174	<37	<3600	[illegible]
Toxaphene	<0.694	<10	<11	<0.694	<10	<11	<0.694	<10	<1000	<100
Methoxychlor										
Endrin keytone										
Total Pesticide/PCB Compounds	36.766	0	0	34.946	0	0	350.604	0	0	0

See last page for footnotes.

Well Designation:	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-55C	GM-55C	GM-56C	GM-56C	GM-57C
Sample Date:	9/84	2/86	11/87	3/89	3/89 *	11/87	5/88	11/87	5/88	11/87
Laboratory:	EEI	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Pesticide/PCB Compounds (concentrations are in ug/L)										
Aldrin	<0.04	<1.9	<1.9	<1900	<190	<2.0	<45	<190	<120	<210
alpha-BHC	<0.002	<10	<10	<10000	<1000	<10	<240	<1000	<610	<1100
beta-BHC	<0.005	<4.4	<4.4	<4300	<420	<4.6	<99	<450	<260	<480
gamma-BHC	0.04	<10	<10	<10000	<1000	<10	<240	<1000	<610	<1100
delta-BHC	<0.04	<3.1	<3.1	<3200	<310	<3.2	<73	<320	<190	<340
Chlordane	<0.61	<10	<10	<10000	<1000	<10	<240	<1000	<610	<1100
4,4'-DDT	<0.96	<2.8	<2.8	<2900	<280	<2.9	<66	<290	<170	<310
4,4'-DDE	<0.07	<5.7	<5.6	<5700	<560	<5.8	<130	<570	<340	<620
4,4'-DDD	<0.07	<4.7	<4.7	<4800	<470	<4.9	<110	<480	<290	<520
Dieldrin	<0.7	<2.5	<2.5	<2600	<250	<2.6	<59	<260	<150	<270
Endosulfan I	<0.6	<10	<10	<10000	<1000	<10	<240	<1000	<610	<1100
Endosulfan II	<1.1	<10	<10	<10000	<1000	<10	<240	<1000	<610	<1100
Endosulfan sulfate	<4.2	<5.7	<5.6	<5700	<560	<5.8	<130	<570	<340	<620
Endrin	<2.0	<10	<10	<10000	<1000	<10	<240	<1000	<610	<1100
Endrin aldehyde	0.014	<10	<10	<10000	<1000	<10	<240	<1000	<610	<1100
Heptachlor	0.47	<1.9	<1.9	<1900	<190	<2.0	<45	<190	<120	<210
Heptachlor epoxide	<0.05	<2.2	<2.2	<2200	<220	<2.3	<52	<220	<130	<240
PCB-1016	<0.34	<36	<36	<37000	<3600	<38	<850	<3700	<2200	<4000
PCB-1221	<1.33	<30	<36	<37000	<3600	<38	<850	<3700	<2200	<4000
PCB-1232	<0.62	<36	<36	<37000	<3600	<38	<850	<3700	<2200	<4000
PCB-1242	<0.82	<36	<36	<37000	<3600	<38	<850	<3700	<2200	<4000
PCB-1248	<0.86	<36	<36	<37000	<3600	<38	<850	<3700	<2200	<4000
PCB-1254	<1.23	<36	<36	<37000	<3600	<38	<850	<3700	<2200	<4000
PCB-1260	<1.74	<36	<36	<37000	<3600	<38	<850	<3700	<2200	<4000
Toxaphene	<6.94	<10	<10	<10000	<1000	<10	<240	<1000	<610	<1100
Methoxychlor										
Endrin keytone										
Total Pesticide/PCB Compounds	0.524	0	0	0	0	0	0	0	0	0

See last page for footnotes.

0511

Well Designation:	GM-57C	GM-57C	GM-57C	GM-57C	GM-62A	GM-62A	GM-62B	GM-62B	GM-62B	GM
Sample Date:	11/87*	5/88	5/88*	3/89	8/88	11/88	8/88	8/88 *	11/88	11 88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	SL
Pesticide/PCB Compounds (concentrations are in ug/L)										
Aldrin	<220	<96	<98	<20	<2.0	<2.2	<2.2	<2.0	<1.9	<10
alpha-BHC	<1100	<510	<520	<110	<11	<11	<11	<11	<10	<10
beta-BHC	<510	<210	<220	<44	<4.5	<4.8	<4.8	<4.5	<4.3	<40
gamma-BHC	<1100	<510	<520	<110	<11	<11	<11	<11	<10	<10
delta-BHC	<360	<160	<160	<33	<3.3	<3.5	<3.5	<3.3	<3.2	<30
Chlordane	<1100	<510	<520	<110	<11	<11	<11	<11	<10	<20
4,4'-DDT	<320	<140	<140	<29	<3.0	<3.2	<3.2	<3.0	<2.9	<10
4,4'-DDE	<640	<280	<290	<59	<6.0	<6.4	<6.4	<6.0	<5.7	<10
4,4'-DDD	<540	<240	<240	<49	<5.1	<5.3	<5.3	<5.1	<4.8	<10
Dieldrin	<290	<130	<130	<26	<2.7	<2.8	<2.8	<2.7	<2.6	<10
Endosulfan I	<1100	<510	<520	<110	<11	<11	<11	<11	<10	<10
Endosulfan II	<1100	<510	<520	<110	<11	<11	<11	<11	<10	<10
Endosulfan sulfate	<640	<280	<290	<59	<6.0	<6.4	<6.4	<6.0	<5.7	<10
Endrin	<1100	<510	<520	<110	<11	<11	<11	<11	<10	<10
Endrin aldehyde	<1100	<510	<520	<110	<11	<11	<11	<11	<10	<10
Heptachlor	<220	<96	<98	<20	<2.0	<2.2	<2.2	<2.0	<1.9	<10
Heptachlor epoxide	<250	<110	<110	<23	<2.4	<2.5	<2.5	<2.4	<2.2	<10
PCB-1016	<4100	<1800	<1900	<380	<38	<41	<41	<38	<37	<50
PCB-1221	<4100	<1800	<1900	<380	<38	<41	<41	<38	<37	<50
PCB-1232	<4100	<1800	<1900	<380	<38	<41	<41	<38	<37	<50
PCB-1242	<4100	<1800	<1900	<380	<38	<41	<41	<38	<37	<50
PCB-1248	<4100	<1800	<1900	<380	<38	<41	<41	<38	<37	<50
PCB-1254	<4100	<1800	<1900	<380	<38	<41	<41	<38	<37	
PCB-1260	<4100	<1800	<1900	<380	<38	<41	<41	<38	<37	[illegible]
Toxaphene	<1100	<510	<520	<110	<11	<11	<11	<11	<10	<100
Methoxychlor										
Endrin keytone										
Total Pesticide/PCB Compounds	0	0	0	0	0	0	0	0	0	0

See last page for footnotes.

Well Designation:	GM-62C	GM-106	GM-106	GM-106	B-24A	B-25A	B-25A	B-25B	B-26A	B-27B
Sample Date:	11/88	11/85	2/86	2/86*	2/86	6/84	3/87	6/84	3/87	9/84
Laboratory:	ETC	ETC	ETC	ETC	ETC	EEI	ETC	EEI	ETC	EEI
Pesticide/PCB Compounds (concentrations are in ug/L)										
Aldrin	<2.1	<1.9	<2	<1.9	<2	<10	<210	<10	<2.1	<4
alpha-BHC	<11	<10	<10	<10	<10	<10	<1,100	<10	<11	<11
beta-BHC	<4.6	<4.5	<4.5	<4.5	<4.5	<10	<490	<10	<4.9	<5
gamma-BHC	<11	<10	<10	<10	<10	<10	<1,100	<10	<11	<3
delta-BHC	<3.4	<3.2	<3.2	<3.2	<3.2	<10	<350	<10	<3.4	<4
Chlordane	<11	<10	<10	<10	<10	<100	<1,100	<100	<11	<61
4,4'-DDT	<3.1	<2.9	<2.9	<2.9	<2.9	<10	<310	<10	<3.1	<96
4,4'-DDE	<6.2	<5.7	<5.8	<5.7	<5.8	<10	<630	<10	<6.2	<7
4,4'-DDD	<5.2	<4.8	<4.8	<4.8	<4.8	<10	<530	<10	<5.2	<7
Dieldrin	<2.7	<2.6	<2.6	<2.6	<2.6	<10	<280	<10	<2.8	<7
Endosulfan I	<11	<10	<10	<10	<10	<10	<1,100	<10	<11	<6
Endosulfan II	<11	<10	<10	<10	<10	<10	<1,100	<10	<11	<5.5
Endosulfan sulfate	<6.2	<5.7	<5.8	<5.7	<5.8	<10	<630	<10	<6.2	<21
Endrin	<11	<10	<10	<10	<10	<10	<1,100	<10	<11	<20
Endrin aldehyde	<11	<10	<10	<10	<10	<10	<1,100	<10	<11	<22
Heptachlor	<2.1	<1.9	<2	<1.9	<2	<10	<210	<10	<2.1	<4
Heptachlor epoxide	<2.4	<2.2	<2.3	<2.2	<2.3	<10	<250	<10	<2.4	<5
PCB-1016	<40	<37	<37	<37	<37	<50	<4,000	<50	<40	<34
PCB-1221	<40	<31	<31	<31	<31	<50	<4,000	<50	<40	<133
PCB-1232	<40	<37	<37	<37	<37	<50	<4,000	<50	<40	<62
PCB-1242	<40	<37	<37	<37	<37	<50	<4,000	<50	<40	<82
PCB-1248	<40	<37	<37	<37	<37	<50	<4,000	<50	<40	<86
PCB-1254	<40	<37	<37	<37	<37	<50	<4,000	<50	<40	<123
PCB-1260	<40	<37	<37	<37	<37	<50	<4,000	<50	<40	<174
Toxaphene	<11	<10	<10	<10	<10	<250	<1,100	<250	<11	<694
Methoxychlor										
Endrin keytone										
Total Pesticide/PCB Compounds	0	0	0	0	0	0	0	0	0	0

See last page for footnotes.

Table A-4. Pesticide/PCB Compounds in Ground Water, Sauget Site R, Sauget, Illinois.

Well Designation:	B-28A	B-28A	B-29A	B-29B	B-29B	B-29B	B-29B	B-101	P-1	I
Sample Date:	2/86	3/87	6/84	6/84	6/84*	6/84#	11/84	9/84	9/84	3/87
Laboratory:	ETC	ETC	EEI	EEI	EEI	ETC	ETC	EEI	EEI	ETC
Pesticide/PCB Compounds (concentrations are in ug/L)										
Aldrin	<2	<2.0	<10	<10	<10	<100	<50	NA	<0.08	<2.1
alpha-BHC	<11	<11	<10	<10	<10	<100	<50	NA	<0.04	<11
beta-BHC	<4.7	<4.7	<10	<10	<10	<100	<50	NA	<0.1	<4.9
gamma-BHC	<11	<11	<10	<10	<10	<100	<50	NA	<0.06	<11
delta-BHC	<3.3	<3.3	<10	<10	<10	<100	<50	NA	<0.08	<3.4
Chlordane	<11	<11	<100	<100	<100	<100	<50	NA	<1.22	<11
4,4'-DDT	<3	<3.0	<10	<10	<10	<100	<50	NA	<1.92	<3.1
4,4'-DDE	<6	<6.0	<10	<10	<10	<100	<50	NA	<0.14	<6.2
4,4'-DDD	<5	<5.1	<10	<10	<10	<100	<50	NA	<0.14	<5.2
Dieldrin	<2.7	<2.7	<10	<10	<10	<100	<50	<70	<0.007	<2.8
Endosulfan I	<11	<11	<10	<10	<10	<100	<50	<60	<0.006	<11
Endosulfan II	<11	<11	<10	<10	<10	<100	<50	<1.1	<0.011	<11
Endosulfan sulfate	<6	<6.0	<10	<10	<10	<100	<50	<4.2	<0.042	<6.2
Endrin	<11	<11	<10	<10	<10	<100	<50	<200	<0.02	<11
Endrin aldehyde	<11	<11	<10	<10	<10	<100	<50	<220	<0.022	<11
Heptachlor	<2	<2.0	<10	<10	<10	<100	<50	NA	<0.08	<2.1
Heptachlor epoxide	<2.3	<2.4	<10	<10	<10	<100	<50	NA	<0.1	<2.4
PCB-1016	<38	<39	<50	<50	<50	<100	<50	NA	<0.68	<40
PCB-1221	<32	<39	<50	<50	<50	<100	<50	NA	<2.66	<40
PCB-1232	<38	<39	<50	<50	<50	<100	<50	NA	<1.24	<40
PCB-1242	<38	<39	<50	<50	<50	<100	<50	NA	<1.64	<40
PCB-1248	<38	<39	<50	<50	<50	<100	<50	NA	<1.72	<40
PCB-1254	<38	<39	<50	<50	<50	<100	<50	NA	<2.46	
PCB-1260	<38	<39	<50	<50	<50	<100	<50	NA	<3.48	<40
Toxaphene	<11	<11	<250	<250	<250	<100	<50	NA	<13.88	<11
Methoxychlor										
Endrin keytone										
Total Pesticide/PCB Compounds	0	0	0	0	0	0	0	0	0	0

See last page for footnotes.

0514

Table A-4. Pesticide/PCB Compounds in Ground Water, Sauget Site R, Sauget, Illinois.

Well Designation:	P-1	P-2	P-2	P-3	P-6	P-6	P-7	P-7	P-7	P-7
Sample Date:	11/87	6/84	11/87	11/87	6/84	11/87	6/84	3/87	11/87	3/89
Laboratory:	ETC	EEI	ETC	ETC	EEI	ETC	EEI	ETC	ETC	ETC
Pesticide/PCB Compounds (concentrations are in ug/L)										
Aldrin	<1.9	<10	<2.0	<1.9	<10	<1.9	<10	<2.1	<1.9	<20
alpha-BHC	<10	<10	<10	<10	<10	<10	<10	<11	<10	<100
beta-BHC	<4.4	<10	<4.5	<4.4	<10	<4.4	<10	<4.8	<4.5	<43
gamma-BHC	<10	<10	<10	<10	<10	<10	<10	<11	<10	<100
delta-BHC	<3.1	<10	<3.2	<3.1	<10	<3.1	<10	<3.4	<3.2	<32
Chlordane	<10	<100	<10	<10	<100	<10	<100	<11	<10	<100
4,4'-DDT	<2.8	<10	<2.9	<2.8	<10	<2.8	<10	<3.1	<2.9	<29
4,4'-DDE	<5.6	<10	<5.8	<5.6	<10	<5.6	<10	<6.2	<5.7	<58
4,4'-DDD	<4.7	<10	<4.8	<4.7	<10	<4.7	<10	<5.2	<4.8	<48
Dieldrin	<2.5	<10	<2.6	<2.5	<10	<2.5	<10	<2.7	<2.6	<26
Endosulfan I	<10	<10	<10	<10	<10	<10	<10	<11	<10	<100
Endosulfan II	<10	<10	[illegible]	<10	<10	<10	<10	<11	<10	<100
Endosulfan sulfate	<5.6	<10	<5.8	<5.6	<10	<5.6	<10	<6.2	<5.7	<58
Endrin	<10	<10	<10	<10	<10	<10	<10	<11	<10	<100
Endrin aldehyde	<10	<10	<10	<10	<10	<10	<10	<11	<10	<100
Heptachlor	<1.9	<10	<2.0	<1.9	<10	<1.9	<10	<2.1	<1.9	<20
Heptachlor epoxide	<2.2	<10	<2.3	<2.2	<10	<2.2	<10	<2.4	<2.2	<23
PCB-1016	<36	<50	<37	<36	<50	<36	<50	<40	<37	<370
PCB-1221	<36	<50	<37	<36	<50	<36	<50	<40	<37	<370
PCB-1232	<36	<50	<37	<36	<50	<36	<50	<40	<37	<370
PCB-1242	<36	<50	<37	<36	<50	<36	<50	<40	<37	<370
PCB-1248	<36	<50	<37	<36	<50	<36	<50	<40	<37	<370
PCB-1254	<36	<50	<37	<36	<50	<36	<50	<40	<37	<370
PCB-1260	<36	<50	<37	<36	<50	<36	<50	<40	<37	<370
Toxaphene	<10	<250	<10	<10	<250	<10	<250	<11	<10	<100
Methoxychlor										
Endrin keytone										
Total Pesticide/PCB Compounds	0	0	0	0	0	0	0	0	0	0

See last page for footnotes.

Table A-4. Pesticide/PCB Compounds in Ground Water, Sauget Site R, Sauget, Illinois.

Well Designation:	P-8	P-8	P-8	P-10	P-10	P-11	P-11	P-11	P-12	
Sample Date:	6/84	11/87	3/89	9/84	11/87	9/84	3/87	11/87	9/84	11/87
Laboratory:	EEI	ETC	ETC	EEI	ETC	EEI	ETC	ETC	EEI	ETC
Pesticide/PCB Compounds (concentrations are in ug/L)										
Aldrin	<10	<190	<970	<0.04	<190	0.139	<2.1	<2.0	<0.004	<1.9
alpha-BHC	<10	<1000	<5100	0.562	<1000	0.012	<11	<10	<0.002	<10
beta-BHC	<10	<440	<2100	<0.05	<440	<0.005	<4.8	<4.5	<0.005	<4.4
gamma-BHC	<10	<1000	<5100	<0.03	<1000	0.021	<11	<10	<0.003	<10
delta-BHC	<10	<310	<1600	<0.04	<310	0.068	<3.4	<3.2	<0.004	<3.1
Chlordane	<100	<1000	<5100	<0.61	<1000	0.469	<11	<10	<0.061	<10
4,4'-DDT	<10	<280	<1400	<0.96	<280	<0.096	<3.1	<2.9	<0.096	<2.8
4,4'-DDE	<10	<560	<2900	<0.07	<560	<0.07	<6.2	<5.8	<0.007	<5.6
4,4'-DDD	<10	<470	<2400	<0.07	<470	0.148	<5.2	<4.8	<0.007	<4.7
Dieldrin	<10	<250	<1300	<0.07	<250	0.018	<2.7	<2.6	<0.07	<2.5
Endosulfan I	<10	<1000	<5100	<0.06	<1000	<0.006	<11	<10	<0.06	<10
Endosulfan II	<10	<1000	<5100	<0.11	<1000	<0.011	<11	<10	<0.1	<10
Endosulfan sulfate	<10	<560	<2900	<0.42	<570	<0.042	<6.2	<5.8	<0.15	<5.6
Endrin	<10	<1000	<5100	<0.2	<1000	0.135	<11	<10	33.43	<10
Endrin aldehyde	<10	<1000	<5100	<0.22	<1000	<0.022	<11	<10	<0.22	<10
Heptachlor	<10	<190	<970	<0.04	<190	0.301	<2.1	<2.0	0.110	<1.9
Heptachlor epoxide	<10	<220	<1100	<0.05	<220	<0.005	<2.4	<2.3	<0.005	<2.2
PCB-1016	<50	<3600	<18000	<0.34	<3600	<0.034	<40	<37	<0.034	<36
PCB-1221	<50	<3600	<18000	<0.133	<3600	<0.133	<40	<37	<0.133	<36
PCB-1232	<50	<3600	<18000	<0.62	<3600	<0.062	<40	<37	<0.062	<36
PCB-1242	<50	<3600	<18000	<0.82	<3600	<0.082	<40	<37	<0.082	<36
PCB-1248	<50	<3600	<18000	<0.86	<3600	<0.086	<40	<37	<0.086	[illegible]
PCB-1254	<50	<3600	<18000	<1.23	<3600	<0.123	<40	<37	<0.123	
PCB-1260	<50	<3600	<18000	<0.174	<3600	<0.174	<40	<37	<0.174	<36
Toxaphene	<250	<1000	<5100	<6.94	<1000	<0.694	<11	<10	<0.694	<10
Methoxychlor										
Endrin keytone										
Total Pesticide/PCB Compounds	0	0	0	0.562	0	1.311	0	0	33.54	0

See last page for footnotes.

0516

Well Designation:	P-13	P-13	P-13	P-13	P-14	P-14
Sample Date:	6/84	6/84*	6/84	11/87	6/84	11/87
Laboratory:	EEI	EEI	ETC	ETC	EEI	ETC
Pesticide/PCB Compounds (concentrations are in ug/L)						
Aldrin	<10	<10	<10	<1.9	<10	<1.9
alpha-BHC	<10	<10	<10	<10	<10	<10
beta-BHC	<10	<10	<10	<4.4	<10	<4.4
gamma-BHC	<10	<10	<10	<10	<10	<10
delta-BHC	<10	<10	<10	<3.1	<10	<3.1
Chlordane	<100	<100	<10	<10	<100	<10
4,4'-DDT	<10	<10	<10	<2.8	<10	<2.8
4,4'-DDE	<10	<10	<10	<5.6	<10	<5.6
4,4'-DDD	<10	<10	<10	<4.7	<10	<4.7
Dieldrin	<10	<10	<10	<2.5	<10	<2.5
Endosulfan I	<10	<10	<10	<10	<10	<10
Endosulfan II	<10	<10	<10	<10	<10	<10
Endosulfan sulfate	<10	<10	<10	<5.6	<10	<5.6
Endrin	<10	<10	<10	<10	<10	<10
Endrin aldehyde	<10	<10	<10	<10	<10	<10
Heptachlor	<10	<10	<10	<1.9	<10	<1.9
Heptachlor epoxide	<10	<10	<10	<2.2	<10	<2.2
PCB-1016	<50	<50	<10	<36	<50	<36
PCB-1221	<50	<50	<10	<36	<50	<36
PCB-1232	<50	<50	<10	<36	<50	<36
PCB-1242	<50	<50	<10	<36	<50	<36
PCB-1248	<50	<50	<10	<36	<50	<36
PCB-1254	<50	<50	<10	<36	<50	<36
PCB-1260	<50	<50	<10	<36	<50	<36
Toxaphene	<250	<250	<10	<10	<250	<10
Methoxychlor						
Endrin keytone						
Total Pesticide/PCB Compounds	0	0	0	0	0	0

NA Not analyzed.
* Replicate sample.
** In 1992, chlordane was analyzed separately as alpha-chlordane and gamma-chlordane. The sums are the reported values except for P-7 in which the R is denoted for alpha-chlordane only.
EEI Envirodyne Engineers Inc., St. Louis, Missouri.
ETC Environmental Testing and Certification, Edison, New Jersey.
SL Savannah Laboratories and Environmental Testing, Savannah, Georgia.
SLES Savannah Laboratories and Environmental Services, Inc., Savannah, Georgia (formerly Savannah Laboratories and Environmental Testing, Savannah, Georgia).
ug/L Micrograms per liter.
J Estimated value.
N Presumptive evidence of compound present.
R Unusable value.
P Precision criteria were not met.

Well Number:	GM-27B	GM-27B	GM-27B	GM-27B	GM-27B	GM-27B	GM-27B	GM-27B	GM-27B	GM-27B
Sample Date:	9/84	11/85	2/86	12/86	5/87	11/87	5/88	11/89	11/90	11/91
Laboratory:	EEI	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Metals (concentrations are in mg/L, except where noted)										
Antimony	0.012	NA	<0.06	NA	NA	NA	NA	NA	NA	NA
Arsenic	<0.001	NA	<0.01	NA	NA	NA	NA	NA	NA	NA
Beryllium	<0.002	NA	<0.0009	NA	NA	NA	NA	NA	NA	NA
Cadmium	<0.002	NA	<0.003	NA	NA	NA	NA	NA	NA	NA
Chromium	<0.004	NA	<0.008	NA	NA	NA	NA	NA	NA	NA
Copper	<0.004	NA	<0.006	NA	NA	NA	NA	NA	NA	NA
Lead	<0.004	NA	<0.06	NA	NA	NA	NA	NA	NA	NA
Mercury	<0.0002	NA	<0.0002	NA	NA	NA	NA	NA	NA	NA
Nickel	<0.004	NA	<0.009	NA	NA	NA	NA	NA	NA	NA
Selenium	<0.001	NA	<0.005	NA	NA	NA	NA	NA	NA	NA
Silver	<0.01	NA	<0.010	NA	NA	NA	NA	NA	NA	NA
Thallium	0.051	NA	<0.005	NA	NA	NA	NA	NA	NA	NA
Zinc	0.032	NA	0.02	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
pH	7.1	8.4	NA	7.1	7.6	6.8	6.7	7	6.1	6.1
Spec. conductance (umhos/cm)	420	550	410	1,250	350	2,200	2,400	--	4,200	4,740
Temperature (deg. centigrade)	18	12	12	13	20	17	14	16	10	17
Cyanide	NA	<0.025	<0.025	NA	NA	<.025	NA	NA	NA	NA
Phenols	NA	<0.05	0.0636	NA	NA	0.602	NA	NA	NA	NA
Total Organic Carbon (TOX)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	294	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	[illegible]
Chloride	35	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	10	10.4#	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

Well Number:	GM-27C	GM-27C	GM-27C	GM-27C	GM-27C	GM-27C	GM-27C	GM-27C	GM-27C	GM-27C
Sample Date:	9/84	11/85	2/86	12/86	5/87	11/87	5/88	11/88	11/89	11 90
Laboratory:	EEI	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Metals (concentrations are in mg/L, except where noted)										
Antimony	0.011	NA	<0.06	NA	NA	NA	NA	NA	NA	NA
Arsenic	<0.001	NA	<0.01	NA	NA	NA	NA	NA	NA	NA
Beryllium	<0.002	NA	<0.0009	NA	NA	NA	NA	NA	NA	NA
Cadmium	<0.002	NA	<0.003	NA	NA	NA	NA	NA	NA	NA
Chromium	<0.004	NA	<0.008	NA	NA	NA	NA	NA	NA	NA
Copper	<0.004	NA	<0.006	NA	NA	NA	NA	NA	NA	NA
Lead	<0.004	NA	<0.06	NA	NA	NA	NA	NA	NA	NA
Mercury	<0.0002	NA	<0.0002	NA	NA	NA	NA	NA	NA	NA
Nickel	<0.004	NA	0.01	NA	NA	NA	NA	NA	NA	NA
Selenium	<0.001	NA	<0.005	NA	NA	NA	NA	NA	NA	NA
Silver	<0.01	NA	<0.01	NA	NA	NA	NA	NA	NA	NA
Thallium	0.102	NA	<0.005	NA	NA	NA	NA	NA	NA	NA
Zinc	0.07	NA	0.058	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
pH	7.1	6.8	7.0	7.0	7.5	7.1	6.6	6.7	7.3	6 6
Spec. conductance (umhos/cm)	700	1,600	1,000	825	600	2,000	2,900	3,500	–	2,440
Temperature (deg. centigrade)	20	12	12	13	17	17	13	14	16	10
Cyanide	NA	NA	<0.025	NA	NA	<.025	NA	NA	NA	NA
Phenols	NA	0.346	0.152	NA	NA	0.364	NA	NA	NA	NA
Total Organic Carbon (TOX)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	482	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	55	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	18	113.4#	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

Well Number:	GM-27C	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B	GM-28B
Sample Date:	11/91	9/84	11/85	2/86	12/86	5/87	11/87	5/88	3/89	11/89
Laboratory:	ETC	EEI	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	0.015	NA	<0.06	NA	NA	NA	NA	<0.06	NA
Arsenic	NA	<0.001	NA	<0.01	NA	NA	NA	NA	<0.01	NA
Beryllium	NA	<0.002	NA	<0.0009	NA	NA	NA	NA	<0.001	NA
Cadmium	NA	<0.002	NA	<0.003	NA	NA	NA	NA	<0.002	NA
Chromium	NA	<0.004	NA	<0.008	NA	NA	NA	NA	<0.01	NA
Copper	NA	<0.004	NA	<0.006	NA	NA	NA	NA	<0.01	NA
Lead	NA	<0.004	NA	<0.06	NA	NA	NA	NA	<0.075	NA
Mercury	NA	<0.0002	NA	<0.0002	NA	NA	NA	NA	<0.0002	NA
Nickel	NA	<0.004	NA	0.01	NA	NA	NA	NA	<0.02	NA
Selenium	NA	<0.001	NA	<0.005	NA	NA	NA	NA	<0.005	NA
Silver	NA	<0.01	NA	<0.01	NA	NA	NA	NA	<0.01	NA
Thallium	NA	0.106	NA	<0.005	NA	NA	NA	NA	<0.01	NA
Zinc	NA	0.038	NA	0.04	NA	NA	NA	NA	<0.15	NA
Miscellaneous Parameters										
pH	6.8	7.2	6.7	NA	7.0	7.1	7.0	6.9	6.9	7.5
Spec. conductance (umhos/cm)	3,900	1,100	2,500	1,230	1,100	1,700	2,300	1,750	1,900	–
Temperature (deg. centigrade)	17	19	NA	13	13	16	16	13	14	14
Cyanide	NA	NA	<0.025	<0.025	NA	NA	0.027	NA	<0.025	NA
Phenols	NA	NA	5.5	3.76	NA	NA	NA	NA	11.4	NA
Total Organic Carbon (TOX)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	NA	832	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	175	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	NA	114	182#	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

Well Number:	GM-28B	GM-28B	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C
Sample Date:	11/90	11/91	9/84	11/85	2/86	12/86	5/87	11/87	5/88	11 88
Laboratory:	ETC	ETC	EEI	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	0.039	NA	<0.06	NA	NA	NA	NA	NA
Arsenic	NA	NA	0.002	NA	<0.01	NA	NA	NA	NA	NA
Beryllium	NA	NA	<0.002	NA	<0.0009	NA	NA	NA	NA	NA
Cadmium	NA	NA	0.003	NA	<0.003	NA	NA	NA	NA	NA
Chromium	NA	NA	<0.004	NA	<0.008	NA	NA	NA	NA	NA
Copper	NA	NA	<0.004	NA	<0.006	NA	NA	NA	NA	NA
Lead	NA	NA	<0.004	NA	<0.06	NA	NA	NA	NA	NA
Mercury	NA	NA	<0.0002	NA	<0.0002	NA	NA	NA	NA	NA
Nickel	NA	NA	0.007	NA	<0.009	NA	NA	NA	NA	NA
Selenium	NA	NA	<0.001	NA	<0.005	NA	NA	NA	NA	NA
Silver	NA	NA	<0.01	NA	<0.01	NA	NA	NA	NA	NA
Thallium	NA	NA	0.279	NA	<0.005	NA	NA	NA	NA	NA
Zinc	NA	NA	0.043	NA	0.16	NA	NA	NA	NA	NA
Miscellaneous Parameters										
pH	6.4	6.8	6.9	7.3	NA	7.0	6.8	6.7	6.9	7.1
Spec. conductance (umhos/cm)	2,280	1,245	2,500	2,500	1,290	2,200	2,150	1,500	1,400	1 600
Temperature (deg. centigrade)	11	16	19	NA	10	12	16	17	13	15
Cyanide	NA	NA	NA	<0.025	<0.025	NA	NA	0.028	NA	NA
Phenols	NA	NA	NA	1.036	1.980	NA	NA	NA	NA	NA
Total Organic Carbon (TOX)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	NA	720	2,250	NA	NA	NA	NA	NA	NA	NA
Bicarbonate, as CACO3	NA	NA	NA	820	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	228	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	705	384	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	NA	NA	252	188#	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	85.2	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	66.6	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	11.9	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	232	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	16	NA	NA	NA	NA	NA	NA
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
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

0521

Well Number:	GM-28C	GM-28C	GM-28C	GM-28C	GM-28C	GM-55C	GM-55C	GM-55C	GM-55C	GM-55C
Sample Date:	3/89	3/89 *	11/89	11/90	11/91	11/87	5/88	11/88	11/89	11/90
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Metals (concentrations are in mg/L, except where noted)										
Antimony	<0.06	<0.06	NA	NA	NA	<.066	<.076	NA	NA	NA
Arsenic	<0.05	<0.01	NA	NA	NA	<.010	0.012	NA	NA	NA
Beryllium	<0.001	<0.001	NA	NA	NA	<.00064	<.0004	NA	NA	NA
Cadmium	<0.002	<0.002	NA	NA	NA	<.0023	<.003	NA	NA	NA
Chromium	<0.01	<0.01	NA	NA	NA	<.015	0.056	NA	NA	NA
Copper	<0.01	<0.01	NA	NA	NA	<.016	<.008	NA	NA	NA
Lead	<0.075	<0.075	NA	NA	NA	<.063	<.052	NA	NA	NA
Mercury	<0.0002	<0.0002	NA	NA	NA	<.00024	<.0002	NA	NA	NA
Nickel	<0.02	<0.02	NA	NA	NA	0.019	<.009	NA	NA	NA
Selenium	<0.005	<0.005	NA	NA	NA	<.005	<.005	NA	NA	NA
Silver	<0.01	<0.01	NA	NA	NA	<.011	<.006	NA	NA	NA
Thallium	<0.01	<0.01	NA	NA	NA	<.010	<.010	NA	NA	NA
Zinc	0.035	0.053	NA	NA	NA	<.020	0.035	NA	NA	NA
Miscellaneous Parameters										
pH	6.9	6.9	7.2	6.4	6.0	7.0	7.1	7.2	6.7	7.0
Spec. conductance (umhos/cm)	2,200	2,200	–	2,320	1,860	1,400	1,200	1,500	–	1,990
Temperature (deg. centigrade)	14	14	14	11	17	17	13	15	15	10
Cyanide	<0.025	0.035	NA	NA	NA	<.025	<.025	NA	NA	NA
Phenols	3.07	2.84	NA	NA	NA	0.167	2.6	NA	NA	NA
Total Organic Carbon (TOX)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	NA	NA	NA	NA	890	NA	NA	NA	NA	
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

Well Number:	GM-55C	GM-56C	GM-56C	GM-56C	GM-56C	GM-56C	GM-56C	GM-57C	GM-57C	GM-57C
Sample Date:	11/91	11/87	5/88	11/88	11/89	11/90	11/91	11/87	11/87*	5/88
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	< 080	< 076	NA	NA	NA	NA	< 080	< 080	0 090
Arsenic	NA	< 010	< 010	NA	NA	NA	NA	< 010	< 010	< 010
Beryllium	NA	< 00078	< 0004	NA	NA	NA	NA	< 00078	< 00078	< 0004
Cadmium	NA	< 0055	< 003	NA	NA	NA	NA	< 0055	< 0055	< 003
Chromium	NA	< 032	0.050	NA	NA	NA	NA	< 032	< 032	0 089
Copper	NA	< 012	< 008	NA	NA	NA	NA	< 012	< 012	< 008
Lead	NA	< 062	< 052	NA	NA	NA	NA	< 062	< 062	< 052
Mercury	NA	< 00020	< 0002	NA	NA	NA	NA	< 00020	< 00020	< 0002
Nickel	NA	< 015	0.011	NA	NA	NA	NA	< 015	0.029	0 032
Selenium	NA	< 005	< 005	NA	NA	NA	NA	< 005	< 005	< 005
Silver	NA	< 027	< 006	NA	NA	NA	NA	< 027	< 027	< 006
Thallium	NA	< 010	< 010	NA	NA	NA	NA	< 010	< 010	< 010
Zinc	NA	0.100	0.034	NA	NA	NA	NA	0.037	0 042	0.082
Miscellaneous Parameters										
pH	5.6	6.8	6.8	6.9	6.8	6.6	7.0	6.6	6.6	6 7
Spec. conductance (umhos/cm)	2,340	1,200	2,100	2,200	–	2,470	1,970	3,200	3,200	2,900
Temperature (deg. centigrade)	16	15	13	15	15	15	17	16	16	13
Cyanide	NA	0.063	< 025	NA	NA	NA	NA	0.035	0.037	< 025
Phenols	NA	17.0	10.4	NA	NA	NA	NA	74.5	71.5	45.8
Total Organic Carbon (TOX)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

0523

Well Number:	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-57C	GM-62A	GM-62A	GM-62A
Sample Date:	5/88*	11/88	3/89	11/89	11/90	11/90*	11/91	8/88	11/88	11/91
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Metals (concentrations are in mg/L, except where noted)										
Antimony	0.096	NA	<0.06	NA	NA	NA	NA	< 060	<0.060	NA
Arsenic	< 010	NA	<0.01	NA	NA	NA	NA	< 010	<0.010	NA
Beryllium	<.0004	NA	<0.001	NA	NA	NA	NA	< 001	<0.001	NA
Cadmium	<.003	NA	<0.002	NA	NA	NA	NA	< 002	<0.002	NA
Chromium	0.087	NA	<0.01	NA	NA	NA	NA	< 010	<0.010	NA
Copper	< 008	NA	<0.01	NA	NA	NA	NA	< 010	<0.010	NA
Lead	<.052	NA	<0.075	NA	NA	NA	NA	<.075	< 075	NA
Mercury	<.0002	NA	<0.0002	NA	NA	NA	NA	< 0002	<0.0002	NA
Nickel	0.030	NA	<0.02	NA	NA	NA	NA	< 020	<0.020	NA
Selenium	<.005	NA	<0.005	NA	NA	NA	NA	< 005	<0.005	NA
Silver	0.006	NA	<0.01	NA	NA	NA	NA	< 010	<0.010	NA
Thallium	< 010	NA	<0.01	NA	NA	NA	NA	< 010	<0.010	NA
Zinc	0.082	NA	0.087	NA	NA	NA	NA	0.079	0.051	NA
Miscellaneous Parameters										
pH	7.2	6.7	6.7	6.4	6.3	6.3	6.7	7.0	6.8	6.3
Spec. conductance (umhos/cm)	800	2,800	2,900	1,500	2,540	2,540	2,770	600	1,200	1,620
Temperature (deg. centigrade)	15	15	14	14	10	10	17	18	15	16
Cyanide	<.025	NA	<0.025	NA	NA	NA	NA	<0.025	<0.025	NA
Phenols	49.6	NA	11.1	NA	NA	NA	NA	<0.050	<0.050	NA
Total Organic Carbon (TOX)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	NA	NA	NA	NA	NA	NA	NA	NA	NA	[illegible]
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	N[illegible]
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	N[illegible]
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

0524

Well Number:	GM-62B	GM-62B	GM-62B	GM-62B	GM-62B	GM-62B	GM-62C	GM-62C	GM-62C	GM-62C
Sample Date:	8/88	8/88*	11/88	11/88	5/89	11/91	8/88	11/88	5/89	11/91
Laboratory:	ETC	ETC	ETC	SL	SL	ETC	ETC	ETC	ETC	ETC
Metals (concentrations are in mg/L, except where noted)										
Antimony	<.060	<.060	<0.060	<0.05	NA	NA	<.060	<0.060	NA	NA
Arsenic	<.010	<.010	<0.010	<0.01	NA	NA	<.010	<0.010	NA	NA
Beryllium	<.001	<.001	<0.001	<0.005	NA	NA	<.001	<0.001	NA	NA
Cadmium	<.002	<.002	<0.002	<0.005	NA	NA	<.002	<0.002	NA	NA
Chromium	<.010	<.010	<0.010	<0.01	NA	NA	<.010	<0.010	NA	NA
Copper	<.010	<.010	<0.010	0.015	NA	NA	<.010	<0.010	NA	NA
Lead	<.075	<.075	<.075	<0.005	NA	NA	<.075	<.075	NA	NA
Mercury	<.0002	<.0002	<0.0002	<0.0002	NA	NA	<.0002	<0.0002	NA	NA
Nickel	0.022	0.021	<0.020	<0.01	NA	NA	<0.020	<0.020	NA	NA
Selenium	<.005	<.005	<0.005	<0.01	NA	NA	<.005	<0.025	NA	NA
Silver	<.010	<.010	<0.010	<0.01	NA	NA	<.010	<0.010	NA	NA
Thallium	<.010	<.010	<0.010	<0.01	NA	NA	<.010	<0.010	NA	NA
Zinc	0.110	0.057	0.053	0.17	NA	NA	0.110	0.130	NA	NA
Miscellaneous Parameters										
pH	7.5	NA	7.2	NA	NA	6.6	8.7	7.0	NA	5.2
Spec. conductance (umhos/cm)	650	NA	1,900	NA	NA	2,400	600	2,100	NA	2,490
Temperature (deg. centigrade)	19	NA	14	NA	16	17	18	14	16	17
Cyanide	<0.025	<0.025	<0.025	<0.01	NA	NA	<0.025	<0.025	NA	NA
Phenols	<0.050	<0.050	<0.050	0.06	NA	NA	<0.050	<0.050	NA	NA
Total Organic Carbon (TOX)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

Well Number:	GM-[illegible]	[illegible]06	GM-106	GM-106	GM-106	GM-106	GM-106	GM-106	GM-106	GM-106
Sample Date:	11/8[illegible]		2/86*	12/86	5/87	11/87	5/88	11/88	11/89	11/90
Laboratory:	ETC		ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Metals (concentrations are in mg/L, except where noted)										
Antimony	<0.06	<0.050	<0.050	NA	NA	NA	NA	NA	NA	NA
Arsenic	<0.01	<0.010	<0.010	NA	NA	NA	NA	NA	NA	NA
Beryllium	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA
Cadmium	<0.004	<0.003	<0.003	NA	NA	NA	NA	NA	NA	NA
Chromium	<0.02	<0.010	<0.010	NA	NA	NA	NA	NA	NA	NA
Copper	<0.01	<0.009	<0.009	NA	NA	NA	NA	NA	NA	NA
Lead	<0.05	<0.06	<0.060	NA	NA	NA	NA	NA	NA	NA
Mercury	<0.0002	<0.0002	<0.0002	NA	NA	NA	NA	NA	NA	NA
Nickel	<0.02	<0.01	<0.010	NA	NA	NA	NA	NA	NA	NA
Selenium	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA
Silver	<0.008	<0.010	<0.010	NA	NA	NA	NA	NA	NA	NA
Thallium	<0.005	<0.010	<0.005	NA	NA	NA	NA	NA	NA	NA
Zinc	<0.02	0.030	0.050	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
pH	7.5	7.6	7.6	7.7	7.9	7.8	8.5	7.7	9.6	7.3
Spec. conductance (umhos/cm)	1,300	1,060	1,060	1,475	1,150	1,400	1,000	1,500	–	1640
Temperature (deg. centigrade)	12	14	14	13	15	11	15	15	15	10
Cyanide	0.24	0.172	0.179	NA	NA	NA	NA	NA	NA	NA
Phenols	0.19	0.4	0.4	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOX)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	100#	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	[illegible]	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	[illegible]	NA	NA	NA	NA	NA	NA	NA	NA
Tin	NA		NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	[illegible]	NA	NA	NA	NA	NA	NA	NA	NA
Boron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

0526

Well Number:	GM-106	B-21B	B-21B	B-21B	B-21B	B-22A	B-22A	B-22A	B-22A	B-22B
Sample Date:	11/91	1/84	2/84	3/84	5/84	1/84	2/84	3/84	5/84	1/84
Laboratory:	ETC	EEI	EEI	EEI	EEI	EEI	EEI	EEI	EEI	EEI
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	8.1	6.0	6.6	6.6	7.0	6.5	6.7	6.5	6.5	6.0
Spec. conductance (umhos/cm)	1840	4,100	1,850	3,150	3,350	2,750	1,300	3,200	4,200	2,050
Temperature (deg. centigrade)	16	14.5	16.5	15.5	16	13.0	14	15	14.0	16.0
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenols	NA	530#	630	380	380	21	35	28.5#	59	150
Total Organic Carbon (TOX)	NA	260	490	440	540	330	92#	70	130	120
Total Dissolved Solids (TDS)	990	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	NA	630	750	1,600	1,600	NA	130	390	300	230
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

Well Number:	B-22B	B-22B	B-22B	B-24A	B-24A	B-24A	B-24A	B-24A	B-24B	B-24B
Sample Date:	2/84	3/84	5/84	1/84	2/84	3/84	5/84	2/86	1/84	2/84
Laboratory:	EEI	EEI	EEI	EEI	EEI	EEI	EEI	EEI	EEI	EEI
Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	NA	NA	NA	NA	NA	<0.06	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	0.01	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	0.002	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	<0.003	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	0.11	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	<0.006	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	<0.06	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	<0.0002	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	0.05	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	0.01	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	<0.01	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	<0.1	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	0.14	NA	NA
Miscellaneous Parameters										
pH	6.6	6.4	6.5	6.0	7.2	6.4	7.0	NA	6.0	6.6
Spec. conductance (umhos/cm)	1,000	1,950	1,850	9,750	1,700	5,500	11,500	2,750	3,060	330
Temperature (deg. centigrade)	17	15	16.5	7	16.5	10	16	11	12.0	14
Cyanide	NA	NA	NA	NA	NA	NA	NA	0.0638	NA	NA
Phenols	100	210	47#	1,200	1,360	1,500	1,400	520	230	300
Total Organic Carbon (TOX)	5.3	38	80	1,500	800	840	980	NA	310	430
Total Dissolved Solids (TDS)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	. .
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	180	1,000	420	920	1,300	3,700	3,600	NA	380	360
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

Well Number:	B-24B	B-24B	B-24C	B-24C	B-24C	B-24C	B-25A	B-25A	B-25A	B-25A
Sample Date:	3/84	5/84	1/84	2/84	3/84	5/84	1/84	2/84	3/84	5/84
Laboratory:	EEI	EEI	EEI	EEI	EEI	EEI	EEI	EEI	EEI	EEI
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	6.4	6.0	7.0	6.4	6.4	6.5	6.2	6.3	5.9	6.5
Spec. conductance (umhos/cm)	1,500	1,600	3,630	570	2,700	1,900	9,000	1,250	11,500	1,250
Temperature (deg. centigrade)	12.5	14.5	12.5	14.5	14	15.0	NA	14	13.5	14.0
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenols	90	39#	390	360	800	68.5#	1,500	460	1,400	1,400
Total Organic Carbon (TOX)	98	190	1,300	480	340	640	1,500	540	990	780
Total Dissolved Solids (TDS)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	380	600	520	360	1,000	670	1,000	540	4,900	3,400
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

0529

Well Number:	B-25A	B-25A	B-25A	B-25B	B-25B	B-25B	B-25B	B-25B	B-25B	B-26A
Sample Date:	6/84	11/85	3/87	1/84	2/84	3/84	5/84	6/84	11/85	1/84
Laboratory:	EEI	ETC	ETC	EEI	EEI	EEI	EEI	EEI	ETC	EEI
Metals (concentrations are in mg/L, except where noted)										
Antimony	0.68	NA	NA	NA	NA	NA	NA	<0.06	NA	NA
Arsenic	<0.001	NA	NA	NA	NA	NA	NA	<0.001	NA	NA
Beryllium	<0.01	NA	NA	NA	NA	NA	NA	0.002	NA	NA
Cadmium	0.074	NA	NA	NA	NA	NA	NA	0.008	NA	NA
Chromium	0.06	NA	NA	NA	NA	NA	NA	0.150	NA	NA
Copper	0.03	NA	NA	NA	NA	NA	NA	0.009	NA	NA
Lead	0.027	NA	NA	NA	NA	NA	NA	0.041	NA	NA
Mercury	0.0052	NA	NA	NA	NA	NA	NA	0.0006	NA	NA
Nickel	2.21	NA	NA	NA	NA	NA	NA	0.091	NA	NA
Selenium	<0.001	NA	NA	NA	NA	NA	NA	<0.001	NA	NA
Silver	0.018	NA	NA	NA	NA	NA	NA	0.004	NA	NA
Thallium	0.108	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
Zinc	3.21	NA	NA	NA	NA	NA	NA	0.054	NA	NA
Miscellaneous Parameters										
pH	6.4	6.0	NA	6.3	6.3	6.3	6.5	7.0	6.7	6.0
Spec. conductance (umhos/cm)	16,000	5,500	NA	3,150	1,500	1,250	2,900	2,600	4,500	1,370
Temperature (deg. centigrade)	14	13	NA	10.0	14	13.5	14.5	14	13	NA
Cyanide	<0.005	<0.025	0.035	NA	NA	NA	NA	<0.005	<0.025	NA
Phenols	720	1,500	NA	380	425#	280	160	85	410	0.46
Total Organic Carbon (TOX)	NA	NA	NA	380	430	310	180	NA	NA	14
Total Dissolved Solids (TDS)	NA	NA	NA	NA	NA	NA	NA	NA	NA	[illegible]
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	NA	NA	NA	370	590	980	820	NA	NA	4
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

Well Number:	B-26A	B-26A	B-26A	B-26A	B-26B	B-26B	B-26B	B-26B	B-27B	B-27B
Sample Date:	2/84	3/84	5/84	3/87	1/84	2/84	3/84	5/84	1/84	2/84
Laboratory:	EEI	EEI	EEI	ETC	EEI	EEI	EEI	EEI	EEI	EEI
Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	NA	< 057	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	0.054	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	< 00052	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	< 0025	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	< .013	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	< .0052	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	< .050	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	< 00022	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	< 0096	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	< 0050	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	<.011	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	<.0050	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	0.036	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
pH	6.9	6.8	6.5	6.5	6.0	6.8	6.6	6.5	6.6	6 2
Spec. conductance (umhos/cm)	440	1,000	1,600	2,300	2,030	490	1,100	1,050	3,000	1,200
Temperature (deg. centigrade)	13	15	15.0	10	13.0	13.5	14.0	13.0	NA	13
Cyanide	NA	NA	NA	<.025	NA	NA	NA	NA	NA	NA
Phenols	0.36#	0.34	0.155#	NA	2.65#	2.85#	1.7	1.55#	190	200
Total Organic Carbon (TOX)	1.8	0.35	1.8	NA	20	8.4	0.85	2.0	190	140
Total Dissolved Solids (TDS)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	19	76	13	NA	2	41	310	220	270	330
Iron	NA	NA	NA	39.5	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	NA	NA	NA	<.088	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	0.171	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	<.026	NA	NA	NA	NA	NA	NA
Tin	NA	NA	NA	<.052	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	<.011	NA	NA	NA	NA	NA	NA
Boron	NA	NA	NA	21.2	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	4.65	NA	NA	NA	NA	NA	NA

See last page for footnotes.

0531

Well Number:	B-27B	B-27B	B-27B	B-27B	B-28A	B-28A	B-28A	B-28A	B-28A	B-28A
Sample Date:	3/84	5/84	9/84	9/84*	1/84	2/84	3/84	5/84	2/86	3/87
Laboratory:	EEI	EEI	EEI	EEI	EEI	EEI	EEI	EEI	ETC	ETC
Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	0.056	NA	NA	NA	NA	NA	<0.06	< 057
Arsenic	NA	NA	<0.001	NA	NA	NA	NA	NA	0.11	0.077
Beryllium	NA	NA	<0.002	NA	NA	NA	NA	NA	<0.0009	[illegible]
Cadmium	NA	NA	0.003	NA	NA	NA	NA	NA	<0.003	[illegible]
Chromium	NA	NA	0.008	NA	NA	NA	NA	NA	<0.008	[illegible]
Copper	NA	NA	<0.004	NA	NA	NA	NA	NA	<0.006	< 0052
Lead	NA	NA	<0.004	NA	NA	NA	NA	NA	<0.06	< 0050
Mercury	NA	NA	<0.0002	NA	NA	NA	NA	NA	<0.0002	< 00022
Nickel	NA	NA	0.054	NA	NA	NA	NA	NA	0.01	< 0096
Selenium	NA	NA	<0.001	NA	NA	NA	NA	NA	0.01	< 0050
Silver	NA	NA	<0.01	NA	NA	NA	NA	NA	<0.01	< 011
Thallium	NA	NA	0.125	NA	NA	NA	NA	NA	0.005	< 0050
Zinc	NA	NA	0.185	NA	NA	NA	NA	NA	0.04	0.023
Miscellaneous Parameters										
pH	6.5	6.5	6.3	6.3	7.0	7.1	6.9	6.5	NA	7.6
Spec. conductance (umhos/cm)	2,000	3,100	2,200	2,200	1,950	380	1,750	2,500	1,300	2,800
Temperature (deg. centigrade)	14.5	14	20	20	12.0	13	17.0	15.0	13	11
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	<0.025	< 025
Phenols	130	150	NA	NA	0.48	0.3	0.5	0.70#	<0.05	NA
Total Organic Carbon (TOX)	74	78	NA	NA	530	1.1	1.8	1.6	NA	NA
Total Dissolved Solids (TDS)	NA	NA	3,658	485	NA	NA	NA	NA	NA	[illegible]
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	450	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	430	520	575	NA	NA	12	20	24	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.1
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 088
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.110
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 026
Tin	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 052
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 011
Boron	NA	NA	NA	NA	NA	NA	NA	NA	NA	29
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	8

See last page for footnotes.

Well Number:	B-28B	B-28B	B-28B	B-28B	B-29A	B-29A	B-29A	B-29A	B-29A	B-29A
Sample Date:	1/84	2/84	3/84	5/84	1/84	2/84	3/84	5/84	6/84	11 85
Laboratory:	EEI	EEI	EEI	EEI	EEI	EEI	EEI	EEI	EEI	ETC
Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	2.6	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	0.001	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	<0.01	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	0.012	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	<0.04	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	0.02	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	<0.1	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	0.0069	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	0.185	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	<0.001	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	<0.02	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	0.042	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	0.069	NA
Miscellaneous Parameters										
pH	6.9	6.6	6.6	6.5	6.8	6.5	6.7	6.5	6.8	6.9
Spec. conductance (umhos/cm)	1,450	390	1,100	1,250	8,000	2,900	8,500	9,000	7,000	11,500
Temperature (deg. centigrade)	12.5	13.0	15.0	14.0	12.0	9.0	15.0	15.0	14	13
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	<0.005	<0.025
Phenols	0.705#	0.41#	0.44#	0.375#	7,200	7,600	8,800	6,800	2.0	10,000
Total Organic Carbon (TOX)	6.7	1.1	0.85	1.5	390	645#	630#	580	NA	NA
Total Dissolved Solids (TDS)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	80	30	30	30	5,400	7,000	380	7,900	NA	4 400
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

Well Number:	B-29B	B-29B	B-29B	B-29B	B-29B	B-29B	B-29B	B-29B	B-29B	B-30B
Sample Date:	1/84	2/84	3/84	5/84	6/84	6/84*	6/84**	11/84	11/85	1/84
Laboratory:	EEI	EEI	EEI	EEI	EEI	EEI	EEI	EEI	ETC	EEI
Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	NA	NA	0.15	<0.14	<0.1	<0.07	NA	NA
Arsenic	NA	NA	NA	NA	0.003	<0.001	<0.005	0.019	NA	NA
Beryllium	NA	NA	NA	NA	<0.01	<0.010	<0.005	<0.005	NA	NA
Cadmium	NA	NA	NA	NA	<0.01	<0.010	<0.007	<0.005	NA	NA
Chromium	NA	NA	NA	NA	<0.04	<0.050	<0.020	<0.008	NA	NA
Copper	NA	NA	NA	NA	<0.04	<0.040	<0.010	<0.008	NA	NA
Lead	NA	NA	NA	NA	<0.01	<0.1	<0.1	<0.06	NA	NA
Mercury	NA	NA	NA	NA	0.0064	<0.0051	<0.003	<0.002	NA	NA
Nickel	NA	NA	NA	NA	0.076	0.079	0.04	0.031	NA	NA
Selenium	NA	NA	NA	NA	<0.001	<0.001	0.009	0.01	NA	NA
Silver	NA	NA	NA	NA	<0.02	0.020	<0.01	<0.008	NA	NA
Thallium	NA	NA	NA	NA	0.025	0.021	<0.005	<0.01	NA	NA
Zinc	NA	NA	NA	NA	0.049	0.071	0.02	0.013	NA	NA
Miscellaneous Parameters										
pH	6.8	6.9	6.7	6.5	6.8	6.8	6.8	7.2	6.9	6.8
Spec. conductance (umhos/cm)	4,550	1,500	4,000	4,300	4,100	4,100	4,100	5,000	5,400	8,000
Temperature (deg. centigrade)	12.5	14	13.5	14	13.5	13.5	13.5	14	14	NA
Cyanide	NA	NA	NA	NA	<0.005	<0.005	<0.025	<0.025	<0.025	1,800
Phenols	5,100	3,400	5,000	4,400	5,100	2,000	3,040	3,300	10,000	310
Total Organic Carbon (TOX)	1200	410	300	400	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	1,300	
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	53.5	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	351	1,400
Total Organic Carbon (TOC)	3,100	2,200#	4,500	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	0.6	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	20.5	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	11.5	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	1,150	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	730	NA
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
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

Well Number:	B-30B	B-30B	B-30B	B-30B	B-101	P-1	P-1	P-1	P-1	P-1
Sample Date:	2/84	3/84	5/84	9/84	9/84	1/84	2/84	3/84	5/84	9/84
Laboratory:	EEI	EEI	EEI	EEI	EEI	EEI	EEI	EEI	EEI	EEI
Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	NA	0.072	0.019	NA	NA	NA	NA	0.065
Arsenic	NA	NA	NA	0.006	<0.001	NA	NA	NA	NA	0.007
Beryllium	NA	NA	NA	<0.002	<0.002	NA	NA	NA	NA	<0.002
Cadmium	NA	NA	NA	0.003	<0.002	NA	NA	NA	NA	<0.002
Chromium	NA	NA	NA	<0.004	<0.004	NA	NA	NA	NA	<0.004
Copper	NA	NA	NA	0.004	<0.004	NA	NA	NA	NA	<0.004
Lead	NA	NA	NA	0.005	0.013	NA	NA	NA	NA	<0.004
Mercury	NA	NA	NA	0.00091	<0.0004	NA	NA	NA	NA	<0.0004
Nickel	NA	NA	NA	0.033	<0.004	NA	NA	NA	NA	0.006
Selenium	NA	NA	NA	<0.001	<0.001	NA	NA	NA	NA	<0.001
Silver	NA	NA	NA	<0.01	<0.002	NA	NA	NA	NA	<0.002
Thallium	NA	NA	NA	0.41	0.018	NA	NA	NA	NA	0.013
Zinc	NA	NA	NA	0.12	0.26	NA	NA	NA	NA	0.124
Miscellaneous Parameters										
pH	6.7	6.6	7.0	6.9	6.9	7.0	7.3	7.0	6.0	7.3
Spec. conductance (umhos/cm)	1,850	2,200	4,950	3,500	1,050	850	NA	650	750	650
Temperature (deg. centigrade)	NA	NA	NA	19	21	NA	12	14	13.5	20
Cyanide	630	420	410#	NA	NA	NA	NA	NA	NA	NA
Phenols	420	270	240	NA	NA	0.170	0.11	0.16#	0.22	NA
Total Organic Carbon (TOX)	NA	NA	NA	NA	NA	1.9	2	0.35	1.1	NA
Total Dissolved Solids (TDS)	NA	NA	NA	4,704	876	NA	NA	NA	NA	NA
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	680	730	1,100	990	200	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	NA	NA	NA	127	257	9	26	15	32	13
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

Well Number:	P-1	P-1	P-2	P-2	P-2	P-2	P-2	P-2	P-2	P-2
Sample Date:	3/87	11/87	1/84	2/84	3/84	5/84	6/84	11/85	12/86	5/87
Laboratory:	ETC	ETC	EEI	EEI	EEI	EEI	EEI	ETC	ETC	ETC
Metals (concentrations are in mg/L, except where noted)										
Antimony	<.057	NA	NA	NA	NA	NA	0.004	NA	NA	NA
Arsenic	0.042	NA	NA	NA	NA	NA	0.041	NA	NA	NA
Beryllium	<.00052	NA	NA	NA	NA	NA	0.098	NA	NA	NA
Cadmium	<.0025	NA	NA	NA	NA	NA	0.002	NA	NA	NA
Chromium	<.013	NA	NA	NA	NA	NA	0.005	NA	NA	NA
Copper	<.0052	NA	NA	NA	NA	NA	0.007	NA	NA	NA
Lead	<.0050	NA	NA	NA	NA	NA	<0.004	NA	NA	NA
Mercury	<.00022	NA	NA	NA	NA	NA	<0.0002	NA	NA	NA
Nickel	<.0096	NA	NA	NA	NA	NA	0.007	NA	NA	NA
Selenium	<.0050	NA	NA	NA	NA	NA	<0.001	NA	NA	NA
Silver	<.011	NA	NA	NA	NA	NA	<0.01	NA	NA	NA
Thallium	<.0050	NA	NA	NA	NA	NA	<0.02	NA	NA	NA
Zinc	0.050	NA	NA	NA	NA	NA	0.034	NA	NA	NA
Miscellaneous Parameters										
pH	7.0	7.0	7.1	7.2	7.0	6.0	6.9	7.0	6.5	6.9
Spec. conductance (umhos/cm)	2,200	2,000	600	340	550	675	600	2,300	1,400	1,700
Temperature (deg. centigrade)	10	17	NA	12	15	13	15	14	13	15
Cyanide	<.025	<.025	NA	NA	NA	NA	<0.005	<0.025	NA	NA
Phenols	NA	NA	0.29	0.168	0.34	0.17	0.036	0.0959	NA	NA
Total Organic Carbon (TOX)	NA	NA	0.88	1.5	0.39	1.6	NA	NA	NA	NA
Total Dissolved Solids (TDS)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	NA	NA	22	25	8	110	NA	NA	NA	NA
Iron	16.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	<.068	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
Manganese	2.64	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

Well Number:	P-2	P-2	P-2	P-2	P-2	P-2	P-3	P-3	P-3	P-3
Sample Date:	11/87	5/88	11/88	11/89	11/90	11/91	1/84	2/84	3/84	5/84
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	EEI	EEI	EEI	EEI
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	6.9	6.8	6.8	6.7	6.9	5.7	6.5	6.7	6.6	7.0
Spec. conductance (umhos/cm)	2,200	2,000	3,600	–	3,100	2,850	950	340	950	1,300
Temperature (deg. centigrade)	17	13	15	14	9	17	12.5	12	15	13.5
Cyanide	<.025	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenols	NA	NA	NA	NA	NA	NA	0.43	0.565#	0.40	0.48
Total Organic Carbon (TOX)	NA	NA	NA	NA	NA	NA	2.6	8.9	0.25	0.29
Total Dissolved Solids (TDS)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	NA	NA	NA	NA	NA	NA	50	72	76	280
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

Well Number:	P-3	P-4	P-4	P-4	P-4	P-5	P-5	P-5	P-5	P-6
Sample Date:	11/87	1/84	2/84	3/84	5/84	1/84	2/84	3/84	5/84	1 84
Laboratory:	ETC	EEI	EEI	EEI	EEI	EEI	EEI	EEI	EEI	EEI
Metals (concentrations are in mg/L, except where noted)										
Antimony	<.066	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	0.012	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	<.00064	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	<.0023	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	<.015	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	<.016	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	<.063	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	<.00024	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	<.013	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	<.005	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	<.011	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	<.010	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	0.062	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
pH	6.7	6.0	7.0	6.9	6.5	6.0	7.0	6.9	6.5	6.0
Spec. conductance (umhos/cm)	2,500	1,250	390	600	900	875	350	350	380	850
Temperature (deg. centigrade)	17	NA	NA	NA	NA	11.5	13	14	13	NA
Cyanide	<.025	NA	13.5	13	13	NA	13	13	13	NA
Phenols	0.123	1.08	0.855#	0.73	0.46	1.72#	1.44	0.56#	0.52#	0.225#
Total Organic Carbon (TOX)	NA	10	7.2	0.68	0.46	3.5	4.5	0.29	0.17	1.5
Total Dissolved Solids (TDS)	NA	NA	NA	NA	NA	NA	NA	NA	NA	[illegible]
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	[illegible]
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	NA	3	86	70	55	7	90	35	24	16
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

Well Number:	P-6	P-6	P-6	P-6	P-6	P-6	P-6	P-6	P-6	P-6
Sample Date:	2/84	3/84	5/84	6/84	11/85	12/86	5/87	11/87	5/88	11/88
Laboratory:	EEI	EEI	EEI	EEI	ETC	ETC	ETC	ETC	ETC	ETC
Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	NA	<0.003	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	0.074	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	0.02	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	0.003	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	0.008	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	0.028	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	0.006	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	<0.0002	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	0.009	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	<0.001	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	<0.01	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	<0.02	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	0.043	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
pH	7.3	6.9	6.5	6.9	7.1	6.4	7.0	7.5	7.1	7.3
Spec. conductance (umhos/cm)	550	1,250	1,700	1,500	3,000	1,100	1,400	1,750	1,700	2,600
Temperature (deg. centigrade)	14	13	15	14	15	13	15	16	13	14
Cyanide	NA	NA	NA	<0.005	<0.025	NA	NA	< 025	NA	NA
Phenols	0.555#	1.6	0.44	0.045	0.0791	NA	NA	NA	NA	NA
Total Organic Carbon (TOX)	2.6	1.35#	0.62	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	20	38	24	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

0539

Well Number:	P-6	P-6	P-6	P-7	P-7	P-7	P-7	P-7	P-7	P-7
Sample Date:	11/89	11/90	11/91	1/84	2/84	3/84	5/84	6/84	11/85	12/86
Laboratory:	ETC	ETC	ETC	EEI	EEI	EEI	EEI	EEI	ETC	ETC
Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	NA	NA	NA	NA	NA	0.004	NA	
Arsenic	NA	NA	NA	NA	NA	NA	NA	0.004	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	0.005	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	0.007	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	0.023	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	<0.004	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	0.014	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	0.0047	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	0.177	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	<0.001	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	<0.01	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	<0.02	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	0.120	NA	NA
Miscellaneous Parameters										
pH	7.1	7.5	6.1	6	6.3	7.4	7	6.6	6.4	6.4
Spec. conductance (umhos/cm)	–	2,520	3,180	4,300	800	4,200	4,700	4,650	4,500	1,200
Temperature (deg. centigrade)	14	11	15	11	14	13	15	14	14	13
Cyanide	NA	NA	NA	NA	NA	NA	NA	<0.005	0.035	NA
Phenols	NA	NA	NA	260	260	360	270	130	134.5	NA
Total Organic Carbon (TOX)	NA	NA	NA	670	370	500	280	NA	NA	
Total Dissolved Solids (TDS)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	330	360	260	890	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	NA	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	
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

Well Number:	P-7	P-7	P-7	P-7	P-7	P-7	P-7	P-7	P-7	P-8
Sample Date:	5/87	3/87	11/87	5/88	11/88	3/89	11/89	11/90	11/91	1/84
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	ETC	EEI
Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	< 057	NA	NA	NA	<0.06	NA	NA	NA	NA
Arsenic	NA	0.011	NA	NA	NA	<0.01	NA	NA	NA	NA
Beryllium	NA	< 00052	NA	NA	NA	<0.001	NA	NA	NA	NA
Cadmium	NA	<.0025	NA	NA	NA	<0.002	NA	NA	NA	NA
Chromium	NA	<.013	NA	NA	NA	<0.01	NA	NA	NA	NA
Copper	NA	<.0052	NA	NA	NA	<0.01	NA	NA	NA	NA
Lead	NA	<.0050	NA	NA	NA	<0.075	NA	NA	NA	NA
Mercury	NA	<.00022	NA	NA	NA	<0.0002	NA	NA	NA	NA
Nickel	NA	0.033	NA	NA	NA	<0.02	NA	NA	NA	NA
Selenium	NA	< 0050	NA	NA	NA	<0.005	NA	NA	NA	NA
Silver	NA	<.011	NA	NA	NA	<0.01	NA	NA	NA	NA
Thallium	NA	<.0050	NA	NA	NA	<0.01	NA	NA	NA	NA
Zinc	NA	0.120	NA	NA	NA	0.067	NA	NA	NA	NA
Miscellaneous Parameters										
pH	6.7	7.0	6.8	6.8	6.7	6.8	6.5	6.8	5.3	6.0
Spec. conductance (umhos/cm)	1,400	3,400	2,800	2,100	2,700	3,600	--	4,100	3,920	3,250
Temperature (deg. centigrade)	15	10	18	12	15	14	14	12	15	11
Cyanide	NA	< 025	0.041	NA	NA	<0.025	NA	NA	NA	NA
Phenols	NA	NA	NA	NA	NA	41.5	NA	NA	NA	10.8
Total Organic Carbon (TOX)	NA	NA	NA	NA	NA	NA	NA	NA	NA	74
Total Dissolved Solids (TDS)	NA	NA	NA	NA	NA	NA	NA	NA	2650	NA
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	NA	NA	NA	NA	NA	NA	NA	NA	NA	885
Iron	NA	22.4	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	NA	< 088	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	0.027	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	0.140	NA	NA	NA	NA	NA	NA	NA	NA
Tin	NA	< 052	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	0.022	NA	NA	NA	NA	NA	NA	NA	NA
Boron	NA	34	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	14.8	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

0541

Well Number:	P-8	P-8	P-8	P-8	P-8	P-8	P-8	P-8	P-8	P-8
Sample Date:	2/84	3/84	5/84	6/84	11/85	12/86	5/87	11/87	5/88	11/88
Laboratory:	EEI	EEI	EEI	EEI	ETC	ETC	ETC	ETC	ETC	ETC
Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	NA	<0.03	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	0.015	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	0.001	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	0.002	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	<0.2	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	0.009	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	0.011	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	<0.0002	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	0.01	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	<0.001	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	0.002	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	<0.002	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	0.05	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
pH	6.6	6.7	6.5	6.8	6.9	6.4	6.8	6.8	6.6	6.5
Spec. conductance (umhos/cm)	490	1,500	900	800	2,300	1,260	800	3,700	3,300	4,900
Temperature (deg. centigrade)	13	12	14.5	13.5	14	13	15	16	14	15
Cyanide	NA	NA	NA	<0.005	0.033	NA	NA	0.065	NA	NA
Phenols	10.8	3.6	1.2	<0.005	0.34	NA	NA	NA	NA	NA
Total Organic Carbon (TOX)	77	22	0.46	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	140	140	120	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

Well Number:	P-8	P-8	P-8	P-8	P-9	P-9	P-9	P-9	P-10	P-10
Sample Date:	3/89	11/89	11/90	11/91	1/84	2/84	3/84	5/84	1/84	2/84
Laboratory:	ETC	ETC	ETC	ETC	EEI	EEI	EEI	EEI	EEI	EEI
Metals (concentrations are in mg/L, except where noted)										
Antimony	<0.06	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	<0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	<0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	<0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	<0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	<0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	<0.075	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	<0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	<0.067	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	<0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	<0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	0.041	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
pH	6.7	6.4	6.1	6.3	6.0	6.7	7.0	6.5	6.0	6.3
Spec. conductance (umhos/cm)	12,500	–	5,620	4,730	2,340	NA	775	900	1,450	440
Temperature (deg. centigrade)	14	15	11	16	12	13	13	14	9.5	14
Cyanide	0.025	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenols	24.5	NA	NA	NA	1.46	1.04	0.88	0.46	5.8	2.0#
Total Organic Carbon (TOX)	NA	NA	NA	NA	330	9.2	0.45	0.33	7.4	9.5
Total Dissolved Solids (TDS)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	NA	NA	NA	NA	NA	150	91	42	330	160
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

Well Number:	P-10	P-10	P-10	P-10	P-11	P-11	P-11	P-11	P-11	P-11
Sample Date:	3/84	5/84	9/84	11/87	1/84	2/84	3/84	5/84	9/84	3/87
Laboratory:	EEI	EEI	EEI	ETC	EEI	EEI	EEI	EEI	EEI	ETC
Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	0.018	NA	NA	NA	NA	NA	0.022	< 057
Arsenic	NA	NA	0.004	NA	NA	NA	NA	NA	0.008	0 043
Beryllium	NA	NA	<0.002	NA	NA	NA	NA	NA	<0.002	< 00052
Cadmium	NA	NA	<0.002	NA	NA	NA	NA	NA	<0.002	< 0025
Chromium	NA	NA	<0.004	NA	NA	NA	NA	NA	<0.004	< 013
Copper	NA	NA	<0.004	NA	NA	NA	NA	NA	<0.004	< 0052
Lead	NA	NA	<0.004	NA	NA	NA	NA	NA	<0 004	< 050
Mercury	NA	NA	<0.0002	NA	NA	NA	NA	NA	<0.0002	0022
Nickel	NA	NA	<0.004	NA	NA	NA	NA	NA	0.012	< 0096
Selenium	NA	NA	<0.001	NA	NA	NA	NA	NA	<0.001	< 0050
Silver	NA	NA	<0.01	NA	NA	NA	NA	NA	<0.01	< 011
Thallium	NA	NA	0.067	NA	NA	NA	NA	NA	0.07	< 0050
Zinc	NA	NA	0.066	NA	NA	NA	NA	NA	0.049	0.040
Miscellaneous Parameters										
pH	6.9	6.5	7.1	6.9	6.0	5.6	6.9	6.0	7.3	7.7
Spec. conductance (umhos/cm)	700	730	850	1,550	1,550	550	800	650	800	1,000
Temperature (deg. centigrade)	13	13	19.5	16	13	14	13	13	18	11
Cyanide	NA	NA	NA	0.029	NA	NA	NA	NA	NA	<.025
Phenols	1.15#	0.61	NA	NA	0.74#	1.00	0.50	0.31	N	NA
Total Organic Carbon (TOX)	6.1	0.39	NA	NA	NA	NA	NA	NA		NA
Total Dissolved Solids (TDS)	NA	NA	570	NA	NA	NA	NA	NA		
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	110	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	35	39	52	NA	230	81	91	55	48	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 088
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.155
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 026
Tin	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 052
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 011
Boron	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.54
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.31

See last page for footnotes.

Well Number:	P-11	P-12	P-12	P-12	P-12	P-12	P-12	P-13	P-13	P-13
Sample Date:	11/87	1/84	2/84	3/84	5/84	9/84	11/87	1/84	2/84	3/84
Laboratory:	ETC	EEI	EEI	EEI	EEI	EEI	ETC	EEI	EEI	EEI
Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	NA	NA	NA	0.017	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	0.009	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	<0.002	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	<0.002	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	<0.004	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	<0.004	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	<0.004	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	<0.0002	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	<0.004	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	<0.001	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	<0.01	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	0.043	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	0.056	NA	NA	NA	NA
Miscellaneous Parameters										
pH	6.9	6.7	5.3	6.6	6.5	7.2	6.9	6.9	6.9	6.8
Spec. conductance (umhos/cm)	1,300	1,000	440	500	580	600	1,680	1,500	1,100	950
Temperature (deg. centigrade)	17	11	14	13	11	18	15	5	14	13
Cyanide	<.025	NA	NA	NA	NA	NA	0.027	NA	NA	NA
Phenols	NA	19	5	1.4	1.3	NA	18.9	0.94	0.15	0.19
Total Organic Carbon (TOX)	NA	320	0.8	2.3	0.47	NA	NA	200	2.5	0.36
Total Dissolved Solids (TDS)	NA	NA	NA	NA	NA	482	NA	NA	NA	NA
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	NA	76	120	12	22	27	NA	69	46	57
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

Well Number:	P-13	P-13	P-13	P-13	P-13	P-13	P-13	P-13	P-13	P-13
Sample Date:	5/84	6/84	6/84*	6/84**	11/85	12/86	5/87	11/87	5/88	11/88
Laboratory:	EEI	EEI	EEI	EEI	ETC	ETC	ETC	ETC	ETC	ETC
Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	0.004	0.004	<0.1	NA	NA	NA	NA	NA	NA
Arsenic	NA	0.093	0.013	0.014	NA	NA	NA	NA	NA	NA
Beryllium	NA	0.134	0.192	<0.005	NA	NA	NA	NA	NA	NA
Cadmium	NA	0.002	0.002	<0.007	NA	NA	NA	NA	NA	NA
Chromium	NA	0.005	0.006	<0.02	NA	NA	NA	NA	NA	NA
Copper	NA	0.006	<0.004	<0.01	NA	NA	NA	NA	NA	NA
Lead	NA	0.005	0.004	<0.1	NA	NA	NA	NA	NA	NA
Mercury	NA	<0.0002	<0.0002	<0.003	NA	NA	NA	NA	NA	NA
Nickel	NA	0.004	0.005	<0.01	NA	NA	NA	NA	NA	NA
Selenium	NA	0.001	<0.001	<0.005	NA	NA	NA	NA	NA	NA
Silver	NA	<0.01	<0.01	<0.01	NA	NA	NA	NA	NA	NA
Thallium	NA	<0.02	<0.02	<0.005	NA	NA	NA	NA	NA	NA
Zinc	NA	0.020	0.06	<0.01	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
pH	6.5	7.0	7.0	7.0	6.9	7.2	6.9	6.9	6.9	6.7
Spec. conductance (umhos/cm)	950	1,000	1,000	1,100	2,000	1,700	1,100	1,300	1,800	3,700
Temperature (deg. centigrade)	13	14	14	14	14	13	15	16	13	15
Cyanide	NA	<0.005	<0.025	<0.005	<0.025	NA	NA	<.025	NA	NA
Phenols	0.22	0.06	0.06	<0.05	0.099	NA	NA	0.205	NA	NA
Total Organic Carbon (TOX)	0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	30	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

0546

Well Number:	P-13	P-13	P-13	P-14	P-14	P-14	P-14	P-14	P-14	P-14
Sample Date:	11/89	11/90	11/91	1/84	2/84	3/84	5/84	6/84	11/85	12/86
Laboratory:	ETC	ETC	ETC	EEI	EEI	EEI	EEI	EEI	ETC	ETC
Metals (concentrations are in mg/L, except where noted)										
Antimony	NA	NA	NA	NA	NA	NA	NA	0.018	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	0.101	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	0.057	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	0.006	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	0.01	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	0.008	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	<0.004	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	<0.0002	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	<0.01	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	<0.001	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	<0.01	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	<0.02	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	0.04	NA	NA
Miscellaneous Parameters										
pH	6.4	7.1	5.3	6.7	6.8	6.7	6.5	6.8	NA	7.0
Spec. conductance (umhos/cm)	–	1,460	5,730	2,850	1,200	2,700	3,100	2,800	NA	2,500
Temperature (deg. centigrade)	15	13	16	12	15.5	14	13	14	NA	13
Cyanide	NA	NA	NA	NA	NA	NA	NA	<0.005	<0.025	NA
Phenols	NA	NA	NA	1.41#	0.64	0.48	0.38	0.06	0.143	NA
Total Organic Carbon (TOX)	NA	NA	NA	300	14	0.65	1.8	NA	NA	NA
Total Dissolved Solids (TDS)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	NA	NA	NA	160	44	87	42	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See last page for footnotes.

Well Number:	P-14	P-14	P-14	P-14	P-14	P-14	P-14
Sample Date:	5/87	11/87	5/88	11/88	11/89	11/90	11/91
Laboratory:	ETC	ETC	ETC	ETC	ETC	ETC	ETC
Metals (concentrations are in mg/L, except where noted)							
Antimony	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters							
pH	7.0	7.4	7.4	7.2	7.1	6.8	5.9
Spec. conductance (umhos/cm)	2,650	2,750	2,400	3,400	–	3580	3990
Temperature (deg. centigrade)	15	18	13	15	15	6	16
Cyanide	NA	< 025	NA	NA	NA	NA	NA
Phenols	NA	0.160	NA	NA	NA	NA	NA
Total Organic Carbon (TOX)	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	NA	NA	NA	NA	NA	NA	NA
Bicarbonate, as CACO3	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA
Sulfate, as SO4	NA	NA	NA	NA	NA	NA	NA
Aluminum	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA
Tin	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA
Boron	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA

* Replicate sample.
NA Not analyzed.
\+ Cold weather prevented proper operation of the field instrument.
a Malfunctioning probe.
Average of two analyses.
EEI Envirodyne Engineers Inc., St. Louis, Missouri.
ETC Environmental Testing and Certification, Edison, New Jersey.
SL Savannah Laboratories and Environmental Testing, Savannah, Georgia.
SLES Savannah Laboratories and Environmental Services, Inc. Savannah, Georgia (formerly Savannah Laboratories and Environmental Testing, Savannah, Georgia).
B Concentration is between the contract required detection limit and the instrument detection limit.

0548

SAUGET Analytical Data
Site R

GROUNDWATER SAMPLES
Total Metals and Misc.(mg/L unless otherwise noted)
Collected by IEPA

Sample Number	MW - 1	MW - 2	MW - 3	MW - 5	Pond 221	Pond 270	Spent Pond	MW - 1	MW - 2	MW - 4
Sample Type	Groundwater	Groundwater	Groundwater	Groundwater	Surface water	Surface water	Surface water	Groundwater	Groundwater	Groundwater
Date Collected	12/5/72	12/5/72	12/5/72	12/5/72	1/18/73	1/18/73	1/18/73	2/22/73	2/22/73	2/22/73
Metals										
Calcium	50.2	147	36	49	NA	NA	NA	NA	NA	NA
Magnesium	15.8	36	18	18.5	NA	NA	NA	NA	NA	NA
Sodium	18.5	112	15	18.5	NA	NA	NA	NA	NA	NA
Potassium	3.6	6.7	4.2	3.5	NA	NA	NA	NA	NA	NA
Ammonia	1.5	2	0.65	0.92	NA	NA	NA	1.6	2.6	0.7
Arsenic	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	0.1	0.7	0.1	0.1	NA	NA	NA	NA	NA	NA
Cadmium	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium (total)	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
Copper	ND	0.1	ND	ND	NA	NA	NA	NA	NA	NA
Iron	2.4	28.2	1.4	8.5	NA	NA	NA	6.8	11	0.8
Lead	ND	ND	ND	0.02	NA	NA	NA	NA	NA	NA
Manganese	0.35	0.61	0.12	0.95	NA	NA	NA	0.35	0.55	0.05
Mercury	ND	ND	ND	ND	NA	NA	NA	0.0004	ND	ND
Nickel	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
Zinc	0.4	1.42	0.21	2.05	NA	NA	NA	1.9	0.6	ND
Alkalinity	180	430	145	185	NA	NA	NA	NA	NA	NA
Chloride	22	225	22	22	NA	NA	NA	NA	NA	NA
Fluoride	0.2	0.2	0.2	2	NA	NA	NA	NA	NA	NA
Nitrate	0.1	0.3	0.1	0.1	NA	NA	NA	NA	NA	NA
Phosphate	0.003	0.21	0.05	0.34	NA	NA	NA	NA	NA	NA
Sulfate	16	12	29	32	NA	NA	NA	NA	NA	NA
Conductivity (mmhos)	445	1400	390	470	NA	NA	NA	NA	NA	NA
Phenols	0.088	0.2	0.007	0.014	2800	50000	2000	0.15	0.08	ND
Oil	1	0	1	0	NA	NA	NA	NA	NA	NA
Hardness	200	530	170	200	NA	NA	NA	NA	NA	NA
COD	46	135	3	8	NA	NA	NA	51	78	16
BOD	NA	NA	NA	NA	NA	NA	NA	31	48	1
R.O.E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (µg/l)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

mg/L - Milligrams per liter.
NA - Parameter not analyzed.
ND - Not detected
µg/L - Micrograms per liter.

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SAUGET Analytical Data
Site R

GROUNDWATER SAMPLES
Total Metals and Misc.(mg/L unless otherwise noted)
Collected by IEPA

Sample Number	MW - 5	RANNEY WELL	MW - 1	MW - 2	MW - 3	MW - 4	MW - 5	RANNEY WELL	MW - 2	MW - 4
Sample Type	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date Collected	2/22/73	2/22/73	5/6/74	5/6/74	5/6/74	5/6/74	5/6/74	5/6/74	10/28/75	10/28/75
Metals										
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	1.3	0.98	NA	NA	NA	NA	NA	NA	ND	ND
Arsenic	NA	NA	0.001	0.001	0.005	ND	0.001	0.002	ND	0.002
Barium	NA	NA	0.1	0.3	0.2	0.1	0.2	0.2	0.1	0.1
Boron	NA	NA	0.3	0.9	8.4	0.2	0.1	ND	0.9	0.5
Cadmium	NA	NA	ND	0.02	ND	ND	ND	ND	ND	ND
Cyanide	NA	NA	ND	0.008	ND	ND	ND	0.005	0.02	0.01
Chromium (total)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	6.6	1.9	15	43.2	11.9	2.71	7.5	2.65	13.4	1.45
Lead	NA	NA	0.008	0.01	ND	0.008	0.014	0.95	ND	0.01
Manganese	1.05	0.92	0.69	1.4	1.1	0.2	0.9	0.95	0.2	0.1
Mercury	0.0002	ND	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	1.5	ND	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	90	215	30	17	16	25	200	23
Fluoride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	NA	NA	ND	ND	ND	ND	ND	0.4	0.3	0.2
Phosphate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	NA	NA	220	78	305	48	41	31	6	22
Conductivity (mmhos)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenols	ND	7.5	0.35	120	0.1	0.02	0.1	15	1.1	0.025
Oil	NA	NA	4	7	1	ND	ND	5	6	2
Hardness	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COD	13	220	44	990	21	14	17	340	210	12
BOD	1	85	NA	NA	NA	NA	NA	NA	NA	NA
R.O.E	NA	NA	720	1600	750	270	240	820	920	230
Selenium	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (µg/l)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

mg/L - Milligrams per liter.
NA - Parameter not analyzed.
ND - Not detected.
µg/L - Micrograms per liter.

0550

SAUGET Analytical Data
Site R

GROUNDWATER SAMPLES
Total Metals and Misc.(mg/L unless otherwise noted)
Collected by IEPA

Sample Number	MW - 5	RANNEY WELL	MW - 1	MW - 2	MW - 3	MW - 4	MW - 5	RANNEY WELL
Sample Type	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date Collected	10/28/75	10/28/75	2/17/76	2/17/76	2/17/76	2/17/76	2/17/76	2/17/76
Metals								
Calcium	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	ND	ND	NA	NA	NA	NA	NA	NA
Arsenic	ND	0.002	ND	ND	ND	ND	ND	0.001
Barium	0.2	0.1	ND	ND	ND	0.2	0.3	0.1
Boron	0.2	0.7	0.3	0.8	8	0.5	0.1	1.4
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	ND	ND	0.01	0.01	0.01	0.01	0.01	0.01
Chromium (total)	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA
Iron	11	4.5	5.1	19.5	4.3	0.7	7.1	4.6
Lead	0.04	0.02	0.01	0.02	ND	ND	0.02	ND
Manganese	0.7	1.3	0.27	0.27	0.1	0.1	0.85	1.45
Mercury (ug/L)	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	20	110	60	410	65	35	35	250
Fluoride	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	0.1	ND	0.8	0.1	ND	ND	ND	0.3
Phosphate	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	15	95	110	20	100	44	36	180
Conductivity (mmhos)	NA	NA	NA	NA	NA	NA	NA	NA
Phenols	0.013	19	0.03	0.01	ND	ND	ND	ND
Oil	3	3	NA	NA	NA	NA	NA	NA
Hardness	NA	NA	NA	NA	NA	NA	NA	NA
COD	16	345	28	130	8	16	15	390
BOD	NA	NA	NA	NA	NA	NA	NA	NA
R.O.E	200	300	370	890	260	220	260	900
Selenium	ND	0.02	ND	ND	ND	ND	ND	ND
PCBs (µg/l)	NA	NA	ND	ND	ND	ND	ND	7.7

mg/L - Milligrams per liter.
NA - Parameter not analyzed.
ND - Not detected.
µg/L - Micrograms per liter.

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SAUGET Analytical Data
Site R

GROUNDWATER SAMPLES
Total Metals and Misc.(mg/L unless otherwise noted)
Collected by IEPA

Sample Number	B-9S	B-9D	B-13D	B-15S	B-17S	B-19S	Maximum
Sample Type	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Concentration
Date Collected	10/12/79	10/12/79	10/12/79	10/12/79	10/12/79	10/12/79	Detected
Metals							
Calcium	NA	NA	NA	NA	NA	NA	147
Magnesium	31	10	27	83	11	28	83
Sodium	NA	NA	NA	NA	NA	NA	112
Potassium	NA	NA	NA	NA	NA	NA	6.7
Ammonia	NA	NA	NA	NA	NA	NA	2.6
Arsenic	0.01	0.004	0.002	0.002	0.002	0.007	0.01
Barium	NA	NA	NA	NA	NA	NA	0.3
Boron	NA	NA	NA	NA	NA	NA	8.4
Cadmium	0.02	ND	0.01	ND	ND	0.01	0.02
Cyanide	NA	NA	NA	NA	NA	NA	0.02
Chromium (total)	0.03	ND	0.04	ND	ND	0.03	0.04
Copper	1.2	0.32	0.87	0.14	0.42	1.6	1.6
Iron	290	100	130	56	110	230	290
Lead	0.2	ND	0.3	ND	0.1	0.2	0.95
Manganese	7.8	1	1.4	1.8	0.99	2.8	7.8
Mercury (ug/L)	NA	NA	NA	NA	NA	NA	0.0004
Nickel	0.6	0.2	1.9	0.1	0.1	0.2	1.9
Zinc	3.3	0.36	3	0.4	0.52	0.87	3.3
Alkalinity	NA	NA	NA	NA	NA	NA	430
Chloride	NA	NA	NA	NA	NA	NA	410
Fluoride	NA	NA	NA	NA	NA	NA	2
Nitrate	NA	NA	NA	NA	NA	NA	0.8
Phosphate	NA	NA	NA	NA	NA	NA	0.34
Sulfate	NA	NA	NA	NA	NA	NA	305
Conductivity (mmhos)	NA	NA	NA	NA	NA	NA	1400
Phenols	21	56	10	14.3	41.5	22	50000
Oil	NA	NA	NA	NA	NA	NA	7
Hardness	NA	NA	NA	NA	NA	NA	530
COD	NA	NA	NA	NA	NA	NA	990
BOD	NA	NA	NA	NA	NA	NA	85
R.O.E	NA	NA	NA	NA	NA	NA	1600
Selenium	NA	NA	NA	NA	NA	NA	0.02
PCBs (ppb)	NA	NA	NA	NA	NA	NA	7.7
Aliphatic hydrocarbons	ND	ND	ND	*	*	*	ND
Chlorophenol	*	*	ND	ND	ND	0.81	0.81
Chlorotoluene	70	40	10	0.34	11	18	70
Dichlorobenzene	ND	ND	ND	ND	ND	1.6	1.6
Diphenylether	ND	ND	ND	ND	0.32	2.1	2.1

mg/L - Milligrams per liter
NA - Parameter not analyzed
ND - Not detected
µg/L - Micrograms per liter
* - Contaminants present, but not quantified

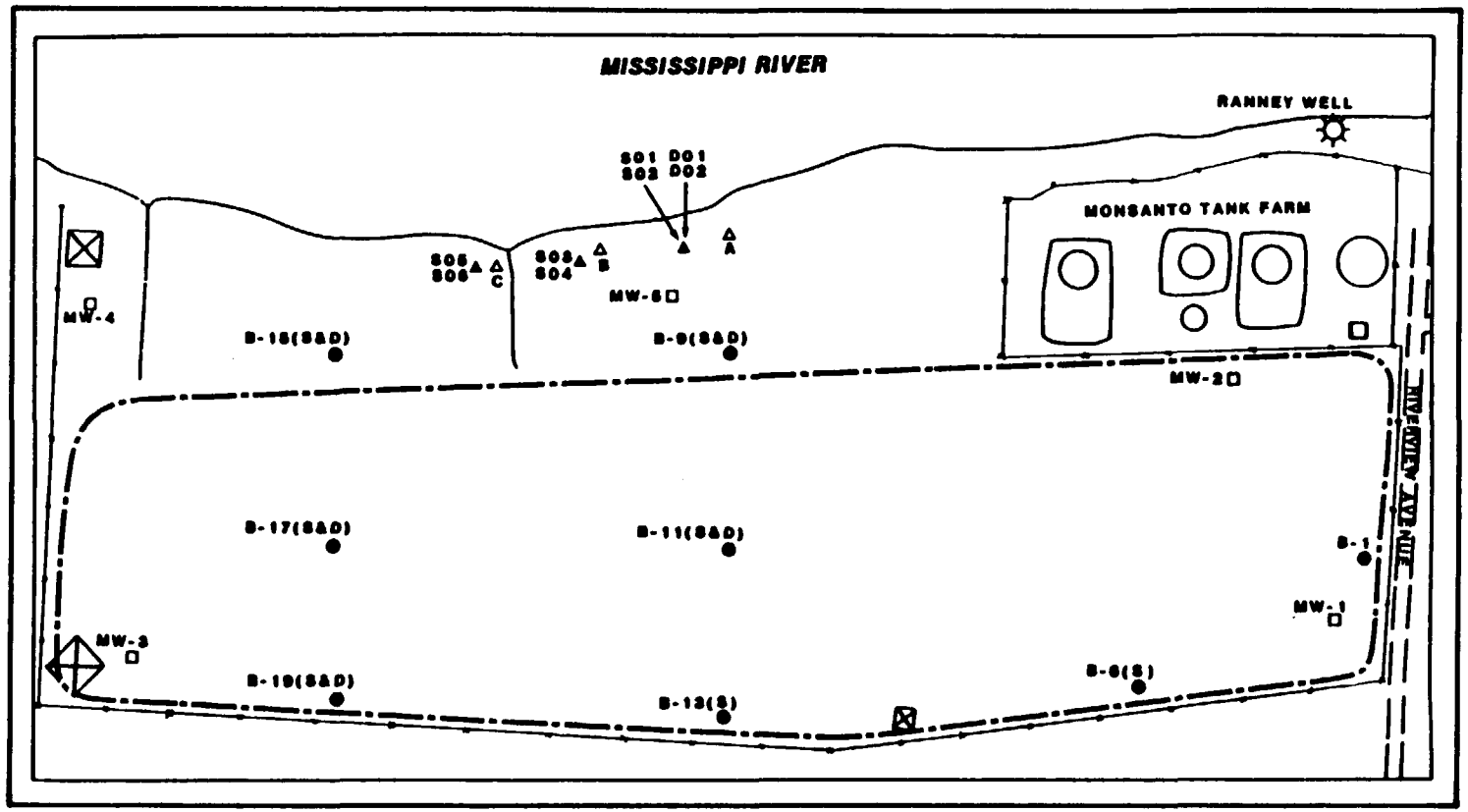
SAUGET Analytical Data
Site R

GROUNDWATER SAMPLES
Organic Compounds (μg/L)
Collected by IEPA

Sample Number	B-1	B-6S	B-9S	B-9D	B-11S	B-11D	B-15D	B-17D	B-19D	Maximum
Well Number	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Surface water	Groundwater	Groundwater	Concentration
Date Collected	3/25/81	3/25/81	3/25/81	3/25/81	3/25/81	3/25/81	3/25/81	3/25/81	3/25/81	Detected
Organics										
Aliphatic hydrocarbons	ND	ND	ND	ND	4000	ND	ND	ND	ND	4000
Biphenylamine	1800	250	ND	ND	15000	1100	1300	860	660	15000
Chlorobenzene	3000	130	720	810	1000	2800	2800	650	300	3000
Chlorophenol	6600	5300	11000	12000	13000	3200	3200	ND	950	13000
Chloronitrobenzene	ND	ND	2500	1500	ND	ND	ND	ND	ND	2500
Dichlorobenzene	2600	ND	ND	ND	1000	800	930	420	360	2600
Dichlorophenol	1100	700	ND	ND	ND	630	2900	670	ND	2900
Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	1200	ND	1200

μg/L - Micrograms per liter.
ND - Not detected.

0553



LEGEND

A	IEPA LEACHATE & SEDIMENT SAMPLING LOCATION
S01	USEPA - FIT LEACHATE & SEDIMENT SAMPLING LOCATION
D01	DUPLICATE SAMPLE
MW-1	IEPA MONITORING WELL SAMPLING LOCATION (PRIOR TO 1979)
B-1	IEPA MONITORING WELL SAMPLING LOCATION (1979-1981)

SCALE
0 100 400 800 FEET

FIGURE R-1
STATE AND USEPA SAMPLING LOCATIONS AT SITE R.

Site R Groundwater Data
Post - 1992

0555

NOTE: THE DATA PRESENTED IN THIS SECTION PERTAINS TO SAMPLES COLLECTED FROM SITE "R" AFTER MONSANTO SIGNED THE CONSENTORDER IN 1992. THIS DATA IS PRESENTED IN THE ORIGINAL REPORT FORMAT.

SOURCE: "Remedial Investigation at Sauget Site R", Monsanto Company, Sauget, Illinois, prepared by Geraghty & Miller, August 1994

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ecology and environment

0557

VOLUME I
REMEDIAL INVESTIGATION
AT SAUGET SITE R
MONSANTO COMPANY, SAUGET, ILLINOIS

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JUL 31 1997
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August 1994

Prepared for

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SCREENED
M M

ORIGINAL

Table 5-14. Summary of Target Compound List Volatile Organic Compounds Detected in Groundwater Samples, Sauget Site R, Monsanto Company, Sauget, Illinois.

	Shallow Zone				Intermediate Zone				
Sample Identification:	P-6	P-7	P-14	GM-62A	GM-27B	GM-28B	P-1	P-2	P-3
Sample Date:	6/3/92	6/4/92	6/5/92	6/10/92	6/9/92	6/5/92	6/3/92	6/3/92	6/3/92
Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Parameters									
Methylene chloride	--	--	--	--	--	--	--	--	--
Acetone	--	--	--	--	--	36 J	--	--	--
Carbon disulfide	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--	--
1,2-Dichloroethene (total)	--	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--	--
Trichloroethene	--	--	--	0.8 J	--	--	--	--	--
Benzene	94	1100	--	--	1300 J	14 J	100	390	120
4-Methyl-2-pentanone	--	--	--	--	--	--	--	470	40 J
Tetrachloroethene	--	--	--	--	--	--	--	--	--
Toluene	--	95 J	--	--	740 J	26 J	--	340	--
Chlorobenzene	230	1700	34000	--	13000	460	1800	3900	420
Ethylbenzene	--	--	--	--	--	14 J	--	90 J	5 J
Xylenes	--	--	--	--	560 J	--	--	170 J	--
Total VOCs	324	2895	34000	0.8	15600	550	1900	5360	585

ug/L Micrograms per liter.
J Estimated value.
-- Not detected.
VOCs Volatile organic compounds.

Only those compounds detected are listed.

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Table 5-14 Summary of Target Compound List Volatile Organic Compounds Detected in Groundwater Samples, Sauget Site R, Monsanto Company, Sauget, Illinois.

	Intermediate Zone							Deep Zone	
Sample Identification:	P-8	P-10	P-11	P-12	P-13	GM-62B	GM-62B Dup	GM-27C	GM-28C
Sample Date:	6/4/92	6/4/92	6/4/92	6/4/92	6/8/92	6/9/92	6/9/92	6/9/92	6/8/92
Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Parameters									
Methylene chloride	270 J	240 J	--	--	--	--	--	--	--
Acetone	17000 J	--	--	--	--	--	--	--	--
Carbon disulfide	--	--	--	--	--	4 J	3 J	--	--
1,1-Dichloroethane	--	--	--	--	--	4 J	4 J	--	--
1,2-Dichloroethene (total)	--	--	--	--	--	2 J	2 J	--	--
Chloroform	--	180 J	--	--	--	--	--	--	--
1,2-Dichloroethane	2400	16000	840 J	5600	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--	--
Trichloroethene	--	160 J	--	360 J	--	--	--	--	--
Benzene	2700 J	4600 J	2400 J	4300 J	2300	1 J	1 J	560	38 J
4-Methyl-2-pentanone	1900	1800	730 J	660 J	--	--	--	--	--
Tetrachloroethene	--	--	--	510 J	--	--	--	--	--
Toluene	530 J	2300	4800	2600	220 J	--	--	60 J	31 J
Chlorobenzene	4200	8600	7000	12000	4500	19	19	3400	1300
Ethylbenzene	--	--	410 J	260 J	42 J	--	--	25 J	14 J
Xylenes	--	700 J	340 J	960 J	63 J	--	--	--	44 J
Total VOCs	29000	34580	16520	27250	7125	30	29	4045	1427

ug/L Micrograms per liter.
J Estimated value.
-- Not detected.
VOCs Volatile organic compounds.

Only those compounds detected are listed.

0559

Table 5-14 Summary of Target Compound List Volatile Organic Compounds Detected in Groundwater Samples, Sauget Site R, Monsanto Company, Sauget, Illinois

	Deep Zone				Bedrock Zone				
Sample Identification	GM-55C	GM-56C	GM-57C	GM-62C	GM-106	GM-106-DUP	Trip Blank	Trip Blank	Trip Blank
Sample Date	6/8/92	6/5/92	6/5/92	6/9/92	6/8/92	6/8/92	6/3/92	6/4/92	6/5/92
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Parameters									
Methylene chloride	--	--	--	--	--	--	--	--	--
Acetone	--	420	350	--	--	--	--	--	--
Carbon disulfide	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--	--
1,2-Dichloroethene (total)	--	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	300	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--	--
Trichloroethene	--	17 J	16 J	--	32 J	33 J	--	--	--
Benzene	48 J	54 J	230	20	92 J	94 J	--	--	--
4-Methyl-2-pentanone	--	--	100	--	--	--	--	--	--
Tetrachloroethene	--	--	--	--	51 J	57 J	--	--	--
Toluene	84 J	240	230	--	560	580	--	--	--
Chlorobenzene	2500	740	930	130	1900	2000	--	--	--
Ethylbenzene	87 J	16 J	15 J	--	100 J	100	--	--	--
Xylenes	300	110	80 J	--	870	920	--	--	--
Total VOCs	3019	1597	2251	150	3605	3784	--	--	--

ug/L Micrograms per liter.
J Estimated value.
-- Not detected.
VOCs Volatile organic compounds.

Only those compounds detected are listed.

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Table 5-14 Summary of Target Compound List Volatile Organic Compounds Detected in Groundwater Samples, Sauget Site R, Monsanto Company, Sauget, Illinois

Parameters	Sample Identification: Sample Date: Units:	Trip Blank 6/8/92 ug/L	Trip Blank 6/9/92 ug/L	Trip Blank 6/10/92 ug/L	Equipment Blank 6/3/92 ug/L	Equipment Blank 6/4/92 ug/L	Equipment Blank 6/5/92 ug/L	Equipment Blank 6/8/92 ug/L	Equipment Blank 6/9/92 ug/L	Equipment Blank 6/10/92 ug/L
Methylene chloride		--	--	--	--	--	--	--	--	--
Acetone		--	--	--	--	15 J	--	16	9 J	15
Carbon disulfide		--	--	--	--	--	--	--	--	--
1,1-Dichloroethane		--	--	--	--	--	--	--	--	--
1,2-Dichloroethene (total)		--	--	--	--	--	--	--	--	--
Chloroform		--	--	--	--	--	--	--	--	--
1,2-Dichloroethane		--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane		--	--	--	--	--	--	--	--	--
Trichloroethene		--	--	--	--	--	--	--	--	--
Benzene		--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone		--	--	--	--	--	--	--	--	--
Tetrachloroethene		--	--	--	--	--	--	--	--	--
Toluene		--	--	--	--	--	--	--	--	--
Chlorobenzene		--	--	3 J	--	1 J	--	--	--	--
Ethylbenzene		--	--	--	--	--	--	--	--	--
Xylenes		--	--	--	--	--	--	--	--	--
Total VOCs		--	--	3	--	16	--	16	9	15

ug/L Micrograms per liter.
J Estimated value.
-- Not detected.
VOCs Volatile organic compounds.

Only those compounds detected are listed.

Table 5-15 Summary of Target Compound List Semivolatile Organic Compound Parameters Detected in Groundwater Samples, Sauget Site R, Monsanto Company, Sauget, Illinois.

	Shallow Zone				Intermediate Zone				
Sample Identification	P-6	P-7	P-14	GM-62A	GM-27B	GM-28B	P-1	P-2	P-3
Sample Date	6/3/92	6/4/92	6/5/92	6/10/92	6/9/92	6/5/92	6/3/92	6/3/92	6/3/92
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Parameters									
Aniline	--	2600 DJ	2 J	--	2400000 DJ	--	--	--	160 DJ
Phenol	34 J	18000 DJ	7 J	--	--	2500 J	--	47000 J	--
2-Chlorophenol	9 J	640 J	68 J	--	--	--	20 J	11000 J	--
1,3-Dichlorobenzene	--	--	--	--	--	--	3 J	--	--
1,4-Dichlorobenzene	13 J	190 J	22 J	--	13000 J	--	24 J	--	--
1,2-Dichlorobenzene	11 J	120 J	12 J	--	--	6500 J	4 J	2200 J	0.7 J
2-Methylphenol	--	--	--	--	--	--	--	--	--
4-Methylphenol	--	27 J	--	--	7100 J	--	--	9800 J	--
Nitrobenzene	--	88 J	--	--	--	--	--	--	--
2-Chloroaniline	530 J	85000 D	--	--	--	130000 DJ	62 J	41000 J	68 J
2,4-Dimethylphenol	--	--	--	--	--	--	--	2400 J	19 J
2,4-Dichlorophenol	--	1500 J	2 J	--	--	6000 J	--	12000 J	0.7 J
1,2,4-Trichlorobenzene	--	5 J	--	--	--	--	--	--	--
Naphthalene	--	93 J	--	--	--	--	1 J	11000 J	--
3-Chloroaniline	270 DJ	4700 DJ	47 J	--	500000 DJ	220000 DJ	1700 DJ	35000 J	1400 DJ
4-Chloroaniline	1600 DJ	22000 DJ	200 J	--	1000000 DJ	320000 DJ	450 DJ	44000 J	680 DJ
2,4,6-Trichlorophenol	--	450 J	--	--	--	--	--	3800 J	0.4 J
Acenaphthene	--	--	--	--	--	--	--	--	0.2 J
4-Nitrophenol	--	84 J	--	--	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	0.6 J	--	0.4 J
Di-n-butylphthalate	--	--	--	--	--	--	--	--	0.2 J
Fluoranthene	--	--	--	--	--	--	1 J	--	0.2 J
Pyrene	--	--	--	--	--	--	0.6 J	--	--
Butylbenzylphthalate	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	--	--	3 J	--	--	2 J	--	--
Di-n-octylphthalate	--	--	--	--	--	--	--	--	--
Total SVOCs	2467	135497	360	3	3920100	685000	2268.2	219200	2329.8

ug/L	Micrograms per liter.
J	Estimated value.
E	Compound exceeded the calibration range.
D	Compound determined at a secondary dilution factor.
--	Not detected.
SVOCs	Semivolatile organic compounds.

Only those compounds detected are listed.

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Table 5-15. Summary of Target Compound List Semivolatile Organic Compound Parameters Detected in Groundwater Samples, Sauget Site R, Monsanto Company, Sauget, Illinois.

	Intermediate Zone							Deep Zone	
Sample Identification:	P-8	P-10	P-11	P-12	P-13	GM-62B	GM-62B Dup	GM-27C	GM-28C
Sample Date:	6/4/92	6/4/92	6/4/92	6/4/92	6/8/92	6/9/92	6/9/92	6/9/92	6/8/92
Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Parameters									
Aniline	40000 J	19000 J	95000 DJ	--	86000 DJ	30 J	14 J	92000 DJ	1200 J
Phenol	57000 J	83000 J	5400 J	120000 DJ	--	--	--	--	310 J
2-Chlorophenol	13000 J	26000 J	--	21000 DJ	--	--	--	--	92 J
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	300 J	--	200 J	3 J	2 J	1200 J	140 J
1,2-Dichlorobenzene	--	--	34 J	1500 J	--	9 J	1 J	--	220000 DJ
2-Methylphenol	--	--	--	960 J	--	--	--	--	--
4-Methylphenol	1800 J	5400 J	2700 J	3400 DJ	--	--	--	--	--
Nitrobenzene	3600 J	2500 J	--	150 J	--	--	--	--	--
2-Chloroaniline	100000 EJ	140000 J	--	13000 EJ	1200 J	--	--	22000 J	15000 EJ
2,4-Dimethylphenol	430 J	920 J	580 J	480 J	39 J	--	--	--	--
2,4-Dichlorophenol	10000 J	18000 J	170 J	25000 DJ	--	1 J	1 J	--	760 J
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	76 J
Naphthalene	11000 J	--	--	13000 DJ	--	--	--	--	--
3-Chloroaniline	18000 J	9700 J	22000 J	5400 DJ	5800 EJ	16 J	--	77000 J	1400000 DJ
4-Chloroaniline	59000 J	29000 J	38000 J	10000 DJ	4300 EJ	19 J	5 J	49000 J	2300000 DJ
2,4,6-Trichlorophenol	830 J	--	--	6400 DJ	--	--	0.6 J	--	120 J
Acenaphthene	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	--	--	73 J	--	--	--	--	--	--
Fluoranthene	--	--	--	--	--	--	--	--	--
Pyrene	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	--	--	0.2 J	--	--
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	17 J	29 J	--	33 J
Di-n-octylphthalate	--	--	--	--	--	--	--	--	--
Total SVOCs	314660	333520	164257	220290	97539	95	52.8	241200	3937731

ug/L Micrograms per liter.
J Estimated value.
E Compound exceeded the calibration range.
D Compound determined at a secondary dilution factor.
-- Not detected.
SVOCs Semivolatile organic compounds.

Only those compounds detected are listed.

0533

Table 5-15. Summary of Target Compound List Semivolatile Organic Compound Parameters Detected in Groundwater Samples, Sauget Site R, Monsanto Company, Sauget, Illinois.

	Deep Zone				Bedrock Zone				
Sample Identification:	GM-55C	GM-56C	GM-57C	GM-62C	GM-106	GM-106-DUP	Equipment Blank	Equipment Blank	Equipment Blank
Sample Date:	6/8/92	6/5/92	6/5/92	6/9/92	6/8/92	6/8/92	6/3/92	6/4/92	6/5/92
Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Parameters									
Aniline	120 J	3800 J	2300 J	6 J	23000 J	6200 J	--	54 J	2 J
Phenol	--	--	3500 J	--	--	--	42 J	70 J	--
2-Chlorophenol	--	--	--	--	4800 J	880 J	15 J	18 J	2 J
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	93 J	--	--	2 J	--	--	0.4 J	2 J	--
1,2-Dichlorobenzene	5700 DJ	--	--	2 J	2900 J	580 J	3 J	--	--
2-Methylphenol	--	--	--	--	--	--	--	--	--
4-Methylphenol	--	--	--	--	--	--	3 J	4 J	--
Nitrobenzene	8 J	--	--	--	5000 J	840 J	1 J	2 J	--
2-Chloroaniline	9600 EJ	200000 J	80000 J	--	1600000 EJ	390000 EJ	64 J	100 EJ	48 J
2,4-Dimethylphenol	--	--	--	--	--	--	0.6 J	0.6 J	--
2,4-Dichlorophenol	270 J	--	5000 J	2 J	33000 J	6400 J	6 J	10 J	3 J
1,2,4-Trichlorobenzene	140 J	--	--	--	--	--	--	--	--
Naphthalene	--	--	--	--	--	--	--	4 J	--
3-Chloroaniline	7100 EJ	15000 J	--	5 J	100000 J	21000 J	6 J	17 J	3 J
4-Chloroaniline	9400 DJ	62000 J	27000 J	--	160000 J	40000 J	15 J	31 J	6 J
2,4,6-Trichlorophenol	22 J	--	--	--	43000 J	8600 J	--	--	--
Acenaphthene	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--	--	--	0.2 J	--
Fluoranthene	--	--	--	--	--	--	--	0.2 J	--
Pyrene	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	220 J	--	--	7 J	--	--	--	2 J	--
Di-n-octylphthalate	--	--	--	--	--	--	--	--	--
Total SVOCs	32673	280800	117800	24	1971700	474500	156	315	64

ug/L	Micrograms per liter.
J	Estimated value.
E	Compound exceeded the calibration range.
D	Compound determined at a secondary dilution factor.
--	Not detected.
SVOCs	Semivolatile organic compounds.

Only those compounds detected are listed.

SEMIWTR.XLS

Revised date
Geology and Hydrogeology
0591

Table 5-15. Summary of Target Compound List Semivolatile Organic Compound Parameters Detected in Groundwater Samples, Sauget Site R, Monsanto Company, Sauget, Illinois.

Sample Identification:	Equipment Blank	Equipment Blank	Equipment Blank
Sample Date:	6/8/92	6/9/92	6/10/92
Units:	ug/L	ug/L	ug/L
Parameters			
Aniline	21 J	--	--
Phenol	--	--	--
2-Chlorophenol	--	--	--
1,3-Dichlorobenzene	--	--	--
1,4-Dichlorobenzene	--	--	--
1,2-Dichlorobenzene	--	--	--
2-Methylphenol	--	--	--
4-Methylphenol	--	--	--
Nitrobenzene	--	--	--
2-Chloroaniline	--	--	--
2,4-Dimethylphenol	--	--	--
2,4-Dichlorophenol	--	--	--
1,2,4-Trichlorobenzene	--	--	--
Naphthalene	--	--	--
3-Chloroaniline	--	--	--
4-Chloroaniline	--	--	--
2,4,6-Trichlorophenol	--	--	--
Acenaphthene	--	--	--
4-Nitrophenol	--	--	--
Phenanthrene	--	--	--
Di-n-butylphthalate	--	--	--
Fluoranthene	--	--	--
Pyrene	--	--	--
Butylbenzylphthalate	--	--	--
bis(2-Ethylhexyl)phthalate	13 J	--	3 J
Di-n-octylphthalate	--	--	--
Total SVOCs	34	--	3

ug/L	Micrograms per liter.
J	Estimated value.
E	Compound exceeded the calibration range.
D	Compound determined at a secondary dilution factor.
--	Not detected.
SVOCs	Semivolatile organic compounds.

Only those compounds detected are listed.

0565

Table 5-16 Summary of Target Compound List Pesticides, PCBs, and Herbicides Detected in Groundwater Samples, Sauget Site R, Monanto Company, Sauget, Illinois.

	Shallow Zone				Intermediate Zone					
Sample Location:	P-6	P-7	P-14	GM-62A	GM-27B	GM-28B	P-1	P-2	P-3	P-8
Sample Date:	6/3/92	6/4/92	6/5/92	6/9/92	6/9/92	6/5/92	6/3/92	6/3/92	6/3/92	6/4/92
Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Parameter										
Pesticides/PCBs										
alpha-BHC	--	--	--	--	--	--	--	--	--	--
beta-BHC	--	--	--	--	0.057 P	--	--	--	--	--
delta-BHC	--	--	--	--	--	0.063 P	--	--	--	--
gamma-BHC (Lindane)	--	--	--	--	--	--	--	--	--	--
Heptachlor	--	--	--	--	--	--	--	--	--	--
Aldrin	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide	--	--	--	--	R	--	--	--	--	--
Endosulfan I	--	--	--	--	--	--	--	--	--	--
Dieldrin	--	--	--	--	0.17 P	--	--	--	--	--
4,4'-DDE	--	--	--	--	--	--	--	--	--	--
Endrin	--	--	--	--	--	--	--	--	--	--
Endosulfan II	--	--	--	--	0.15 P	--	--	--	--	--
4,4'-DDD	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	--	--	--	--	--	--	--	--	--	--
4,4'-DDT	--	--	--	--	--	--	--	--	--	--
Methoxychlor	--	--	--	--	--	--	--	--	--	--
Endrin ketone	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	--	R	--	--	--	--	--	--	--	--
gamma-Chlordane	--	--	--	--	--	--	--	--	--	--
Toxaphene	--	--	--	--	--	--	--	--	--	--
Aroclor-1016	--	--	--	--	--	--	--	--	--	--
Aroclor-1221	--	--	--	--	--	--	--	--	--	--
Aroclor-1232	--	--	--	--	--	--	--	--	--	--
Aroclor-1242	--	--	--	--	--	--	--	--	--	--
Aroclor-1248	--	--	--	--	--	--	--	--	--	--
Aroclor-1254	--	--	--	--	--	--	--	--	--	--
Aroclor-1260	--	--	--	--	--	--	--	--	--	--
Herbicides										
2,4-D	NA	850	NA	NA	--	8.1	NA	NA	NA	NA
2,4,5-T	NA	--	NA	NA	--	1.1	NA	NA	NA	NA

ug/L Micrograms per liter.
-- Not detected.
NA Not analyzed.
P Precision criteria were not met.
R Unusable value.
N Presumptive evidence of the compound is present.
J Estimated value.
PCBs Polychlorinated biphenyls.

Only those compounds detected are listed.

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Table 5-16. Summary of Target Compound List Pesticides, PCBs, and Herbicides Detected in Groundwater Samples, Sauget Site R, Monanto Company, Sauget, Illinois

	Intermediate Zone						Deep Zone			
Sample Location	P-10	P-11	P-12	P-13	GM-62B	GM-62B Dup	GM-27C	GM-28C	GM-55C	GM-56C
Sample Date	6/4/92	6/4/92	6/4/92	6/8/92	6/9/92	6/9/92	6/9/92	6/8/92	6/8/92	6/5/92
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Parameter										
Pesticides/PCBs										
alpha-BHC	--	--	--	R	--	--	--	--	--	--
beta-BHC	--	--	--	R	--	--	--	--	--	--
delta-BHC	--	--	--	R	--	--	--	--	--	--
gamma-BHC (Lindane)	--	--	--	R	--	--	--	--	--	--
Heptachlor	--	--	--	R	--	--	--	--	--	--
Aldrin	--	--	--	R	--	--	--	--	--	--
Heptachlor epoxide	--	R	--	R	--	--	--	--	--	--
Endosulfan I	--	--	--	R	--	--	--	--	--	0.062 P
Dieldrin	--	--	--	R	--	--	--	--	--	--
4,4'-DDE	--	--	--	R	--	--	--	--	--	--
Endrin	--	--	--	R	--	--	--	--	--	--
Endosulfan II	--	--	--	0.10 J	--	--	--	--	--	--
4,4'-DDD	--	--	--	R	--	--	--	--	--	3.4 JN
Endosulfan sulfate	--	--	--	R	--	--	--	--	--	--
4,4'-DDT	--	--	--	R	--	--	--	--	--	--
Methoxychlor	--	--	--	R	--	--	--	--	--	--
Endrin ketone	--	--	--	R	--	--	--	--	--	--
Endrin aldehyde	--	--	--	R	--	--	--	--	--	--
alpha-Chlordane	--	--	--	R	--	--	--	--	--	--
gamma-Chlordane	--	--	--	R	--	--	--	--	--	--
Toxaphene	--	--	--	R	--	--	--	--	--	--
Aroclor-1016	--	--	--	R	--	--	--	--		--
Aroclor-1221	--	--	--	R	--	--	--	--		--
Aroclor-1232	--	--	--	R	--	--	--	--	--	--
Aroclor-1242	--	--	--	R	--	--	--	--	--	--
Aroclor-1248	--	--	--	R	--	--	--	--	--	--
Aroclor-1254	--	--	--	R	--	--	--	--	--	--
Aroclor-1260	--	--	--	R	--	--	--	--	--	--
Herbicides										
2,4-D	NA	NA	22000	NA	NA	NA	NA	NA	NA	15
2,4,5-T	NA	NA	--	NA	NA	NA	NA	NA	NA	19

ug/L Micrograms per liter.
-- Not detected.
NA Not analyzed.
P Precision criteria were not met.
R Unusable value.
N Presumptive evidence of the compound is present.
J Estimated value.
PCBs Polychlorinated biphenyls.

Only those compounds detected are listed.

TARPEST 3

Table 5-16 Summary of Target Compound List Pesticides, PCBs, and Herbicides Detected in Groundwater Samples, Sauget Site R, Monanto Company, Sauget, Illinois

	----Deep Zone----		----Bedrock Zone----							
Sample Location:	GM-57C	GM-62C	GM-106	GM-106-DUP	Equipment Blank	Equipment Blank	Equipment Blank	Equipment Blank	Equipment Blank	Equipment Blank
Sample Date:	6/5/92	6/9/92	6/8/92	6/8/92	6/3/92	6/4/92	6/5/92	6/8/92	6/9/92	6/10/92
Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Parameter										
Pesticides/PCBs										
alpha-BHC	--	--	--	--	--	--	--	--	--	--
beta-BHC	--	--	--	--	--	--	--	--	--	--
delta-BHC	--	--	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	--	--	--	--	--	--	--	--	--	--
Heptachlor	--	--	--	--	--	--	--	--	--	--
Aldrin	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide	--	--	--	--	--	--	--	--	--	--
Endosulfan I	R	--	--	--	--	--	--	--	--	--
Dieldrin	--	--	--	--	--	--	--	--	--	--
4,4'-DDE	--	--	--	--	--	--	--	--	--	--
Endrin	--	--	--	--	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--	--	--	--	--
4,4'-DDD	R	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	--	--	--	--	--	--	--	--	--	--
4,4'-DDT	--	--	--	--	--	--	--	--	--	--
Methoxychlor	2.1 J	--	--	--	--	--	--	--	--	--
Endrin ketone	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	--	--	--	--	--	--	--	--	--	--
Toxaphene	--	--	--	--	--	--	--	--	--	--
Aroclor-1016	--	--	--	--	--	--	--	--	--	--
Aroclor-1221	--	--	--	--	--	--	--	--	--	--
Aroclor-1232	--	--	--	--	--	--	--	--	--	--
Aroclor-1242	--	--	--	--	--	--	--	--	--	--
Aroclor-1248	--	--	--	--	--	--	--	--	--	--
Aroclor-1254	--	--	--	--	--	--	--	--	--	--
Aroclor-1260	--	--	--	--	--	--	--	--	--	--
Herbicides										
2,4-D	1100 J	NA	NA	NA	NA	R	--	NA	NA	NA
2,4,5-T	R	NA	NA	NA	NA	R	--	NA	NA	NA

ug/L Micrograms per liter.
-- Not detected.
NA Not analyzed.
P Precision criteria were not met.
R Unusable value.
N Presumptive evidence of the compound is present.
J Estimated value.
PCBs Polychlorinated biphenyls.

Only those compounds detected are listed.

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0568

Table 5-17. Summary of Target Analyte List Parameters Detected in Groundwater Samples, Sauget Site R, Monsanto Company, Sauget, Illinois.

	Shallow Zone				Intermediate Zone				
Sample Location:	P-6	P-7	P-14	GM-62A	GM-27B	GM-28B	P-1	P-2	P-3
Sample Date:	6/3/92	6/4/92	6/5/92	6/9/92	6/9/92	6/5/92	6/3/92	6/3/92	6/3/92
Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved
Parameter									
Arsenic	35.6	--	--	--	--	--	73.8	98.0	100
Barium	431	31.8 B	266	170 B	1300	94.5 B	538	547	818
Calcium	462000	544000	334000	181000	216000	111000	136000	215000	337000
Cobalt	--	24.1 B	--	--	--	--	--	--	--
Iron	991	11100	3000	368	74100	8610	50600	42400	47900
Magnesium	35500	39000	36300	32900	52700	42800	62000	65500	64900
Manganese	2120	8040	4100	846	3720	252	2170	1880	1640
Mercury	--	--	--	--	0.20	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Potassium	27700	20600	21400	5510	13200	8130	9740	10000	11300
Sodium	102000	67000	218000	37100	343000	71500	137000	201000	110000
Thallium	R	R	R	--	--	R	R	R	R
Zinc	--	--	--	--	--	3420	--	--	--

ug/L Micrograms per liter.
-- Not detected.
B Analyte detected between the contract required detection limit and the instrument detection limit.
R Unusable value.

Only those compounds detected are listed.

Table 5-17. Summary of Target Analyte List Parameters Detected in Groundwater Samples, Sauget Site R, Monsanto Company, Sauget, Illinois.

	Intermediate Zone							Deep Zone	
Sample Location:	P-8	P-10	P-11	P-12	P-13	GM-62B	GM-62B Dup	GM-27C	GM-28C
Sample Date:	6/4/92	6/4/92	6/4/92	6/4/92	6/8/92	6/9/92	6/9/92	6/9/92	6/8/92
Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved
Parameter									
Arsenic	--	17.5	94.8	27.5	191	--	--	--	--
Barium	621	329	1190	329	1110	403	401	1550	85.8 B
Calcium	292000	209000	244000	289000	271000	192000	195000	315000	105000
Cobalt	--	--	--	--	--	--	--	--	--
Iron	14700	52700	105000	27400	114000	22100	22400	19500	16300
Magnesium	76800	55800	66800	88900	67500	50500	50400	97700	62000
Manganese	5870	3610	1380	4380	4630	1760	1760	1720	327
Mercury	--	--	--	--	--	--	--	--	--
Nickel	104	--	--	--	--	--	--	--	--
Potassium	20500	12500	9070	13500	12800	10000	1000-	11500	9230
Sodium	524000	446000	475000	432000	275000	106000	106000	249000	67800
Thallium	R	R	R	R	--	--	--	--	--
Zinc	76.4	31.2	68.9	--	--	--	--	--	--

ug/L Micrograms per liter.
-- Not detected.
B Analyte detected between the contract required detection limit and the instrument detection limit.
R Unusable value.

Only those compounds detected are listed.

Table 5-17 Summary of Target Analyte List Parameters Detected in Groundwater Samples, Sauget Site R, Monsanto Company, Sauget, Illinois.

	Deep Zone				Bedrock Zone				
Sample Location:	GM-55C	GM-56C	GM-57C	GM-62C	GM-106	GM-106-DUP	Equipment Blank	Equipment Blank	Equipment Blank
Sample Date:	6/8/92	6/5/92	6/5/92	6/9/92	6/8/92	6/8/92	6/3/92	6/4/92	6/5/92
Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved
Parameter									
Arsenic	--	--	--	--	25.2	29.7	--	--	--
Barium	133 B	39.5 B	179 B	206	128 B	121 B	--	--	--
Calcium	276000	110000	191000	201000	25400	25200	91.3 B	57.7 B	94.3 B
Cobalt	--	--	--	--	--	--	--	--	--
Iron	2100	12500	19800	29200	--	--	--	--	--
Magnesium	71100	66500	67400	40400	23100	22500	--	--	--
Manganese	520	639	569	1880	--	--	--	--	--
Mercury	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--
Potassium	8950	9170	9760	8970	6010	5910	--	--	--
Sodium	54300	97700	132000	34600	250000	237000	--	--	--
Thallium	--	R	R	--	--	--	R	R	R
Zinc	--	1100	1770	--	--	--	--	--	--

ug/L Micrograms per liter.
-- Not detected.
B Analyte detected between the contract required detection limit and the instrument detection limit.
R Unusable value.

Only those compounds detected are listed.

0571
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