

Table A.1.a (Page 1 of 1)
Historical Groundwater Sample Analytical Results Summary
Suggar Property
3100 60th Street
Kenosha, WI

Parameters	Sample Information / Results				Groundwater Quality Standards	
Sample ID Sample Date	GP-12W 4/25/06	DP-1W 8/5/10	DP-2W 8/5/10	MW-8 7/14/10	PAL	ES
VOCs (ug/l)					ug/l	ug/l
n-Butylbenzene	NA	3.5	1.4	42.4	NS	NS
sec-Butylbenzene	NA	7.1	1.0	17.2	NS	NS
tert-Butylbenzene	NA	<0.97	<0.97	<9.7	NS	NS
Chloromethane	NA	<u>0.37</u>	<u>0.54</u>	<2.4	0.3	3
Ethylbenzene	<5.00	<0.54	<0.54	774	140	700
Isopropylbenzene (Cumene)	NA	4.5	1.1	149	NS	NS
p-Isopropyltoluene	NA	<0.67	<0.67	8.8	NS	NS
n-Propylbenzene	NA	4.9	4.7	480	NS	NS
1,2,4-Trimethylbenzene	<5.00	1.7	15.4	1,140	96 (1)	480 (1)
1,3,5-Trimethylbenzene	<5.00	<0.83	1.4	<8.3	96 (1)	480 (1)
Xylenes	<5.00	<1.63	<1.63	<u>473.5</u>	400	2000

Notes:

Table includes detected analytes only, which are right justified in the columns.

Italic type indicates concentration exceeds PAL.

Bold type indicates concentration exceeds ES.

VOCs - Volatile Organic Compounds

PAL - NR 140 Preventive Action Limit

ES - NR 140 Enforcement Standard

NA - Not analyzed or not applicable

(1) - The groundwater quality stanadards are applied to the combined concentrations of 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Table A.1.b (Page 1 of 2)
Groundwater Grab Sample Analytical Results Summary
Suggar Property
3301 60th Street
Kenosha, WI

Parameters	Sample Information / Results					Groundwater Quality Standards	
Sample ID Sample Date	DP-3W 12/12/16	DP-4W 12/12/16	DP-5W 1/10/17	DP-6W 1/10/17	DP-7W 12/12/16	PAL	ES
VOCs (ug/l)						ug/l	ug/l
n-Butylbenzene	<0.50	183	387	<0.50	57.2	NS	NS
sec-Butylbenzene	<2.2	<273	<219	<2.2	<43.7	NS	NS
tert-Butylbenzene	<0.18	<22.5	<18.0	<0.18	<3.6	NS	NS
Chloromethane	<0.50	<62.5	<0.50	<0.50	<10.0	0.3	3
Ethylbenzene	<0.50	5,000	1,130	<0.50	23.5	140	700
Isopropylbenzene (Cumene)	<0.14	219	326	<0.14	75.5	NS	NS
p-Isopropyltoluene	<0.50	102	63.4	<0.50	24.7	NS	NS
n-Propylbenzene	<0.50	785	1,350	<0.50	282	NS	NS
1,2,4-Trimethylbenzene	<0.50	5.110	6.860	<0.50	1.310	96 (1)	480 (1)
1,3,5-Trimethylbenzene	<0.50	<62.5	65.4	<0.50	<10.0	96 (1)	480 (1)
Xylenes	<1.50	4,062.5	1,250	<1.50	27.4	400	2000

Notes:

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VOCs - Volatile Organic Compounds

PAL - NR 140 Preventive Action Limit

ES - NR 140 Enforcement Standard

NA - Not analyzed or not applicable

(1) - The groundwater quality stanadards are applied to the combined concentrations of 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Table A.1.b (Page 2 of 2)
Groundwater Grab Sample Analytical Results Summary
Suggar Property
3301 60th Street
Kenosha, WI

Parameters	Sample Information / Results				Groundwater Quality Standards	
Sample ID	DP-8W	DP-9W	DP-10W	DP-11W	PAL	ES
Sample Date	1/10/17	12/12/16	12/12/16	1/10/17		
VOCs (ug/l)					ug/l	ug/l
n-Butylbenzene	42.1	<0.50	<0.50	<0.50	NS	NS
sec-Butylbenzene	22.7	<2.2	<2.2	<2.2	NS	NS
tert-Butylbenzene	3.1	<0.18	<0.18	<0.18	NS	NS
Chloromethane	<5.0	<0.50	<0.50	<0.50	0.3	3
Ethylbenzene	16.4	<0.50	<0.50	<0.50	140	700
Isopropylbenzene (Cumene)	62.1	<0.14	<0.14	<0.14	NS	NS
p-Isopropyltoluene	9.0	<0.50	<0.50	<0.50	NS	NS
n-Propylbenzene	182	<0.50	<0.50	<0.50	NS	NS
1,2,4-Trimethylbenzene	<u>520</u>	<0.50	<0.50	<0.50	96 (1)	480 (1)
1,3,5-Trimethylbenzene	<u>21.2</u>	<0.50	<0.50	<0.50	96 (1)	480 (1)
Xylenes	20.6	<1.50	<1.50	<1.50	400	2000

Notes:

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Italic type indicates concentration exceeds PAL.

Bold type indicates concentration exceeds ES.

VOCs - Volatile Organic Compounds

PAL - NR 140 Preventive Action Limit

ES - NR 140 Enforcement Standard

NA - Not analyzed or not applicable

(1) - The groundwater quality standards are applied to the combined concentrations of 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Table A.1.c (Page 1 of 2)
Groundwater Sample Analytical Results Summary
Suggar Property
3301 60th Street
Kenosha, WI

Parameters	Sample Information / Results								Groundwater Quality Standards	
Sample ID	MW-1		MW-2		MW-3		MW-4		PAL	ES
Sample Date	6/6/18	6/13/19	6/6/18	6/13/19	6/6/18	6/13/19	12/20/18	6/13/19		
PVOCs (ug/l)									ug/l	ug/l
Benzene	<u>3.9</u>	<u>1.9</u>	<0.31	<0.31	<0.31	1.8	<0.31	<0.31	0.5	5
Ethylbenzene	2800	1680	<0.33	<0.33	1250	1170	<0.33	<0.33	140	700
Methyl-tert-butyl-ether	9.6	6.1	<0.32	<0.32	5.7	6.2	<0.32	<0.32	12	60
Naphthalene	<u>17.9</u>	4.9	<0.51	<0.51	7.9	4.8	<0.51	<0.51	10	100
Toluene	14.6	5.5	<0.49	<0.49	5.1	4.6	<0.49	<0.49	160	800
1,2,4-Trimethylbenzene	<u>231</u>	84.6	<0.34	<0.34	1080	809	<0.34	<0.34	96 (1)	480 (1)
1,3,5-Trimethylbenzene	<u>5.4</u>	1.5	<0.33	<0.33	76.2	15.2	<0.33	<0.33	96 (1)	480 (1)
Xylenes	<u>988.7</u>	365.1	<0.98	<0.98	<u>936.9</u>	<u>830.1</u>	<0.98	<0.98	400	2000

Notes:

Table includes detected analytes only, which are right justified in the columns.

Italic type indicates concentration exceeds PAL.

Bold type indicates concentration exceeds ES.

PVOCs - Petroleum Volatile Organic Compounds

PAL - NR 140 Preventive Action Limit

ES - NR 140 Enforcement Standard

NA - Not analyzed or not applicable

(1) - The groundwater quality stanadards are applied to the combined concentrations of 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Table A.1.c (Page 2 of 2)
Groundwater Sample Analytical Results Summary
3301 60th Street
Suggar Property
Kenosha, WI

Parameters	Sample Information / Results										Groundwater Quality Standards		
	Sample ID	MW-5		MW-6		MW-7		MW-8		MW-9	PAL	ES	
Sample Date	6/6/18	6/13/19	12/20/18	6/13/19	12/20/18	6/13/19	12/20/18	6/13/19	12/20/18	6/13/19	1/27/20		
PVOCs (ug/l)												ug/l	ug/l
Benzene	<0.31	<0.31	5.2	<i>1.7</i>	79.2	42.6	<i>2.4</i>	<i>2.1</i>	<0.25		0.5	5	
Ethylbenzene	<0.33	<0.33	552	<i>153</i>	2690	1440	<i>455</i>	<i>584</i>	<0.22		140	700	
Methyl-tert-butyl-ether	<0.32	<0.32	<i>20.7</i>	5.2	<i>51.2</i>	<i>21.2</i>	6.6	6.7	<1.2		12	60	
Naphthalene	<0.51	<0.51	80.5	<i>19.6</i>	277	127	3.1	2.9	<1.2		10	100	
Toluene	<0.49	<0.49	12.7	4.8	<i>648</i>	<i>475</i>	2.7	4.5	<0.17		160	800	
1,2,4-Trimethylbenzene	<0.34	<0.34	10.9	2.3	1250	663	<i>99.9</i>	<i>162</i>	<0.84		96 (1)	480 (1)	
1,3,5-Trimethylbenzene	<0.33	<0.33	45.0	16.0	304	166	<i><0.66</i>	<i><1.3</i>	<0.87		96 (1)	480 (1)	
Xylenes	<0.98	<0.98	34.8	9.8	2565	<i>1405</i>	47.4	63.3	<1.5		400	2000	

Notes:

Table includes detected analytes only, which are right justified in the columns.

Italic type indicates concentration exceeds PAL.

Bold type indicates concentration exceeds ES.

PVOCs - Petroleum Volatile Organic Compounds

PAL - NR 140 Preventive Action Limit

ES - NR 140 Enforcement Standard

NA - Not analyzed or not applicable

(1) - The groundwater quality stanadards are applied to the combined concentrations of 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Table A.1.d (Page 1 of 1)
 Groundwater Sample Analytical Results Summary - Monitoring Well MW-8
 3301 60th Street
 Suggar Property
 Kenosha, WI

Sample ID Sample Collection Date Analyte	MW-8										NR 140 Standards	
	07/09/08	10/17/08	10/19/09	01/13/10	04/28/10	07/14/10	11/09/10	04/13/11	06/06/18	06/13/19	PAL	ES
PVOCs/Naphthalene (ug/l)												
Benzene	<2.5	<2.5	6.6	NA	<u>4.0</u>	<1.9	<3.9	<2.5	<u>2.4</u>	<u>2.1</u>	0.5	5
Ethylbenzene	<i>410</i>	<i>440</i>	997	NA	785	<i>669</i>	816	<i>560</i>	<i>455</i>	<i>584</i>	140	700
Methyl tert-butyl ether	<2.3	<2.3	10.2	NA	7.6	9.5	6.9	<2.3	6.6	6.7	12	60
Napthalene	<5.0	<5.0	6.8	NA	5.5	7.7	<u>15.9</u>	<u>26</u>	3.1	2.9	10	100
Toluene	4.8	3.7	6.3	NA	7.9	8.8	10.3	<2.5	2.7	4.5	160	800
1,2,4 -Trimethyl benzene	740	720	1210	NA	986	913	1090	780	<u>99.9</u>	<u>162</u>	96(1)	480(1)
1,3,5-Trimethylbenzene	<2.8	<1.9	<4.0	NA	<4.0	<2.0	<4.0	<1.9	<0.66	<1.3	96(1)	480(1)
Total Xylenes	230	280	<u>661.1</u>	NA	<u>508.8</u>	<u>414.9</u>	<u>504.8</u>	280	47.4	63.3	400	2,000

Notes:

Table includes detected analytes only.

Italic type indicates concentration exceeds PAL.

Bold type indicates concentration exceeds ES.

PVOCs - Petroleum Volatile Organic Compounds

PAL - NR 140 Preventive Action Limit

ES - NR 140 Enforcement Standard

NA - Well Inaccessible Due to Ice

(1) - The groundwater quality stanadards are applied to the combined concentrations of 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.