

TEXTTOX MENU #2 - INTERMITTENT STREAM WITHIN 3 MILES OF A FRESHWATER PERENNIAL STREAM/RIVER

The water quality-based effluent limitations developed below are calculated using:

Table 1, 2014 Texas Surface Water Quality Standards (30 TAC 307) for Freshwater Aquatic Life

Table 2, 2018 Texas Surface Water Quality Standards for Human Health

"Procedures to Implement the Texas Surface Water Quality Standards," TCEQ, June 2010

PERMIT INFORMATION

Permittee Name:	American Midstream
TPDES Permit No.:	TX0000485
Outfall No.:	001
Prepared by:	Maria Okpala
Date:	6/12/2019

DISCHARGE INFORMATION

Intermittent Receiving Waterbody:	Unnamed Intermittent Freshwater Stream
Perennial Stream/River within 3 Miles:	Sabine River Above Toledo Bend Reservoir
Segment No.:	505
TSS (mg/L):	16
pH (Standard Units):	6.7
Hardness (mg/L as CaCO ₃):	42
Chloride (mg/L):	39
Effluent Flow for Aquatic Life (MGD):	0.0001
Critical Low Flow [7Q2] (cfs) for intermittent:	0
Critical Low Flow [7Q2] (cfs) for perennial:	47.27
% Effluent for Chronic Aquatic Life (Mixing Zone):	0.00
% Effluent for Acute Aquatic Life (ZID):	100
Effluent Flow for Human Health (MGD):	0.0001
Harmonic Mean Flow (cfs) for perennial:	146.01
% Effluent for Human Health:	0.000
Human Health Criterion (select: PWS, FISH, or INC)	PWS

CALCULATE DISSOLVED FRACTION (AND ENTER WATER EFFECT RATIO IF APPLICABLE):

<i>Stream/River Metal</i>	<i>Intercept (b)</i>	<i>Slope</i>	<i>Partition Coefficient (m)</i>	<i>Partition Coefficient (Kp)</i>	<i>Dissolved Fraction (Cd/Ct)</i>	<i>Source</i>	<i>Water Effect Ratio (WER)</i>	<i>Source</i>
Aluminum	N/A	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Arsenic	5.68	-0.73	63240.08	0.497	1.00	Assumed	1.00	Assumed
Cadmium	6.60	-1.13	173517.95	0.265	1.00	Assumed	1.00	Assumed
Chromium (total)	6.52	-0.93	251286.07	0.199	1.00	Assumed	1.00	Assumed
Chromium (trivalent)	6.52	-0.93	251286.07	0.199	1.00	Assumed	1.00	Assumed
Chromium (hexavalent)	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed	Assumed
Copper	6.02	-0.74	134570.92	0.317	1.00	Assumed	1.00	Assumed
Lead	6.45	-0.80	306693.11	0.169	1.00	Assumed	1.00	Assumed
Mercury	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed	Assumed
Nickel	5.69	-0.57	100844.36	0.383	1.00	Assumed	1.00	Assumed
Selenium	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed	Assumed
Silver	6.38	-1.03	137961.03	0.312	1.00	Assumed	1.00	Assumed
Zinc	6.10	-0.70	180765.69	0.257	1.00	Assumed	1.00	Assumed

AQUATIC LIFE

CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS:

<i>Parameter</i>	<i>FW Acute Criterion (µg/L)</i>	<i>FW Chronic Criterion (µg/L)</i>	<i>WLAa (µg/L)</i>	<i>WLAc (µg/L)</i>	<i>LTAa (µg/L)</i>	<i>LTAc (µg/L)</i>	<i>Daily Avg. (µg/L)</i>	<i>Daily Max. (µg/L)</i>
Aldrin	3.0	N/A	3.0	N/A	1.72	N/A	2.53	5.35
Aluminum	991	N/A	991	N/A	568	N/A	835	1766
Arsenic	340	150	684	92197595	392	70992148	576	1219
Cadmium	3.7	0.135	13.9	155201.86	8.0	119505.43	11.74	24.83
Carbaryl	2.0	N/A	2.0	N/A	1.15	N/A	1.68	3.56
Chlordane	2.4	0.004	2.4	1222.0659	1.38	940.9907	2.0215	4.2769
Chlorpyrifos	0.083	0.041	0.083	12526.175	0.048	9645.155	0.070	0.148
Chromium (trivalent)	280	36	1406	55864092	805	43015351	1184	2505
Chromium (hexavalent)	15.7	10.6	15.7	3238474.5	9.00	2493625.4	13.2	28.0
Copper	6.3	4.5	19.8	4346462.0	11.3	3346775.7	16.7	35
Cyanide (free)	45.8	10.7	45.8	3269026.2	26.2	2517150.1	38.6	81.6
4,4'-DDT	1.1	0.001	1.1	305.5165	0.630	235.2477	0.9265	1.9602
Demeton	N/A	0.1	N/A	30551.646	N/A	23524.768	34581.409	73162.028
Diazinon	0.17	0.17	0.17	51937.799	0.097	39992.105	0.143	0.303
Dicofol [Kelthane]	59.3	19.8	59.3	6049226.0	34.0	4657904.0	49.9	105.7
Dieldrin	0.24	0.002	0.24	611.0329	0.138	470.4954	0.2022	0.4277
Diuron	210	70	210	21386152	120	16467337	177	374
Endosulfan I (<i>alpha</i>)	0.22	0.056	0.22	17108.922	0.126	13173.870	0.185	0.392
Endosulfan II (<i>beta</i>)	0.22	0.056	0.22	17108.922	0.126	13173.870	0.185	0.392
Endosulfan sulfate	0.22	0.056	0.22	17108.922	0.126	13173.870	0.185	0.392
Endrin	0.086	0.002	0.086	611.0329	0.049	470.4954	0.0724	0.1533
Guthion [Azinphos Methyl]	N/A	0.01	N/A	3055.165	N/A	2352.477	3458.141	7316.203
Heptachlor	0.52	0.004	0.52	1222.0659	0.298	940.9907	0.4380	0.9267
Hexachlorocyclohexane (<i>gamma</i>) [Lindane]	1.126	0.08	1.126	24441.317	0.645	18819.814	0.948	2.007
Lead	25	0.97	147	1745865.9	84	1344316.8	123.5	261
Malathion	N/A	0.01	N/A	3055.165	N/A	2352.477	3458.141	7316.203
Mercury	2.4	1.3	2.4	397171.40	1.38	305821.98	2.02	4.28
Methoxychlor	N/A	0.03	N/A	9165.494	N/A	7057.430	10374.423	21948.608
Mirex	N/A	0.001	N/A	305.5165	N/A	235.2477	345.8141	731.6203
Nickel	225	25.0	587	19933594	337	15348867	495	1047
Nonylphenol	28	6.6	28	2016408.7	16.0	1552634.67	23.6	49.9
Parathion (ethyl)	0.065	0.013	0.065	3971.714	0.037	3058.220	0.055	0.116
Pentachlorophenol	6.5	5.0	6.5	1512476.5	3.7	1164606.9	5.4	11.5
Phenanthrene	30	30	30	9165493.9	17.2	7057430.3	25.3	53.5
Polychlorinated Biphenyls [PCBs]	2.0	0.014	2.0	4277.230	1.15	3293.467	1.685	3.564
Selenium	20	5	20	1527582.32	11.5	1176238.39	16.8	35.6
Silver	0.8	N/A	9.02	N/A	5.17	N/A	7.60	16.1
Toxaphene	0.78	0.0002	0.78	61.10329	0.447	47.04954	0.65700	1.38998
Tributyltin [TBT]	0.13	0.024	0.13	7332.395	0.074	5645.944	0.110	0.232
2,4,5 Trichlorophenol	136	64	136	19553054	77.9	15055851.3	115	242
Zinc	56	57	219	67360892	125	51867887	184	390

HUMAN HEALTH

CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS:

<i>Parameter</i>	<i>Water and Fish Criterion (µg/L)</i>	<i>Fish Only Criterion (µg/L)</i>	<i>Incidental Fish Criterion (µg/L)</i>	<i>WLAh (µg/L)</i>	<i>LTAh (µg/L)</i>	<i>Daily Avg. (µg/L)</i>	<i>Daily Max. (µg/L)</i>
Acrylonitrile	1.0	115	1150	943692.83	877634.33	1290122.47	2729442.78
Aldrin	1.146E-05	1.147E-05	1.147E-04	1.08E+01	1.01E+01	1.48E+01	3.13E+01
Anthracene	1109	1317	13170	1046555351	973296476	1430745820	3026952041
Antimony	6	1071	10710	5662157.0	5265806.0	7740734.8	16376656.7
Arsenic	10	N/A	N/A	18985602.0	17656609.9	25955216.5	54912057
Barium	2000	N/A	N/A	1887385664	1755268668	2580244941	5458885556
Benzene	5	581	5810	4718464.2	4388171.7	6450612.4	13647213.9
Benzidine	0.0015	0.107	1.07	1415.5392	1316.4515	1935.1837	4094.1642
Benzo(a)anthracene	0.024	0.025	0.25	22648.628	21063.224	30962.939	65506.627
Benzo(a)pyrene	0.0025	0.0025	0.025	2359.2321	2194.0858	3225.306	6823.607
Bis(chloromethyl)ether	0.0024	0.2745	2.745	2264.8628	2106.3224	3096.294	6550.663
Bis(2-chloroethyl)ether	0.60	42.83	428.3	566215.70	526580.60	774073.48	1637665.67
Bis(2-ethylhexyl) phthalate [Di(2-ethylhexyl) phthalate]	6	7.55	75.5	5662157.0	5265806.0	7740734.8	16376656.7
Bromodichloromethane [Dichlorobromomethane]	10.2	275	2750	9625666.9	8951870.2	13159249.2	27840316
Bromoform [Tribromomethane]	66.9	1060	10600	63133050	58713737	86309193	182599722
Cadmium	5	N/A	N/A	17818276.2	16570996.8	24359365.3	51535800
Carbon Tetrachloride	4.5	46	460	4246617.7	3949354.5	5805551.1	12282492.5
Chlordane	0.0025	0.0025	0.025	2359.2321	2194.0858	3225.306	6823.607
Chlorobenzene	100	2737	27370	94369283	87763433	129012247	272944278
Chlorodibromomethane [Dibromochloromethane]	7.5	183	1830	7077696.2	6582257.5	9675918.5	20470820.8
Chloroform [Trichloromethane]	70	7697	76970	66058498	61434403	90308573	191060994
Chromium (hexavalent)	62	502	5020	58508956	54413329	79987593	169225452
Chrysene	2.45	2.52	25.2	2312047.44	2150204.12	3160800.1	6687134.8
Cresols [Methylphenols]	1041	9301	93010	982384238	913617341	1343017492	2841349932
Cyanide (free)	200	N/A	N/A	188738566	175526867	258024494	545888556
4,4'-DDD	0.002	0.002	0.02	1887.3857	1755.2687	2580.2449	5458.8856
4,4'-DDE	0.00013	0.00013	0.0013	122.68007	114.09246	167.71592	354.82756
4,4'-DDT	0.0004	0.0004	0.004	377.4771	351.0537	516.0490	1091.7771
2,4'-D	70	N/A	N/A	66058498	61434403	90308573	191060994
Danitol [Fenprothrin]	262	473	4730	247247522	229940195	338012087	715114008
1,2-Dibromoethane [Ethylene Dibromide]	0.17	4.24	42.4	160427.781	149197.837	219320.820	464005.27
m-Dichlorobenzene [1,3-Dichlorobenzene]	322	595	5950	303869092	282598255	415419436	878880575
o-Dichlorobenzene [1,2-Dichlorobenzene]	600	3299	32990	566215699	526580600	774073482	1637665667
p-Dichlorobenzene [1,4-Dichlorobenzene]	75	N/A	N/A	70776962	65822575	96759185	204708208
3,3'-Dichlorobenzidine	0.79	2.24	22.4	745517.34	693331.12	1019196.75	2156259.79
1,2-Dichloroethane	5	364	3640	4718464.2	4388171.7	6450612.4	13647213.9
1,1-Dichloroethylene [1,1-Dichloroethene]	7	55114	551140	6605849.8	6143440.3	9030857.3	19106099.4
Dichloromethane [Methylene Chloride]	5	13333	133330	4718464.2	4388171.7	6450612.4	13647213.9
1,2-Dichloropropane	5	259	2590	4718464.2	4388171.7	6450612.4	13647213.9
1,3-Dichloropropene [1,3-Dichloropropylene]	2.8	119	1190	2642339.93	2457376.13	3612342.9	7642439.8
Dicofol [Kelthane]	0.30	0.30	3	283107.85	263290.300	387036.74	818832.83
Dieldrin	2.0E-05	2.0E-05	2.0E-04	18.873857	17.552687	25.802449	54.588856
2,4-Dimethylphenol	444	8436	84360	418999617	389669644	572814377	1211872593
Di-n-Butyl Phthalate	88.9	92.4	924	83894293	78021692	114691888	242647463
Dioxins/Furans [TCDD Equivalents]	7.80E-08	7.97E-08	7.97E-07	7.36E-02	6.85E-02	1.01E-01	2.13E-01
Endrin	0.02	0.02	0.2	18873.857	17552.687	25802.449	54588.856
Epichlorohydrin	53.5	2013	20130	50487567	46953437	69021552	146025189
Ethylbenzene	700	1867	18670	660584982	614344034	903085729	1910609945
Ethylene Glycol	46744	1.68E+07	1.68E+08	44111977739	41024139297	60305484767	127585073215

Fluoride	4000	N/A	N/A	3774771328	3510537335	5160489883	10917771112
Heptachlor	8.0E-05	0.0001	0.001	75.49543	70.21075	103.20980	218.35542
Heptachlor Epoxide	0.00029	0.00029	0.0029	273.6709	254.5140	374.1355	791.5384
Hexachlorobenzene	0.00068	0.00068	0.0068	641.7111	596.7913	877.2833	1856.0211
Hexachlorobutadiene	0.21	0.22	2.2	198175.495	184303.210	270925.719	573182.983
Hexachlorocyclohexane (<i>alpha</i>)	0.0078	0.0084	0.084	7360.804	6845.548	10062.955	21289.654
Hexachlorocyclohexane (<i>beta</i>)	0.15	0.26	2.6	141553.925	131645.150	193518.371	409416.42
Hexachlorocyclohexane (<i>gamma</i>) [Lindane]	0.2	0.341	3.41	188738.566	175526.867	258024.494	545888.56
Hexachlorocyclopentadiene	10.7	11.6	116	10097513.3	9390687.4	13804310.4	29205038
Hexachloroethane	1.84	2.33	23.3	1736394.81	1614847.17	2373825.35	5022174.7
Hexachlorophene	2.05	2.90	29	1934570.31	1799150.38	2644751.06	5595357.7
4,4'-Isopropylidenediphenol [Bisphenol A]	1092	15982	159820	1030512573	958376692	1408813738	2980551514
Lead	1.15	3.83	38.3	6410649.9	5961904.4	8763999.5	18541522.8
Mercury	0.0122	0.0122	0.122	11513.053	10707.139	15739.494	33299.202
Methoxychlor	2.92	3.0	30	2755583.1	2562692.25	3767157.6	7969972.9
Methyl Ethyl Ketone	13865	9.92E+05	9.92E+06	13084301116	12168400038	17887548055	37843724117
Methyl <i>tert</i> -butyl ether [MTBE]	15	10482	104820	14155392.5	13164515.0	19351837.1	40941642
Nickel	332	1140	11400	818828337	761510353	1119420219	2368297199
Nitrate-Nitrogen (as Total Nitrogen)	10000	N/A	N/A	9436928320	8776343338	12901224706	27294427780
Nitrobenzene	45.7	1873	18730	43126762	40107889	58958597	124735535
N-Nitrosodiethylamine	0.0037	2.1	21	3491.663	3247.247	4773.453	10098.938
N-Nitroso-di- <i>n</i> -Butylamine	0.119	4.2	42	112299.447	104438.486	153524.574	324803.69
Pentachlorobenzene	0.348	0.355	3.55	328405.11	305416.75	448962.62	949846.09
Pentachlorophenol	0.22	0.29	2.9	207612.423	193079.553	283826.94	600477.41
Polychlorinated Biphenyls [PCBs]	6.4E-04	6.4E-04	6.40E-03	603.9634	561.6860	825.6784	1746.8434
Pyridine	23	947	9470	21704935.1	20185589.7	29672817	62777184
Selenium	50	N/A	N/A	47184642	43881717	64506124	136472139
1,2,4,5-Tetrachlorobenzene	0.23	0.24	2.4	217049.351	201855.897	296728.17	627771.84
1,1,2,2-Tetrachloroethane	1.64	26.35	263.5	1547656.24	1439320.31	2115800.85	4476286.2
Tetrachloroethylene [Tetrachloroethylene]	5	280	2800	4718464.2	4388171.7	6450612.4	13647213.9
Thallium	0.12	0.23	2.3	113243.140	105316.120	154814.696	327533.13
Toluene	1000	N/A	N/A	943692832	877634334	1290122471	2729442778
Toxaphene	0.011	0.011	0.11	10380.621	9653.978	14191.347	30023.871
2,4,5-TP [Silvex]	50	369	3690	47184642	43881717	64506124	136472139
1,1,1-Trichloroethane	200	784354	7843540	188738566	175526867	258024494	545888556
1,1,2-Trichloroethane	5	166	1660	4718464.2	4388171.7	6450612.4	13647213.9
Trichloroethylene [Trichloroethene]	5	71.9	719	4718464.2	4388171.7	6450612.4	13647213.9
2,4,5-Trichlorophenol	1039	1867	18670	980496852	911862073	1340437247	2835891046
TTHM [Sum of Total Trihalomethanes]	80	N/A	N/A	75495427	70210747	103209798	218355422
Vinyl Chloride	0.23	16.5	165	217049.351	201855.897	296728.17	627771.84

CALCULATE 70% AND 85% OF DAILY AVERAGE EFFLUENT LIMITATIONS:

Outfall 001

Aquatic Life	70% of	85% of
Parameter	Daily Avg.	Daily Avg.
	(µg/L)	(µg/L)
Aldrin	1.77	2.15
Aluminum	584	710
Arsenic	403	490
Cadmium	8.22	9.98
Carbaryl	1.18	1.43
Chlordane	1.4151	1.7183

471
0.79
0.381

Chlorpyrifos	0.049	0.059
Chromium (trivalent)	829	1006
Chromium (hexavalent)	9.26	11.2
Copper	11.7	14.2
Cyanide (free)	27.0	32.8
4,4'-DDT	0.6486	0.7876
Demeton	24206.986	29394.197
Diazinon	0.100	0.122
Dicofol [Kelthane]	35.0	42.5
Dieldrin	0.1415	0.1718
Diuron	124	150
Endosulfan I (<i>alpha</i>)	0.130	0.158
Endosulfan II (<i>beta</i>)	0.130	0.158
Endosulfan sulfate	0.130	0.158
Endrin	0.0507	0.0616
Guthion [Azinphos Methyl]	2420.699	2939.420
Heptachlor	0.3066	0.3723
Hexachlorocyclohexane (<i>gamma</i>) [Lindane]	0.664	0.806
Lead	86.5	105.0
Malathion	2420.699	2939.420
Mercury	1.42	1.72
Methoxychlor	7262.096	8818.259
Mirex	242.0699	293.9420
Nickel	346	421
Nonylphenol	16.51	20.0
Parathion (ethyl)	0.038	0.047
Pentachlorophenol	3.8	4.6
Phenanthrene	17.7	21.5
Polychlorinated Biphenyls [PCBs]	1.179	1.432
Selenium	11.79	14.32
Silver	5.32	6.46
Toxaphene	0.45990	0.55845
Tributyltin [TBT]	0.077	0.093
2,4,5 Trichlorophenol	80.2	97.4
Zinc	129	157

9.664

0.895

1.325

57.5

	<i>70% of</i>	<i>85% of</i>
Human Health	Daily Avg.	Daily Avg.
Parameter	(µg/L)	(µg/L)
Acrylonitrile	903085.73	1096604.10
Aldrin	10.349362	12.567083
Anthracene	1001522074	1216133947
Antimony	5418514.4	6579624.6
Arsenic	18168651.5	22061934.0
Barium	1806171459	2193208200
Benzene	4515428.6	5483020.5
Benzidine	1354.6286	1644.9062
Benzo(a)anthracene	21674.058	26318.498
Benzo(a)pyrene	2257.7143	2741.5103
Bis(chloromethyl)ether	2167.4058	2631.8498
Bis(2-chloroethyl)ether	541851.44	657962.46
Bis(2-ethylhexyl) phthalate [Di(2-ethylhexyl) phthalate]	5418514.4	6579624.6
Bromodichloromethane [Dichlorobromomethane]	9211474.4	11185361.8

Bromoform [Tribromomethane]	60416435	73362814
Cadmium	17051555.7	20705460.5
Carbon Tetrachloride	4063885.8	4934718.5
Chlordane	2257.7143	2741.5103
Chlorobenzene	90308573	109660410
Chlorodibromomethane [Dibromochloromethane]	6773143.0	8224530.8
Chloroform [Trichloromethane]	63216001	76762287
Chromium (hexavalent)	55991315	67989454
Chrysene	2212560.04	2686680.05
Cresols [Methylphenols]	940112244	1141564868
Cyanide (free)	180617146	219320820
4,4'-DDD	1806.1715	2193.2082
4,4'-DDE	117.40114	142.55853
4,4'-DDT	361.2343	438.6416
2,4'-D	63216001	76762287
Danitol [Fenpropathrin]	236608461	287310274
1,2-Dibromoethane [Ethylene Dibromide]	153524.574	186422.697
<i>m</i> -Dichlorobenzene [1,3-Dichlorobenzene]	290793605	353106520
<i>o</i> -Dichlorobenzene [1,2-Dichlorobenzene]	541851438	657962460
<i>p</i> -Dichlorobenzene [1,4-Dichlorobenzene]	67731430	82245308
3,3'-Dichlorobenzidine	713437.73	866317.24
1,2-Dichloroethane	4515428.6	5483020.5
1,1-Dichloroethylene [1,1-Dichloroethene]	6321600.1	7676228.7
Dichloromethane [Methylene Chloride]	4515428.6	5483020.5
1,2-Dichloropropane	4515428.6	5483020.5
1,3-Dichloropropene [1,3-Dichloropropylene]	2528640.04	3070491.5
Dicofol [Kelthane]	270925.719	328981.23
Dieldrin	18.061715	21.932082
2,4-Dimethylphenol	400970064	486892220
Di- <i>n</i> -Butyl Phthalate	80284321	97488104
Dioxins/Furans [TCDD Equivalents]	7.04E-02	8.55E-02
Endrin	18061.715	21932.082
Epichlorohydrin	48315087	58668319
Ethylbenzene	632160011	767622870
Ethylene Glycol	42213839337	51259662052
Fluoride	3612342918	4386416400
Heptachlor	72.24686	87.72833
Heptachlor Epoxide	261.8949	318.0152
Hexachlorobenzene	614.0983	745.6908
Hexachlorobutadiene	189648.003	230286.861
Hexachlorocyclohexane (<i>alpha</i>)	7044.069	8553.512
Hexachlorocyclohexane (<i>beta</i>)	135462.859	164490.615
Hexachlorocyclohexane (<i>gamma</i>) [Lindane]	180617.146	219320.820
Hexachlorocyclopentadiene	9663017.3	11733663.9
Hexachloroethane	1661677.74	2017751.54
Hexachlorophene	1851325.75	2248038.41
4,4'-Isopropylidenediphenol [Bisphenol A]	986169617	1197491677
Lead	6134799.7	7449399.6
Mercury	11017.646	13378.570
Methoxychlor	2637010.33	3202084.0
Methyl Ethyl Ketone	12521283639	15204415847
Methyl <i>tert</i> -butyl ether [MTBE]	13546285.9	16449061.5
Nickel	783594153	951507186

Nitrate-Nitrogen (as Total Nitrogen)	9030857294	10966041000
Nitrobenzene	41271018	50114807
N-Nitrosodiethylamine	3341.417	4057.435
N-Nitroso-di- <i>n</i> -Butylamine	107467.202	130495.888
Pentachlorobenzene	314273.83	381618.23
Pentachlorophenol	198678.860	241252.902
Polychlorinated Biphenyls [PCBs]	577.9749	701.8266
Pyridine	20770971.8	25221894.3
Selenium	45154286	54830205
1,2,4,5-Tetrachlorobenzene	207709.718	252218.943
1,1,2,2-Tetrachloroethane	1481060.60	1798430.72
Tetrachloroethylene [Tetrachloroethylene]	4515428.6	5483020.5
Thallium	108370.288	131592.492
Toluene	903085729	1096604100
Toxaphene	9933.943	12062.645
2,4,5-TP [Silvex]	45154286	54830205
1,1,1-Trichloroethane	180617146	219320820
1,1,2-Trichloroethane	4515428.6	5483020.5
Trichloroethylene [Trichloroethene]	4515428.6	5483020.5
2,4,5-Trichlorophenol	938306073	1139371660
TTHM [Sum of Total Trihalomethanes]	72246858	87728328
Vinyl Chloride	207709.718	252218.943