

**35TH AVENUE - FIVE MILE CREEK
WALTER COKE PROPERTY
EPA SEDIMENT SAMPLING RESULTS - APRIL 2012**

Sample ID	EPAFMC-SD-19	EPAFMC-SD-20	EPAFMC-SD-21	EPAFMC-SD-22
Lat/Long	33.585300378, -86.791355071	33.5852558869, -86.7911906597	33.5850947766, -86.7909662899	33.5850135711, -86.7907565852
Property	Walter Coke	Walter Coke	Walter Coke	Walter Coke
Location ID	EPAFMC17	EPAFMC18	EPAFMC19	EPAFMC20
Sample Date	4/25/2012	4/25/2012	4/25/2012	4/25/2012
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Type	Field Sample	Field Sample	Field Sample	Field Sample
Wet Chemistry (mg/kg)				
TOC - 9060Mod	34300	263000	168000	340000
Metals, Total 6010B/7471A (mg/kg)				
Aluminum	5990	7320	9610	12100
Antimony	1.14 UJ	1.88 U	1.38 U	1.39 U
Arsenic	17.1	14.4	34.4	12.2
Barium	66.1	136	232	166
Beryllium	0.683	0.843 J	0.22 U	1.75
Cadmium	0.0572 U	0.144 J	1.91	0.798
Calcium	17800	21400	21600	40200
Chromium	39.2	31.7	32.7	26.8
Cobalt	10.7	13.9	20.4	10.5
Copper	21	114	145	106
Iron	40500	37400	161000	67600
Lead	26.3	86.3	128	127
Magnesium	3810	6090	5120	8410
Manganese	778	453	3390	1440
Nickel	13.4	16.6	21.5	9.85
Potassium	512	799	854	1220
Selenium	0.458 U	6.26	0.551 U	2.79 U
Silver	0.183 U	0.301 U	0.689 U	0.886 J
Sodium	114	192	252	483
Thallium	0.389 U	0.64 U	1.38 U	2.49 J
Vanadium	39.7	27.1	37.7	39.3
Zinc	265	630	2040	1590
Mercury	0.0475 J	0.285	0.174	0.492
PCB - 8082 (ug/kg)				
Aroclor-1016	NA	NA	NA	NA
Aroclor-1221	NA	NA	NA	NA
Aroclor-1232	NA	NA	NA	NA
Aroclor-1242	NA	NA	NA	NA
Aroclor-1248	NA	NA	NA	NA
Aroclor-1254	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA

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Sample ID	EPAFMC-SD-19	EPAFMC-SD-20	EPAFMC-SD-21	EPAFMC-SD-22
Lat/Long	33.585300378, -86.791355071	33.5852558869, -86.7911906597	33.5850947766, -86.7909662899	33.5850135711, -86.7907565852
Property	Walter Coke	Walter Coke	Walter Coke	Walter Coke
Location ID	EPAFMC17	EPAFMC18	EPAFMC19	EPAFMC20
Sample Date	4/25/2012	4/25/2012	4/25/2012	4/25/2012
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Type	Field Sample	Field Sample	Field Sample	Field Sample
SVOC - 8270D (ug/kg)				
Bis(2-chloroethyl)ether	68.4 U	111 U	94.2 U	4300 U
Phenol	66.4 U	108 U	91.4 U	4170 U
2-Chlorophenol	70.4 U	114 U	97 U	4430 U
2,2'-Oxybis(1-chloropropane)	224 U	365 U	309 U	14100 U
2-Methylphenol	98 U	159 U	135 U	6160 U
Hexachloroethane	51 U	82.9 U	70.3 U	3210 U
N-Nitroso-di-n-propylamine	62.3 U	101 U	85.7 U	3920 U
4-Methylphenol	60.2 U	137 J	221 J	3790 U
Nitrobenzene	61.2 U	99.5 U	84.3 U	3850 U
Isophorone	60.2 U	97.8 U	82.9 U	3790 U
2-Nitrophenol	73.5 U	119 U	101 U	4620 U
2,4-Dimethylphenol	58.2 U	94.5 U	80.1 U	3660 U
Bis(2-chloroethoxy)methane	58.2 U	94.5 U	80.1 U	3660 U
2,4-Dichlorophenol	76.6 U	124 U	105 U	4810 U
Naphthalene	793	2400	4100	12600 J
4-Chloroaniline	64.3 U	104 U	88.6 U	4040 U
2-Methylnaphthalene	316	489	840	3720 U
Hexachlorobutadiene	59.2 U	96.2 U	81.5 U	3720 U
4-Chloro-3-methylphenol	57.2 U	92.8 U	78.7 U	3590 U
Hexachlorocyclopentadiene	40.8 U	66.3 U	56.2 U	2570 U
2,4,6-Trichlorophenol	69.4 U	113 U	95.6 U	4360 U
2,4,5-Trichlorophenol	75.5 U	123 U	104 U	4750 U
2-Chloronaphthalene	68.1 U	110 U	93.8 U	4280 U
2-Nitroaniline	58.2 U	94.5 U	80.1 U	3660 U
Acenaphthylene	2260	2860	1820	86000
Dimethylphthalate	60.2 U	97.8 U	82.9 U	3790 U
2,6-Dinitrotoluene	51 U	82.9 U	70.3 U	3210 U
Acenaphthene	1340	441 J	356 J	24700
3-Nitroaniline	81.7 U	133 U	112 U	5130 U
2,4-Dinitrophenol	224 U	365 U	309 U	14100 U
Dibenzofuran	1940	726	711	17800
2,4-Dinitrotoluene	50 U	81.2 U	68.9 U	3140 U
4-Nitrophenol	54.1 U	87.9 U	74.5 U	3400 U
Fluorene	3820	962	710	56900
4-Chlorophenyl-phenylether	52.1 U	84.6 U	71.7 U	3270 U
Diethylphthalate	52.1 U	84.6 U	71.7 U	3270 U
4-Nitroaniline	89.8 U	146 U	124 U	5650 U
4,6-Dinitro-2-methylphenol	272 U	441 U	374 U	17100 U
N-Nitrosodiphenylamine	64.3 U	104 U	88.6 U	4040 U
4-Bromophenyl-phenylether	50 U	81.2 U	68.9 U	3140 U
Hexachlorobenzene	54.1 U	87.9 U	74.5 U	3400 U
Pentachlorophenol	136 U	220 U	187 U	8540 U
Phenanthrene	21500	4840	2790	157000

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Sample ID	EPAFMC-SD-19	EPAFMC-SD-20	EPAFMC-SD-21	EPAFMC-SD-22
Lat/Long	33.585300378, -86.791355071	33.5852558869, -86.7911906597	33.5850947766, -86.7909662899	33.5850135711, -86.7907565852
Property	Walter Coke	Walter Coke	Walter Coke	Walter Coke
Location ID	EPAFMC17	EPAFMC18	EPAFMC19	EPAFMC20
Sample Date	4/25/2012	4/25/2012	4/25/2012	4/25/2012
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Type	Field Sample	Field Sample	Field Sample	Field Sample
Anthracene	4900	3080	1760	128000
Di-n-butylphthalate	44.9 U	73 U	61.8 U	2820 U
Fluoranthene	50300	24000	13100	1050000
Pyrene	32300	18100	11500	691000
Butylbenzylphthalate	64.3 U	104 U	88.6 U	4040 U
3,3'-Dichlorobenzidine	60.2 U	97.8 U	82.9 U	3790 U
Benzo(a)anthracene	18600	14200	6800	488000
Chrysene	16200	14700	6740	468000
Bis(2-ethylhexyl)phthalate	84.7 U	138 U	117 U	5330 U
Di-n-octylphthalate	59.2 U	96.2 U	81.5 U	3720 U
Benzo(b)fluoranthene	21600	18200	15700	548000
Benzo(k)fluoranthene	4440	5570	4940	205000
Benzo(a)pyrene	13600	13000	11600	358000
Indeno(1,2,3-cd)pyrene	7800	5000	4370	125000
Dibenzo(a,h)anthracene	2250	2210	1880	56300
Benzo(g,h,i)perylene	4960	4980	4370	128000
Acetophenone	102 U	166 U	140 U	6420 U
1,2,4,5-Tetrachlorobenzene	48 U	77.9 U	66.1 U	3020 U
Carbazole	1530	484	429	7230 J
Caprolactam	143 U	232 U	197 U	8980 U
1,1'-Biphenyl	113 J	148 J	235 J	3920 U
Atrazine	80.6 U	131 U	111 U	5070 U
Benzaldehyde	45.9 U	74.6 U	63.2 U	2890 U
PAH - 8270D SIM (ug/kg)				
1-Methylnaphthalene	70.4	203 J	403	9090 J
2-Methylnaphthalene	222	411	1020	8550 U
Acenaphthene	1820	425	705	54400
Acenaphthylene	3260	2430	2380	142000
Anthracene	5380	3160	2880	297000
Benzo(a)anthracene	18500 J	13000	11800	880000
Benzo(a)pyrene	17700 J	12100	12800	721000
Benzo(b)fluoranthene	23300 J	15900	15500	948000
Benzo(g,h,i)perylene	9810 J	6500	7850	341000
Benzo(k)fluoranthene	8570 J	5590	6230	349000
Chrysene	17200 J	10900	10700	795000
Dibenzo(a,h)anthracene	3130 J	2340	2560	133000
Fluoranthene	38000	16500	15000	1640000
Fluorene	3480	766	1180	137000
Indeno(1,2,3-cd)pyrene	9330 J	6340	7200	342000
Naphthalene	1290	1910	4130	19600 J
Phenanthrene	4320	2920	4300	351000
Pyrene	24900	11800	10900	1040000

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Sample ID	EPAFMC-SD-23	EPAFMC-SD-24	EPAFMC-SD-25	EPAFMC-SD-26
Lat/Long	33.5848138081, -86.790412026	33.5847489807, -86.7903550294	33.5843045042, -86.7900558786	33.584047638, -86.7898247278
Property	Walter Coke	Walter Coke	Walter Coke	Walter Coke
Location ID	EPAFMC21	EPAFMC22	EPAFMC23	EPAFMC24
Sample Date	4/25/2012	4/25/2012	4/25/2012	4/25/2012
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Type	Field Sample	Field Sample	Field Sample	Field Sample
Wet Chemistry (mg/kg)				
TOC - 9060Mod	161000	182000	265000	269000 J
Metals, Total 6010B/7471A (mg/kg)				
Aluminum	10600	9800	8590	4010
Antimony	0.344 U	1.2 J	2.7 U	1.03 U
Arsenic	16.9	46.4	14.6	21
Barium	168	210	127	154
Beryllium	1.02	0.594 U	1.35 U	0.73
Cadmium	2.25	0.64	0.389 J	0.0515 U
Calcium	27400	22500	38900	7320
Chromium	36.2	32.9	28	16.8
Cobalt	18.3	25.3	18.6	7.83
Copper	142	392	340	56.8
Iron	92600	98700	57200	22000
Lead	202	111	118	105
Magnesium	6960	4120	5130	1220
Manganese	1740	1360	804	247
Nickel	17.2	18.9	22.7	17.2
Potassium	839	1060	1360	616
Selenium	0.574 U	0.475 U	1.08 U	0.412 U
Silver	1.4 J	0.19 U	1.35 U	0.165 U
Sodium	211	197	203	95.4
Thallium	3.17 J	1.2 J	0.918 U	1.03 U
Vanadium	35.7	35.6	30.7	17
Zinc	2430	1240	1050	111
Mercury	0.544	0.318	0.396	0.44
PCB - 8082 (ug/kg)				
Aroclor-1016	NA	NA	NA	15 U
Aroclor-1221	NA	NA	NA	14 U
Aroclor-1232	NA	NA	NA	23 U
Aroclor-1242	NA	NA	NA	12 U
Aroclor-1248	NA	NA	NA	12 U
Aroclor-1254	NA	NA	NA	11 U
Aroclor-1260	NA	NA	NA	88 J

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EPA SEDIMENT SAMPLING RESULTS - APRIL 2012**

Sample ID	EPAFMC-SD-23	EPAFMC-SD-24	EPAFMC-SD-25	EPAFMC-SD-26
Lat/Long	33.5848138081, -86.790412026	33.5847489807, -86.7903550294	33.5843045042, -86.7900558786	33.584047638, -86.7898247278
Property	Walter Coke	Walter Coke	Walter Coke	Walter Coke
Location ID	EPAFMC21	EPAFMC22	EPAFMC23	EPAFMC24
Sample Date	4/25/2012	4/25/2012	4/25/2012	4/25/2012
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Type	Field Sample	Field Sample	Field Sample	Field Sample
SVOC - 8270D (ug/kg)				
Bis(2-chloroethyl)ether	81.4 U	84.9 U	173 U	60.8 U
Phenol	78.9 U	82.3 U	168 U	59 U
2-Chlorophenol	83.8 U	87.4 U	179 U	62.6 U
2,2'-Oxybis(1-chloropropane)	267 U	279 U	570 U	200 U
2-Methylphenol	145 J	122 U	248 U	87.1 U
Hexachloroethane	60.7 U	63.3 U	129 U	45.4 U
N-Nitroso-di-n-propylamine	74.1 U	77.3 U	158 U	55.4 U
4-Methylphenol	280 J	164 J	153 U	83.6 J
Nitrobenzene	72.9 U	76 U	155 U	54.4 U
Isophorone	71.7 U	74.7 U	153 U	53.5 U
2-Nitrophenol	87.4 U	91.2 U	186 U	65.3 U
2,4-Dimethylphenol	131 J	72.2 U	148 U	51.7 U
Bis(2-chloroethoxy)methane	69.2 U	72.2 U	148 U	51.7 U
2,4-Dichlorophenol	91.1 U	95 U	194 U	68.1 U
Naphthalene	23800	7620	1280	34600
4-Chloroaniline	76.5 U	79.8 U	163 U	57.2 U
2-Methylnaphthalene	3200	1360	270 J	3560
Hexachlorobutadiene	70.4 U	73.5 U	150 U	52.6 U
4-Chloro-3-methylphenol	68 U	70.9 U	145 U	50.8 U
Hexachlorocyclopentadiene	48.6 U	50.7 U	104 U	36.3 U
2,4,6-Trichlorophenol	82.6 U	86.1 U	176 U	61.7 U
2,4,5-Trichlorophenol	89.9 U	93.7 U	192 U	67.2 U
2-Chloronaphthalene	81 U	84.5 U	173 U	60.5 U
2-Nitroaniline	69.2 U	72.2 U	148 U	51.7 U
Acenaphthylene	8580	5910	1390	7000
Dimethylphthalate	71.7 U	74.7 U	153 U	53.5 U
2,6-Dinitrotoluene	60.7 U	63.3 U	129 U	45.4 U
Acenaphthene	5030	2050	300 J	322
3-Nitroaniline	97.2 U	101 U	207 U	72.6 U
2,4-Dinitrophenol	267 U	279 U	570 U	200 U
Dibenzofuran	3880	2200	209 J	1740
2,4-Dinitrotoluene	59.5 U	62.1 U	127 U	44.5 U
4-Nitrophenol	64.4 U	67.1 U	137 U	48.1 U
Fluorene	3190	3060	239 J	515
4-Chlorophenyl-phenylether	61.9 U	64.6 U	132 U	46.3 U
Diethylphthalate	61.9 U	64.6 U	132 U	46.3 U
4-Nitroaniline	107 U	111 U	228 U	79.9 U
4,6-Dinitro-2-methylphenol	323 U	337 U	689 U	241 U
N-Nitrosodiphenylamine	76.5 U	79.8 U	163 U	57.2 U
4-Bromophenyl-phenylether	59.5 U	62.1 U	127 U	44.5 U
Hexachlorobenzene	64.4 U	67.1 U	137 U	48.1 U
Pentachlorophenol	162 U	168 U	344 U	121 U
Phenanthrene	7680 J	10900	1110	7640

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Sample ID	EPAFMC-SD-23	EPAFMC-SD-24	EPAFMC-SD-25	EPAFMC-SD-26
Lat/Long	33.5848138081, -86.790412026	33.5847489807, -86.7903550294	33.5843045042, -86.7900558786	33.584047638, -86.7898247278
Property	Walter Coke	Walter Coke	Walter Coke	Walter Coke
Location ID	EPAFMC21	EPAFMC22	EPAFMC23	EPAFMC24
Sample Date	4/25/2012	4/25/2012	4/25/2012	4/25/2012
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Type	Field Sample	Field Sample	Field Sample	Field Sample
Anthracene	6320 J	7000	754	2170
Di-n-butylphthalate	53.4 U	55.7 U	114 U	39.9 U
Fluoranthene	80700	58200	5540	17800
Pyrene	57200	41000	4570	14600
Butylbenzylphthalate	76.5 U	79.8 U	163 U	57.2 U
3,3'-Dichlorobenzidine	71.7 U	74.7 U	153 U	53.5 U
Benzo(a)anthracene	41500	32500	3790	11500
Chrysene	41700	31800	3950	12500
Bis(2-ethylhexyl)phthalate	101 U	105 U	215 U	75.3 U
Di-n-octylphthalate	70.4 U	73.5 U	150 U	52.6 U
Benzo(b)fluoranthene	57400	43600	6190	24400
Benzo(k)fluoranthene	20800	15800	2610	8660
Benzo(a)pyrene	39300	30000	4190	14700
Indeno(1,2,3-cd)pyrene	20800	16200	2050	11200
Dibenzo(a,h)anthracene	8570	5530	884	2280
Benzo(g,h,i)perylene	23500	18300	2400	13200
Acetophenone	121 U	127 U	259 U	139 J
1,2,4,5-Tetrachlorobenzene	57.1 U	59.5 U	122 U	42.6 U
Carbazole	1740	892	267 J	654
Caprolactam	170 U	177 U	362 U	127 U
1,1'-Biphenyl	1010	467	158 U	497
Atrazine	96 U	100 U	204 U	71.7 U
Benzaldehyde	54.6 U	57 U	116 U	40.8 U
PAH - 8270D SIM (ug/kg)				
1-Methylnaphthalene	1100	470	365	1640
2-Methylnaphthalene	3380	1180	923	4130
Acenaphthene	6080	1160	660	410
Acenaphthylene	10300	3460	1080	7240
Anthracene	8630	3790	2200	3010
Benzo(a)anthracene	50600	18400	6420	12300
Benzo(a)pyrene	48800	20000	6580	14900
Benzo(b)fluoranthene	62300	25200	8650	22100
Benzo(g,h,i)perylene	27100	12300	3920	12100
Benzo(k)fluoranthene	21000	8620	2700	7260
Chrysene	43400	15200	5760	10900
Dibenzo(a,h)anthracene	9490	4000	930	3850
Fluoranthene	80500	23700	8300	15200
Fluorene	3910	1300	810	733
Indeno(1,2,3-cd)pyrene	25900	11500	3630	11400
Naphthalene	20200	5690	4440	21000
Phenanthrene	8650	4720	3550	6480
Pyrene	53200	16700	5990	11700

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Sample ID	EPAFMC-SD-27	EPAFMC-SD-28	EPAFMC-SD-29
Lat/Long	33.584047638, -86.7898247278	33.5813590084, -86.7891529253	33.5775936257, -86.7888879892
Property	Walter Coke	Walter Coke	Walter Coke
Location ID	EPAFMC24	EPAFMC25	EPAFMC26
Sample Date	4/25/2012	4/25/2012	4/25/2012
Matrix	Sediment	Sediment	Sediment
Sample Type	Field Duplicate	Field Sample	Field Sample
Wet Chemistry (mg/kg)			
TOC - 9060Mod	77.7 J	66.2 U	66.7 U
Metals, Total 6010B/7471A (mg/kg)			
Aluminum	3950	10800	16000
Antimony	0.978 U	1.11 U	1.39 U
Arsenic	23.3	15.3	19.4
Barium	118	107	178
Beryllium	0.629	0.828	1.63
Cadmium	0.0489 U	1.13	0.35 J
Calcium	8720	51800	59300
Chromium	18	44.2	30.5
Cobalt	6.12	22.7	11.5
Copper	56	268	103
Iron	25700	71700	27400
Lead	108	156	85
Magnesium	1400	4770	8890
Manganese	344	1510	1780
Nickel	14	21.3	25.7
Potassium	629	1180	2090
Selenium	0.391 U	0.445 U	2.79 U
Silver	0.156 U	1.05 J	0.223 U
Sodium	91.6	130	253
Thallium	0.978 U	1.11 U	1.39 U
Vanadium	16.2	37.4	30.1
Zinc	123	1050	375
Mercury	0.329	0.368	0.222
PCB - 8082 (ug/kg)			
Aroclor-1016	15 U	NA	22 U
Aroclor-1221	14 U	NA	20 U
Aroclor-1232	23 U	NA	33 U
Aroclor-1242	12 U	NA	18 U
Aroclor-1248	12 U	NA	18 U
Aroclor-1254	11 U	NA	16 U
Aroclor-1260	160 J	NA	12 U

**35TH AVENUE - FIVE MILE CREEK
WALTER COKE PROPERTY
EPA SEDIMENT SAMPLING RESULTS - APRIL 2012**

Sample ID	EPAFMC-SD-27	EPAFMC-SD-28	EPAFMC-SD-29
Lat/Long	33.584047638, -86.7898247278	33.5813590084, -86.7891529253	33.5775936257, -86.7888879892
Property	Walter Coke	Walter Coke	Walter Coke
Location ID	EPAFMC24	EPAFMC25	EPAFMC26
Sample Date	4/25/2012	4/25/2012	4/25/2012
Matrix	Sediment	Sediment	Sediment
Sample Type	Field Duplicate	Field Sample	Field Sample
SVOC - 8270D (ug/kg)			
Bis(2-chloroethyl)ether	60.7 U	91.2 U	89.1 U
Phenol	58.9 U	88.5 U	86.4 U
2-Chlorophenol	62.5 U	94 U	91.7 U
2,2'-Oxybis(1-chloropropane)	199 U	300 U	292 U
2-Methylphenol	87 U	131 U	128 U
Hexachloroethane	45.3 U	68.1 U	66.5 U
N-Nitroso-di-n-propylamine	55.3 U	83.1 U	81.1 U
4-Methylphenol	107 J	80.4 U	78.4 U
Nitrobenzene	54.4 U	81.7 U	79.8 U
Isophorone	53.5 U	80.4 U	78.4 U
2-Nitrophenol	65.2 U	98 U	95.7 U
2,4-Dimethylphenol	51.6 U	77.6 U	75.8 U
Bis(2-chloroethoxy)methane	51.6 U	77.6 U	75.8 U
2,4-Dichlorophenol	68 U	102 U	99.7 U
Naphthalene	32700	466	1420
4-Chloroaniline	57.1 U	85.8 U	83.7 U
2-Methylnaphthalene	3730	83.5 J	315 J
Hexachlorobutadiene	52.6 U	79 U	77.1 U
4-Chloro-3-methylphenol	50.7 U	76.3 U	74.4 U
Hexachlorocyclopentadiene	36.2 U	54.5 U	53.2 U
2,4,6-Trichlorophenol	61.6 U	92.6 U	90.4 U
2,4,5-Trichlorophenol	67.1 U	101 U	98.4 U
2-Chloronaphthalene	60.4 U	90.8 U	88.7 U
2-Nitroaniline	51.6 U	77.6 U	75.8 U
Acenaphthylene	6270	428	531
Dimethylphthalate	53.5 U	80.4 U	78.4 U
2,6-Dinitrotoluene	45.3 U	68.1 U	66.5 U
Acenaphthene	304	85.6 J	218 J
3-Nitroaniline	72.5 U	109 U	106 U
2,4-Dinitrophenol	199 U	300 U	292 U
Dibenzofuran	1790	73.5 U	239 J
2,4-Dinitrotoluene	44.4 U	66.7 U	65.1 U
4-Nitrophenol	48 U	72.2 U	70.4 U
Fluorene	494	74.8 J	203 J
4-Chlorophenyl-phenylether	46.2 U	69.4 U	67.8 U
Diethylphthalate	46.2 U	69.4 U	67.8 U
4-Nitroaniline	79.8 U	120 U	117 U
4,6-Dinitro-2-methylphenol	241 U	362 U	354 U
N-Nitrosodiphenylamine	57.1 U	85.8 U	83.7 U
4-Bromophenyl-phenylether	44.4 U	66.7 U	65.1 U
Hexachlorobenzene	48 U	72.2 U	70.4 U
Pentachlorophenol	120 U	181 U	177 U
Phenanthrene	6730	404	1830

**35TH AVENUE - FIVE MILE CREEK
WALTER COKE PROPERTY
EPA SEDIMENT SAMPLING RESULTS - APRIL 2012**

Sample ID	EPAFMC-SD-27	EPAFMC-SD-28	EPAFMC-SD-29
Lat/Long	33.584047638, -86.7898247278	33.5813590084, -86.7891529253	33.5775936257, -86.7888879892
Property	Walter Coke	Walter Coke	Walter Coke
Location ID	EPAFMC24	EPAFMC25	EPAFMC26
Sample Date	4/25/2012	4/25/2012	4/25/2012
Matrix	Sediment	Sediment	Sediment
Sample Type	Field Duplicate	Field Sample	Field Sample
Anthracene	2250	243 J	602
Di-n-butylphthalate	39.9 U	59.9 U	58.5 U
Fluoranthene	16000	2040	4990
Pyrene	12900	1820	3800
Butylbenzylphthalate	57.1 U	85.8 U	83.7 U
3,3'-Dichlorobenzidine	53.5 U	80.4 U	78.4 U
Benzo(a)anthracene	10000	1400	3040
Chrysene	11200	1300	2910
Bis(2-ethylhexyl)phthalate	75.2 U	113 U	700
Di-n-octylphthalate	52.6 U	79 U	77.1 U
Benzo(b)fluoranthene	18600	1950	4820
Benzo(k)fluoranthene	4390	964	2180
Benzo(a)pyrene	12800	1340	3270
Indeno(1,2,3-cd)pyrene	9700	646	1450
Dibenzo(a,h)anthracene	2290	260 J	544
Benzo(g,h,i)perylene	11200	733	1600
Acetophenone	148 J	136 U	133 U
1,2,4,5-Tetrachlorobenzene	42.6 U	64 U	62.5 U
Carbazole	706	73.5 U	268 J
Caprolactam	127 U	191 U	186 U
1,1'-Biphenyl	509	83.1 U	86.9 J
Atrazine	71.6 U	108 U	105 U
Benzaldehyde	40.8 U	61.3 U	59.8 U
PAH - 8270D SIM (ug/kg)			
1-Methylnaphthalene	1630	83.7 J	212 J
2-Methylnaphthalene	3980	201	443
Acenaphthene	421	142	318
Acenaphthylene	7660	715	706
Anthracene	2860	576	1120
Benzo(a)anthracene	11000	2650	4460
Benzo(a)pyrene	14300	2800	4410
Benzo(b)fluoranthene	21200	3800	6040
Benzo(g,h,i)perylene	11800	1680	2660
Benzo(k)fluoranthene	6940	1400	1820
Chrysene	9830	2110	3700
Dibenzo(a,h)anthracene	3740	586	868
Fluoranthene	13300	3320	6860
Fluorene	707	199	359
Indeno(1,2,3-cd)pyrene	11200	1570	2470
Naphthalene	19100	956	1580
Phenanthrene	6050	800	2980
Pyrene	10600	2520	4920

**35TH AVENUE - FIVE MILE CREEK
WALTER COKE PROPERTY
EPA SEDIMENT SAMPLING RESULTS - APRIL 2012**

Notes:

- Bold** - Analyte was detected above the sample quantitation limit
- J - Value is estimated
- mg/kg - Milligrams per kilogram
- NA - Not analyzed
- PAH - Polycyclic Aromatic Hydrocarbon compounds
- PCB - Polychlorinated Biphenyl
- SVOC - Semivolatile Organic Compounds
- TOC - Total Organic Carbon
- U - Analyte was not detected above the associated value
- ug/kg - Micrograms per kilogram