PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-2
MONITORING WELL W-2R (REPLACING W-2 AS OF 4-18-89)

PARAMETER	UNITS	4/10/85	6/26/85	10/15/85	1/23/86	4/24/86	7/29/86	10/10/86	1/8/87	4/16/87	7/17/87
ALKALINITY, TOTAL	mg/l	1040.00	1093.00	709.00	630 00	391 00	40 00	1070 00	500.00	545 00	466 00
AMMONIA NITROGEN	mg/l	917.00	1260.00	1520.00	682 00	350 00	1110 00	1226.00	360 00	360 00	447 00
TOTAL COLIFORM	cfu/100 m	1800.00	2400.00	33.00	<2		5 00	350 00	<1	2.00	<1
BIOCHEMICAL OXYGEN DEMAND	mg/l	220 00		7.90	515.00	300 00	120 00	330 00	570.00	135 00	344 00
TOTAL ORGANIC CARBON	mg/l	5.60	7.67	4.54	194 00	109 00	254 00	371 00	82.00	110 00	116 00
CHEMICAL OXYGEN DEMAND	mg/l	1170 00	1856.00	1780.00	1500 00	393 00	304 00	1700.00	260.00	1460.00	545 00
CHLORIDE	mg/l	1210.00	1633.00	1990.00	773 00	473 00			343.00		
CYANIDE, TOTAL	mg/l	159.00	120.00	84 00	24 60	31 20	189 00	339 00	40.30	48 50	47 30
FLUORIDE	mg/l	0.95	1.50	2.50	3 80	5 60	4 05	3 20	5.30	5.90	7 51
ALUMINUM, TOTAL	mg/l	<0.5	<0.5								
ARSENIC, TOTAL	mg/l	0.01	0.03								
BARIUM, TOTAL	mg/l	<0.5	<0.5								
CADMIUM, TOTAL	mg/l										
CHROMIUM, TOTAL	mg/l	0.05	0.02	0.01	0 00	0 00	0 01	0 01	<0 001	0 00	0 00
IRON, TOTAL	mg/l	36.80	2.69	0.80	0 35	0 20	3 40	0 50	28.50	22.0	0 12
LEAD, TOTAL	mg/l	<0.001	<0.001								
MANGANESE, TOTAL	mg/l	3.0	0.71	0.29	5 53	11 40	2 60	0.85	63.00	6.30	0 13
MERCURY, TOTAL	mg/l	<0.0002	<0.005								
SELENIUM, TOTAL	mg/l	0.01	0.00								
SILVER, TOTAL	mg/l	<0.001	<0.001								
SODIUM, TOTAL	mg/l	411.00	430.00	420.00	232.00	274 00	320 00	430.00	3.90	259 00	238 00
NITRATE NITROGEN	mg/l	<0.15	<0.005	0.15	<0 15	<0 15	<0 52		3.90	<0.26	<0 26
TOTAL ORGANIC HALOGENS	ug/l	78 00	69.00	<5	5180 00		14 00	99.00	33.00	16 00	20 00
PHENOLICS	mg/l	<0.005	36.90	3.85	0 72	0 37	2 31	1.84	0.48	0 69	1 07
pH	standard	7.15	7.45	8.31	7 75	6 75	7 78	7 41	7.10	7 20	8 43
TOTAL DISSOLVED SOLIDS	mg/l	4920.00	3870.00	4190 00	5180 00	5290 00	1710.00	4850 00	5380.00	5840 00	4820 00
SPECIFIC CONDUCTANCE	umhos/c	8010.00	9929.00	9750.00	7750 00	6650.00	10400 00	11100.00	6900.00	709.00	6810.00
SULFATE	mg/l	2950.00	2512.00	2700.00	3650.00	3500.00	2960.00	3300.00	44.80	3420.00	3880 00
HERBICIDES:											
2,4-D	ug/l	1.19	<2.5								
2,4,5-TP	ug/l	<0.25	<10								
PESTICIDES:											
ENDRIN	ug/l	<0.50	<0.22								
LINDANE	ug/l	<0.50	<0.03								
METHOXYCHLOR	ug/l	<2.5	<0.49								
TOXAPHENE	ug/l	<25	<0.98								
ACID EXTRACTABLES:											
PHENOL	ug/l	2710.00	21.00	<10	167.00	<10	<10	170.00	35.00	<10	66.00
2-CHLOROPHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-NITROPHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	27600.00	255.00	<10	479.00	10 10	663 00	104.00	323.00	39.00	<10
2,4-DICHLOROPHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-CHLORO-3-METHYLPHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	<20	<20	<20	<20	<50	<50	<50	<50	<50	<50
4-NITROPHENOL	ug/l	<40	<40	<40	<40	<50	<50	<50	<50	<50	<50
2-METHYL-4,6-DINITROPHENOL	ug/l	<20	<20	<20	<20	<50	<50	<50	<50	<50	<50
PENTACHLOROPHENOL	ug/l	<25	<25	<25	<25	<50	<50	<50	<50	<50	<50
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l	<10	<10	<10	<10	<10					
BIS(2-CHLOROETHYL)ETHER	ug/l	<5	33.00	<5	<5	<10	<10	15.00	<10	<10	<10
1,3-DICHLOROBENZENE	ug/l	<5	<10	<5	<5	<10	<10	<10	<10	<10	<10
1,4-DICHLOROBENZENE	ug/l	<5	<10	<5	<5	<10	<10	<10	<10	<10	<10
1,2-DICHLOROBENZENE	ug/l	<5	<10	<5	<5	<10	<10	<10	<10	<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	<5	<10	<5	<5	<10	<10	<10	<10	<10	28.00
HEXACHLOROETHANE	ug/l	<5	<10	<5	83.00	<10	<10	<10	<10	<10	<10
N-NITROSODI-N-PROPYLAMINE	ug/l	<5	<10	<5	<5	<10	<10	<10	<10	<10	<10
NITROBENZENE	ug/l	90.00	<10	<5	<5	<10	<10	<10	<10	<10	<10
ISOPHORONE	ug/l	<5	<10	<5	<5	<10	<10	<10	<10	<10	<10
BIS(2-CHLOROETHOXY)METHANE	ug/l	15.00	<10	<5	<5	<10	<10	<10	<10	<10	<10
1,2,4-TRICHLOROBENZENE	ug/l	<5	<10	<5	<5	<10	<10	<10	<10	<10	<10
NAPHTHALENE	ug/l	<5	116.00	497.00	420.00	339.00	64.00	1180.00	941.00	299.00	118.00
HEXACHLOROBUTADIENE	ug/l	<5	<10	<5	<5	<10	<10	<10	<10	<10	<10
HEXCHLOROCYCLOPENTADIENE	ug/l	<5	<10	<5	<5	<10	<10	<10	<10	<10	<10
2-CHLORONAPHTHALENE	ug/l	<5	<10	<5	<5	<10	<10	<10	<10	<10	<10
ACENAPHTHYLENE	ug/l	<5	32.00	56.00	22.00	<10	<7	13.00	24.00	<10	14.00
DIMETHYL PHTHALATE	ug/l	<5	<5	<5	<5	<10	<10	<10	<10	<10	<10
2,6-DINITROTOLUENE	ug/l	<10	<10	<10	<10	10.60	<10	<10	<10	<10	<10
ACENAPHTHENE	ug/l	<5	76.00	15.00	8.00	<10	<10	11.00	15.00	15.00	<10
2,4-DINITROTOLUENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
FLUORENE	ug/l	<5	58.00	120.00	45.00	<10	29.00	35.00	55.00	26.00	<10
DIETHYL PHTHALATE	ug/l	<5	<5	<5	<5	<10	<10	<10	<10	<10	<10
4-CHLOROPHENYL PHENYL ETHER	ug/l	<5	<5	<5	<5	<10	<10	<10	<10	<10	<10
N-NITROSODIPHENYLAMINE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<10	<10	<10		<10	<10	<10	<10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-2
MONITORING WELL W-2R (REPLACING W-2 AS OF 4-18-89)

PARAMETER	UNITS	4/10/85	6/26/85	10/15/85	1/23/86	4/24/86	7/29/86	10/10/86	1/8/87	4/16/87	7/17/87
4-BROMOPHENYL PHENYL ETHER	ug/l	<5	<5	<5	<5	<10	<10	<10	<10	<10	<10
HEXACHLOROBENZENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<10	<10	<10
PHENANTHRENE	ug/l	<5	14 00	347 00	36 00	<10	93 00	91 00	70 00	<10	<10
ANTHRACENE	ug/l	<5	<5	<5	<5	<10	<10	12 00	<10	<10	<10
DI-N-BUTYL PHTHALATE	ug/l	<5	<5	<5	<5	<10	<10	<10	25 00	<10	<10
FLUORANTHENE	ug/l	<5	<5	191 00	12 00	<10	31 00	28 00	13 00	<10	<10
BENZIDINE	ug/l	<100	<100	<100	<100	<20					
PYRENE	ug/l	<5	6 50	126.00	9 00	<10	20 00	19 00	<10	<10	<10
BUTYL BENZYL PHTHALATE	ug/l	<5	<5	<5	<5	<10	<10	<10	<10	<10	<10
BENZ(A)ANTHRACENE	ug/l	<10	25.00	<10	<10	<10	<10	<10	<10	<10	<10
CHRYSENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
3,3'-DICHLOROBENZIDINE	ug/l	<10	<10	<10	<10	<20	<20	<20	<20	<20	<20
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<5	<5	<5	<5	<10	<10	<10	<10	<10	<10
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
BENZO(B)FLUORANTHENE	ug/l	<25	<25	32 00	<25	<10	<10	<10	<10	<10	<10
BENZO(K)FLUORANTHENE	ug/l	<25	<25	*	<25	<10	<10	<10	<10	<10	<10
BENZO(A)PYRENE	ug/l	<25	<25	96 00	<25	<10	<10	<10	<10	<10	<10
INDENO(1,2,3-C,D)PYRENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<10	<10	<10
DIBENZ(A,H)ANTHRACENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<10	<10	<10
BENZO(G,H,I)PERYLENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<10	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l	<10	<10	<10	<10	<10		<10	<10	<10	<10
VOLATILE ORGANICS:											
CHLOROMETHANE	ug/l	<5.0	<5 0	<5 0	<50	<5 0	<5	<10	<10	<2.0	<2 0
BROMOMETHANE	ug/l	<5.0	<5.0	<5 0	<50	<5 0	<5	<10	<10	<2 0	<2 0
VINYL CHLORIDE	ug/l	<5.0	<5.0	<5 0	<50	<5 0	<5	<10	<10	<2.0	<2 0
CHLOROETHANE	ug/l	<5.0	<5.0	<5 0	<50	<5 0	<5	<10	<10	<2.0	<2.0
METHYLENE CHLORIDE	ug/l	6.20	<1.0	<1 0	<10	2 40	<5	<5	<5	32.00	<1 0
ACROLEIN	ug/l	<100	<100	<100	<1000	<100	<80				
ACRYLONITRILE	ug/l	<25	<25	<25	<250	<25	<80				
TRANS-1,3-DICHLOROPROPENE	ug/l	<5.0	<5.0	<5 0	<50	<5 0	<5	<5	<5	<1 0	22.00
CIS-1,3-DICHLOROPROPENE	ug/l	<5.0	<5.0	<5 0	<50	<5 0	<5	<5	<5	<1 0	<1 0
TRICHLOROFLUOROMETHANE	ug/l							<5	<5		
1,1-DICHLOROETHENE	ug/l	<1.0	<1.0	<1 0	<10	<1 0	<5	<5	<5	<1 0	<1 0
1,1-DICHLOROETHANE	ug/l	<1.0	<1.0	<1 0	<10	<1 0	<5	<5	<5	<1 0	<1 0
1,2-DICHLOROETHENE (TOTAL)	ug/l	<1.0	<1.0	<1 0	<10	<1 0	<5	<5	<5	<1.0	<1 0
CHLOROFORM	ug/l	<1.0	<1.0	<1 0	<10	<1 0	<5	<5	<5	<1 0	<1 0
1,2-DICHLOROETHANE	ug/l	<5.0	<5.0	<5 0	<50	<5 0	<5	<5	<5	<1.0	<1.0
1,1,1-TRICHLOROETHANE	ug/l	<1.0	<1.0	<1 0	<10	<1 0	<5	<5	<5	<1.0	<1.0
CARBON TETRACHLORIDE	ug/l	<1.0	<1.0	<1 0	<10	<1 0	<5	<5	<5	<1.0	<1.0
BROMODICHLOROMETHANE	ug/l	<1.0	<1.0	<1 0	<10	<1 0	<5	<5	<5	<1.0	<1.0
1,2-DICHLOROPROPANE	ug/l	<5.0	<5.0	<5.0	<50	<5 0	<5	<5	<5	<1.0	<1 0
TRICHLOROETHENE	ug/l	<0.2	<0.2	<0 2	<2 0	<0 2	<5	<5	<5	<1.0	<1.0
BENZENE	ug/l	143	234	86	<10	73	490	<5	122	105	190
DIBROMOCHLOROMETHANE	ug/l	<1.0	<1.0	<1 0	<10	<1 0	<5	<5	<5	<1.0	<1.0
1,1,2-TRICHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<50	<5 0	<5	<5	<5	<1.0	<1.0
2-CHLOROETHYLVINYL ETHER	ug/l	<5.0	<5.0	<5 0	<50	<5 0	<5	<10	<10	<1.0	<2.0
BROMOFORM	ug/l	<5.0	<5.0	<5 0	<50	<5 0	<5	<5	<5	<1.0	<1.0
TETRACHLOROETHENE	ug/l	<1.0	<1.0	<1.0	<10	<1 0	<5	<5	<5	<1.0	<1.0
1,1,2,2-TETRACHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<50	<5 0	<5	<5	<5	<1.0	<1.0
TOLUENE	ug/l	60.00	76.00	81.00	<2.0	17 60	59.40	<5	24.60	33.00	48.00
CHLOROBENZENE	ug/l	<1.0	<1.0	<1 0	<10	<1 0	<5	<5	<5	<1.0	<1.0
ETHYLBENZENE	ug/l	3.0	5.10	43.00	<10	<1 0	16 80	<5	6.10	7.50	9.80

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-DICHLOROPROPENE COULD NOT BE RESOLVED. VALUES REPORTED INDICATE THE SUM OF BOTH ISOMERS COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/86.

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD NOT BE RESOLVED. VALUES REPORTED INDICATE THE SUM OF BOTH COMPOUNDS. 10/15/85.

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QUADRUPLICATE SAMPLES.

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-2
MONITORING WELL W-2R (REPLACING W-2 AS OF 4-18-89)

PARAMETER	UNITS	10/28/87	2/11/88	3/8/88	5/19/88	1/18/89	4/18/89	8/1/89	10/30/89	1/11/90	4/5/90
ALKALINITY, TOTAL	mg/l	748 00	399.00		350 00		515 00	520 00	426 00	355 00	243 00
AMMONIA NITROGEN	mg/l	553 00	248.00		189 00		221 00	178 00	181 00	107 00	73 10
TOTAL COLIFORM	cfu/100 m	540 00	440.00		200 00		<2 2	2 20	<2 2	<2 2	<2 2
BIOCHEMICAL OXYGEN DEMAND	mg/l	315.00	53.0		68 0		119 00	123 00	118 00	88 00	48 00
TOTAL ORGANIC CARBON	mg/l	102.00	62 50		8 47		110 00	120 00	120 00	100 00	68 00
CHEMICAL OXYGEN DEMAND	mg/l	494 00	143.00		133 00		330 00	380 00	380 00	330 00	250 00
CHLORIDE	mg/l	607 00	218.00		161 00		71 00	79 00	87 00	102 00	95.00
CYANIDE, TOTAL	mg/l	77 0	10 90		7 10		42 0	0 330	0 30	0 260	0 19
FLUORIDE	mg/l	6.30	5 85		3 10		0 20	0 30	0 20	0 20	0 20
ALUMINUM, TOTAL	mg/l										
ARSENIC, TOTAL	mg/l						<0 01	<0 01	<0 01	<0 01	<0 01
BARIUM, TOTAL	mg/l						<0 1	<0 1	<0 1	<0 1	<0 1
CADMIUM, TOTAL	mg/l						<0 005	<0 005		<0 005	<0 005
CHROMIUM, TOTAL	mg/l	0.01	0.01		0 00		<0 05	<0 05	<0 05	<0 05	<0 05
IRON, TOTAL	mg/l	2.0	60 70		17 90						
LEAD, TOTAL	mg/l						<0 05	<0 05	<0 05	<0 05	<0 05
MANGANESE, TOTAL	mg/l	3.90	4 70		2 40						
MERCURY, TOTAL	mg/l						<0 0005	<0 0005	<0 0005	<0 0005	<0 0005
SELENIUM, TOTAL	mg/l						<0 005	<0 005	<0 005	<0 005	<0 005
SILVER, TOTAL	mg/l						<0 01	<0 01	<0 01	<0 01	<0 01
SODIUM, TOTAL	mg/l	343 00	462.00		190 00			161 00	171 00	195 00	188 00
NITRATE NITROGEN	mg/l	<0.21	<0 21		<0 21		0 50	<0 5	<0 5	<0 5	<0.5
TOTAL ORGANIC HALOGENS	ug/l	46 00	106 00		182 00		50 00	100 00	210.00	230 00	180 00
PHENOLICS	mg/l	0.30			0 05						
pH	standard	6.85	7 03		7 05		8 05	10 0	9.91	9 91	9 34
TOTAL DISSOLVED SOLIDS	mg/l	4260 00	4990 00		3680 00		2510	3240 00	3000 00	2700 00	2400 00
SPECIFIC CONDUCTANCE	umhos/c	7210.00	5640 00		4160 00		3810	3330 00	3380 00	3360 00	3240 00
SULFATE	mg/l	3440.00	2140.00		2260 00		1680	1580 00	1480 00	1620.00	1440 00
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l	<10		<11	<10		80 00	133.00	242.00	185.00	80.00
2-CHLOROPHENOL	ug/l	<10		<11	<10		<10	<10	<10	<10	<10
2-NITROPHENOL	ug/l	<10		<11	<10		<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	33.00		<11	28 00		20 00	15.00	28.00	25.00	11.00
2,4-DICHLOROPHENOL	ug/l	<10		<11	<10		<10	<10	<10	<10	<10
4-CHLORO-3-METHYLPHENOL	ug/l	<10		<11	<10		<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	<10		<11	<10		<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	<50		<55	<50		<25	<25	<25	<25	<25
4-NITROPHENOL	ug/l	<50		<55	<50		<25	<25	<25	<25	<25
2-METHYL-4,6-DINITROPHENOL	ug/l	<50		<55	<50		<25	<25	<25	<25	<25
PENTACHLOROPHENOL	ug/l	<50		<55	<50		<25	<25	<25	<25	<25
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
BIS(2-CHLOROETHYL)ETHER	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
1,3-DICHLOROBENZENE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
1,4-DICHLOROBENZENE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
1,2-DICHLOROBENZENE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
HEXACHLOROETHANE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
N-NITROSODI-N-PROPYLAMINE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
NITROBENZENE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
ISOPHORONE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
BIS(2-CHLOROETHOXY)METHANE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
1,2,4-TRICHLOROBENZENE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
NAPHTHALENE	ug/l	<10		39.00	70.00		290.00	117.00	156.00	197.00	146.00
HEXACHLOROBUTADIENE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
HEXCHLOROCYCLOPENTADIENE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
2-CHLORONAPHTHALENE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
ACENAPHTHYLENE	ug/l	<10		11.00	<10		<10	<10	<10	<10	<10
DIMETHYL PHTHALATE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
2,6-DINITROTOLUENE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
ACENAPHTHENE	ug/l	<10		<10	<10		10.00	10.00	11.00	11.00	<10
2,4-DINITROTOLUENE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
FLUORENE	ug/l	25.00		30.00	16.00		<10	<10	<10	10.00	<10
DIETHYL PHTHALATE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
4-CHLOROPHENYL PHENYL ETHER	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
N-NITROSODIPHENYLAMINE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
1,2-DIPHENYLHYDRAZINE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-2
MONITORING WELL W-2R (REPLACING W-2 AS OF 4-18-89)

PARAMETER	UNITS	10/28/87	2/11/88	3/8/88	5/19/88	1/18/89	4/18/89	8/1/89	10/30/89	1/11/90	4/5/90
4-BROMOPHENYL PHENYL ETHER	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
HEXACHLOROBENZENE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
PHENANTHRENE	ug/l	27.00		54 00	16 00		30 00	<10	14 00	18 00	11 00
ANTHRACENE	ug/l	<10		14 00	<10		<10	<10	<10	<10	<10
DI-N-BUTYL PHTHALATE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
FLUORANTHENE	ug/l	<10		22 00	<10		30 00	<10	<10	<10	<10
BENZIDINE	ug/l	<20		<20	<20		<25	<25	<25	<25	<25
PYRENE	ug/l	<10		31 00	<10		30 00	<10	<10	<10	<10
BUTYL BENZYL PHTHALATE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
BENZ(A)ANTHRACENE	ug/l	<10		<10	<10		20 00	<10	<10	<10	<10
CHRYSENE	ug/l	<10		<10	<10		20 00	<10	<10	<10	<10
3,3'-DICHLOROBENZIDINE	ug/l	<20		<20	<20		<25	<25	<25	<25	<25
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	11.00		<10	<10		10 00	<10	<10	<10	<10
DI-N-OCTYL PHTHALATE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
BENZO(B)FLUORANTHENE	ug/l	<10		<10	<10		20 00	<10	<10	<10	<10
BENZO(K)FLUORANTHENE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
BENZO(A)PYRENE	ug/l	<10		<10	<10		10 00	<10	<10	<10	<10
INDENO(1,2,3-C,D)PYRENE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
DIBENZ(A,H)ANTHRACENE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
BENZO(G,H,I)PERYLENE	ug/l	<10		<10	<10		<10	<10	<10	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l	<10		<10	<10						
VOLATILE ORGANICS.											
CHLOROMETHANE	ug/l	<2	<2		<2		<10	<50	<10	<10	<10
BROMOMETHANE	ug/l	<2	<2		<2		<10	<50	<10	<10	<10
VINYL CHLORIDE	ug/l	<2	<2		<2		<10	<50	<10	<10	<10
CHLOROETHANE	ug/l	<2	<2		<2		<10	<50	<10	<10	<10
METHYLENE CHLORIDE	ug/l	<1	<1		<1		<5	<5	<5	<5	<5
ACROLEIN	ug/l						<100	<500	<100	<100	<100
ACRYLONITRILE	ug/l						<100	<500	<100	<100	<100
TRANS-1,3-DICHLOROPROPENE	ug/l	<1	<1		<1		<5	<25	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<1	<1		<1		<5	<25	<5	<5	<5
TRICHLOROFLUOROMETHANE	ug/l				<1		<5	31 00	<5	<5	<5
1,1-DICHLOROETHENE	ug/l	<1	<1		<1		<5	<25	<5	<5	<5
1,1-DICHLOROETHANE	ug/l	<1	<1		<1		<5	<25	<5	<5	<5
1,2-DICHLOROETHENE (TOTAL)	ug/l	<1	<1		<1		<5	<25	<5	<5	<5
CHLOROFORM	ug/l	<1	<1		<2		<5	<25	<5	<5	<5
1,2-DICHLOROETHANE	ug/l	<1	<1		<1		<5	<25	<5	<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<1	<1		<1		<5	<25	<5	<5	<5
CARBON TETRACHLORIDE	ug/l	<1	<1		<1		<5	<25	<5	<5	<5
BROMODICHLOROMETHANE	ug/l	<1	<1		<1		<5	<25	<5	<5	<5
1,2-DICHLOROPROPANE	ug/l	<1	<1		<1		<5	<25	<5	<5	<5
TRICHLOROETHENE	ug/l	<1	<1		<1		<5	<25	<5	<5	<5
BENZENE	ug/l	95	40		22		110	68	62	54	94
DIBROMOCHLOROMETHANE	ug/l	<1	<1		<1		<5	<25	<5	<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<1	<1		<1		<5	<25	<5	<5	<5
2-CHLOROETHYLVINYL ETHER	ug/l	<2	<2		<2		<10	<50	<10	<10	<10
BROMOFORM	ug/l	<1	<1		<1		<5	<25	<5	<5	<5
TETRACHLOROETHENE	ug/l	<1	<1		<1		<5	<25	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	ug/l	<1	<1		<1		<5	<25	<5	<5	<5
TOLUENE	ug/l	16.00	10.00		7.00		13 00	<25	6.00	7.00	6 00
CHLOROBENZENE	ug/l	<1	<1		<1		<5	<25	<5	<5	<5
ETHYLBENZENE	ug/l	10.00	3.00		3.00		12.00	<25	6.00	7.00	9.00

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-2
MONITORING WELL W-2R (REPLACING W-2 AS OF 4-18-89)

PARAMETER	UNITS	7/10/90	10/11/90	1/8/91	2/20/91	5/2/91	7/18/91	10/25/91	1/16/92	4/16/92	8/13/92
ALKALINITY, TOTAL	mg/l	176.00	211.00	167 00		178 00	118 00	175.00	171	116	128
AMMONIA NITROGEN	mg/l	53.40	56.80	57.90		39 20	43 50	58 20	52 9	51	54
TOTAL COLIFORM	cfu/100 m	<2.2	<2.2	<2.2		<2 2	<2 2	<2.2	>16	<2 2	2 20
BIOCHEMICAL OXYGEN DEMAND	mg/l		27.00	16.00		19 00	21 00	21 00	23	24	26
TOTAL ORGANIC CARBON	mg/l	52.00	52.00	39.00	* 39	34 00	37 00	44 00	42	35	35
CHEMICAL OXYGEN DEMAND	mg/l	180.00	170.00	140 00		400 00	210 00	160 00	200	180	170
CHLORIDE	mg/l	74 00	66.00	47 00		52 00	44 00	44 00	40	37	39
CYANIDE, TOTAL	mg/l	0.12	0.10	0.11		0 11	0 04	0 10	0 63	0 158	0 153
FLUORIDE	mg/l	0 20	0.20	0.10		0 20	0 20	0.20	0 20	0 20	0 20
ALUMINUM, TOTAL	mg/l										
ARSENIC, TOTAL	mg/l	<0 01	<0.01	<0 01			0 01	<0 01	<0 01	<0 01	
BARIUM, TOTAL	mg/l	<0.1	<0 2	<0 2			0 20	0 30	0 10	<0 2	
CADMIUM, TOTAL	mg/l	<0.005	<0.005	<0.005			<0 005	<0.005	<0 005	<0 005	
CHROMIUM, TOTAL	mg/l	<0.05	<0.05	<0 05			0 06	<0 05	<0 05	<0 05	
IRON, TOTAL	mg/l										
LEAD, TOTAL	mg/l	<0.05	<0.05	<0 05			0 31	0.17	<0 05	<0 05	
MANGANESE, TOTAL	mg/l										
MERCURY, TOTAL	mg/l	<0.0005	<0.0005	<0.0005			0 00	0 00	<0 0005	<0 0002	
SELENIUM, TOTAL	mg/l	<0.005	<0.005	<0 005			<0 005	<0 005	<0 005	<0 005	
SILVER, TOTAL	mg/l	<0.01	<0.01	<0.01			<0 01	<0 01	<0 01	<0 01	
SODIUM, TOTAL	mg/l	145.00	159.00	123 00			142 00	132.00	122	115	
NITRATE NITROGEN	mg/l	0 60	<0.5	<0 5		<0 5	<0 5	<0 5	<0.5	<0 5	<0 5
TOTAL ORGANIC HALOGENS	ug/l	120 00	140.00	70 00	* 72 5	10 00	70 00	70 00	61	80	60
PHENOLICS	mg/l										
pH	standard	9.76	8.95	9.28	* 9 29	8 96	9 27	9.21	9 10	9 01	8 95
TOTAL DISSOLVED SOLIDS	mg/l	2800.00	2500.00	2600 00		2620 00	2540.00	2500 00	2180	2170	2000
SPECIFIC CONDUCTANCE	umhos/c	3230.00	3070.00	3060.00	* 2960	2850 00	2940.00	2870 00	2810	2550	2520
SULFATE	mg/l	1740.00	1720.00	1670.00		1580.00	1710.00	1640.00	1690	1600	1500
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l	47.00	43.00	25.00		28.00	23.00	24.00	25	<10	13
2-CHLOROPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2-NITROPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
4-CHLORO-3-METHYLPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	<25	<25	<25		<25	<25	<25	<25	<25	<25
4-NITROPHENOL	ug/l	<25	<25	<25		<25	<25	<25	<25	<25	<25
2-METHYL-4,6-DINITROPHENOL	ug/l	<25	<25	<25		<25	<25	<25	<25	<25	<25
PENTACHLOROPHENOL	ug/l	<25	<25	<25		<25	<25	<50	<50	<50	<50
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BIS(2-CHLOROETHYL)ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
1,3-DICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
1,4-DICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
1,2-DICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
HEXACHLOROETHANE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
N-NITROSODI-N-PROPYLAMINE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
NITROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
ISOPHORONE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BIS(2-CHLOROETHOXY)METHANE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
1,2,4-TRICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
NAPHTHALENE	ug/l	154.00	147.00	136.00		109.00	75.00	93.00	71.00	68.00	60
HEXACHLOROBUTADIENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
HEXCHLOROCYCLOPENTADIENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2-CHLORONAPHTHALENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
ACENAPHTHYLENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
DIMETHYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2,6-DINITROTOLUENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
ACENAPHTHENE	ug/l	12.00	11.00	13.00		13.00	10.00	14.00	13.00	14.00	13.00
2,4-DINITROTOLUENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
FLUORENE	ug/l	<10	10.00	12.00		12.00	12.00	13.00	12.00	15.00	13.00
DIETHYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
4-CHLOROPHENYL PHENYL ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
N-NITROSODIPHENYLAMINE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-2
MONITORING WELL W-2R (REPLACING W-2 AS OF 4-18-89)

PARAMETER	UNITS	7/10/90	10/11/90	1/8/91	2/20/91	5/2/91	7/18/91	10/25/91	1/16/92	4/16/92	8/13/92
4-BROMOPHENYL PHENYL ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
HEXACHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
PHENANTHRENE	ug/l	16.00	16.00	18.00		23 00	25 00	21.00	36.00	38 00	23 00
ANTHRACENE	ug/l	<10	<10	<10		<10	<10	<10	<10	10 00	<10
DI-N-BUTYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10	17 00	<10
FLUORANTHENE	ug/l	<10	<10	<10		11 00	19 00	<10	33.00	31 00	<10
BENZIDINE	ug/l	<25	<25	<25		<25	<25	<100	<100	<100	<100
PYRENE	ug/l	<10	<10	<10		11 00	15 00	<10	32.00	29 00	16 00
BUTYL BENZYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BENZ(A)ANTHRACENE	ug/l	<10	<10	<10		<10	<10	<10	13.00	16 00	<10
CHRYSENE	ug/l	<10	<10	<10		<10	<10	<10	13 00	16 00	<10
3,3'-DICHLOROBENZIDINE	ug/l	<25	<25	<25		<25	<20	<20	<20	<20	<20
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	10 00	<10	12.00
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BENZO(B)FLUORANTHENE	ug/l	<10	<10	<10		<10	<10	<10	12 00	12.00	<10
BENZO(K)FLUORANTHENE	ug/l	<10	<10	<10		<10	<10	<10	<10	11 00	<10
BENZO(A)PYRENE	ug/l	<10	<10	<10		<10	<10	<10	12.00	13.00	<10
INDENO(1,2,3-C,D)PYRENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
DIBENZ(A,H)ANTHRACENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BENZO(G,H,I)PERYLENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l										
VOLATILE ORGANICS:											
CHLOROMETHANE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BROMOMETHANE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
VINYL CHLORIDE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
CHLOROETHANE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
METHYLENE CHLORIDE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
ACROLEIN	ug/l	<100	<100	<100		<100	<100	<100	<100	<100	<100
ACRYLONITRILE	ug/l	<100	<100	<100		<100	<100	<100	<100	<100	<100
TRANS-1,3-DICHLOROPROPENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
TRICHLOROFLUOROMETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1-DICHLOROETHENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1-DICHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,2-DICHLOROETHENE (TOTAL)	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
CHLOROFORM	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,2-DICHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
CARBON TETRACHLORIDE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
BROMODICHLOROMETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,2-DICHLOROPROPANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
TRICHLOROETHENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
BENZENE	ug/l	62	64	97		70	77	89	90	110	110
DIBROMOCHLOROMETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
2-CHLOROETHYLVINYL ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BROMOFORM	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
TETRACHLOROETHENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
TOLUENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
CHLOROBENZENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
ETHYLBENZENE	ug/l	6.00	8.00	8.00		7 00	6.00	<5	<5	<5	<5

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-2
MONITORING WELL W-2R (REPLACING W-2 AS OF 4-18-89)

PARAMETER	UNITS	8/31/92	11/5/92	1/28/93	5/5/93	7/27/93	11/17/93	3/15/94	5/10/94	9/8/94	11/17/94
ALKALINITY, TOTAL	mg/l		93.00	116 00	106	139	100				
AMMONIA NITROGEN	mg/l		65.00	69.00	55	59	67	48	48	49	
TOTAL COLIFORM	cfu/100 m		<2.2	5.20	>16	9 20	<2 2				
BIOCHEMICAL OXYGEN DEMAND	mg/l		12.00	27 00	18	25	17				
TOTAL ORGANIC CARBON	mg/l		40.00	36 00	33	34	35	27	33	30	31
CHEMICAL OXYGEN DEMAND	mg/l		150.00	150 00	150.00	230 0	170.0				
CHLORIDE	mg/l		36.00	30.00	30 00	35 0	29 0	26			27
CYANIDE, TOTAL	mg/l		0.46	2.34	1 06	0 24	0 210				
FLUORIDE	mg/l		0.20	0.20	0 20	0 30	0 30				
ALUMINUM, TOTAL	mg/l										
ARSENIC, TOTAL	mg/l	<0.01	0.004	0.005	0 004	<0 010	0 0058				
BARIUM, TOTAL	mg/l	0.10	<0.1	<0 1	<0 2	0 12	<0 1				
CADMIUM, TOTAL	mg/l	<0.01	<0.01	<0 01	<0 2	<0 01	<0 01				
CHROMIUM, TOTAL	mg/l	<0.05	<0.05	<0 05	<0 6	<0 05	<0 05				
IRON, TOTAL	mg/l										
LEAD, TOTAL	mg/l	0.20	<0.1	<0.1	<0 1	0 15	<0 1				
MANGANESE, TOTAL	mg/l										
MERCURY, TOTAL	mg/l	0.0005	<0.0002	<0.0002	<0.0002	0 00058	0 00025				
SELENIUM, TOTAL	mg/l										
SILVER, TOTAL	mg/l	<0.02	<0.02	<0 02	<0 02	<0 02	<0 02				
SODIUM, TOTAL	mg/l	110	103	103	98 90	107	97 40	88 3			94 7
NITRATE NITROGEN	mg/l		<0.5	<0 5	<0 5	<0 5	<0 5				
TOTAL ORGANIC HALOGENS	ug/l		56	50	46	58	43 00	40	50	80	70
PHENOLICS	mg/l										
pH	standard		8.91	8.76	8 94	9 04	8 75	9 03	8.71	8 78	8 59
TOTAL DISSOLVED SOLIDS	mg/l		1960.00	1820 00	1710	1830	1560				
SPECIFIC CONDUCTANCE	umhos/c		2610.00	2510.00	2300	2340	2230	2050	2020	2030	1920
SULFATE	mg/l		1360.00	1200 00	1140	1300	1130	1100			900
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2-CHLOROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2-NITROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2,4-DIMETHYLPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2,4-DICHLOROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
4-CHLORO-3-METHYLPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2,4,6-TRICHLOROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2,4-DINITROPHENOL	ug/l		<25	<25	<25	<25	<25	<25			<24
4-NITROPHENOL	ug/l		<25	<25	<25	<25	<25	<25			<24
2-METHYL-4,6-DINITROPHENOL	ug/l		<25	<25	<25	<25	<25	<25			<24
PENTACHLOROPHENOL	ug/l		<50	<50	<50	<25	<25	<25			<24
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l		<10	<10	<10	<10	<10				
BIS(2-CHLOROETHYL)ETHER	ug/l		<10	<10	<10	<10	<10				
1,3-DICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
1,4-DICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
1,2-DICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
BIS(2-CHLOROISOPROPYL)ETHER	ug/l		<10	<10	<10	<10	<10				
HEXACHLOROETHANE	ug/l		<10	<10	<10	<10	<10				
N-NITROSODI-N-PROPYLAMINE	ug/l		<10	<10	<10	<10	<10				
NITROBENZENE	ug/l		<10	<10	<10	<10	<10				
ISOPHORONE	ug/l		<10	<10	<10	<10	<10				
BIS(2-CHLOROETHOXY)METHANE	ug/l		<10	<10	<10	<10	<10				
1,2,4-TRICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
NAPHTHALENE	ug/l		60	59	52	72	53	50	<70	<60	<60
HEXACHLOROBUTADIENE	ug/l		<10	<10	<10	<10	<10				
HEXCHLOROCYCLOPENTADIENE	ug/l		<10	<10	<10	<10	<10				
2-CHLORONAPHTHALENE	ug/l		<10	<10	<10	<10	<10				
ACENAPHTHYLENE	ug/l		<10	<10	<10	<10	<10	<20	<30	<20	<20
DIMETHYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
2,6-DINITROTOLUENE	ug/l		<10	<10	<10	<10	<10				
ACENAPHTHENE	ug/l		13.00	15.00	13	15.00	14.00	<20	<20	<20	<20
2,4-DINITROTOLUENE	ug/l		<10	<10	<10	<10	<10				
FLUORENE	ug/l		11.00	14 00	12	18.00	12.00	11	15	12	11
DIETHYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
4-CHLOROPHENYL PHENYL ETHER	ug/l		<10	<10	<10	<10	<10				
N-NITROSODIPHENYLAMINE	ug/l		<10	<10	<10	<10	<10				
1,2-DIPHENYLHYDRAZINE	ug/l		<10	<10	<10	<10	<10				

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-2
MONITORING WELL W-2R (REPLACING W-2 AS OF 4-18-89)

PARAMETER	UNITS	8/31/92	11/5/92	1/28/93	5/5/93	7/27/93	11/17/93	3/15/94	5/10/94	9/8/94	11/17/94
4-BROMOPHENYL PHENYL ETHER	ug/l		<10	<10	<10	<10	<10				
HEXACHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
PHENANTHRENE	ug/l		16 00	17 00	16	30 00	19 00	10	15	12	12
ANTHRACENE	ug/l		<10	<10	<10	<10	<10	2	3	3	2
DI-N-BUTYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
FLUORANTHENE	ug/l		<10	<10	<10	23 00	11 00	3	4 2	3 5	3 1
BENZIDINE	ug/l		<100	<100	<10	<100	<100				
PYRENE	ug/l		<10	<10	<10	18 00	<10	2	3	<2	<3
BUTYL BENZYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
BENZ(A)ANTHRACENE	ug/l		<10	<10	<10	<10	<10	0 30	0 3	0 20	0 30
CHRYSENE	ug/l		<10	<10	<10	10 00	<10	<1	<1	<1	<1
3,3'-DICHLOROBENZIDINE	ug/l		<20	<20	<10	<20	<20				
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l		<10	<10	15	<10	<10				
DI-N-OCTYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
BENZO(B)FLUORANTHENE	ug/l		<10	<10	<10	<10	<10	<0.2	<0 2	<0 2	<0 2
BENZO(K)FLUORANTHENE	ug/l		<10	<10	<10	<10	<10	<0 1	<0 1	<0 1	<0 1
BENZO(A)PYRENE	ug/l		<10	<10	<10	<10	<10	<0 2	<0 2	<0 2	<0 2
INDENO(1,2,3-C,D)PYRENE	ug/l		<10	<10	<10	<10	<10	<0 5	<0 5	<0.5	<0 5
DIBENZ(A,H)ANTHRACENE	ug/l		<10	<10	<10	<10	<10	<0 2	<0.2	<0 2	<0 2
BENZO(G,H,I)PERYLENE	ug/l		<10	<10	<10	<10	<10	<0 5	<0 5	<0 5	<0 5
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l										
VOLATILE ORGANICS.											
CHLOROMETHANE	ug/l		<10	<10	<10	<10	<10				
BROMOMETHANE	ug/l		<10	<10	<10	<10	<10				
VINYL CHLORIDE	ug/l		<10	<10	<10	<10	<10				
CHLOROETHANE	ug/l		<10	<10	<10	<10	<10				
METHYLENE CHLORIDE	ug/l		<5	<5	<5	<5	<5				
ACROLEIN	ug/l		<100	<100	<100	<100	<100				
ACRYLONITRILE	ug/l		<100	<100	<100	<100	<100				
TRANS-1,3-DICHLOROPROPENE	ug/l		<5	<5	<5	<5	<5				
CIS-1,3-DICHLOROPROPENE	ug/l		<5	<5	<5	<5	<5				
TRICHLOROFLUOROMETHANE	ug/l		<5	<5	<5	<5	<5				
1,1-DICHLOROETHENE	ug/l		<5	<5	<5	<5	<5				
1,1-DICHLOROETHANE	ug/l		<5	<5	<5	<5	<5				
1,2-DICHLOROETHENE (TOTAL)	ug/l		<5	<5	<5	<5	<5				
CHLOROFORM	ug/l		<5	<5	<5	<5	<5				
1,2-DICHLOROETHANE	ug/l		<5	<5	<5	<5	<5				
1,1,1-TRICHLOROETHANE	ug/l		<5	<5	<5	<5	<5				
CARBON TETRACHLORIDE	ug/l		<5	<5	<5	<5	<5				
BROMODICHLOROMETHANE	ug/l		<5	<5	<5	<5	<5				
1,2-DICHLOROPROPANE	ug/l		<5	<5	<5	<5	<5				
TRICHLOROETHENE	ug/l		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5
BENZENE	ug/l		<5	160	130	130	180	160	170	190	170
DIBROMOCHLOROMETHANE	ug/l		<5	<5	<5	<5	<5				
1,1,2-TRICHLOROETHANE	ug/l		<5	<5	<5	<5	<5				
2-CHLOROETHYLVINYL ETHER	ug/l		<10	<10	<10	<10	<10				
BROMOFORM	ug/l		<5	<5	<5	<5	<5				
TETRACHLOROETHENE	ug/l		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-TETRACHLOROETHANE	ug/l		<5	<5	<5	<5	<5				
TOLUENE	ug/l		<5	<5	<5	<5	<5	<1	<1	1	1
CHLOROBENZENE	ug/l		<5	<5	<5	<5	<5				
ETHYLBENZENE	ug/l		<5	<5	<5	<5	<5	2	3	2	2

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-2
MONITORING WELL W-2R (REPLACING W-2 AS OF 4-18-89)

PARAMETER	UNITS	3/15/95	5/24/95	8/9/95	12/28/95	3/13/96	5/15/96	8/14/96	12/4/96	2/11/97	5/28/97
ALKALINITY, TOTAL	mg/l										
AMMONIA NITROGEN	mg/l		41				34				31 8
TOTAL COLIFORM	cfu/100 m										
BIOCHEMICAL OXYGEN DEMAND	mg/l										
TOTAL ORGANIC CARBON	mg/l	27	32	28	30	28	27	27	29 0	24 4	21 3
CHEMICAL OXYGEN DEMAND	mg/l					110					
CHLORIDE	mg/l		25		39		21		27		16 8
CYANIDE, TOTAL	mg/l										
FLUORIDE	mg/l										
ALUMINUM, TOTAL	mg/l										
ARSENIC, TOTAL	mg/l										
BARIUM, TOTAL	mg/l										
CADMIUM, TOTAL	mg/l										
CHROMIUM, TOTAL	mg/l										
IRON, TOTAL	mg/l										
LEAD, TOTAL	mg/l										
MANGANESE, TOTAL	mg/l										
MERCURY, TOTAL	mg/l										
SELENIUM, TOTAL	mg/l										
SILVER, TOTAL	mg/l										
SODIUM, TOTAL	mg/l		87 50		93 0		86		89 9		73 2
NITRATE NITROGEN	mg/l										
TOTAL ORGANIC HALOGENS	ug/l	44	38	42	39	42	31	45	50	29 5	31 6
PHENOLICS	mg/l				0 017						
pH	standard	8.68	8 46	8 77	8 58	8 45	8 15	8 31	8 62	8 17	8 09
TOTAL DISSOLVED SOLIDS	mg/l										
SPECIFIC CONDUCTANCE	umhos/c	2040	1920	1920	2260	2140	2120	1460	1160	1780	1550
SULFATE	mg/l		880		1200		1200		843		684
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l		<9				<9		<9		<9
2-CHLOROPHENOL	ug/l		<9				<9		<9		<9
2-NITROPHENOL	ug/l		<9				<9		<9		<9
2,4-DIMETHYLPHENOL	ug/l		<9				<9		<9		<9
2,4-DICHLOROPHENOL	ug/l		<9				<9		<9		<9
4-CHLORO-3-METHYLPHENOL	ug/l		<9				<9		<9		<9
2,4,6-TRICHLOROPHENOL	ug/l		<9				<9		<9		<9
2,4-DINITROPHENOL	ug/l		<24				<24		<24		<23
4-NITROPHENOL	ug/l		<24				<24		<24		<23
2-METHYL-4,6-DINITROPHENOL	ug/l		<24				<24		<24		<23
PENTACHLOROPHENOL	ug/l		<24				<24		<24		<23
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l										
BIS(2-CHLOROETHYL)ETHER	ug/l										
1,3-DICHLOROBENZENE	ug/l										
1,4-DICHLOROBENZENE	ug/l										
1,2-DICHLOROBENZENE	ug/l										
BIS(2-CHLOROISOPROPYL)ETHER	ug/l										
HEXACHLOROETHANE	ug/l										
N-NITROSODI-N-PROPYLAMINE	ug/l										
NITROBENZENE	ug/l										
ISOPHORONE	ug/l										
BIS(2-CHLOROETHOXY)METHANE	ug/l										
1,2,4-TRICHLOROBENZENE	ug/l										
NAPHTHALENE	ug/l	<50	40	<10	<60	<13	50	<60	60	<45	<10
HEXACHLOROBUTADIENE	ug/l										
HEXCHLOROCYCLOPENTADIENE	ug/l										
2-CHLORONAPHTHALENE	ug/l										
ACENAPHTHYLENE	ug/l	<20	<20	<20	<20	<25	<20	<20	<20	<25	<20
DIMETHYL PHTHALATE	ug/l										
2,6-DINITROTOLUENE	ug/l										
ACENAPHTHENE	ug/l	<20	<20	<20	<20	<25	<20	<20	<20	<25	<20
2,4-DINITROTOLUENE	ug/l										
FLUORENE	ug/l	11	9	11	<2	<2.5	9	<12	9	<9	9.3
DIETHYL PHTHALATE	ug/l										
4-CHLOROPHENYL PHENYL ETHER	ug/l										
N-NITROSODIPHENYLAMINE	ug/l										
1,2-DIPHENYLHYDRAZINE	ug/l										

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-2
MONITORING WELL W-2R (REPLACING W-2 AS OF 4-18-89)

PARAMETER	UNITS	3/15/95	5/24/95	8/9/95	12/28/95	3/13/96	5/15/96	8/14/96	12/4/96	2/11/97	5/28/97
4-BROMOPHENYL PHENYL ETHER	ug/l										
HEXACHLOROBENZENE	ug/l										
PHENANTHRENE	ug/l	10	9	11	11	9 80	9	<12	10	7 6	9 8
ANTHRACENE	ug/l	2	1	2	2	2 10	2	3	1	1 5	1 4
DI-N-BUTYL PHTHALATE	ug/l										
FLUORANTHENE	ug/l	2.9	2.9	3.4	3 3	3 12	2 7	<5	2.6	2 61	3 09
BENZIDINE	ug/l										
PYRENE	ug/l	<2	<2	<2	2	<2 5	<2	2	<2	<2 5	2 2
BUTYL BENZYL PHTHALATE	ug/l										
BENZ(A)ANTHRACENE	ug/l	0.10	0.20	0 2	0 20	0 17	0 10	0 10	0.2	0 14	0 17
CHRYSENE	ug/l	<1	<1	<1	<1	<1 3	<1	<1	<1	<1 3	<1
3,3'-DICHLOROBENZIDINE	ug/l										
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l										
DI-N-OCTYL PHTHALATE	ug/l										
BENZO(B)FLUORANTHENE	ug/l	<0.2	<0.2	<0 2	<0 2	<0 25	<0 2	<0 2	<0 2	<0 25	<0 2
BENZO(K)FLUORANTHENE	ug/l	<0.1	<0.1	<0 1	<0 1	<0 13	<0 1	<0 1	<0.1	<0 13	<0 1
BENZO(A)PYRENE	ug/l	<0.2	<0.2	<0 2	<0 2	<0 25	<0 2	<0 2	<0 2	<0 25	<0 2
INDENO(1,2,3-C,D)PYRENE	ug/l	<0.5	<0.5	<0 5	<0 5	<0 63	<0 5	<0.5	<0.5	<0 63	<0.5
DIBENZ(A,H)ANTHRACENE	ug/l	<0.2	<0.2	<0 2	<0 2	<0 25	<0 2	<0 2	<0 2	<0 25	<0 2
BENZO(G,H,I)PERYLENE	ug/l	<0.5	<0.5	<0 5	<0 5	<0 63	<0 5	<0.5	<0.5	<0 63	<0.5
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l										
VOLATILE ORGANICS:											
CHLOROMETHANE	ug/l										
BROMOMETHANE	ug/l										
VINYL CHLORIDE	ug/l										
CHLOROETHANE	ug/l										
METHYLENE CHLORIDE	ug/l										
ACROLEIN	ug/l										
ACRYLONITRILE	ug/l										
TRANS-1,3-DICHLOROPROPENE	ug/l										
CIS-1,3-DICHLOROPROPENE	ug/l										
TRICHLOROFLUOROMETHANE	ug/l										
1,1-DICHLOROETHENE	ug/l										
1,1-DICHLOROETHANE	ug/l										
1,2-DICHLOROETHENE (TOTAL)	ug/l										
CHLOROFORM	ug/l										
1,2-DICHLOROETHANE	ug/l										
1,1,1-TRICHLOROETHANE	ug/l										
CARBON TETRACHLORIDE	ug/l										
BROMODICHLOROMETHANE	ug/l										
1,2-DICHLOROPROPANE	ug/l										
TRICHLOROETHENE	ug/l	<0.5	<0.5		<3	<0 5	<0 5	<0.5	<1	<0.5	<0.5
BENZENE	ug/l	150	98		100	83	75	71	52	42	39
DIBROMOCHLOROMETHANE	ug/l										
1,1,2-TRICHLOROETHANE	ug/l										
2-CHLOROETHYLVINYL ETHER	ug/l										
BROMOFORM	ug/l										
TETRACHLOROETHENE	ug/l	<0.5	<0.5		<3	<0 5	<0.5	<0.5	<1	<0.5	<0.5
1,1,2,2-TETRACHLOROETHANE	ug/l										
TOLUENE	ug/l	1	<1		<5	<1	<1	<1	<1	<1	<1
CHLOROBENZENE	ug/l										
ETHYLBENZENE	ug/l	2	1		<5	1 00	1	1	2	<1	1

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-2
MONITORING WELL W-2R (REPLACING W-2 AS OF 4-18-89)

PARAMETER	UNITS	8/14/97	11/19/97
ALKALINITY, TOTAL	mg/l		
AMMONIA NITROGEN	mg/l		
TOTAL COLIFORM	cfu/100 m		
BIOCHEMICAL OXYGEN DEMAND	mg/l		
TOTAL ORGANIC CARBON	mg/l	22.7	24.4
CHEMICAL OXYGEN DEMAND	mg/l		
CHLORIDE	mg/l		20.9
CYANIDE, TOTAL	mg/l		
FLUORIDE	mg/l		
ALUMINUM, TOTAL	mg/l		
ARSENIC, TOTAL	mg/l		
BARIUM, TOTAL	mg/l		
CADMIUM, TOTAL	mg/l		
CHROMIUM, TOTAL	mg/l		
IRON, TOTAL	mg/l		
LEAD, TOTAL	mg/l		
MANGANESE, TOTAL	mg/l		
MERCURY, TOTAL	mg/l		
SELENIUM, TOTAL	mg/l		
SILVER, TOTAL	mg/l		
SODIUM, TOTAL	mg/l		78.7
NITRATE NITROGEN	mg/l		
TOTAL ORGANIC HALOGENS	ug/l	30.1	33
PHENOLICS	mg/l		
pH	standard	8.14	8.30
TOTAL DISSOLVED SOLIDS	mg/l		
SPECIFIC CONDUCTANCE	umhos/c	1610	1340
SULFATE	mg/l		650
HERBICIDES:			
2,4-D	ug/l		
2,4,5-TP	ug/l		
PESTICIDES:			
ENDRIN	ug/l		
LINDANE	ug/l		
METHOXYCHLOR	ug/l		
TOXAPHENE	ug/l		
ACID EXTRACTABLES:			
PHENOL	ug/l		<9
2-CHLOROPHENOL	ug/l		<9
2-NITROPHENOL	ug/l		<9
2,4-DIMETHYLPHENOL	ug/l		<9
2,4-DICHLOROPHENOL	ug/l		<9
4-CHLORO-3-METHYLPHENOL	ug/l		<9
2,4,6-TRICHLOROPHENOL	ug/l		<9
2,4-DINITROPHENOL	ug/l		<24
4-NITROPHENOL	ug/l		<24
2-METHYL-4,6-DINITROPHENOL	ug/l		<24
PENTACHLOROPHENOL	ug/l		<24
BASE/NEUTRAL EXTRACTABLES:			
N-NITROSODIMETHYLAMINE	ug/l		
BIS(2-CHLOROETHYL)ETHER	ug/l		
1,3-DICHLOROBENZENE	ug/l		
1,4-DICHLOROBENZENE	ug/l		
1,2-DICHLOROBENZENE	ug/l		
BIS(2-CHLOROISOPROPYL)ETHER	ug/l		
HEXACHLOROETHANE	ug/l		
N-NITROSODI-N-PROPYLAMINE	ug/l		
NITROBENZENE	ug/l		
ISOPHORONE	ug/l		
BIS(2-CHLOROETHOXY)METHANE	ug/l		
1,2,4-TRICHLOROBENZENE	ug/l		
NAPHTHALENE	ug/l	54	62.2
HEXACHLOROBUTADIENE	ug/l		
HEXCHLOROCYCLOPENTADIENE	ug/l		
2-CHLORONAPHTHALENE	ug/l		
ACENAPHTHYLENE	ug/l	<20	23.60
DIMETHYL PHTHALATE	ug/l		
2,6-DINITROTOLUENE	ug/l		
ACENAPHTHENE	ug/l	<20	<21
2,4-DINITROTOLUENE	ug/l		
FLUORENE	ug/l	9.9	13.30
DIETHYL PHTHALATE	ug/l		
4-CHLOROPHENYL PHENYL ETHER	ug/l		
N-NITROSODIPHENYLAMINE	ug/l		
1,2-DIPHENYLHYDRAZINE	ug/l		

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-2
MONITORING WELL W-2R (REPLACING W-2 AS OF 4-18-89)

PARAMETER	UNITS	8/14/97	11/19/97
4-BROMOPHENYL PHENYL ETHER	ug/l		
HEXACHLOROBENZENE	ug/l		
PHENANTHRENE	ug/l	10.8	13.70
ANTHRACENE	ug/l	2.4	1.40
DI-N-BUTYL PHTHALATE	ug/l		
FLUORANTHENE	ug/l	3.05	5.04
BENZIDINE	ug/l		
PYRENE	ug/l	<2	3.10
BUTYL BENZYL PHTHALATE	ug/l		
BENZ(A)ANTHRACENE	ug/l	0.14	0.21
CHRYSENE	ug/l	<1	<0.22
3,3'-DICHLOROBENZIDINE	ug/l		
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l		
DI-N-OCTYL PHTHALATE	ug/l		
BENZO(B)FLUORANTHENE	ug/l	<0.2	<0.044
BENZO(K)FLUORANTHENE	ug/l	<0.1	<0.022
BENZO(A)PYRENE	ug/l	<0.2	<0.044
INDENO(1,2,3-C,D)PYRENE	ug/l	<0.5	<0.11
DIBENZ(A,H)ANTHRACENE	ug/l	<0.2	<0.044
BENZO(G,H,I)PERYLENE	ug/l	<0.5	<0.11
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l		
VOLATILE ORGANICS:			
CHLOROMETHANE	ug/l		
BROMOMETHANE	ug/l		
VINYL CHLORIDE	ug/l		
CHLOROETHANE	ug/l		
METHYLENE CHLORIDE	ug/l		
ACROLEIN	ug/l		
ACRYLONITRILE	ug/l		
TRANS-1,3-DICHLOROPROPENE	ug/l		
CIS-1,3-DICHLOROPROPENE	ug/l		
TRICHLOROFLUOROMETHANE	ug/l		
1,1-DICHLOROETHENE	ug/l		
1,1-DICHLOROETHANE	ug/l		
1,2-DICHLOROETHENE (TOTAL)	ug/l		
CHLOROFORM	ug/l		
1,2-DICHLOROETHANE	ug/l		
1,1,1-TRICHLOROETHANE	ug/l		
CARBON TETRACHLORIDE	ug/l		
BROMODICHLOROMETHANE	ug/l		
1,2-DICHLOROPROPANE	ug/l		
TRICHLOROETHENE	ug/l	<1	<0.5
BENZENE	ug/l	37	30
DIBROMOCHLOROMETHANE	ug/l		
1,1,2-TRICHLOROETHANE	ug/l		
2-CHLOROETHYLVINYL ETHER	ug/l		
BROMOFORM	ug/l		
TETRACHLOROETHENE	ug/l	<1	<0.5
1,1,2,2-TETRACHLOROETHANE	ug/l		
TOLUENE	ug/l	<1	<1
CHLOROBENZENE	ug/l		
ETHYLBENZENE	ug/l	1	1

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-3

PARAMETER	UNITS	4/10/85	6/26/85	10/15/85	1/23/86	4/24/86	7/29/86	10/10/86	1/8/87	4/16/87	7/17/87
ALKALINITY, TOTAL	mg/l	65.50	44.20	47.10	39.30	39 80	58	44 60	62 40	58.70	55.60
AMMONIA NITROGEN	mg/l	14 30	13.10	6.30	1.27	2 48	4 55	5.91	2.64	1 20	2.40
TOTAL COLIFORM	cfu/100 m	400	1	5	<2		<2	2	<1		<1
BIOCHEMICAL OXYGEN DEMAND	mg/l	2.40		0 90	4 65	6 80	17	4 70	4 10	2.90	0 90
TOTAL ORGANIC CARBON	mg/l	6.70	5.51	3.10	1 39	1 75	1 60	2.50	2 60	2.10	1.50
CHEMICAL OXYGEN DEMAND	mg/l	12.70	57.30	14.50	36.0	<10	<10	<10	38 70	14 50	<10
CHLORIDE	mg/l	12.30	14.80	17.0	11 60	9 50			<10		
CYANIDE, TOTAL	mg/l	0.004	0.001	0.025	0 006	0 057	0 066	0 012	0 015	0 009	0.010
FLUORIDE	mg/l	0.62	0.47	0.28	0 43	0 44	0 53	0 49	0 42	0 44	0 50
ALUMINUM, TOTAL	mg/l	<0.5	<0.5								
ARSENIC, TOTAL	mg/l	<0.001	<0.001								
BARIUM, TOTAL	mg/l	<0.5	<0.5								
CADMIUM, TOTAL	mg/l										
CHROMIUM, TOTAL	mg/l	0.004	0.002	0.006	0.002	<0 001	<0 001	0 005	<0 001	0 002	0 003
IRON, TOTAL	mg/l	0.50	<0.05	0.10	<0 1	<0 10	<0.1	38	0 24	<0 1	<0.1
LEAD, TOTAL	mg/l	<0.001	<0.001								
MANGANESE, TOTAL	mg/l	1.70	1.40	1.04	0 67	0 58	1 30	3 20	0.20	0.20	0 20
MERCURY, TOTAL	mg/l	0.0002	<0.005								
SELENIUM, TOTAL	mg/l	0.005	0.003								
SILVER, TOTAL	mg/l	<0.001	<0.001								
SODIUM, TOTAL	mg/l	54.20	53	41	25 0	23 10	34 0	24.0	258	11 40	11.60
NITRATE NITROGEN	mg/l	15.30	10.50	15	11 90	7 05	5 40	5 80	<0.26	2.80	2.45
TOTAL ORGANIC HALOGENS	ug/l	48	7	<5	<5	1040	<5	13	10	<5.	100
PHENOLICS	mg/l	<0.005	<0.005	<0.005	<0.005	0 008	<0 005	<0 005	0.006	<0 005	<0 005
pH	standard	6.50	6.19	6.15	6.40	6 95	6 37	6.47	6.44	6.39	6.30
TOTAL DISSOLVED SOLIDS	mg/l	880	921	762	511	572	252	848	331	278	272
SPECIFIC CONDUCTANCE	umhos/c	1070	1097	903	702	534	754	583	432	353	328
SULFATE	mg/l	513	420	360	249	51 90	298	200	3252	99.0	91
HERBICIDES:											
2,4-D	ug/l	<0.25	<1.0								
2,4,5-TP	ug/l	<0.25	<1.0								
PESTICIDES:											
ENDRIN	ug/l	<0.05	<0.022								
LINDANE	ug/l	<0.05	<0.003								
METHOXYCHLOR	ug/l	<0.25	<0.049								
TOXAPHENE	ug/l	<2.5	<0.098								
ACID EXTRACTABLES:											
PHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<11	<10	<10
2-CHLOROPHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<11	<10	<10
2-NITROPHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<11	<10	<10
2,4-DIMETHYLPHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<11	<10	<10
2,4-DICHLOROPHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<11	<10	<10
4-CHLORO-3-METHYLPHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<11	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<11	<10	<10
2,4-DINITROPHENOL	ug/l	<20	<20	<20	<20	<50	<50	<50	<55	<50	<50
4-NITROPHENOL	ug/l	<40	<40	<40	<40	<50	<50	<50	<55	<50	<50
2-METHYL-4,6-DINITROPHENOL	ug/l	<20	<20	<20	<20	<50	<50	<50	<55	<50	<50
PENTACHLOROPHENOL	ug/l	<25	<25	<25	<25	<50	<50	<50	<55	<50	<50
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l	<10	<10	<10	<10	<10					
BIS(2-CHLOROETHYL)ETHER	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
1,3-DICHLOROBENZENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
1,4-DICHLOROBENZENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
1,2-DICHLOROBENZENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
HEXACHLOROETHANE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
N-NITROSODI-N-PROPYLAMINE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
NITROBENZENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
ISOPHORONE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
BIS(2-CHLOROETHOXY)METHANE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
1,2,4-TRICHLOROBENZENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
NAPHTHALENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
HEXACHLOROBUTADIENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
HEXCHLOROCYCLOPENTADIENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
2-CHLORONAPHTHALENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
ACENAPHTHYLENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
DIMETHYL PHTHALATE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
2,6-DINITROTOLUENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<11	<10	<10
ACENAPHTHENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
2,4-DINITROTOLUENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<11	<10	<10
FLUORENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
DIETHYL PHTHALATE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
4-CHLOROPHENYL PHENYL ETHER	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
N-NITROSODIPHENYLAMINE	ug/l	<10	<10	<10	<10	<10	<10	<10	<11	<10	<10
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<10	<10	<10		<10	<11	<10	<10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-3

PARAMETER	UNITS	4/10/85	6/26/85	10/15/85	1/23/86	4/24/86	7/29/86	10/10/86	1/8/87	4/16/87	7/17/87
4-BROMOPHENYL PHENYL ETHER	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
HEXACHLOROBENZENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
PHENANTHRENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
ANTHRACENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
DI-N-BUTYL PHTHALATE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
FLUORANTHENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
BENZIDINE	ug/l	<100	<100	<100	<100	<20					
PYRENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
BUTYL BENZYL PHTHALATE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11	<10	<10
BENZ(A)ANTHRACENE	ug/l	<10	<10	<10	<10	<10	<10	<10		<10	<10
CHRYSENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<11	<10	<10
3,3'-DICHLOROBENZIDINE	ug/l	<10	<10	<10	<10	<20	<20	<20	<22	<20	<20
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	12	<5	<5	<5	<10	<10	<10	<11	<10	<10
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<10	<10	<10	<10	<10	<11	<10	<10
BENZO(B)FLUORANTHENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<11	<10	<10
BENZO(K)FLUORANTHENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<11	<10	<10
BENZO(A)PYRENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<11	<10	<10
INDENO(1,2,3-C,D)PYRENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<11	<10	<10
DIBENZ(A,H)ANTHRACENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<11	<10	<10
BENZO(G,H,I)PERYLENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<11	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l	<10	<10	<10	<10	<10		<10	<11	<10	<10
VOLATILE ORGANICS:											
CHLOROMETHANE	ug/l	<5.0	<5 0	<5 0	<5 0	<5 0	<5	<10	<10	<2 0	<2 0
BROMOMETHANE	ug/l	<5.0	<5.0	<5 0	<5 0	<5 0	<5	<10	<10	<2 0	<2 0
VINYL CHLORIDE	ug/l	<5.0	<5.0	<5 0	<5 0	<5 0	<5	<10	<10	<2.0	<2 0
CHLOROETHANE	ug/l	<5.0	<5.0	<5 0	<5 0	<5 0	<5	<10	<10	<2.0	<2 0
METHYLENE CHLORIDE	ug/l	3.80	<1.0	<1 0	<1 0	6 10	<5	<5	<5	34	<1 0
ACROLEIN	ug/l	<100	<100	<100	<100	<100	<80				
ACRYLONITRILE	ug/l	<25	<25	<25	<25	<25	<80				
TRANS-1,3-DICHLOROPROPENE	ug/l	<5.0	<5.0	<5 0	<5 0	<5 0	<5	<5	<5	<1 0	<1 0
CIS-1,3-DICHLOROPROPENE	ug/l	<5.0	<5.0	<5 0	<5 0	<5 0	<5	<5	<5	<1 0	<1 0
TRICHLOROFLUOROMETHANE	ug/l							<5	<5	<1 0	
1,1-DICHLOROETHENE	ug/l	<1.0	<1.0	<1 0	<1 0	<1 0	<5	<5	<5	<1 0	<1 0
1,1-DICHLOROETHANE	ug/l	<1.0	<1.0	<1 0	<1 0	<1 0	<5	<5	<5	<1.0	<1 0
1,2-DICHLOROETHENE (TOTAL)	ug/l	<1.0	<1.0	<1 0	<1 0	<1 0	<5	<5	<5	<1.0	<1 0
CHLOROFORM	ug/l	<1.0	<1.0	<1 0	<1 0	<1 0	<5	<5	<5	<1.0	1.30
1,2-DICHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<5 0	<5 0	<5	<5	<5	<1.0	<1 0
1,1,1-TRICHLOROETHANE	ug/l	<1.0	<1.0	<1 0	<1 0	<1 0	<5	<5	<5	<1.0	<1 0
CARBON TETRACHLORIDE	ug/l	<1.0	<1.0	<1 0	<1 0	<1 0	<5	<5	<5	<1.0	<1.0
BROMODICHLOROMETHANE	ug/l	<1.0	<1.0	<1 0	<1 0	<1 0	<5	<5	<5	<1.0	<1 0
1,2-DICHLOROPROPANE	ug/l	<5.0	<5.0	<5.0	<5 0	<5 0	<5	<5	<5	<1.0	<1.0
TRICHLOROETHENE	ug/l	<0.2	<0.2	<0.2	<0.2	<0 2	<5	<5	<5	<1.0	<1.0
BENZENE	ug/l	<1.0	<1.0	<1.0	<1 0	<1 0	<5	<5	<5	<1.0	<1 0
DIBROMOCHLOROMETHANE	ug/l	<1.0	<1.0	<1.0	<1 0	<1 0	<5	<5	<5	<1.0	<1 0
1,1,2-TRICHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<5 0	<5 0	<5	<5	<5	<1.0	<1.0
2-CHLOROETHYLVINYL ETHER	ug/l	<5.0	<5.0	<5.0	<5.0	<5 0	<5	<10	<10	<2.0	<2.0
BROMOFORM	ug/l	<5.0	<5.0	<5.0	<5 0	<5 0	<5	<5	<5	<1.0	<1.0
TETRACHLOROETHENE	ug/l	<1.0	<1.0	<1.0	<1.0	<1 0	<5	<5	<5	<1.0	<1 0
1,1,2,2-TETRACHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5	<1.0	<1.0
TOLUENE	ug/l	<0.2	<0.2	<0.2	<0.2	<0 2	<5	<5	<5	<1.0	<1 0
CHLOROBENZENE	ug/l	<1.0	<1.0	<1 0	<1.0	<1 0	<5	<5	<5	<1.0	<1 0
ETHYLBENZENE	ug/l	<1.0	<1.0	<1.0	<1 0	<1 0	<5	<5	<5	<1.0	<1.0

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-DICHLOROPROPENE COULD NOT BE RESOLVED. VALUES REPORTED INDICATE THE SUM OF BOTH ISOMERS COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/86.

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD NOT BE RESOLVED. VALUES REPORTED INDICATE THE SUM OF BOTH COMPOUNDS. 10/15/85.

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QUADRUPLICATE SAMPLES.

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-3

PARAMETER	UNITS	10/28/87	2/11/88	3/8/88	5/19/88	1/18/89	4/18/89	8/1/89	10/30/89	1/11/90	4/5/90
ALKALINITY, TOTAL	mg/l	43.90	55.40		51 90	49	46	51	53	48	55
AMMONIA NITROGEN	mg/l	0.47	1 60		2 33	1 20	1 20	1 40	0 50	0 60	1 50
TOTAL COLIFORM	cfu/100 m	510	270		170	(3) <10	<2 2	9 20	>16	<2 2	<2 2
BIOCHEMICAL OXYGEN DEMAND	mg/l	1 50	4 80		5 0	<6	<6	<12	7	<6	13
TOTAL ORGANIC CARBON	mg/l	2.20	1 40		0 59	1 10	1 10	1 60	1 60	1 30	1 20
CHEMICAL OXYGEN DEMAND	mg/l	<10	<10 0		10 40	<50	<50	<50	<50	<50	60
CHLORIDE	mg/l	<10 0	<10		<10	4	3	2	2	3	5
CYANIDE, TOTAL	mg/l	0 028	0 067		<0 009	0 04	0 027	0 039	0 038	0 032	0 094
FLUORIDE	mg/l	0.47	0 47		0 50	0 40	0 30	0 40	0 40	0 4	0 40
ALUMINUM, TOTAL	mg/l										
ARSENIC, TOTAL	mg/l					<0 01	<0 01	<0 01	<0 01	<0 01	<0 01
BARIUM, TOTAL	mg/l					0 10	<0 1	<0 1	0 10	<0 1	0 10
CADMIUM, TOTAL	mg/l					<0 005	<0 005	<0 005		<0 005	<0 005
CHROMIUM, TOTAL	mg/l	0.004	0 013		0 004	<0 05	<0 05	<0 05	<0 05	<0 05	<0 05
IRON, TOTAL	mg/l	<0 1	0 30		<0 1						
LEAD, TOTAL	mg/l					<0 05	<0 05	<0 05	<0 05	<0 05	<0 05
MANGANESE, TOTAL	mg/l	0.30	0 20		0 20						
MERCURY, TOTAL	mg/l					<0 0005	<0 0005	<0 0005	<0 0005	<0.0005	<0 0005
SELENIUM, TOTAL	mg/l					0 009	0 008	<0 005	<0 005	<0 005	<0 005
SILVER, TOTAL	mg/l					<0 01	<0 01	<0 01	<0 01	<0 01	<0 01
SODIUM, TOTAL	mg/l	9.18	8 30		7 80			10 40	8.70	9 70	10 60
NITRATE NITROGEN	mg/l	1.39	1 99		1 55	2 80	2 20	2 10	2 10	0 9	0 80
TOTAL ORGANIC HALOGENS	ug/l	8	96		123	<5	6	<5	<5	<5	<5
PHENOLICS	mg/l	<0.005	<0 005		<0 005						
pH	standard	6.28	6 54		6 21	6 49	6 61	6 30	6 21	6 34	6 47
TOTAL DISSOLVED SOLIDS	mg/l	204	236		215	220	250	230	220	240	290
SPECIFIC CONDUCTANCE	umhos/c	242	303		273	310	3510	300	304	323	330
SULFATE	mg/l	67.50	83 70		72 70	89	99	79	82	101	96
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
2-NITROPHENOL	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
4-CHLORO-3-METHYLPHENOL	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	<50		<50	<50	<25	<25	<25	<25	<25	<25
4-NITROPHENOL	ug/l	<50		<50	<50	<25	<25	<25	<25	<25	<25
2-METHYL-4,6-DINITROPHENOL	ug/l	<50		<50	<50	<25	<25	<25	<25	<25	<25
PENTACHLOROPHENOL	ug/l	<50		<50	<50	<25	<25	<25	<25	<25	<25
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
BIS(2-CHLOROETHYL)ETHER	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
1,3-DICHLOROBENZENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
1,4-DICHLOROBENZENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
1,2-DICHLOROBENZENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
HEXACHLOROETHANE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
N-NITROSODI-N-PROPYLAMINE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
NITROBENZENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
ISOPHORONE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
BIS(2-CHLOROETHOXY)METHANE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
1,2,4-TRICHLOROBENZENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
NAPHTHALENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
HEXACHLOROBUTADIENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
HEXCHLOROCYCLOPENTADIENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
2-CHLORONAPHTHALENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
ACENAPHTHYLENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
DIMETHYL PHTHALATE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
2,6-DINITROTOLUENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
ACENAPHTHENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
2,4-DINITROTOLUENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
FLUORENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
DIETHYL PHTHALATE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
4-CHLOROPHENYL PHENYL ETHER	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
N-NITROSODIPHENYLAMINE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
1,2-DIPHENYLHYDRAZINE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-3

PARAMETER	UNITS	10/28/87	2/11/88	3/8/88	5/19/88	1/18/89	4/18/89	8/1/89	10/30/89	1/11/90	4/5/90
4-BROMOPHENYL PHENYL ETHER	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
HEXACHLOROBENZENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
PHENANTHRENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
ANTHRACENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
DI-N-BUTYL PHTHALATE	ug/l	<01		<11	<10	<10	<10	<10	<10	<10	<10
FLUORANTHENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
BENZIDINE	ug/l	<20		<11	<20	<25	<25	<25	<25	<25	<25
PYRENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
BUTYL BENZYL PHTHALATE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
BENZ(A)ANTHRACENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
CHRYSENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
3,3'-DICHLOROBENZIDINE	ug/l	<20		<11	<20	<25	<25	<25	<25	<25	<25
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
DI-N-OCTYL PHTHALATE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
BENZO(B)FLUORANTHENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
BENZO(K)FLUORANTHENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
BENZO(A)PYRENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
INDENO(1,2,3-C,D)PYRENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
DIBENZ(A,H)ANTHRACENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
BENZO(G,H,I)PERYLENE	ug/l	<10		<11	<10	<10	<10	<10	<10	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l	<10		<11	<10						
VOLATILE ORGANICS:											
CHLOROMETHANE	ug/l	<2	<2		<2	<10	<10	<10	<10	<10	<10
BROMOMETHANE	ug/l	<2	<2		<2	<10	<10	<10	<10	<10	<10
VINYL CHLORIDE	ug/l	<2	<2		<2	<10	<10	<10	<10	<10	<10
CHLOROETHANE	ug/l	<2	<2		<2	<10	<10	<10	<10	<10	<10
METHYLENE CHLORIDE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
ACROLEIN	ug/l					<100	<100	<100	<100	<100	<100
ACRYLONITRILE	ug/l					<100	<100	<100	<100	<100	<100
TRANS-1,3-DICHLOROPROPENE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
TRICHLOROFLUOROMETHANE	ug/l				<1	<5	<5	<5	<5	<5	<5
1,1-DICHLOROETHENE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
1,1-DICHLOROETHANE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
1,2-DICHLOROETHENE (TOTAL)	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
CHLOROFORM	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
1,2-DICHLOROETHANE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
CARBON TETRACHLORIDE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
BROMODICHLOROMETHANE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
1,2-DICHLOROPROPANE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
TRICHLOROETHENE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
BENZENE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
DIBROMOCHLOROMETHANE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
2-CHLOROETHYLVINYL ETHER	ug/l	<2	<2		<2	<10	<10	<10	<10	<10	<10
BROMOFORM	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
TETRACHLOROETHENE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
TOLUENE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
CHLOROBENZENE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
ETHYLBENZENE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-3

PARAMETER	UNITS	7/10/90	10/11/90	1/8/91	2/20/91	5/2/91	7/18/91	10/25/91	1/16/92	4/16/92	8/13/92
ALKALINITY, TOTAL	mg/l	49	72	96		79	140	105	124 00	130 00	130 00
AMMONIA NITROGEN	mg/l	1.40	2.00	1.90		2 10	1 40	3.10	3 00	4 00	2 00
TOTAL COLIFORM	cfu/100 m	<2.2	<2.2	<2.2		<2 2	5.20	5 20	5.20	<2 2	<2 2
BIOCHEMICAL OXYGEN DEMAND	mg/l		<12	<6		<6	<6	<6	<12	9 00	3 00
TOTAL ORGANIC CARBON	mg/l	2.20	2.00	2.10	(4) 2 2	2 50	3 10	4 40	2.60	3 10	3 40
CHEMICAL OXYGEN DEMAND	mg/l	100	460	60		<50	380	70	140 00	220 00	50 00
CHLORIDE	mg/l	15	34	29		42	25	35	18 00	17 00	19 00
CYANIDE, TOTAL	mg/l	0.016	0.174	0.120		0 042	0 086	0.038	<0.005	0 075	0 044
FLUORIDE	mg/l	0.40	0.40	0.30		0 30	0 40	0.50	0 40	0 40	0 50
ALUMINUM, TOTAL	mg/l										
ARSENIC, TOTAL	mg/l	<0.01	<0.01	<0.01			0 01	<0 01	<0 01	<0 01	
BARIUM, TOTAL	mg/l	0.10	<0.2	<0.2			<0 2	0 10	<0.2	<0 2	
CADMIUM, TOTAL	mg/l	<0.005	<0.005	<0 005			<0 005	<0 005	0 079	<0 005	
CHROMIUM, TOTAL	mg/l	<0.05	<0.05	<0.05			0 08	<0.05	0 080	<0 05	
IRON, TOTAL	mg/l										
LEAD, TOTAL	mg/l	<0 05	<0.05	<0.05			0 06	<0 05	0 100	<0 05	
MANGANESE, TOTAL	mg/l										
MERCURY, TOTAL	mg/l	<0.0005	<0.0005	<0.0005			0 008	<0.0005	<0 0005	<0 0002	
SELENIUM, TOTAL	mg/l	0.009	<0.005	<0.005			0 011	<0 005	<0 005	<0 005	
SILVER, TOTAL	mg/l	<0.01	<0.01	<0 01			<0 01	<0.01	0.070	<0 01	
SODIUM, TOTAL	mg/l	11.60	25.50	26 30			49 30	63.80	73 30	64 90	
NITRATE NITROGEN	mg/l	1.90	2.80	0.90		4 70	1 30	3 30	1 40	1 30	2.10
TOTAL ORGANIC HALOGENS	ug/l	<5	<5	7	(4) <5	<5	<5	8	7 00	<5	8 00
PHENOLICS	mg/l										
pH	standard	6.21	6.38	6.28	(4) 6.30	6 24	6.70	6 20	6 36	6 50	6 43
TOTAL DISSOLVED SOLIDS	mg/l	380	720	790		1110	1050	1590	1500	1480	1460 00
SPECIFIC CONDUCTANCE	umhos/c	505	955	1060	(4) 1290	1390	1320	1840	1750	1760	1680 00
SULFATE	mg/l	153	379	412		611	560	940	900	1000	700.00
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2-NITROPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
4-CHLORO-3-METHYLPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	<25	<25	<25		<25	<25	<25	<25	<25	<25
4-NITROPHENOL	ug/l	<25	<25	<25		<25	<25	<25	<25	<25	<25
2-METHYL-4,6-DINITROPHENOL	ug/l	<25	<25	<25		<25	<25	<25	<25	<25	<25
PENTACHLOROPHENOL	ug/l	<25	<25	<25		<25	<25	<50	<50	<50	<50
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BIS(2-CHLOROETHYL)ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
1,3-DICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
1,4-DICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
1,2-DICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
HEXACHLOROETHANE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
N-NITROSODI-N-PROPYLAMINE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
NITROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
ISOPHORONE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BIS(2-CHLOROETHOXY)METHANE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
1,2,4-TRICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
NAPHTHALENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
HEXACHLOROBUTADIENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
HEXCHLOROCYCLOPENTADIENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2-CHLORONAPHTHALENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
ACENAPHTHYLENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
DIMETHYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2,6-DINITROTOLUENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
ACENAPHTHENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2,4-DINITROTOLUENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
FLUORENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
DIETHYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
4-CHLOROPHENYL PHENYL ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
N-NITROSODIPHENYLAMINE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-3

PARAMETER	UNITS	7/10/90	10/11/90	1/8/91	2/20/91	5/2/91	7/18/91	10/25/91	1/16/92	4/16/92	8/13/92
4-BROMOPHENYL PHENYL ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
HEXACHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
PHENANTHRENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
ANTHRACENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
DI-N-BUTYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
FLUORANTHENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BENZIDINE	ug/l	<25	<25	<25		<25	<25	<100	<100	<100	<100
PYRENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BUTYL BENZYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BENZ(A)ANTHRACENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
CHRYSENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
3,3'-DICHLOROBENZIDINE	ug/l	<25	<25	<25		<25	<20	<20	<20	<20	<20
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BENZO(B)FLUORANTHENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BENZO(K)FLUORANTHENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BENZO(A)PYRENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
INDENO(1,2,3-C,D)PYRENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
DIBENZ(A,H)ANTHRACENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BENZO(G,H,I)PERYLENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l										
VOLATILE ORGANICS:											
CHLOROMETHANE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BROMOMETHANE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
VINYL CHLORIDE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
CHLOROETHANE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
METHYLENE CHLORIDE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
ACROLEIN	ug/l	<100	<100	<100		<100	<100	<100	<100	<100	<100
ACRYLONITRILE	ug/l	<100	<100	<100		<100	<100	<100	<100	<100	<100
TRANS-1,3-DICHLOROPROPENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
TRICHLOROFLUOROMETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1-DICHLOROETHENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1-DICHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,2-DICHLOROETHENE (TOTAL)	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
CHLOROFORM	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,2-DICHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
CARBON TETRACHLORIDE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
BROMODICHLOROMETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,2-DICHLOROPROPANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
TRICHLOROETHENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
BENZENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
DIBROMOCHLOROMETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
2-CHLOROETHYLVINYL ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BROMOFORM	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
TETRACHLOROETHENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
TOLUENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
CHLOROBENZENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
ETHYLBENZENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-3

PARAMETER	UNITS	8/31/92	11/5/92	1/28/93	5/5/93	7/27/93	11/17/93	3/15/94	5/10/94	9/8/94	11/17/94
ALKALINITY, TOTAL	mg/l		143.00	453	657	242 00	443				
AMMONIA NITROGEN	mg/l		3.00	2.00	5	2 00	4	2	4	5	
TOTAL COLIFORM	cfu/100 m		>16	5.20	>16	5 20	5 20				
BIOCHEMICAL OXYGEN DEMAND	mg/l		2.00	2.00	6	5 00	3				
TOTAL ORGANIC CARBON	mg/l		3.30	13 00	16	10 00	11	13	13	11	11
CHEMICAL OXYGEN DEMAND	mg/l		180.00	170.00	60	80 00	90				
CHLORIDE	mg/l		20.00	80.00	77	82 00	80	46			68
CYANIDE, TOTAL	mg/l		0.103	0 065	0 085	0 06	0 082				
FLUORIDE	mg/l			0.60	0 60	0 50	0 60				
ALUMINUM, TOTAL	mg/l										
ARSENIC, TOTAL	mg/l	<0.01	0.05	0.008	0 005	0 0041	0 0093				
BARIUM, TOTAL	mg/l	<0.1	0.20	<0.1	<0 1	<0 1	<0.1				
CADMIUM, TOTAL	mg/l		<0.01	<0.01	<0 01	<0 01	<0 01				
CHROMIUM, TOTAL	mg/l	<0.05	0.11	0.06	<0 05	<0 05	<0 05				
IRON, TOTAL	mg/l										
LEAD, TOTAL	mg/l	<0.1	0.20	<0.1	<0 1	<0 1	<0.1				
MANGANESE, TOTAL	mg/l										
MERCURY, TOTAL	mg/l	<0.0002	0.001	0.0002	<0 0002	0 00023	0 00044				
SELENIUM, TOTAL	mg/l		0.02	0.007	0 005	0 0048	0 0070				
SILVER, TOTAL	mg/l	<0.02	<0.02	<0.02	<0 02	<0 02	<0 02				
SODIUM, TOTAL	mg/l	54.00	58.80	125.00	130.00	106 00	110	104			114
NITRATE NITROGEN	mg/l		1.80	7.70	6 30	3 00	1 30				
TOTAL ORGANIC HALOGENS	ug/l		14.00	40.00	32	24 00	32	31	26	25	26
PHENOLICS	mg/l										
pH	standard		6.67	6.90	6.89	6 40	6 73	6.99	6.78	6.63	6 80
TOTAL DISSOLVED SOLIDS	mg/l		1500.00	4240.00	4130	4200 00	4200				
SPECIFIC CONDUCTANCE	umhos/c		1810.00	4400 00	4170	4200 00	4370	3780	4060	4270	4140
SULFATE	mg/l		1030.00	2400.00	2200	3200 00	2500	1700			2400
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2-CHLOROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2-NITROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2,4-DIMETHYLPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2,4-DICHLOROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
4-CHLORO-3-METHYLPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2,4,6-TRICHLOROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2,4-DINITROPHENOL	ug/l		<25	<25	<25	<25	<25	<25			<24
4-NITROPHENOL	ug/l		<25	<25	<25	<25	<25	<25			<24
2-METHYL-4,6-DINITROPHENOL	ug/l		<25	<25	<25	<25	<25	<25			<24
PENTACHLOROPHENOL	ug/l		<50	<50	<50	<25	<25	<25			<24
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l		<10	<10	<10	<10	<10				
BIS(2-CHLOROETHYL)ETHER	ug/l		<10	<10	<10	<10	<10				
1,3-DICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
1,4-DICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
1,2-DICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
BIS(2-CHLOROISOPROPYL)ETHER	ug/l		<10	<10	<10	<10	<10				
HEXACHLOROETHANE	ug/l		<10	<10	<10	<10	<10				
N-NITROSODI-N-PROPYLAMINE	ug/l		<10	<10	<10	<10	<10				
NITROBENZENE	ug/l		<10	<10	<10	<10	<10				
ISOPHORONE	ug/l		<10	<10	<10	<10	<10				
BIS(2-CHLOROETHOXY)METHANE	ug/l		<10	<10	<10	<10	<10				
1,2,4-TRICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
NAPHTHALENE	ug/l		<10	<10	<10	<10	<10	<10	<10	<10	<10
HEXACHLOROBUTADIENE	ug/l		<10	<10	<10	<10	<10				
HEXCHLOROCYCLOPENTADIENE	ug/l		<10	<10	<10	<10	<10				
2-CHLORONAPHTHALENE	ug/l		<10	<10	<10	<10	<10				
ACENAPHTHYLENE	ug/l		<10	<10	<10	<10	<10	<20	<20	<20	<20
DIMETHYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
2,6-DINITROTOLUENE	ug/l		<10	<10	<10	<10	<10				
ACENAPHTHENE	ug/l		<10	<10	<10	<10	<10	<20	<20	<20	<20
2,4-DINITROTOLUENE	ug/l		<10	<10	<10	<10	<10				
FLUORENE	ug/l		<10	<10	<10	<10	<10	<2	<2	<2	<2
DIETHYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
4-CHLOROPHENYL PHENYL ETHER	ug/l		<10	<10	<10	<10	<10				
N-NITROSODIPHENYLAMINE	ug/l		<10	<10	<10	<10	<10				
1,2-DIPHENYLHYDRAZINE	ug/l		<10	<10	<10	<10	<10				

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-3

PARAMETER	UNITS	8/31/92	11/5/92	1/28/93	5/5/93	7/27/93	11/17/93	3/15/94	5/10/94	9/8/94	11/17/94
4-BROMOPHENYL PHENYL ETHER	ug/l		<10	<10	<10	<10	<10				
HEXACHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
PHENANTHRENE	ug/l		<10	<10	<10	<10	<10	<2	<2	<2	<2
ANTHRACENE	ug/l		<10	<10	<10	<10	<10	<1	<1	<1	<1
DI-N-BUTYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
FLUORANTHENE	ug/l		<10	<10	<10	<10	<10	<0 5	<0 5	<0 5	<0 5
BENZIDINE	ug/l		<100	<100	<100	<100	<100				
PYRENE	ug/l		<10	<10	<10	<10	<10	<2	<2	<2	<2
BUTYL BENZYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
BENZ(A)ANTHRACENE	ug/l		<10	<10	<10	<10	<10	<0 1	<0 1	<0 1	<0 1
CHRYSENE	ug/l		<10	<10	<10	<10	<10	<1	<1	<1	<1
3,3'-DICHLOROBENZIDINE	ug/l		<20	<20	<20	<20	<20				
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l		<10	<10	16	<10	<10				
DI-N-OCTYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
BENZO(B)FLUORANTHENE	ug/l		<10	<10	<10	<10	<10	<0 2	<0 2	<0 2	<0 2
BENZO(K)FLUORANTHENE	ug/l		<10	<10	<10	<10	<10	<0 1	<0 1	<0 1	<0 1
BENZO(A)PYRENE	ug/l		<10	<10	<10	<10	<10	<0 2	<0 2	<0 2	<0.2
INDENO(1,2,3-C,D)PYRENE	ug/l		<10	<10	<10	<10	<10	<0 5	<0 5	<0 5	<0 5
DIBENZ(A,H)ANTHRACENE	ug/l		<10	<10	<10	<10	<10	<0 2	<0 2	<0 2	<0 2
BENZO(G,H,I)PERYLENE	ug/l		<10	<10	<10	<10	<10	<0 5	<0 5	<0 5	<0 5
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l										
VOLATILE ORGANICS:											
CHLOROMETHANE	ug/l		<10	<10	<10	<10	<10				
BROMOMETHANE	ug/l		<10	<10	<10	<10	<10				
VINYL CHLORIDE	ug/l		<10	<10	<10	<10	<10				
CHLOROETHANE	ug/l		<10	<10	<10	<10	<10				
METHYLENE CHLORIDE	ug/l		<5	<5	<5	<5	<5				
ACROLEIN	ug/l		<100	<100	<100	<100	<100				
ACRYLONITRILE	ug/l		<100	<100	<100	<100	<100				
TRANS-1,3-DICHLOROPROPENE	ug/l		<5	<5	<5	<5	<5				
CIS-1,3-DICHLOROPROPENE	ug/l		<5	<5	<5	<5	<5				
TRICHLOROFLUOROMETHANE	ug/l		<5	<5	<5	<5	<5				
1,1-DICHLOROETHENE	ug/l		<5	<5	<5	<5	<5				
1,1-DICHLOROETHANE	ug/l		<5	<5	<5	<5	<5				
1,2-DICHLOROETHENE (TOTAL)	ug/l		<5	<5	<5	<5	<5				
CHLOROFORM	ug/l		<5	<5	<5	<5	<5				
1,2-DICHLOROETHANE	ug/l		<5	<5	<5	<5	<5				
1,1,1-TRICHLOROETHANE	ug/l		<5	<5	<5	<5	<5				
CARBON TETRACHLORIDE	ug/l		<5	<5	<5	<5	<5				
BROMODICHLOROMETHANE	ug/l		<5	<5	<5	<5	<5				
1,2-DICHLOROPROPANE	ug/l		<5	<5	<5	<5	<5				
TRICHLOROETHENE	ug/l		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5
BENZENE	ug/l		<5	<5	<5	<5	<5	<1	<1	<1	<1
DIBROMOCHLOROMETHANE	ug/l		<5	<5	<5	<5	<5				
1,1,2-TRICHLOROETHANE	ug/l		<5	<5	<5	<5	<5				
2-CHLOROETHYLVINYL ETHER	ug/l		<10	<10	<10	<10	<10				
BROMOFORM	ug/l		<5	<5	<5	<5	<5				
TETRACHLOROETHENE	ug/l		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-TETRACHLOROETHANE	ug/l		<5	<5	<5	<5	<5				
TOLUENE	ug/l		<5	<5	<5	<5	<5	<1	<1	<1	<1
CHLOROBENZENE	ug/l		<5	<5	<5	<5	<5				
ETHYLBENZENE	ug/l		<5	<5	<5	<5	<5	<1	<1	<1	<1

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-3

PARAMETER	UNITS	3/15/95	5/24/95	8/9/95	12/28/95	3/13/96	5/15/96	8/14/96	12/4/96	2/11/97	5/28/97
ALKALINITY, TOTAL	mg/l										
AMMONIA NITROGEN	mg/l		5				4				4 7
TOTAL COLIFORM	cfu/100 m										
BIOCHEMICAL OXYGEN DEMAND	mg/l										
TOTAL ORGANIC CARBON	mg/l	8	10	11	9	12	12	15	12.1	11 2	10 9
CHEMICAL OXYGEN DEMAND	mg/l					<50					
CHLORIDE	mg/l		56		<1		17		30 9		24 8
CYANIDE, TOTAL	mg/l										
FLUORIDE	mg/l										
ALUMINUM, TOTAL	mg/l										
ARSENIC, TOTAL	mg/l										
BARIUM, TOTAL	mg/l										
CADMIUM, TOTAL	mg/l										
CHROMIUM, TOTAL	mg/l										
IRON, TOTAL	mg/l										
LEAD, TOTAL	mg/l										
MANGANESE, TOTAL	mg/l										
MERCURY, TOTAL	mg/l										
SELENIUM, TOTAL	mg/l										
SILVER, TOTAL	mg/l										
SODIUM, TOTAL	mg/l		100		71 4		57		82.1		63 3
NITRATE NITROGEN	mg/l										
TOTAL ORGANIC HALOGENS	ug/l	25	23	19	16	25	20	32	15 1	20 6	19 5
PHENOLICS	mg/l				<0 005						
pH	standard	6.91	6.69	6 78	6 74	6 88	7 00	6 86	6.91	6 74	6 78
TOTAL DISSOLVED SOLIDS	mg/l										
SPECIFIC CONDUCTANCE	umhos/c	3480	3760		3360	3640	3360	3380	3200	3630	3470
SULFATE	mg/l		2200	4000	1600		1100		2330		1920
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l		<10				<9		<10		<9
2-CHLOROPHENOL	ug/l		<10				<9		<10		<9
2-NITROPHENOL	ug/l		<10				<9		<10		<9
2,4-DIMETHYLPHENOL	ug/l		<10				<9		<10		<9
2,4-DICHLOROPHENOL	ug/l		<10				<9		<10		<9
4-CHLORO-3-METHYLPHENOL	ug/l		<10				<9		<10		<9
2,4,6-TRICHLOROPHENOL	ug/l		<10				<9		<10		<9
2,4-DINITROPHENOL	ug/l		<24				<24		<24		<24
4-NITROPHENOL	ug/l		<24				<24		<24		<24
2-METHYL-4,6-DINITROPHENOL	ug/l		<24				<24		<24		<24
PENTACHLOROPHENOL	ug/l		<24				<24		<24		<24
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l										
BIS(2-CHLOROETHYL)ETHER	ug/l										
1,3-DICHLOROBENZENE	ug/l										
1,4-DICHLOROBENZENE	ug/l										
1,2-DICHLOROBENZENE	ug/l										
BIS(2-CHLOROISOPROPYL)ETHER	ug/l										
HEXACHLOROETHANE	ug/l										
N-NITROSODI-N-PROPYLAMINE	ug/l										
NITROBENZENE	ug/l										
ISOPHORONE	ug/l										
BIS(2-CHLOROETHOXY)METHANE	ug/l										
1,2,4-TRICHLOROBENZENE	ug/l										
NAPHTHALENE	ug/l	<10	<10	<10	<10	<13	<10	<10	<10	<13	<10
HEXACHLOROBUTADIENE	ug/l										
HEXCHLOROCYCLOPENTADIENE	ug/l										
2-CHLORONAPHTHALENE	ug/l										
ACENAPHTHYLENE	ug/l	<20	<20	<20	<20	<25	<20	<20	<20	<25	<20
DIMETHYL PHTHALATE	ug/l										
2,6-DINITROTOLUENE	ug/l										
ACENAPHTHENE	ug/l	<20	<20	<20	<20	<25	<20	<20	<20	<25	<20
2,4-DINITROTOLUENE	ug/l										
FLUORENE	ug/l	<2	<2	<2	<2	<2 5	<2	<2	<2	<2.5	<2
DIETHYL PHTHALATE	ug/l										
4-CHLOROPHENYL PHENYL ETHER	ug/l										
N-NITROSODIPHENYLAMINE	ug/l										
1,2-DIPHENYLHYDRAZINE	ug/l										

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-3

PARAMETER	UNITS	3/15/95	5/24/95	8/9/95	12/28/95	3/13/96	5/15/96	8/14/96	12/4/96	2/11/97	5/28/97
4-BROMOPHENYL PHENYL ETHER	ug/l										
HEXACHLOROBENZENE	ug/l										
PHENANTHRENE	ug/l	<2	<2	<2	<2	<2 5	<2	<2	<2	<2 5	<2
ANTHRACENE	ug/l	<1	<1	<1	<1	<1 3	<1	<1	<1	<1 3	<1
DI-N-BUTYL PHTHALATE	ug/l										
FLUORANTHENE	ug/l	<0.5	<0.5	<0 5	<0 5	<0 63	<0 5	<0 5	<0 5	<0 63	<0 5
BENZIDINE	ug/l										
PYRENE	ug/l	<2	<2	<2	<2	<2 5	<2	<2	<2	<2 5	<2
BUTYL BENZYL PHTHALATE	ug/l										
BENZ(A)ANTHRACENE	ug/l	<0.1	<0.1	<0 1	<0 1	<0 13	<0 1	<0 1	<0 1	<0 13	<0 1
CHRYSENE	ug/l	<1	<1	<1	<1	<1 3	<1	<1	<1	<1 3	<1
3,3'-DICHLOROBENZIDINE	ug/l										
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l										
DI-N-OCTYL PHTHALATE	ug/l										
BENZO(B)FLUORANTHENE	ug/l	<0.2	<0.2	<0 2	<0 2	<0 25	<0 2	<0 2	<0 2	<0 25	<0 2
BENZO(K)FLUORANTHENE	ug/l	<0.1	<0.1	<0 1	<0 1	<0 13	<0 1	<0 1	<0 1	<0 13	<0 1
BENZO(A)PYRENE	ug/l	<0.2	<0.2	<0 2	<0 2	<0 25	<0 2	<0 2	<0 2	<0 25	<0 2
INDENO(1,2,3-C,D)PYRENE	ug/l	<0.5	<0.5	<0 5	<0 5	<0 63	<0 5	<0 5	<0 5	<0 63	<0 5
DIBENZ(A,H)ANTHRACENE	ug/l	<0.2	<0.2	<0 2	<0 2	<0 25	<0 2	<0 2	<0 2	<0 25	<0 2
BENZO(G,H,I)PERYLENE	ug/l	<0.5	<0.5	<0 5	<0 5	<0 63	<0 5	<0 5	<0.5	<0 63	<0 5
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l										
VOLATILE ORGANICS:											
CHLOROMETHANE	ug/l										
BROMOMETHANE	ug/l										
VINYL CHLORIDE	ug/l										
CHLOROETHANE	ug/l										
METHYLENE CHLORIDE	ug/l										
ACROLEIN	ug/l										
ACRYLONITRILE	ug/l										
TRANS-1,3-DICHLOROPROPENE	ug/l										
CIS-1,3-DICHLOROPROPENE	ug/l										
TRICHLOROFLUOROMETHANE	ug/l										
1,1-DICHLOROETHENE	ug/l										
1,1-DICHLOROETHANE	ug/l										
1,2-DICHLOROETHENE (TOTAL)	ug/l										
CHLOROFORM	ug/l										
1,2-DICHLOROETHANE	ug/l										
1,1,1-TRICHLOROETHANE	ug/l										
CARBON TETRACHLORIDE	ug/l										
BROMODICHLOROMETHANE	ug/l										
1,2-DICHLOROPROPANE	ug/l										
TRICHLOROETHENE	ug/l	<0.5	<0.5	<0.5	<0 5	<0 5	<0 5	<0 5	<1	<0.5	<0:5
BENZENE	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
DIBROMOCHLOROMETHANE	ug/l										
1,1,2-TRICHLOROETHANE	ug/l										
2-CHLOROETHYLVINYL ETHER	ug/l										
BROMOFORM	ug/l										
TETRACHLOROETHENE	ug/l	<0.5	<0.5	<0.5	<0.5	<0 5	<0.5	<0.5	<1	<0.5	<0.5
1,1,2,2-TETRACHLOROETHANE	ug/l										
TOLUENE	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
CHLOROBENZENE	ug/l										
ETHYLBENZENE	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-3

PARAMETER	UNITS	8/14/97	11/19/97
ALKALINITY, TOTAL	mg/l		
AMMONIA NITROGEN	mg/l		
TOTAL COLIFORM	cfu/100 m		
BIOCHEMICAL OXYGEN DEMAND	mg/l		
TOTAL ORGANIC CARBON	mg/l	11.1	8.5
CHEMICAL OXYGEN DEMAND	mg/l		
CHLORIDE	mg/l		17.8
CYANIDE, TOTAL	mg/l		
FLUORIDE	mg/l		
ALUMINUM, TOTAL	mg/l		
ARSENIC, TOTAL	mg/l		
BARIUM, TOTAL	mg/l		
CADMIUM, TOTAL	mg/l		
CHROMIUM, TOTAL	mg/l		
IRON, TOTAL	mg/l		
LEAD, TOTAL	mg/l		
MANGANESE, TOTAL	mg/l		
MERCURY, TOTAL	mg/l		
SELENIUM, TOTAL	mg/l		
SILVER, TOTAL	mg/l		
SODIUM, TOTAL	mg/l		60.8
NITRATE NITROGEN	mg/l		
TOTAL ORGANIC HALOGENS	ug/l	23.5	10
PHENOLICS	mg/l		
pH	standard	6.84	6.75
TOTAL DISSOLVED SOLIDS	mg/l		
SPECIFIC CONDUCTANCE	umhos/c	3710	3040
SULFATE	mg/l		1200
HERBICIDES:			
2,4-D	ug/l		
2,4,5-TP	ug/l		
PESTICIDES:			
ENDRIN	ug/l		
LINDANE	ug/l		
METHOXYCHLOR	ug/l		
TOXAPHENE	ug/l		
ACID EXTRACTABLES:			
PHENOL	ug/l		<9
2-CHLOROPHENOL	ug/l		<9
2-NITROPHENOL	ug/l		<9
2,4-DIMETHYLPHENOL	ug/l		<9
2,4-DICHLOROPHENOL	ug/l		<9
4-CHLORO-3-METHYLPHENOL	ug/l		<9
2,4,6-TRICHLOROPHENOL	ug/l		<9
2,4-DINITROPHENOL	ug/l		<24
4-NITROPHENOL	ug/l		<24
2-METHYL-4,6-DINITROPHENOL	ug/l		<24
PENTACHLOROPHENOL	ug/l		<24
BASE/NEUTRAL EXTRACTABLES:			
N-NITROSODIMETHYLAMINE	ug/l		
BIS(2-CHLOROETHYL)ETHER	ug/l		
1,3-DICHLOROBENZENE	ug/l		
1,4-DICHLOROBENZENE	ug/l		
1,2-DICHLOROBENZENE	ug/l		
BIS(2-CHLOROISOPROPYL)ETHER	ug/l		
HEXACHLOROETHANE	ug/l		
N-NITROSODI-N-PROPYLAMINE	ug/l		
NITROBENZENE	ug/l		
ISOPHORONE	ug/l		
BIS(2-CHLOROETHOXY)METHANE	ug/l		
1,2,4-TRICHLOROBENZENE	ug/l		
NAPHTHALENE	ug/l	<10	<2.5
HEXACHLOROBUTADIENE	ug/l		
HEXCHLOROCYCLOPENTADIENE	ug/l		
2-CHLORONAPHTHALENE	ug/l		
ACENAPHTHYLENE	ug/l	<20	<5
DIMETHYL PHTHALATE	ug/l		
2,6-DINITROTOLUENE	ug/l		
ACENAPHTHENE	ug/l	<20	<5
2,4-DINITROTOLUENE	ug/l		
FLUORENE	ug/l	<2	<0.5
DIETHYL PHTHALATE	ug/l		
4-CHLOROPHENYL PHENYL ETHER	ug/l		
N-NITROSODIPHENYLAMINE	ug/l		
1,2-DIPHENYLHYDRAZINE	ug/l		

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-3

PARAMETER	UNITS	8/14/97	11/19/97
4-BROMOPHENYL PHENYL ETHER	ug/l		
HEXACHLOROBENZENE	ug/l		
PHENANTHRENE	ug/l	<2	<0.5
ANTHRACENE	ug/l	<1	<0.25
DI-N-BUTYL PHTHALATE	ug/l		
FLUORANTHENE	ug/l	<0.5	<0.13
BENZIDINE	ug/l		
PYRENE	ug/l	<2	<0.5
BUTYL BENZYL PHTHALATE	ug/l		
BENZ(A)ANTHRACENE	ug/l	<0.1	0.026
CHRYSENE	ug/l	<1	<0.25
3 3'-DICHLOROBENZIDINE	ug/l		
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l		
DI-N-OCTYL PHTHALATE	ug/l		
BENZO(B)FLUORANTHENE	ug/l	<0.2	<0.050
BENZO(K)FLUORANTHENE	ug/l	<0.1	<0.025
BENZO(A)PYRENE	ug/l	<0.2	0.063
INDENO(1.2.3-C,D)PYRENE	ug/l	<0.5	<0.13
DIBENZ(A,H)ANTHRACENE	ug/l	<0.2	<0 050
BENZO(G,H,I)PERYLENE	ug/l	<0.5	<0.13
2.3.7,8-TETRACHLORODIBENZO-P-DIO	ug/l		
VOLATILE ORGANICS			
CHLOROMETHANE	ug/l		
BROMOMETHANE	ug/l		
VINYL CHLORIDE	ug/l		
CHLOROETHANE	ug/l		
METHYLENE CHLORIDE	ug/l		
ACROLEIN	ug/l		
ACRYLONITRILE	ug/l		
TRANS-1,3-DICHLOROPROPENE	ug/l		
CIS-1,3-DICHLOROPROPENE	ug/l		
TRICHLOROFLUOROMETHANE	ug/l		
1,1-DICHLOROETHENE	ug/l		
1,1-DICHLOROETHANE	ug/l		
1,2-DICHLOROETHENE (TOTAL)	ug/l		
CHLOROFORM	ug/l		
1,2-DICHLOROETHANE	ug/l		
1,1,1-TRICHLOROETHANE	ug/l		
CARBON TETRACHLORIDE	ug/l		
BROMODICHLOROMETHANE	ug/l		
1,2-DICHLOROPROPANE	ug/l		
TRICHLOROETHENE	ug/l	<1	<0.5
BENZENE	ug/l	<1	<1
DIBROMOCHLOROMETHANE	ug/l		
1,1,2-TRICHLOROETHANE	ug/l		
2-CHLOROETHYLVINYL ETHER	ug/l		
BROMOFORM	ug/l		
TETRACHLOROETHENE	ug/l	<1	<0.5
1 1,2,2-TETRACHLOROETHANE	ug/l		
TOLUENE	ug/l	<1	<1
CHLOROBENZENE	ug/l		
ETHYLBENZENE	ug/l	<1	<1

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-4
MONITROING WELL W-4R (REPLACING W-4 AS OF 4-18-89)

PARAMETER	UNITS	4/10/85	6/26/85	10/15/85	1/23/86	4/24/86	7/29/86	10/10/86	1/8/87	4/16/87	7/17/87
ALKALINITY, TOTAL	mg/l	89.8	314.0	17.9	31.1	19 8	115 0	205 0	<10	19 2	<10 0
AMMONIA NITROGEN	mg/l	20.7	60.2	0.3	0 7	0 1	6 8	24 1	0 1	0 1	0 2
TOTAL COLIFORM	cfu/100 m	2000.00	8.00	>2400	2 00		<2	13 00	<1	<2	<1
BIOCHEMICAL OXYGEN DEMAND	mg/l	37.00		1 0	3 95	2 40	12 00	69 00	22.00	2 60	1 40
TOTAL ORGANIC CARBON	mg/l	130.00	3.16	2.78	2.55	<0 5	6 30	15 70	2 50	1 60	2.25
CHEMICAL OXYGEN DEMAND	mg/l	44.00	269.00	<7	43 80	11 90	50 00	155 00	<10	56 10	<10
CHLORIDE	mg/l	22.70	152.00	7.30	5 50	10 0			<10		
CYANIDE, TOTAL	mg/l	3.60	16.80	0.00	0 00	0 00	3 68	16 80	0 01	<0 005	<0 005
FLUORIDE	mg/l	0.18	0.08	0.06	0 17	0.12	0 38	0 54	0 12	0 14	0.19
ALUMINUM, TOTAL	mg/l	3.90	<0.5								
ARSENIC, TOTAL	mg/l	0.01	0.01								
BARIUM, TOTAL	mg/l	<0.5	0.50								
CADMIUM, TOTAL	mg/l										
CHROMIUM, TOTAL	mg/l	0.020	0.01	<0.001	<0 001	<0 001	<0 001	0 00	<0 001	<0 001	<0 001
IRON, TOTAL	mg/l	17.10	62.00	0.20	<0.1	<0.10	15 10	177 00	21.50	<0 1	<0 1
LEAD, TOTAL	mg/l	0.01	0.00								
MANGANESE, TOTAL	mg/l	2.30	4.70	0.31	0 59	0 24	2 40	2 90	0 40	0 30	0 34
MERCURY, TOTAL	mg/l	0.00	<0.005								
SELENIUM, TOTAL	mg/l	0.01	0.00								
SILVER, TOTAL	mg/l	<0.001	<0.001								
SODIUM, TOTAL	mg/l	30.80	184.00	2.70	1.90	4 15	9 90	28 50	9 10	3 40	3.40
NITRATE NITROGEN	mg/l	<0.15	<0.005	7.0	1 25	4 52	0.11	<0 26	2.83	2.0	3 09
TOTAL ORGANIC HALOGENS	ug/l	82.00	18.00	<5	6.00		<5	<5	12 00	<5	30 00
PHENOLICS	mg/l	<0.005	0.01	<0 005	<0.005	0 01	<0 005	<0 005	<0 005	<0.005	<0 005
pH	standard	6.99	6.57	5.89	6 50	6 34	6 49	6 67	6.25	6 05	6 02
TOTAL DISSOLVED SOLIDS	mg/l	108.00	1320.00	218 00	163 00	230 00	210.00	1405 00	206.00	161 00	141 75
SPECIFIC CONDUCTANCE	umhos/c	461.00	1777.00	186.00	158.00		369 00	588.00	194.00	182.00	148.50
SULFATE	mg/l	111.00	511.00	32.00	30.00	51 90	33.10	80 00	662.00	43.60	44.00
HERBICIDES:											
2,4-D	ug/l	<0.25	<1.0								
2,4,5-TP	ug/l	<0.25	<1.0								
PESTICIDES:											
ENDRIN	ug/l	<0.50	<0.022								
LINDANE	ug/l	<0.50	<0.003								
METHOXYCHLOR	ug/l	<2.5	<0.049								
TOXAPHENE	ug/l	<25	<0.098								
ACID EXTRACTABLES:											
PHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<12	<10	<10
2-CHLOROPHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<12	<10	<10
2-NITROPHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<12	<10	<10
2,4-DIMETHYLPHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<12	<10	<10
2,4-DICHLOROPHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<12	<10	<10
4-CHLORO-3-METHYLPHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<12	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<12	<10	<10
2,4-DINITROPHENOL	ug/l	<20	<20	<20	<20	<50	<50	<50	<60	<50	<50
4-NITROPHENOL	ug/l	<40	<40	<40	<40	<50	<50	<50	<60	<50	<50
2-METHYL-4,6-DINITROPHENOL	ug/l	<20	<20	<20	<20	<50	<50	<50	<60	<50	<50
PENTACHLOROPHENOL	ug/l	<25	<25	<25	<25	<50	<50	<50	<60	<50	<50
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l	<10	<10	<10	<10	<10					
BIS(2-CHLOROETHYL)ETHER	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
1,3-DICHLOROBENZENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
1,4-DICHLOROBENZENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
1,2-DICHLOROBENZENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
HEXACHLOROETHANE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
N-NITROSODI-N-PROPYLAMINE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
NITROBENZENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
ISOPHORONE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
BIS(2-CHLOROETHOXY)METHANE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
1,2,4-TRICHLOROBENZENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
NAPHTHALENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
HEXACHLOROBUTADIENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
HEXCHLOROCYCLOPENTADIENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
2-CHLORONAPHTHALENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
ACENAPHTHYLENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
DIMETHYL PHTHALATE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
2,6-DINITROTOLUENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<12	<10	<10
ACENAPHTHENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
2,4-DINITROTOLUENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<12	<10	<10
FLUORENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
DIETHYL PHTHALATE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
4-CHLOROPHENYL PHENYL ETHER	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
N-NITROSODIPHENYLAMINE	ug/l	<10	<10	<10	<10	<10	<10	<10	<12	<10	<10
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<10	<10	<10		<10	<12	<10	<10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-4
MONITROING WELL W-4R (REPLACING W-4 AS OF 4-18-89)

PARAMETER	UNITS	4/10/85	6/26/85	10/15/85	1/23/86	4/24/86	7/29/86	10/10/86	1/8/87	4/16/87	7/17/87
4-BROMOPHENYL PHENYL ETHER	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
HEXACHLOROBENZENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
PHENANTHRENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
ANTHRACENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
DI-N-BUTYL PHTHALATE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
FLUORANTHENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
BENZIDINE	ug/l	<100	<100	<100	<100	<20					
PYRENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
BUTYL BENZYL PHTHALATE	ug/l	<5	<5	<5	<5	<10	<10	<10	<12	<10	<10
BENZ(A)ANTHRACENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<12	<10	<10
CHRYSENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<12	<10	<10
3,3'-DICHLOROBENZIDINE	ug/l	<10	<10	<10	<10	<20	<20	<20	<24	<20	<20
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	8.50	5.80	<5	<5	<10	<10	<10	<12	<10	<10
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<10	<10	<10	<10	<10	<12	<10	<10
BENZO(B)FLUORANTHENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<12	<10	<10
BENZO(K)FLUORANTHENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<12	<10	<10
BENZO(A)PYRENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<12	<10	<10
INDENO(1,2,3-C,D)PYRENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<12	<10	<10
DIBENZ(A,H)ANTHRACENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<12	<10	<10
BENZO(G,H,I)PERYLENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<12	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l	<10	<10	<10	<10	<10		<10	<12	<10	<10
VOLATILE ORGANICS:											
CHLOROMETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<10	<10	<2.0	<2.0
BROMOMETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<10	<10	<2.0	<2.0
VINYL CHLORIDE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<10	<10	<2.0	<2.0
CHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<10	<10	<2.0	<2.0
METHYLENE CHLORIDE	ug/l	3.40	<1.0	<1.0	<1.0	<1.0	<5	<5	<5	32.00	<1.0
ACROLEIN	ug/l	<100	<100	<100	<100	<100	<80				
ACRYLONITRILE	ug/l	<25	<25	<25	<25	<25	<80				
TRANS-1,3-DICHLOROPROPENE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5	<1.0	<1.0
CIS-1,3-DICHLOROPROPENE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5	<1.0	<1.0
TRICHLOROFLUOROMETHANE	ug/l							<5	<5		
1,1-DICHLOROETHENE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5	<1.0	<1.0
1,1-DICHLOROETHANE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5	<1.0	<1.0
1,2-DICHLOROETHENE (TOTAL)	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5	<1.0	<1.0
CHLOROFORM	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5	<1.0	<1.0
1,2-DICHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5	<1.0	<1.0
1,1,1-TRICHLOROETHANE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5	<1.0	<1.0
CARBON TETRACHLORIDE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5	<1.0	<1.0
BROMODICHLOROMETHANE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5	<1.0	<1.0
1,2-DICHLOROPROPANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5	<1.0	<1.0
TRICHLOROETHENE	ug/l	<0.2	<0.2	<0.2	<0.2	<0.2		<5	<5	<1.0	<1.0
BENZENE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5	<1.0	<1.0
DIBROMOCHLOROMETHANE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5	<1.0	<1.0
1,1,2-TRICHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5	<1.0	<1.0
2-CHLOROETHYLVINYL ETHER	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<10	<10	<1.0	<2.0
BROMOFORM	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5	<1.0	<1.0
TETRACHLOROETHENE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5	<1.0	<1.0
1,1,2,2-TETRACHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5	<1.0	<1.0
TOLUENE	ug/l	<0.2	<0.2	<0.2	<0.2	<0.2	<5	<5	<5	<1.0	<1.0
CHLOROBENZENE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5	<1.0	<1.0
ETHYLBENZENE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5	<1.0	<1.0

NOTES.

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-DICHLOROPROPENE COULD NOT BE RESOLVED. VALUES REPORTED INDICATE THE SUM OF BOTH COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/86.

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD NOT BE RESOLVED. VALUES REPORTED INDICATE THE SUM OF BOTH COMPOUNDS. 10/15/85.

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QUADRUPLICATE SAMPLES.

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-4
MONITROING WELL W-4R (REPLACING W-4 AS OF 4-18-89)

PARAMETER	UNITS	10/28/87	2/11/88	3/8/88	5/19/88	1/18/89	4/18/89	8/1/89	10/30/89	1/11/90	4/5/90
ALKALINITY, TOTAL	mg/l	68.9		22 9	18 8	52 0	755 0	532 0	677 0	694 0	659 0
AMMONIA NITROGEN	mg/l	22.9		0 2		0 5	2 1	95 0	87 6	103 0	103 0
TOTAL COLIFORM	cfu/100 m	>800		>8000		(3) <10	>16	>16	>16	>16	>16
BIOCHEMICAL OXYGEN DEMAND	mg/l	32 00		4 40	6 50	<12	174 00	74 00	90 00	173 00	193 00
TOTAL ORGANIC CARBON	mg/l	4 30		4 09	0 58	2 90	56 00	25 00	34 00	(4) 51	(4) 55
CHEMICAL OXYGEN DEMAND	mg/l	49 00		17 70		200 00	300 00	150 00	190 00	280 00	310 00
CHLORIDE	mg/l	14 50		12 60	<10	6 00	19 00	7 00	11 00	12 00	13 00
CYANIDE, TOTAL	mg/l	4 40		<0 009		<0 01	83 0	<0 005	0 10	0 20	0 10
FLUORIDE	mg/l	0 22		0 20	0 26	0 20	0 20	0 20	0 20	0 10	0 10
ALUMINUM, TOTAL	mg/l					<0 01	<0 01	0 01	0 01	<0 01	<0 01
ARSENIC, TOTAL	mg/l					<0 1	0 10	0 10	<0 1	0 20	0 10
BARIUM, TOTAL	mg/l					<0 005	<0 005	<0 005		<0 005	<0 005
CADMIUM, TOTAL	mg/l			0 01	<0 002	<0 05	<0 05	<0 05	<0 05	<0 05	<0 05,
CHROMIUM, TOTAL	mg/l	0.00		3 30	0 20						
IRON, TOTAL	mg/l	1.0				<0 05	<0 05	<0 05	<0 05	<0 05	<0 05
LEAD, TOTAL	mg/l			1 0	0 60						
MANGANESE, TOTAL	mg/l	0.90				<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005
MERCURY, TOTAL	mg/l					<0 005	<0 005	<0 005	<0 005	<0 005	<0 005
SELENIUM, TOTAL	mg/l					<0 01	<0 01	<0 01	<0 01	<0 01	<0 01
SILVER, TOTAL	mg/l			7 30	4 0			93 40	131 00	178 00	210 00
SODIUM, TOTAL	mg/l	29 60		2 50	<0 21	5 0	<0 5	<0 5	<0 5	<0 5	<0 5
NITRATE NITROGEN	mg/l	<0.21		120 00		<5	13 00	8 00	9 00	(4) 10	(4) 11
TOTAL ORGANIC HALOGENS	ug/l	<5		<0 005							
PHENOLICS	mg/l	<0.005		6 41	6 51	6 35	7 01	6 87	6.85	(4) 6 81	(4) 6 82
pH	standard	6.10		146 00	184 00	180 00	1210 00	540 00	620 00	840 00	1100 00
TOTAL DISSOLVED SOLIDS	mg/l	252.00		216 00	187 00	240 00	2440 00	1170 00	1520.00	(4) 2010	(4) 2250
SPECIFIC CONDUCTANCE	umhos/c	382.00		41 40	43 40	52 00	326 00	34 00	61.00	185.00	273.00
SULFATE	mg/l	104 00									
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l	<11		<10		<10	<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	<11		<10		<10	<10	<10	<10	<10	<10
2-NITROPHENOL	ug/l	<11		<10		<10	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	<11		<10		<10	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	<11		<10		<10	<10	<10	<10	<10	<10
4-CHLORO-3-METHYLPHENOL	ug/l	<11		<10		<10	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	<11		<10		<10	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	<54		<50		<25	<25	<25	<25	<25	<25
4-NITROPHENOL	ug/l	<54		<50		<25	<25	<25	<25	<25	<25
2-METHYL-4,6-DINITROPHENOL	ug/l	<54		<50		<25	<25	<25	<25	<25	<25
PENTACHLOROPHENOL	ug/l	<54		<50		<25	<25	<25	<25	<25	<25
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
BIS(2-CHLOROETHYL)ETHER	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
1,3-DICHLOROBENZENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
1,4-DICHLOROBENZENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
1,2-DICHLOROBENZENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
HEXACHLOROETHANE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
N-NITROSODI-N-PROPYLAMINE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
NITROBENZENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
ISOPHORONE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
BIS(2-CHLOROETHOXY)METHANE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
1,2,4-TRICHLOROBENZENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
NAPHTHALENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
HEXACHLOROBUTADIENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
HEXCHLOROCYCLOPENTADIENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
2-CHLORONAPHTHALENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
ACENAPHTHYLENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
DIMETHYL PHTHALATE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
2,6-DINITROTOLUENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
ACENAPHTHENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
2,4-DINITROTOLUENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
FLUORENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
DIETHYL PHTHALATE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
4-CHLOROPHENYL PHENYL ETHER	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
N-NITROSODIPHENYLAMINE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
1,2-DIPHENYLHYDRAZINE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-4
MONITROING WELL W-4R (REPLACING W-4 AS OF 4-18-89)

PARAMETER	UNITS	10/28/87	2/11/88	3/8/88	5/19/88	1/18/89	4/18/89	8/1/89	10/30/89	1/11/90	4/5/90
4-BROMOPHENYL PHENYL ETHER	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
HEXACHLOROBENZENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
PHENANTHRENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
ANTHRACENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
DI-N-BUTYL PHTHALATE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
FLUORANTHENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
BENZIDINE	ug/l	<21		<22	<20	<25	<25	<25	<25	<25	<25
PYRENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
BUTYL BENZYL PHTHALATE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
BENZ(A)ANTHRACENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
CHRYSENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
3,3'-DICHLOROBENZIDINE	ug/l	<21		<22	<20	<25	<25	<25	<25	<25	<25
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<11		17 00	<10	<10	20 00	<10	<10	<10	<10
DI-N-OCTYL PHTHALATE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
BENZO(B)FLUORANTHENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
BENZO(K)FLUORANTHENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
BENZO(A)PYRENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
INDENO(1,2,3-C,D)PYRENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
DIBENZ(A,H)ANTHRACENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
BENZO(G,H,I)PERYLENE	ug/l	<11		<11	<10	<10	<10	<10	<10	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l	<11		<11	<10						
VOLATILE ORGANICS:											
CHLOROMETHANE	ug/l	<2		<2		<10	<10	<10	<10	<10	<10
BROMOMETHANE	ug/l	<2		<2		<10	<10	<10	<10	<10	<10
VINYL CHLORIDE	ug/l	<2		<2		<10	<10	<10	<10	<10	<10
CHLOROETHANE	ug/l	<2		<2		<10	<10	<10	<10	<10	<10
METHYLENE CHLORIDE	ug/l	<1		<1		<5	<5	<5	<5	<5	<5
ACROLEIN	ug/l					<100	<100	<100	<100	<100	<100
ACRYLONITRILE	ug/l					<100	<100	<100	<100	<100	<100
TRANS-1,3-DICHLOROPROPENE	ug/l	<1		<1		<5	<5	<5	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<1		<1		<5	<5	<5	<5	<5	<5
TRICHLOROFLUOROMETHANE	ug/l			<1		<5	<5	<5	<5	<5	<5
1,1-DICHLOROETHENE	ug/l	<1		<1		<5	<5	<5	<5	<5	<5
1,1-DICHLOROETHANE	ug/l	<1		<1		<5	<5	<5	<5	<5	<5
1,2-DICHLOROETHENE (TOTAL)	ug/l	<1		<1		<5	<5	<5	<5	<5	<5
CHLOROFORM	ug/l	<1		<1		<5	<5	<5	<5	<5	<5
1,2-DICHLOROETHANE	ug/l	<1		<1		<5	<5	<5	<5	<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<1		<1		<5	<5	<5	<5	<5	<5
CARBON TETRACHLORIDE	ug/l	<1		<1		<5	<5	<5	<5	<5	<5
BROMODICHLOROMETHANE	ug/l	<1		<1		<5	<5	<5	<5	<5	<5
1,2-DICHLOROPROPANE	ug/l	<1		<1		<5	<5	<5	<5	<5	<5
TRICHLOROETHENE	ug/l	<1		<1		<5	<5	<5	<5	<5	<5
BENZENE	ug/l	<1		<1		<5	<5	<5	<5	<5	<5
DIBROMOCHLOROMETHANE	ug/l	<1		<1		<5	<5	<5	<5	<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<1		<1		<5	<5	<5	<5	<5	<5
2-CHLOROETHYLVINYL ETHER	ug/l	<2		<2		<10	<10	<10	<10	<10	<10
BROMOFORM	ug/l	<1		<1		<5	<5	<5	<5	<5	<5
TETRACHLOROETHENE	ug/l	<1		<1		<5	<5	<5	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	ug/l	<1		<1		<5	<5	<5	<5	<5	<5
TOLUENE	ug/l	<1		<1		<5	<5	<5	<5	<5	<5
CHLOROBENZENE	ug/l	<1		<1		<5	<5	<5	<5	<5	<5
ETHYLBENZENE	ug/l	<1		<1		<5	<5	<5	<5	<5	<5

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-4
MONITROING WELL W-4R (REPLACING W-4 AS OF 4-18-89)

PARAMETER	UNITS	7/10/90	10/11/90	1/8/91	2/20/91	5/2/91	7/18/91	10/25/91	1/16/92	4/16/92	8/13/92
ALKALINITY, TOTAL	mg/l	685.0	780.0	753.0		794 0	752 0	819 0	931 0	1060 0	1070 0
AMMONIA NITROGEN	mg/l	257.0	134.0	154.0		131 0	129 0	154 0	202 0	268 0	250 0
TOTAL COLIFORM	cfu/100 m	>16	>16	>16		<2.2	<2 2	9 20	>16		2 20
BIOCHEMICAL OXYGEN DEMAND	mg/l		344	453		212	250	286	440 00	590 00	493 00
TOTAL ORGANIC CARBON	mg/l	(4) 58	(4) 87	(4) 110	(4) 95	70 00	77 00	90 00	130 00	160 00	130 00
CHEMICAL OXYGEN DEMAND	mg/l	350	520	580		400	480	420	710 00	880 00	900 00
CHLORIDE	mg/l	12	17	21		14	16	19	22.00	25 00	26 00
CYANIDE, TOTAL	mg/l	0.026	0.097	0.334		0 354	0 337	1 340	2.29	0 943	1 25
FLUORIDE	mg/l	0.1	0.1	0.1		0 2	0 1	<0.1	<0 1	<0 1	<0 1
ALUMINUM, TOTAL	mg/l										
ARSENIC, TOTAL	mg/l	0.01	0.02	0.02			0 02	0.14	0 01	0 01	
BARIUM, TOTAL	mg/l	0.1	<0.2	<0 2			0 3	0 6	0.20	0 30	
CADMIUM, TOTAL	mg/l	<0.005	<0.005	<0.005			<0 005	<0 005	<0 005	<0 005	
CHROMIUM, TOTAL	mg/l	<0.05	<0.05	<0 05			<0.05	0 56	<0 05	<0 05	
IRON, TOTAL	mg/l										
LEAD, TOTAL	mg/l	<0.05	<0.05	<0 05			<0 05	0 31	<0.05	<0 05	
MANGANESE, TOTAL	mg/l										
MERCURY, TOTAL	mg/l	<0.0005	<0.0005	<0 0005			<0 0005	0 00	<0 0005	0 0003	
SELENIUM, TOTAL	mg/l	<0.005	<0.005	<0.005			<0 005	<0.005	<0.005	<0 005	
SILVER, TOTAL	mg/l	<0.01	<0 01	<0 01			<0.01	<0 01	<0 01	<0 01	
SODIUM, TOTAL	mg/l	193	344	400			309	322	517 00	695 00	
NITRATE NITROGEN	mg/l	<0.5	<0 5	<0 5		<0 5	<0 5	<0 5	<0 5	<0 5	
TOTAL ORGANIC HALOGENS	ug/l	(4) 8	(4) 13	(4) 20	(4) 14	10 00	7 00	10.00	12.00	18 00	20 00
PHENOLICS	mg/l										
pH	standard	(4) 6.81	(4) 6 76	(4) 6 70	(4) 6.70	6 96	6 88	6 88	6.83	6 96	6 88
TOTAL DISSOLVED SOLIDS	mg/l	1140	1720	2310		1210	1360	1360	2310 00	3060 00	2700 00
SPECIFIC CONDUCTANCE	umhos/c	(4) 2080	(4) 3180	(4) 3900	(4) 3900	2510.00	2790 00	2790 00	4380 00	5540 00	5090 00
SULFATE	mg/l	184	577	1060		295	428	428	949.00	1500 00	1200 00
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2-NITROPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
4-CHLORO-3-METHYLPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	<25	<25	<25		<25	<25	<25	<25	<25	<25
4-NITROPHENOL	ug/l	<25	<25	<25		<25	<25	<25	<25	<25	<25
2-METHYL-4,6-DINITROPHENOL	ug/l	<25	<25	<25		<25	<25	<25	<25	<25	<25
PENTACHLOROPHENOL	ug/l	<25	<25	<25		<25	<25	<50	<50	<50	<50
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BIS(2-CHLOROETHYL)ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
1,3-DICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
1,4-DICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
1,2-DICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
HEXACHLOROETHANE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
N-NITROSODI-N-PROPYLAMINE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
NITROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
ISOPHORONE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BIS(2-CHLOROETHOXY)METHANE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
1,2,4-TRICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
NAPHTHALENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
HEXACHLOROBUTADIENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
HEXCHLOROCYCLOPENTADIENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2-CHLORONAPHTHALENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
ACENAPHTHYLENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
DIMETHYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2,6-DINITROTOLUENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
ACENAPHTHENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2,4-DINITROTOLUENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
FLUORENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
DIETHYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
4-CHLOROPHENYL PHENYL ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
N-NITROSODIPHENYLAMINE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-4
MONITROING WELL W-4R (REPLACING W-4 AS OF 4-18-89)

PARAMETER	UNITS	7/10/90	10/11/90	1/8/91	2/20/91	5/2/91	7/18/91	10/25/91	1/16/92	4/16/92	8/13/92
4-BROMOPHENYL PHENYL ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
HEXACHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
PHENANTHRENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
ANTHRACENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
DI-N-BUTYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
FLUORANTHENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BENZIDINE	ug/l	<25	<25	<25		<25	<25	<100	<10	<100	<10
PYRENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BUTYL BENZYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BENZ(A)ANTHRACENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
CHRYSENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
3,3'-DICHLOROBENZIDINE	ug/l	<25	<25	<25		<25	<25	<20	<20	<20	<20
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BENZO(B)FLUORANTHENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BENZO(K)FLUORANTHENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BENZO(A)PYRENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
INDENO(1,2,3-C,D)PYRENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
DIBENZ(A,H)ANTHRACENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BENZO(G,H,I)PERYLENE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l										
VOLATILE ORGANICS:											
CHLOROMETHANE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BROMOMETHANE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
VINYL CHLORIDE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
CHLOROETHANE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
METHYLENE CHLORIDE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
ACROLEIN	ug/l	<100	<100	<100		<100	<100	<100	<100	<100	<100
ACRYLONITRILE	ug/l	<100	<100	<100		<100	<100	<100	<100	<100	<100
TRANS-1,3-DICHLOROPROPENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
TRICHLOROFLUOROMETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1-DICHLOROETHENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1-DICHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,2-DICHLOROETHENE (TOTAL)	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
CHLOROFORM	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,2-DICHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
CARBON TETRACHLORIDE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
BROMODICHLOROMETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,2-DICHLOROPROPANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
TRICHLOROETHENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
BENZENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
DIBROMOCHLOROMETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
2-CHLOROETHYLVINYL ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BROMOFORM	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
TETRACHLOROETHENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
TOLUENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
CHLOROBENZENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
ETHYLBENZENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-4
MONITROING WELL W-4R (REPLACING W-4 AS OF 4-18-89)

PARAMETER	UNITS	8/31/92	11/5/92	1/28/93	5/5/93	7/27/93	11/17/93	3/15/94	5/10/94	9/8/94	11/17/94
ALKALINITY, TOTAL	mg/l		1070	831	705	734	740				
AMMONIA NITROGEN	mg/l		280	139	103	111	125	78	84	105	
TOTAL COLIFORM	cfu/100 m		2.20	<2.2	9.20	<2 2	<2 2				
BIOCHEMICAL OXYGEN DEMAND	mg/l		499.00	185.00	104	90	130				
TOTAL ORGANIC CARBON	mg/l		140.00	60.00	41	36	51	23	23	39	41
CHEMICAL OXYGEN DEMAND	mg/l		740.00	320.00	200	240	250				
CHLORIDE	mg/l		25.00	16.00	19	17	21	13			15
CYANIDE, TOTAL	mg/l		1.66	0.53	0 374	0 062	0 046				
FLUORIDE	mg/l		<0.1	0.20	0 2	0 20	0 20				
ALUMINUM, TOTAL	mg/l										
ARSENIC, TOTAL	mg/l	0.08	0.26	0.025	0 022	0 04	0 0616				
BARIUM, TOTAL	mg/l	0.60	0.70	0.20	0 10	0 17	0 34				
CADMIUM, TOTAL	mg/l	<0.01	<0.01	<0 01	<0 01	<0 01	0 011				
CHROMIUM, TOTAL	mg/l	0.41	0.36	0.07	<0 05	0 07	0 152				
IRON, TOTAL	mg/l										
LEAD, TOTAL	mg/l	0.20	0.20	<0.1	<0 1	<0 1	<0 10				
MANGANESE, TOTAL	mg/l										
MERCURY, TOTAL	mg/l	0.0007	0.0022	<0.0002	<0 0002	0 00025	0 00054				
SELENIUM, TOTAL	mg/l		<0.01	<0.002	<0 002	<0 01	0 0021				
SILVER, TOTAL	mg/l	0.05	0.18	<0.02	<0 02	<0 02	<0 020				
SODIUM, TOTAL	mg/l	535.00	598.00	272	178	172	210	110			171
NITRATE NITROGEN	mg/l		<0.5	<0 5	<0 5	<0 5	<0 5				
TOTAL ORGANIC HALOGENS	ug/l		31.00	14 00	15	10	15	13	6	12	12
PHENOLICS	mg/l										
pH	standard		7.08	6.99	6.94	7	7 01	7 07	6.92	6 95	7 06
TOTAL DISSOLVED SOLIDS	mg/l		2610.00	1090	780	710	860				
SPECIFIC CONDUCTANCE	umhos/c		5000.00	2550	1810	1840	2150	1310	1570	1790	1920
SULFATE	mg/l		1150.00	250	121	100	190	57			190
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l		<10	<10	<10	<10	<10	<10			<9
2-CHLOROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<9
2-NITROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<9
2,4-DIMETHYLPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<9
2,4-DICHLOROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<9
4-CHLORO-3-METHYLPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<9
2,4,6-TRICHLOROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<9
2,4-DINITROPHENOL	ug/l		<25	<25	<25	<25	<25	<25			<24
4-NITROPHENOL	ug/l		<25	<25	<25	<25	<25	<25			<24
2-METHYL-4,6-DINITROPHENOL	ug/l		<25	<25	<25	<25	<25	<25			<24
PENTACHLOROPHENOL	ug/l		<50	<50	<50	<25	<25	<25			<24
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l		<10	<10	<10	<10	<10				
BIS(2-CHLOROETHYL)ETHER	ug/l		<10	<10	<10	<10	<10				
1,3-DICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
1,4-DICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
1,2-DICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
BIS(2-CHLOROISOPROPYL)ETHER	ug/l		<10	<10	<10	<10	<10				
HEXACHLOROETHANE	ug/l		<10	<10	<10	<10	<10				
N-NITROSODI-N-PROPYLAMINE	ug/l		<10	<10	<10	<10	<10				
NITROBENZENE	ug/l		<10	<10	<10	<10	<10				
ISOPHORONE	ug/l		<10	<10	<10	<10	<10				
BIS(2-CHLOROETHOXY)METHANE	ug/l		<10	<10	<10	<10	<10				
1,2,4-TRICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
NAPHTHALENE	ug/l		<10	<10	<10	<10	<10	<10	<10	<10	<10
HEXACHLOROBUTADIENE	ug/l		<10	<10	<10	<10	<10				
HEXCHLOROCYCLOPENTADIENE	ug/l		<10	<10	<10	<10	<10				
2-CHLORONAPHTHALENE	ug/l		<10	<10	<10	<10	<10				
ACENAPHTHYLENE	ug/l		<10	<10	<10	<10	<10	<20	<20	<20	<20
DIMETHYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
2,6-DINITROTOLUENE	ug/l		<10	<10	<10	<10	<10				
ACENAPHTHENE	ug/l		<10	<10	<10	<10	<10	<20	<20	<20	<20
2,4-DINITROTOLUENE	ug/l		<10	<10	<10	<10	<10				
FLUORENE	ug/l		<10	<10	<10	<10	<10	<2	<2	<2	<2
DIETHYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
4-CHLOROPHENYL PHENYL ETHER	ug/l		<10	<10	<10	<10	<10				
N-NITROSODIPHENYLAMINE	ug/l		<10	<10	<10	<10	<10				
1,2-DIPHENYLHYDRAZINE	ug/l		<10	<10	<10	<10	<10				

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-4
MONITROING WELL W-4R (REPLACING W-4 AS OF 4-18-89)

PARAMETER	UNITS	8/31/92	11/5/92	1/28/93	5/5/93	7/27/93	11/17/93	3/15/94	5/10/94	9/8/94	11/17/94
4-BROMOPHENYL PHENYL ETHER	ug/l		<10	<10	<10	<10	<10				
HEXACHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
PHENANTHRENE	ug/l		<10	<10	<10	<10	<10	<2	<2	<2	<2
ANTHRACENE	ug/l		<10	<10	<10	<10	<10	<1	<1	<1	<1
DI-N-BUTYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
FLUORANTHENE	ug/l		<10	<10	<10	<10	<10	<0 5	<0 5	<0 5	<0 5
BENZIDINE	ug/l		<10	<10	<100	<100	<100				
PYRENE	ug/l		<10	<10	<100	<10	<10	<2	<2	<2	<2
BUTYL BENZYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
BENZ(A)ANTHRACENE	ug/l		<10	<10	<10	<10	<10	<0 1	<0 1	<0 1	<0 1
CHRYSENE	ug/l		<10	<10	<10	<10	<10	<1	<1	<1	<1
3,3'-DICHLOROBENZIDINE	ug/l		<20	<20	<20	<20	<20				
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l		11 00	<10	<10	<10	<10				
DI-N-OCTYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
BENZO(B)FLUORANTHENE	ug/l		<10	<10	<10	<10	<10	<0 2	<0 2	<0 2	<0 2
BENZO(K)FLUORANTHENE	ug/l		<10	<10	<10	<10	<10	<0 1	<0 1	<0 1	<0 1
BENZO(A)PYRENE	ug/l		<10	<10	<10	<10	<10	<0 2	<0 2	<0 2	<0 2
INDENO(1,2,3-C,D)PYRENE	ug/l		<10	<10	<10	<10	<10	<0 5	<0 5	<0 5	<0 5
DIBENZ(A,H)ANTHRACENE	ug/l		<10	<10	<10	<10	<10	<0 2	<0 2	<0 2	<0 2
BENZO(G,H,I)PERYLENE	ug/l		<10	<10	<10	<10	<10	<0 5	<0 5	<0 5	<0 5
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l										
VOLATILE ORGANICS:											
CHLOROMETHANE	ug/l		<10	<10	<10	<10	<10				
BROMOMETHANE	ug/l		<10	<10	<10	<10	<10				
VINYL CHLORIDE	ug/l		<10	<10	<10	<10	<10				
CHLOROETHANE	ug/l		<10	<10	<10	<10	<10				
METHYLENE CHLORIDE	ug/l		<5	<5	<5	<5	<5				
ACROLEIN	ug/l		<100	<100	<100	<100	<100				
ACRYLONITRILE	ug/l		<100	<100	<100	<100	<100				
TRANS-1,3-DICHLOROPROPENE	ug/l		<5	<5	<5	<5	<5				
CIS-1,3-DICHLOROPROPENE	ug/l		<5	<5	<5	<5	<5				
TRICHLOROFLUOROMETHANE	ug/l		<5	<5	<5	<5	<5				
1,1-DICHLOROETHENE	ug/l		<5	<5	<5	<5	<5				
1,1-DICHLOROETHANE	ug/l		<5	<5	<5	<5	<5				
1,2-DICHLOROETHENE (TOTAL)	ug/l		<5	<5	<5	<5	<5				
CHLOROFORM	ug/l		<5	<5	<5	<5	<5				
1,2-DICHLOROETHANE	ug/l		<5	<5	<5	<5	<5				
1,1,1-TRICHLOROETHANE	ug/l		<5	<5	<5	<5	<5				
CARBON TETRACHLORIDE	ug/l		<5	<5	<5	<5	<5				
BROMODICHLOROMETHANE	ug/l		<5	<5	<5	<5	<5				
1,2-DICHLOROPROPANE	ug/l		<5	<5	<5	<5	<5				
TRICHLOROETHENE	ug/l		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5
BENZENE	ug/l		<5	<5	<5	<5	<5	<1	<1	<1	<1
DIBROMOCHLOROMETHANE	ug/l		<5	<5	<5	<5	<5				
1,1,2-TRICHLOROETHANE	ug/l		<5	<5	<5	<5	<5				
2-CHLOROETHYLVINYL ETHER	ug/l		<10	<10	<10	<10	<10				
BROMOFORM	ug/l		<5	<5	<5	<5	<5				
TETRACHLOROETHENE	ug/l		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-TETRACHLOROETHANE	ug/l		<5	<5	<5	<5	<5				
TOLUENE	ug/l		<5	<5	<5	<5	<5	<1	<1	<1	<1
CHLOROBENZENE	ug/l		<5	<5	<5	<5	<5				
ETHYLBENZENE	ug/l		<5	<5	<5	<5	<5	<1	<1	<1	<1

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-4
MONITROING WELL W-4R (REPLACING W-4 AS OF 4-18-89)

PARAMETER	UNITS	3/15/95	5/24/95	8/9/95	12/28/95	3/13/96	5/15/96	8/14/96	12/4/96	2/11/97	5/28/97
ALKALINITY, TOTAL	mg/l										
AMMONIA NITROGEN	mg/l		125				91				114
TOTAL COLIFORM	cfu/100 m										
BIOCHEMICAL OXYGEN DEMAND	mg/l										
TOTAL ORGANIC CARBON	mg/l	49	55	50	62	42	39	40	51 3	45 3	42
CHEMICAL OXYGEN DEMAND	mg/l					240					
CHLORIDE	mg/l		16		170		14		11 8	11	11
CYANIDE, TOTAL	mg/l										
FLUORIDE	mg/l										
ALUMINUM, TOTAL	mg/l										
ARSENIC, TOTAL	mg/l										
BARIUM, TOTAL	mg/l										
CADMIUM, TOTAL	mg/l										
CHROMIUM, TOTAL	mg/l										
IRON, TOTAL	mg/l										
LEAD, TOTAL	mg/l										
MANGANESE, TOTAL	mg/l										
MERCURY, TOTAL	mg/l										
SELENIUM, TOTAL	mg/l										
SILVER, TOTAL	mg/l										
SODIUM, TOTAL	mg/l		273				200		223		215
NITRATE NITROGEN	mg/l										
TOTAL ORGANIC HALOGENS	ug/l	12	14	14	11	11	7	11	12.2	9 5	7 2
PHENOLICS	mg/l				<0 005						
pH	standard	6.99	6 92	6 98	6 92	6 93	7 03	6 90	6.99	6.79	6 94
TOTAL DISSOLVED SOLIDS	mg/l										
SPECIFIC CONDUCTANCE	umhos/c	2560	2520	3110	3250	2160	2040	2100	2060	2590	2020
SULFATE	mg/l		240		430		110		220		263
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l		<9				<9				<9
2-CHLOROPHENOL	ug/l		<9				<9				<9
2-NITROPHENOL	ug/l		<9				<9				<9
2,4-DIMETHYLPHENOL	ug/l		<9				<9				<9
2,4-DICHLOROPHENOL	ug/l		<9				<9				<9
4-CHLORO-3-METHYLPHENOL	ug/l		<9				<9				<9
2,4,6-TRICHLOROPHENOL	ug/l		<9				<9				<9
2,4-DINITROPHENOL	ug/l		<24				<24				<24
4-NITROPHENOL	ug/l		<24				<24				<24
2-METHYL-4,6-DINITROPHENOL	ug/l		<24				<24				<24
PENTACHLOROPHENOL	ug/l		<24				<24				<24
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l										
BIS(2-CHLOROETHYL)ETHER	ug/l										
1,3-DICHLOROBENZENE	ug/l										
1,4-DICHLOROBENZENE	ug/l										
1,2-DICHLOROBENZENE	ug/l										
BIS(2-CHLOROISOPROPYL)ETHER	ug/l										
HEXACHLOROETHANE	ug/l										
N-NITROSODI-N-PROPYLAMINE	ug/l										
NITROBENZENE	ug/l										
ISOPHORONE	ug/l										
BIS(2-CHLOROETHOXY)METHANE	ug/l										
1,2,4-TRICHLOROBENZENE	ug/l										
NAPHTHALENE	ug/l	<10	<10	<10	<10	<13	<10	<10	<10	<10	<10
HEXACHLOROBUTADIENE	ug/l										
HEXCHLOROCYCLOPENTADIENE	ug/l										
2-CHLORONAPHTHALENE	ug/l										
ACENAPHTHYLENE	ug/l	<20	<20	<20	<20	<25	<20	<20	<20	<20	<20
DIMETHYL PHTHALATE	ug/l										
2,6-DINITROTOLUENE	ug/l										
ACENAPHTHENE	ug/l	<20	<20	<20	<20	<25	<20	<20	<20	<20	<20
2,4-DINITROTOLUENE	ug/l										
FLUORENE	ug/l	<2	<2	<2	<2	<2.5	<2	<2	<2	<2	<2
DIETHYL PHTHALATE	ug/l										
4-CHLOROPHENYL PHENYL ETHER	ug/l										
N-NITROSODIPHENYLAMINE	ug/l										
1,2-DIPHENYLHYDRAZINE	ug/l										

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-4
MONITROING WELL W-4R (REPLACING W-4 AS OF 4-18-89)

PARAMETER	UNITS	3/15/95	5/24/95	8/9/95	12/28/95	3/13/96	5/15'96	8/14/96	12/4/96	2/11/97	5/28/97
4-BROMOPHENYL PHENYL ETHER	ug/l										
HEXACHLOROBENZENE	ug/l										
PHENANTHRENE	ug/l	<2	<2	<2	<2	<2 5	<2	<2	<2	<2	<2
ANTHRACENE	ug/l	<1	<1	<1	<1	<1 3	<1	<1	<1	<1	<1
DI-N-BUTYL PHTHALATE	ug/l										
FLUORANTHENE	ug/l	<0.5	<0.5	<0 5	<0 5	<0 63	<0 5	<0 5	<0 5	<0 5	<0 5
BENZIDINE	ug/l										
PYRENE	ug/l	<2	<2	<2	<2	<2 5	<2	<2	<2	<2	<2
BUTYL BENZYL PHTHALATE	ug/l										
BENZ(A)ANTHRACENE	ug/l	<0.1	<0.1	<0 1	<0 1	<0 13	<0 1	<0 1	<0 1	<0 1	<0 1
CHRYSENE	ug/l	<1	<1	<1	<1	<1 3	<1	<1	<1	<1	<1
3,3'-DICHLOROBENZIDINE	ug/l										
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l										
DI-N-OCTYL PHTHALATE	ug/l										
BENZO(B)FLUORANTHENE	ug/l	<0 2	<0.2	<0 2	<0 2	<0 25	<0 2	<0 2	<0 2	<0 2	<0 2
BENZO(K)FLUORANTHENE	ug/l	<0.1	<0.1	<0 1	<0 1	<0 13	<0 1	<0 1	<0 1	<0 1	<0 1
BENZO(A)PYRENE	ug/l	<0.2	<0.2	<0 2	<0 2	<0 25	<0 2	<0 2	<0 2	<0 2	<0 2
INDENO(1,2,3-C.D)PYRENE	ug/l	<0.5	<0.5	<0 5	<0 5	<0 63	<0 5	<0 5	<0 5	<0.5	<0 5
DIBENZ(A,H)ANTHRACENE	ug/l	<0.2	<0 2	<0 2	<0 2	<0 25	<0 2	<0 2	<0 2	<0 2	<0 2
BENZO(G.H.I)PERYLENE	ug/l	<0.5	<0.5	<0 5	<0 5	<0 63	<0 5	<0 5	<0.5	<0.5	<0 5
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l										
VOLATILE ORGANICS.											
CHLOROMETHANE	ug/l										
BROMOMETHANE	ug/l										
VINYL CHLORIDE	ug/l										
CHLOROETHANE	ug/l										
METHYLENE CHLORIDE	ug/l										
ACROLEIN	ug/l										
ACRYLONITRILE	ug/l										
TRANS-1,3-DICHLOROPROPENE	ug/l										
CIS-1,3-DICHLOROPROPENE	ug/l										
TRICHLOROFLUOROMETHANE	ug/l										
1,1-DICHLOROETHENE	ug/l										
1,1-DICHLOROETHANE	ug/l										
1,2-DICHLOROETHENE (TOTAL)	ug/l										
CHLOROFORM	ug/l										
1,2-DICHLOROETHANE	ug/l										
1,1,1-TRICHLOROETHANE	ug/l										
CARBON TETRACHLORIDE	ug/l										
BROMODICHLOROMETHANE	ug/l										
1,2-DICHLOROPROPANE	ug/l										
TRICHLOROETHENE	ug/l	<0.5	<0.5	<0.5	<0.5	<0 5	<0 5	<0.5	<1	<0.5	<0.5
BENZENE	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
DIBROMOCHLOROMETHANE	ug/l										
1,1,2-TRICHLOROETHANE	ug/l										
2-CHLOROETHYLVINYL ETHER	ug/l										
BROMOFORM	ug/l										
TETRACHLOROETHENE	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5
1,1,2,2-TETRACHLOROETHANE	ug/l										
TOLUENE	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
CHLOROBENZENE	ug/l										
ETHYLBENZENE	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-4
MONITROING WELL W-4R (REPLACING W-4 AS OF 4-18-89)

PARAMETER	UNITS	8/14/97	11/19/97
ALKALINITY, TOTAL	mg/l		
AMMONIA NITROGEN	mg/l		
TOTAL COLIFORM	cfu/100 m		
BIOCHEMICAL OXYGEN DEMAND	mg/l		
TOTAL ORGANIC CARBON	mg/l	49.8	94.8
CHEMICAL OXYGEN DEMAND	mg/l		
CHLORIDE	mg/l		21.7
CYANIDE, TOTAL	mg/l		
FLUORIDE	mg/l		
ALUMINUM, TOTAL	mg/l		
ARSENIC, TOTAL	mg/l		
BARIUM, TOTAL	mg/l		
CADMIUM, TOTAL	mg/l		
CHROMIUM, TOTAL	mg/l		
IRON, TOTAL	mg/l		
LEAD, TOTAL	mg/l		
MANGANESE, TOTAL	mg/l		
MERCURY, TOTAL	mg/l		
SELENIUM, TOTAL	mg/l		
SILVER, TOTAL	mg/l		
SODIUM, TOTAL	mg/l		406
NITRATE NITROGEN	mg/l		
TOTAL ORGANIC HALOGENS	ug/l	7.8	12.9
PHENOLICS	mg/l		
pH	standard	6.88	6.90
TOTAL DISSOLVED SOLIDS	mg/l		
SPECIFIC CONDUCTANCE	umhos/c	2700	3580
SULFATE	mg/l		730
HERBICIDES:			
2,4-D	ug/l		
2,4,5-TP	ug/l		
PESTICIDES:			
ENDRIN	ug/l		
LINDANE	ug/l		
METHOXYCHLOR	ug/l		
TOXAPHENE	ug/l		
ACID EXTRACTABLES:			
PHENOL	ug/l		<10
2-CHLOROPHENOL	ug/l		<10
2-NITROPHENOL	ug/l		<10
2,4-DIMETHYLPHENOL	ug/l		<10
2,4-DICHLOROPHENOL	ug/l		<10
4-CHLORO-3-METHYLPHENOL	ug/l		<10
2,4,6-TRICHLOROPHENOL	ug/l		<10
2,4-DINITROPHENOL	ug/l		<24
4-NITROPHENOL	ug/l		<24
2-METHYL-4,6-DINITROPHENOL	ug/l		<24
PENTACHLOROPHENOL	ug/l		<24
BASE/NEUTRAL EXTRACTABLES:			
N-NITROSODIMETHYLAMINE	ug/l		
BIS(2-CHLOROETHYL)ETHER	ug/l		
1,3-DICHLOROBENZENE	ug/l		
1,4-DICHLOROBENZENE	ug/l		
1,2-DICHLOROBENZENE	ug/l		
BIS(2-CHLOROISOPROPYL)ETHER	ug/l		
HEXACHLOROETHANE	ug/l		
N-NITROSODI-N-PROPYLAMINE	ug/l		
NITROBENZENE	ug/l		
ISOPHORONE	ug/l		
BIS(2-CHLOROETHOXY)METHANE	ug/l		
1,2,4-TRICHLOROBENZENE	ug/l		
NAPHTHALENE	ug/l	<10	<2
HEXACHLOROBUTADIENE	ug/l		
HEXCHLOROCYCLOPENTADIENE	ug/l		
2-CHLORONAPHTHALENE	ug/l		
ACENAPHTHYLENE	ug/l	<20	<4
DIMETHYL PHTHALATE	ug/l		
2,6-DINITROTOLUENE	ug/l		
ACENAPHTHENE	ug/l	<20	<4
2,4-DINITROTOLUENE	ug/l		
FLUORENE	ug/l	<2	<0.4
DIETHYL PHTHALATE	ug/l		
4-CHLOROPHENYL PHENYL ETHER	ug/l		
N-NITROSODIPHENYLAMINE	ug/l		
1,2-DIPHENYLHYDRAZINE	ug/l		

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-4
MONITROING WELL W-4R (REPLACING W-4 AS OF 4-18-89)

PARAMETER	UNITS	8/14/97	11/19/97
4-BROMOPHENYL PHENYL ETHER	ug/l		
HEXACHLOROBENZENE	ug/l		
PHENANTHRENE	ug/l	<2	<0 4
ANTHRACENE	ug/l	<1	<0.2
DI-N-BUTYL PHTHALATE	ug/l		
FLUORANTHENE	ug/l	<0.5	<0.1
BENZIDINE	ug/l		
PYRENE	ug/l	<2	<0.4
BUTYL BENZYL PHTHALATE	ug/l		
BENZ(A)ANTHRACENE	ug/l	<0.1	<0.02
CHRYSENE	ug/l	<1	<0.2
3,3'-DICHLOROBENZIDINE	ug/l		
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l		
DI-N-OCTYL PHTHALATE	ug/l		
BENZO(B)FLUORANTHENE	ug/l	<0.2	<0.04
BENZO(K)FLUORANTHENE	ug/l	<0.1	<0.02
BENZO(A)PYRENE	ug/l	<0.2	<0.04
INDENO(1,2,3-C,D)PYRENE	ug/l	<0.5	<0.1
DIBENZ(A,H)ANTHRACENE	ug/l	<0.2	<0.04
BENZO(G,H,I)PERYLENE	ug/l	<0.5	<0.1
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l		
VOLATILE ORGANICS			
CHLOROMETHANE	ug/l		
BROMOMETHANE	ug/l		
VINYL CHLORIDE	ug/l		
CHLOROETHANE	ug/l		
METHYLENE CHLORIDE	ug/l		
ACROLEIN	ug/l		
ACRYLONITRILE	ug/l		
TRANS-1,3-DICHLOROPROPENE	ug/l		
CIS-1,3-DICHLOROPROPENE	ug/l		
TRICHLOROFLUOROMETHANE	ug/l		
1,1-DICHLOROETHENE	ug/l		
1,1-DICHLOROETHANE	ug/l		
1,2-DICHLOROETHENE (TOTAL)	ug/l		
CHLOROFORM	ug/l		
1,2-DICHLOROETHANE	ug/l		
1,1,1-TRICHLOROETHANE	ug/l		
CARBON TETRACHLORIDE	ug/l		
BROMODICHLOROMETHANE	ug/l		
1,2-DICHLOROPROPANE	ug/l		
TRICHLOROETHENE	ug/l	<1	<0.5
BENZENE	ug/l	<1	<1
DIBROMOCHLOROMETHANE	ug/l		
1,1,2-TRICHLOROETHANE	ug/l		
2-CHLOROETHYLVINYL ETHER	ug/l		
BROMOFORM	ug/l		
TETRACHLOROETHENE	ug/l	<1	<0.5
1,1,2,2-TETRACHLOROETHANE	ug/l		
TOLUENE	ug/l	<1	<1
CHLOROBENZENE	ug/l		
ETHYLBENZENE	ug/l	<1	<1

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-6

PARAMETER	UNITS	4/10/85	6/26/85	10/15/85	1/23/86	4/24/86	7/29/86	10/10/86	1/8/87	4/16/87	7/17/87
ALKALINITY, TOTAL	mg/l									218 00	268 00
AMMONIA NITROGEN	mg/l									43 5	52 00
TOTAL COLIFORM	cfu/100 ml									<2	<1
BIOCHEMICAL OXYGEN DEMAND	mg/l									10 5	53 5
TOTAL ORGANIC CARBON	mg/l									5 9	15 2
CHEMICAL OXYGEN DEMAND	mg/l									1290 00	31 00
CHLORIDE	mg/l										
CYANIDE, TOTAL	mg/l									3 1	2 9
FLUORIDE	mg/l									0 33	0 44
ALUMINUM, TOTAL	mg/l										
ARSENIC, TOTAL	mg/l										
BARIUM, TOTAL	mg/l										
CADMIUM, TOTAL	mg/l										
CHROMIUM, TOTAL	mg/l									<0 001	0 001
IRON, TOTAL	mg/l									1 7	0 1
LEAD, TOTAL	mg/l										
MANGANESE, TOTAL	mg/l									2 3	1 4
MERCURY, TOTAL	mg/l										
SELENIUM, TOTAL	mg/l										
SILVER, TOTAL	mg/l										
SODIUM, TOTAL	mg/l									40 8	97 00
NITRATE NITROGEN	mg/l									<0 26	<0 26
TOTAL ORGANIC HALOGENS	ug/l									<5	<10
PHENOLICS	mg/l									<0 005	<0 005
pH	standard									7 40	7 40
TOTAL DISSOLVED SOLIDS	mg/l									492 00	540 00
SPECIFIC CONDUCTANCE	umhos/cm									846 00	1110 00
SULFATE	mg/l									141 00	212 00
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l									<10	<10
2-CHLOROPHENOL	ug/l									<10	<10
2-NITROPHENOL	ug/l									<10	<10
2,4-DIMETHYLPHENOL	ug/l									<10	<10
2,4-DICHLOROPHENOL	ug/l									<10	<10
4-CHLORO-3-METHYLPHENOL	ug/l									<10	<10
2,4,6-TRICHLOROPHENOL	ug/l									<10	<10
2,4-DINITROPHENOL	ug/l									<50	<50
4-NITROPHENOL	ug/l									<50	<50
2-METHYL-4,6-DINITROPHENOL	ug/l									<50	<50
PENTACHLOROPHENOL	ug/l									<50	<50
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l										
BIS(2-CHLOROETHYL)ETHER	ug/l									<10	<10
1,3-DICHLOROBENZENE	ug/l									<10	<10
1,4-DICHLOROBENZENE	ug/l									<10	<10
1,2-DICHLOROBENZENE	ug/l									<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l									<10	<10
HEXACHLOROETHANE	ug/l									<10	<10
N-NITROSODI-N-PROPYLAMINE	ug/l									<10	<10
NITROBENZENE	ug/l									<10	<10
ISOPHORONE	ug/l									<10	<10
BIS(2-CHLOROETHOXY)METHANE	ug/l									<10	<10
1,2,4-TRICHLOROBENZENE	ug/l									<10	<10
NAPHTHALENE	ug/l									<10	<10
HEXACHLOROBUTADIENE	ug/l									<10	<10
HEXCHLOROCYCLOPENTADIENE	ug/l									<10	<10
2-CHLORONAPHTHALENE	ug/l									<10	<10
ACENAPHTHYLENE	ug/l									<10	16.00
DIMETHYL PHTHALATE	ug/l									<10	<10
2,6-DINITROTOLUENE	ug/l									<10	<10
ACENAPHTHENE	ug/l									27.00	18.00
2,4-DINITROTOLUENE	ug/l									<10	<10
FLUORENE	ug/l									24.00	13.00
DIETHYL PHTHALATE	ug/l									<10	<10
4-CHLOROPHENYL PHENYL ETHER	ug/l									<10	<10
N-NITROSODIPHENYLAMINE	ug/l									<10	<10
1,2-DIPHENYLHYDRAZINE	ug/l									<10	<10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-6

PARAMETER	UNITS	4/10/85	6/26/85	10/15/85	1/23/86	4/24/86	7/29/86	10/10/86	1/8/87	4/16/87	7/17/87
4-BROMOPHENYL PHENYL ETHER	ug/l									<10	<10
HEXACHLOROBENZENE	ug/l									<10	<10
PHENANTHRENE	ug/l									<10	<10
ANTHRACENE	ug/l									<10	<10
DI-N-BUTYL PHTHALATE	ug/l									<10	<10
FLUORANTHENE	ug/l									17 00	<10
BENZIDINE	ug/l										
PYRENE	ug/l									17 00	<10
BUTYL BENZYL PHTHALATE	ug/l									<10	<10
BENZ(A)ANTHRACENE	ug/l									<10	<10
CHRYSENE	ug/l									<10	<10
3,3'-DICHLOROBENZIDINE	ug/l									<20	<20
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l									<10	<10
DI-N-OCTYL PHTHALATE	ug/l									<10	<10
BENZO(B)FLUORANTHENE	ug/l									<10	<10
BENZO(K)FLUORANTHENE	ug/l									<10	<10
BENZO(A)PYRENE	ug/l									<10	<10
INDENO(1,2,3-C,D)PYRENE	ug/l									<10	<10
DIBENZ(A,H)ANTHRACENE	ug/l									<10	<10
BENZO(G,H,I)PERYLENE	ug/l									<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l									<10	<10
VOLATILE ORGANICS:											
CHLOROMETHANE	ug/l									<2 0	<2 0
BROMOMETHANE	ug/l									<2.0	<2 0
VINYL CHLORIDE	ug/l									<2 0	<2 0
CHLOROETHANE	ug/l									<2 0	<2 0
METHYLENE CHLORIDE	ug/l									24 00	<1 0
ACROLEIN	ug/l										
ACRYLONITRILE	ug/l										
TRANS-1,3-DICHLOROPROPENE	ug/l									<1.0	<1 0
CIS-1,3-DICHLOROPROPENE	ug/l									<1.0	<1 0
TRICHLOROFLUOROMETHANE	ug/l										
1,1-DICHLOROETHENE	ug/l									<1.0	<1 0
1,1-DICHLOROETHANE	ug/l									<1 0	<1 0
1,2-DICHLOROETHENE (TOTAL)	ug/l									<1.0	<1.0
CHLOROFORM	ug/l									<1.0	<1 0
1,2-DICHLOROETHANE	ug/l									<1.0	<1 0
1,1,1-TRICHLOROETHANE	ug/l									<1.0	<1 0
CARBON TETRACHLORIDE	ug/l									<1 0	<1.0
BROMODICHLOROMETHANE	ug/l									<1 0	<1.0
1,2-DICHLOROPROPANE	ug/l									<1.0	<1.0
TRICHLOROETHENE	ug/l									<1.0	<1.0
BENZENE	ug/l									<1.0	<1.0
DIBROMOCHLOROMETHANE	ug/l									<1.0	<1.0
1,1,2-TRICHLOROETHANE	ug/l									<1.0	<1.0
2-CHLOROETHYLVINYL ETHER	ug/l									<2.0	<2.0
BROMOFORM	ug/l									<1 0	<1.0
TETRACHLOROETHENE	ug/l									<1.0	1.00
1,1,2,2-TETRACHLOROETHANE	ug/l									<1.0	<1.0
TOLUENE	ug/l									<1.0	<1.0
CHLOROBENZENE	ug/l									<1.0	<1.0
ETHYLBENZENE	ug/l									<1.0	<1.0

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-DICHLOROPROPENE COULD NOT BE RESOLVED. VALUES REPORTED INDICATE THE SUM OF BOTH COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/86.

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD NOT BE RESOLVED, VALUES REPORTED INDICATE THE SUM OF BOTH COMPOUNDS. 10/15/85.

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QUADRUPLICATE SAMPLES.

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-6

PARAMETER	UNITS	10/28/87	2/11/88	3/8/88	5/19/88	1/18/89	4/18/89	8/1/89	10/30/89	1/11/90	4/5/90
ALKALINITY, TOTAL	mg/l	257		327 00	268 00	259 00	338 00	364 00		347 00	314 00
AMMONIA NITROGEN	mg/l	72.00		89 0	45 0	60 0	82 5	39 8		55 2	43 6
TOTAL COLIFORM	cfu/100 ml	>40000		7500 00	(3) <10	<2 2	>16	2 2		2 2	<2 2
BIOCHEMICAL OXYGEN DEMAND	mg/l	33.0		42 5	21 00	32 00	29 00	28 00		63	24 00
TOTAL ORGANIC CARBON	mg/l	13.9		4 27	6 2	7 00	9 9	8 9		9 1	7 0
CHEMICAL OXYGEN DEMAND	mg/l	66 1		196 00	580 00	440 00	310 00	350 00		1290 00	430 00
CHLORIDE	mg/l	25.8		31 2	8 00	24 00	12 00	8 00		28 00	19 00
CYANIDE, TOTAL	mg/l	10.9		1 76	0 102	6 20	0 014	0 152		0 410	0 104
FLUORIDE	mg/l	0.41		0 40	0 3	0 3	0 3	0 3		0 2	0 2
ALUMINUM, TOTAL	mg/l										
ARSENIC, TOTAL	mg/l				<0 01	<0 01	<0 01	<0 01		0 01	<0 01
BARIUM, TOTAL	mg/l				<0 1	0 1	0 1	0 1		0 1	0 1
CADMIUM, TOTAL	mg/l				<0 005	<0 005	<0 005			<0 005	<0 005
CHROMIUM, TOTAL	mg/l	0.004		0 031	<0 05	<0 05	<0 05	<0 05		<0 05	<0 05
IRON, TOTAL	mg/l	0.5		1 2							
LEAD, TOTAL	mg/l				<0 05	<0 05	<0 05	<0 05		<0 05	<0 05
MANGANESE, TOTAL	mg/l	1.3		1 8							
MERCURY, TOTAL	mg/l				<0 0005	<0 0005	<0 0005	<0 0005		<0 0005	<0 0005
SELENIUM, TOTAL	mg/l				<0 005	<0 005	<0 005	<0 005		<0 005	<0 005
SILVER, TOTAL	mg/l				<0 01	<0 01	<0 01	<0 01		<0 01	<0 01
SODIUM, TOTAL	mg/l	63.00		72 0			64 5	43 4		45 1	39 3
NITRATE NITROGEN	mg/l	<0.21		<0 21	0 6	<0 5	<0 5	<0 5		<0 5	<0 5
TOTAL ORGANIC HALOGENS	ug/l	142.00		113 00	5 00	<5	<5	<5		8 00	5 00
PHENOLICS	mg/l	<0 005		0 009							
pH	standard	7 40		7 15	7 46	7 39	7 20	7 20		7 48	7 24
TOTAL DISSOLVED SOLIDS	mg/l	436 00		526 00	360 00	560 00	480 00	430 00		540 00	570 00
SPECIFIC CONDUCTANCE	umhos/cm	1010.00		1160 00	820 00	1100 00	1040 00	920 00		1180 00	1160 00
SULFATE	mg/l	210.00		290 00	129 00	259 00	180 00	145 00		218.00	249 00
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l		<10	<10	<10	<10	<10	<10		<10	<10
2-CHLOROPHENOL	ug/l		<10	<10	<10	<10	<10	<10		<10	<10
2-NITROPHENOL	ug/l		<10	<10	<10	<10	<10	<10		<10	<10
2,4-DIMETHYLPHENOL	ug/l		<10	<10	<10	<10	<10	<10		<10	<10
2,4-DICHLOROPHENOL	ug/l		<10	<10	<10	<10	<10	<10		<10	<10
4-CHLORO-3-METHYLPHENOL	ug/l		<10	<10	<10	<10	<10	<10		<10	<10
2,4,6-TRICHLOROPHENOL	ug/l		<10	<10	<10	<10	<10	<10		<10	<10
2,4-DINITROPHENOL	ug/l		<50	<50	<25	<25	<25	<25		<25	<25
4-NITROPHENOL	ug/l		<50	<50	<25	<25	<25	<25		<25	<25
2-METHYL-4,6-DINITROPHENOL	ug/l		<50	<50	<25	<25	<25	<25		<25	<25
PENTACHLOROPHENOL	ug/l		<50	<50	<25	<25	<25	<25		<25	<25
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
BIS(2-CHLOROETHYL)ETHER	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
1,3-DICHLOROBENZENE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
1,4-DICHLOROBENZENE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
1,2-DICHLOROBENZENE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
HEXACHLOROETHANE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
N-NITROSODI-N-PROPYLAMINE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
NITROBENZENE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
ISOPHORONE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
BIS(2-CHLOROETHOXY)METHANE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
1,2,4-TRICHLOROBENZENE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
NAPHTHALENE	ug/l		29.00	<10	40.00	20.00	<10	44.00		72.00	66.00
HEXACHLOROBUTADIENE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
HEXCHLOROCYCLOPENTADIENE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
2-CHLORONAPHTHALENE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
ACENAPHTHYLENE	ug/l		21.00	<10	30.00	30.00	19.00	35.00		37.00	36.00
DIMETHYL PHTHALATE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
2,6-DINITROTOLUENE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
ACENAPHTHENE	ug/l		<11	13.00	50.00	40.00	35.00	69.00		69.00	63.00
2,4-DINITROTOLUENE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
FLUORENE	ug/l		11.00	<10	30.00	20.00	18.00	45.00		49.00	47.00
DIETHYL PHTHALATE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
4-CHLOROPHENYL PHENYL ETHER	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
N-NITROSODIPHENYLAMINE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
1,2-DIPHENYLHYDRAZINE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-6

PARAMETER	UNITS	10/28/87	2/11/88	3/8/88	5/19/88	1/18/89	4/18/89	8/1/89	10/30/89	1/11/90	4/5/90
4-BROMOPHENYL PHENYL ETHER	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
HEXACHLOROBENZENE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
PHENANTHRENE	ug/l		<11	<10	<10	<10	<10	13 00		27 00	21 00
ANTHRACENE	ug/l		<11	<10	<10	<10	<10	<10		15 00	10 00
DI-N-BUTYL PHTHALATE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
FLUORANTHENE	ug/l		<11	<10	10 00	<10	<10	26 00		44 00	28 00
BENZIDINE	ug/l		<22	<20	<25	<25	<25	<25		<25	<25
PYRENE	ug/l		<11	<10	20 00	<10	<10	21 00		45 00	30 00
BUTYL BENZYL PHTHALATE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
BENZ(A)ANTHRACENE	ug/l		<11	<10	<10	<10	<10	<10		21 00	15 00
CHRYSENE	ug/l		<11	<10	<10	<10	<10	11 00		23 00	17 00
3,3'-DICHLOROBENZIDINE	ug/l		<22	<20	<25	<25	<25	<25		<25	<25
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
DI-N-OCTYL PHTHALATE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
BENZO(B)FLUORANTHENE	ug/l		<11	<10	<10	<10	<10	<10		16 00	14 00
BENZO(K)FLUORANTHENE	ug/l		<11	<10	<10	<10	<10	<10		12 00	<10
BENZO(A)PYRENE	ug/l		<11	<10	<10	<10	<10	<10		16 00	12 00
INDENO(1,2,3-C,D)PYRENE	ug/l		<11	<10	<10	<10	<10	<10		10 00	<10
DIBENZ(A,H)ANTHRACENE	ug/l		<11	<10	<10	<10	<10	<10		<10	<10
BENZO(G,H,I)PERYLENE	ug/l		<11	<10	<10	<10	<10	<10		10 00	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l		<11	<10							
VOLATILE ORGANICS:											
CHLOROMETHANE	ug/l	<2		<2	<10	<10	<10	<10		<10	<10
BROMOMETHANE	ug/l	<2		<2	<10	<10	<10	<10		<10	<10
VINYL CHLORIDE	ug/l	<2		<2	<10	<10	<10	<10		<10	<10
CHLOROETHANE	ug/l	<2		<2	<10	<10	<10	<10		<10	<10
METHYLENE CHLORIDE	ug/l	<1		<1	<5	<5	<5	<5		<5	<5
ACROLEIN	ug/l				<100	<100	<100	<100		<100	<100
ACRYLONITRILE	ug/l				<100	<100	<100	<100		<100	<100
TRANS-1,3-DICHLOROPROPENE	ug/l	<1		<1	<5	<5	<5	<5		<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<1		<1	<5	<5	<5	<5		<5	<5
TRICHLOROFLUOROMETHANE	ug/l			<1	<5	<5	<5	<5		<5	<5
1,1-DICHLOROETHENE	ug/l	<1		<1	<5	<5	<5	<5		<5	<5
1,1-DICHLOROETHANE	ug/l	<1		<1	<5	<5	<5	<5		<5	<5
1,2-DICHLOROETHENE (TOTAL)	ug/l	<1		<1	<5	<5	<5	<5		<5	<5
CHLOROFORM	ug/l	<1		<2	<5	<5	<5	<5		<5	<5
1,2-DICHLOROETHANE	ug/l	<1		<1	<5	<5	<5	<5		<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<1		<1	<5	<5	<5	<5		<5	<5
CARBON TETRACHLORIDE	ug/l	<1		<1	<5	<5	<5	<5		<5	<5
BROMODICHLOROMETHANE	ug/l	<1		<1	<5	<5	<5	<5		<5	<5
1,2-DICHLOROPROPANE	ug/l	<1		<1	<5	<5	<5	<5		<5	<5
TRICHLOROETHENE	ug/l	<1		<1	<5	<5	<5	<5		<5	<5
BENZENE	ug/l	3.00		<1	<5	<5	<5	<5		<5	<5
DIBROMOCHLOROMETHANE	ug/l	<1		<1	<5	<5	<5	<5		<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<1		<1	<5	<5	<5	<5		<5	<5
2-CHLOROETHYLVINYL ETHER	ug/l	<2		<2	<10	<10	<10	<10		<10	<10
BROMOFORM	ug/l	<1		<1	<5	<5	<5	<5		<5	<5
TETRACHLOROETHENE	ug/l	<1		<1	<5	<5	<5	<5		<5	<5
1,1,2,2-TETRACHLOROETHANE	ug/l	<1		<1	<5	<5	<5	<5		<5	<5
TOLUENE	ug/l	<1		<1	<5	<5	<5	<5		<5	<5
CHLOROBENZENE	ug/l	<1		<1	<5	<5	<5	<5		<5	<5
ETHYLBENZENE	ug/l	<1		<1	<5	<5	<5	<5		<5	<5

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-6

PARAMETER	UNITS	7/10/90	10/11/90	1/8/91	2/20/91	5/2/91	7/18/91	10/25/91	1/16/92	4/16/92	8/13/92
ALKALINITY, TOTAL	mg/l	380.00	454.00	348.00		263 00	318 00	400.00	385 00	379 00	447 00
AMMONIA NITROGEN	mg/l	79.3	65.6	9.1		31 2	36 8	50.8	45 8	43 00	57 00
TOTAL COLIFORM	cfu/100 ml	<2.2	<2.2	<2.2		<2 2	2 2	>16	16 00	<2 2	>16
BIOCHEMICAL OXYGEN DEMAND	mg/l		38.00	63.00		<12	22 00	21 00	25 00	46 00	36 00
TOTAL ORGANIC CARBON	mg/l	9.6	10.0	7 5	(4) 5 6	5 6	6 8	9 6	8 0	11 00	15 00
CHEMICAL OXYGEN DEMAND	mg/l	60.00	270.00	1980 00		130 00	490 00	<50	<50	140 00	170 00
CHLORIDE	mg/l	12.00	16.00	15 00		8 00	8 00	15 00	24 00	29 00	27 00
CYANIDE, TOTAL	mg/l	0.158	0.057	0.427		0 034	0 240	0 028	1 49	0 269	0 119
FLUORIDE	mg/l	0.3	0.2	0.1		0 3	0 3	0 3	0 3	0 20	0 30
ALUMINUM, TOTAL	mg/l										
ARSENIC, TOTAL	mg/l	<0.01	<0.01	0 01			0 06	0 40	<0 01	0 15	
BARIUM, TOTAL	mg/l	0.1	<0.2	<0 2			0 4	0 4	<0 1	0 40	
CADMIUM, TOTAL	mg/l	<0.005	<0.005	<0.005			<0 005	<0 005	<0 005	0 007	
CHROMIUM, TOTAL	mg/l	<0.05	<0.05	<0.05			0 19	0.21	<0 05	0 20	
IRON, TOTAL	mg/l										
LEAD, TOTAL	mg/l	<0.05	<0.05	<0.05			0 44	0.45	<0 05	0 28	
MANGANESE, TOTAL	mg/l										
MERCURY, TOTAL	mg/l	<0.0005	<0 0005	<0 0005			0 0028	0.0029	<0 0005	0 0049	
SELENIUM, TOTAL	mg/l	<0.005	<0.005	<0 005			<0 005	<0 005	<0 005	0 007	
SILVER, TOTAL	mg/l	<0.01	<0.01	<0 01			<0 01	<0 01	<0 01	<0 01	
SODIUM, TOTAL	mg/l	65.8	74.6	37 5			37 2	45.0	55 4	67 40	
NITRATE NITROGEN	mg/l	<0.5	<0.5	<0 5		<0 5	<0 5	<0 5	<0 5	<0 5	<1
TOTAL ORGANIC HALOGENS	ug/l	<5	6.00	11 00	(4) <10	<5	<5	8.00	<5	14 00	11 00
PHENOLICS	mg/l										
pH	standard	7.12	7.43	6.97	(4) 6 82	6 95	7 18	8 00	7 14	7 28	7 17
TOTAL DISSOLVED SOLIDS	mg/l	570.00	550.00	500.00		420 00	430 00	600.00	560 00	710 00	700 00
SPECIFIC CONDUCTANCE	umhos/cm	1270.00	1300.00	1030 00	(4) 1010	839 00	868 00	1070 00	1190 00	1320 00	1480 00
SULFATE	mg/l	190.00	169.00	157.00		152 00	135 00	143 00	174.00	290 00	280 00
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
2-CHLOROPHENOL	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
2-NITROPHENOL	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
4-CHLORO-3-METHYLPHENOL	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
2,4-DINITROPHENOL	ug/l	<25	<25	<130		<25	<25	<50	<25	<25	<25
4-NITROPHENOL	ug/l	<25	<25	<130		<25	<25	<50	<25	<25	<25
2-METHYL-4,6-DINITROPHENOL	ug/l	<25	<25	<130		<25	<25	<50	<25	<25	<25
PENTACHLOROPHENOL	ug/l	<25	<25	<130		<25	<50	<100	<50	<50	<50
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
BIS(2-CHLOROETHYL)ETHER	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
1,3-DICHLOROBENZENE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
1,4-DICHLOROBENZENE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
1,2-DICHLOROBENZENE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
HEXACHLOROETHANE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
N-NITROSODI-N-PROPYLAMINE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
NITROBENZENE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
ISOPHORONE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
BIS(2-CHLOROETHOXY)METHANE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
1,2,4-TRICHLOROBENZENE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
NAPHTHALENE	ug/l	34.00	18.00	180.00		<10	48.00	<20	32.00	42.00	23.00
HEXACHLOROBUTADIENE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
HEXCHLOROCYCLOPENTADIENE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
2-CHLORONAPHTHALENE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
ACENAPHTHYLENE	ug/l	32.00	26.00	<50		20 00	33.00	<20	23.00	27.00	22.00
DIMETHYL PHTHALATE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
2,6-DINITROTOLUENE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
ACENAPHTHENE	ug/l	71.00	56.00	154.00		35.00	56.00	37.00	51.00	64.00	51.00
2,4-DINITROTOLUENE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
FLUORENE	ug/l	40.00	33.00	111.00		20 00	51.00	<20	34.00	42.00	21.00
DIETHYL PHTHALATE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
4-CHLOROPHENYL PHENYL ETHER	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
N-NITROSODIPHENYLAMINE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-6

PARAMETER	UNITS	7/10/90	10/11/90	1/8/91	2/20/91	5/2/91	7/18/91	10/25/91	1/16/92	4/16/92	8/13/92
4-BROMOPHENYL PHENYL ETHER	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
HEXACHLOROBENZENE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
PHENANTHRENE	ug/l	14.00	<10	64 00		<10	20 00	<20	15 00	18.00	11 00
ANTHRACENE	ug/l	<10	<10	<50		<10	11 00	<20	<10	<10	<10
DI-N-BUTYL PHTHALATE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
FLUORANTHENE	ug/l	24.00	12.00	113 00		<10	32 00	<20	24 00	30 00	<10
BENZIDINE	ug/l	<25	<25	<130		<25	<25	<200	<100	<100	<100
PYRENE	ug/l	25.00	11.00	116 00		<10	31 00	<20	<10	36 00	23 00
BUTYL BENZYL PHTHALATE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
BENZ(A)ANTHRACENE	ug/l	10.00	<10	50 00		<10	16 00	<20	12.00	15 00	<10
CHRYSENE	ug/l	11.00	<10	54 00		<10	19 00	<20	13 00	17 00	<10
3,3'-DICHLOROBENZIDINE	ug/l	<25	<25	<130		<25	<25	<40	<20	<20	<20
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
BENZO(B)FLUORANTHENE	ug/l	12.00	<10	59 00		<10	14 00	<20	<10	12 00	10 00
BENZO(K)FLUORANTHENE	ug/l	<10	<10	<50		<10	13 00	<20	<10	<10	<10
BENZO(A)PYRENE	ug/l	<10	<10	<50		<10	13 00	<20	<10	13 00	<10
INDENO(1,2,3-C,D)PYRENE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
DIBENZ(A,H)ANTHRACENE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
BENZO(G,H,I)PERYLENE	ug/l	<10	<10	<50		<10	<10	<20	<10	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l										
VOLATILE ORGANICS.											
CHLOROMETHANE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BROMOMETHANE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
VINYL CHLORIDE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
CHLOROETHANE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
METHYLENE CHLORIDE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
ACROLEIN	ug/l	<100	<100	<100		<100	<100	<100	<100	<100	<100
ACRYLONITRILE	ug/l	<100	<100	<100		<100	<100	<100	<100	<100	<100
TRANS-1,3-DICHLOROPROPENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
TRICHLOROFLUOROMETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1-DICHLOROETHENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1-DICHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,2-DICHLOROETHENE (TOTAL)	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
CHLOROFORM	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,2-DICHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
CARBON TETRACHLORIDE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
BROMODICHLOROMETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,2-DICHLOROPROPANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
TRICHLOROETHENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
BENZENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
DIBROMOCHLOROMETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
2-CHLOROETHYLVINYL ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BROMOFORM	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
TETRACHLOROETHENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
TOLUENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
CHLOROBENZENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
ETHYLBENZENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-6

PARAMETER	UNITS	8/31/92	11/5/92	1/28/93	5/5/93	7/27/93	11/17/93	3/15/94	5/10/94	9/8/94	11/17/94
ALKALINITY, TOTAL	mg/l		405.00	284 00	227	471	391				
AMMONIA NITROGEN	mg/l		53.00	26.00	17	51	37	9	17	46	
TOTAL COLIFORM	cfu/100 ml		5.20	<2.2	2 20	<2 2	<2 2				
BIOCHEMICAL OXYGEN DEMAND	mg/l		43.00	14.00	12	26	18				
TOTAL ORGANIC CARBON	mg/l		14.00	6.00	7	14	10	4	6	12	14
CHEMICAL OXYGEN DEMAND	mg/l		470.00	260.00	60	320	210				
CHLORIDE	mg/l		24.00	13.00	8	39	29	6			40
CYANIDE, TOTAL	mg/l		0.147	2.09	2 01	0 027	<0 005				
FLUORIDE	mg/l		0.30	0 20	0 20	0 40	0 30				
ALUMINUM, TOTAL	mg/l										
ARSENIC, TOTAL	mg/l	0.05	0.15	0.051	0 016	0 036	0 0481				
BARIUM, TOTAL	mg/l	0.30	0.70	0.30	0 10	0 27	0 39				
CADMIUM, TOTAL	mg/l	<0.01	<0.01	<0.01	<0 01	<0 01	<0 01				
CHROMIUM, TOTAL	mg/l	0.18	0.40	0.19	<0 05	0 129	0 213				
IRON, TOTAL	mg/l										
LEAD, TOTAL	mg/l	0.40	0.80	0.30	<0 1	0 25	0 36				
MANGANESE, TOTAL	mg/l										
MERCURY, TOTAL	mg/l	0.0023	0.0066	0.0024	0 0008	0 00193	0 00232				
SELENIUM, TOTAL	mg/l		<0.01	0.002	<0 002	<0 01	0 0032				
SILVER, TOTAL	mg/l	<0.02	<0.02	<0 02	<0 02	<0 02	<0 02				
SODIUM, TOTAL	mg/l	89.60	81.60	41 60	29 50	89 50	69 80	13.9			98 4
NITRATE NITROGEN	mg/l		<0.5	<0 5	<0 5	<0 5	<0 5				
TOTAL ORGANIC HALOGENS	ug/l		16	6	7	7	6	5	5	12	17
PHENOLICS	mg/l										
pH	standard		7.39	7.18	6 94	7 22	7 01	6.87	6.86	7 13	7 24
TOTAL DISSOLVED SOLIDS	mg/l		610.00	490.00	370	810	660				
SPECIFIC CONDUCTANCE	umhos/cm		1340.00	937.00	657	1550	1250	518	800	1390	1670
SULFATE	mg/l		200.00	160.00	101	280	200	73			310
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2-CHLOROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2-NITROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2,4-DIMETHYLPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2,4-DICHLOROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
4-CHLORO-3-METHYLPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2,4,6-TRICHLOROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2,4-DINITROPHENOL	ug/l		<25	<25	<25	<25	<25	<25			<24
4-NITROPHENOL	ug/l		<25	<25	<25	<25	<25	<25			<24
2-METHYL-4,6-DINITROPHENOL	ug/l		<25	<25	<25	<25	<25	<25			<24
PENTACHLOROPHENOL	ug/l		<50	<50	<25	<25	<25	<25			<24
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l		<10	<10	<10	<10	<10				
BIS(2-CHLOROETHYL)ETHER	ug/l		<10	<10	<10	<10	<10				
1,3-DICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
1,4-DICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
1,2-DICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
BIS(2-CHLOROISOPROPYL)ETHER	ug/l		<10	<10	<10	<10	<10				
HEXACHLOROETHANE	ug/l		<10	<10	<10	<10	<10				
N-NITROSODI-N-PROPYLAMINE	ug/l		<10	<10	<10	<10	<10				
NITROBENZENE	ug/l		<10	<10	<10	<10	<10				
ISOPHORONE	ug/l		<10	<10	<10	<10	<10				
BIS(2-CHLOROETHOXY)METHANE	ug/l		<10	<10	<10	<10	<10				
1,2,4-TRICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
NAPHTHALENE	ug/l		23.00	33.00	<10	24.00	25	<40	<10	<10	<10
HEXACHLOROBUTADIENE	ug/l		<10	<10	<10	<10	<10				
HEXCHLOROCYCLOPENTADIENE	ug/l		<10	<10	<10	<10	<10				
2-CHLORONAPHTHALENE	ug/l		<10	<10	<10	<10	<10				
ACENAPHTHYLENE	ug/l		27.00	35.00	<10	31.00	25	<20	<20	<20	<20
DIMETHYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
2,6-DINITROTOLUENE	ug/l		<10	<10	<10	<10	<10				
ACENAPHTHENE	ug/l		64.00	56.00	<10	73.00	66	30	30	40	40
2,4-DINITROTOLUENE	ug/l		<10	<10	<10	<10	<10				
FLUORENE	ug/l		31.00	24.00	<10	43.00	33	15	17	16	15
DIETHYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
4-CHLOROPHENYL PHENYL ETHER	ug/l		<10	<10	<10	<10	<10				
N-NITROSODIPHENYLAMINE	ug/l		<10	<10	<10	<10	<10				
1,2-DIPHENYLHYDRAZINE	ug/l		<10	<10	<10	<10	<10				

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-6

PARAMETER	UNITS	8/31/92	11/5/92	1/28/93	5/5/93	7/27/93	11/17/93	3/15/94	5/10/94	9/8/94	11/17/94
4-BROMOPHENYL PHENYL ETHER	ug/l		<10	<10	<10	<10	<10				
HEXACHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
PHENANTHRENE	ug/l		<10	<10	<10	<10	<10	<2	<2	<2	<2
ANTHRACENE	ug/l		<10	<10	<10	<10	<10	<1	<1	<1	<1
DI-N-BUTYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
FLUORANTHENE	ug/l		26.00	10 00	<10	18 00	18	1 9	1 1	3 8	1 0
BENZIDINE	ug/l		<100	<10	<100	<100	<100				
PYRENE	ug/l		17.00	<10	<10	16 00	18	2	<2	4	<2
BUTYL BENZYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
BENZ(A)ANTHRACENE	ug/l		<10	<10	<10	<10	<10	0 7	0 4	1 5	0 2
CHRYSENE	ug/l		<10	<10	<10	<10	<10	<1	<1	1	<1
3,3'-DICHLOROBENZIDINE	ug/l		<20	<10	<20	<20	<20				
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l		<10	<10	<10	<10	<10				
DI-N-OCTYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
BENZO(B)FLUORANTHENE	ug/l		<10	<10	<10	<10	<10	<0 6	<0 4	<1	<0 2
BENZO(K)FLUORANTHENE	ug/l		<10	<10	<10	<10	<10	0 3	<0 1	0 5	<0 1
BENZO(A)PYRENE	ug/l		<10	<10	<10	<10	<10	0 6	0 3	1 4	<0 2
INDENO(1,2,3-C,D)PYRENE	ug/l		<10	<10	<10	<10	<10	<0 5	<0 5	1 1	<0 5
DIBENZ(A,H)ANTHRACENE	ug/l		<10	<10	<10	<10	<10	<0 2	<0 2	<0 2	<0 2
BENZO(G,H,I)PERYLENE	ug/l		<10	<10	<10	<10	<10	<2	0 6	1.7	<0 5
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l										
VOLATILE ORGANICS:											
CHLOROMETHANE	ug/l		<10	<10	<10	<10					
BROMOMETHANE	ug/l		<10	<10	<10	<10					
VINYL CHLORIDE	ug/l		<10	<10	<10	<10					
CHLOROETHANE	ug/l		<10	<10	<10	<10					
METHYLENE CHLORIDE	ug/l		<5	<5	<5	<5					
ACROLEIN	ug/l		<100	<100	<100	<100					
ACRYLONITRILE	ug/l		<100	<100	<100	<100					
TRANS-1,3-DICHLOROPROPENE	ug/l		<5	<5	<5	<5					
CIS-1,3-DICHLOROPROPENE	ug/l		<5	<5	<5	<5					
TRICHLOROFLUOROMETHANE	ug/l		<5	<5	<5	<5					
1,1-DICHLOROETHENE	ug/l		<5	<5	<5	<5					
1,1-DICHLOROETHANE	ug/l		<5	<5	<5	<5					
1,2-DICHLOROETHENE (TOTAL)	ug/l		<5	<5	<5	<5					
CHLOROFORM	ug/l		<5	<5	<5	<5					
1,2-DICHLOROETHANE	ug/l		<5	<5	<5	<5					
1,1,1-TRICHLOROETHANE	ug/l		<5	<5	<5	<5					
CARBON TETRACHLORIDE	ug/l		<5	<5	<5	<5					
BROMODICHLOROMETHANE	ug/l		<5	<5	<5	<5					
1,2-DICHLOROPROPANE	ug/l		<5	<5	<5	<5					
TRICHLOROETHENE	ug/l		<5	<5	<5	<5		<0.5	<0.5	<0.5	<0.5
BENZENE	ug/l		<5	<5	<5	<5		10	<1	<1	<1
DIBROMOCHLOROMETHANE	ug/l		<5	<5	<5	<5					
1,1,2-TRICHLOROETHANE	ug/l		<5	<5	<5	<5					
2-CHLOROETHYLVINYL ETHER	ug/l		<10	<10	<10	<10					
BROMOFORM	ug/l		<5	<5	<5	<5					
TETRACHLOROETHENE	ug/l		<5	<5	<5	<5		<0.5	<0.5	<0.5	<0.5
1,1,2,2-TETRACHLOROETHANE	ug/l		<5	<5	<5	<5					
TOLUENE	ug/l		<5	<5	<5	<5		3	<1	<1	<1
CHLOROBENZENE	ug/l		<5	<5	<5	<5					
ETHYLBENZENE	ug/l		<5	<5	<5	<5		<1	<1	<1	<1

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-6

PARAMETER	UNITS	3/15/95	5/24/95	8/9/95	12/28/95	3/13/96	5/15/96	8/14/96	12/4/96	2/11/97	5/28/97
ALKALINITY, TOTAL	mg/l										25 7
AMMONIA NITROGEN	mg/l		44				20				
TOTAL COLIFORM	cfu/100 ml										
BIOCHEMICAL OXYGEN DEMAND	mg/l										
TOTAL ORGANIC CARBON	mg/l	12	16	13	11	8	7	16	10 6	7 2	16 0
CHEMICAL OXYGEN DEMAND	mg/l					70					
CHLORIDE	mg/l		32		46		11		17 2		22 3
CYANIDE TOTAL	mg/l										
FLUORIDE	mg/l										
ALUMINUM, TOTAL	mg/l										
ARSENIC, TOTAL	mg/l										
BARIUM, TOTAL	mg/l										
CADMIUM, TOTAL	mg/l										
CHROMIUM, TOTAL	mg/l										
IRON, TOTAL	mg/l										
LEAD, TOTAL	mg/l										
MANGANESE, TOTAL	mg/l										
MERCURY, TOTAL	mg/l										
SELENIUM, TOTAL	mg/l										
SILVER, TOTAL	mg/l										
SODIUM, TOTAL	mg/l		99 9				38 8		56 5		68.7
NITRATE NITROGEN	mg/l										
TOTAL ORGANIC HALOGENS	ug/l	7	8	7	8	6	10	13	<5	7 1	
PHENOLICS	mg/l				<0 005						
pH	standard	7 11	7.04	7 13	7 05	7 01	6 91	6 96	6.84	6.70	6.78
TOTAL DISSOLVED SOLIDS	mg/l										
SPECIFIC CONDUCTANCE	umhos/cm	1310	1680	1560	1420	1080	967	1860	1210	828	1640
SULFATE	mg/l		300		200		150				335
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l		<9				<9		<11		<9
2-CHLOROPHENOL	ug/l		<9				<9		<11		<9
2-NITROPHENOL	ug/l		<9				<9		<11		<9
2,4-DIMETHYLPHENOL	ug/l		<9				<9		<11		<9
2,4-DICHLOROPHENOL	ug/l		<9				<9		<11		<9
4-CHLORO-3-METHYLPHENOL	ug/l		<9				<9		<11		<9
2,4,6-TRICHLOROPHENOL	ug/l		<9				<9		<11		<9
2,4-DINITROPHENOL	ug/l		<23				<23		<27		<23
4-NITROPHENOL	ug/l		<23				<23		<27		<23
2-METHYL-4,6-DINITROPHENOL	ug/l		<23				<23		<27		<23
PENTACHLOROPHENOL	ug/l		<23				<23		<27		<23
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l										
BIS(2-CHLOROETHYL)ETHER	ug/l										
1,3-DICHLOROBENZENE	ug/l										
1,4-DICHLOROBENZENE	ug/l										
1,2-DICHLOROBENZENE	ug/l										
BIS(2-CHLOROISOPROPYL)ETHER	ug/l										
HEXACHLOROETHANE	ug/l										
N-NITROSODI-N-PROPYLAMINE	ug/l										
NITROBENZENE	ug/l										
ISOPHORONE	ug/l										
BIS(2-CHLOROETHOXY)METHANE	ug/l										
1,2,4-TRICHLOROBENZENE	ug/l										
NAPHTHALENE	ug/l	<10	<10	<10	<10	<13	<10	<10	<10	<28	<10
HEXACHLOROBUTADIENE	ug/l										
HEXCHLOROCYCLOPENTADIENE	ug/l										
2-CHLORONAPHTHALENE	ug/l										
ACENAPHTHYLENE	ug/l	<20	<20	20	<20	<25	<20	<20	<20	<25	<20
DIMETHYL PHTHALATE	ug/l										
2,6-DINITROTOLUENE	ug/l										
ACENAPHTHENE	ug/l	30	50	60	30	48	60	<32	<20	62	60
2,4-DINITROTOLUENE	ug/l										
FLUORENE	ug/l	11	13	14	7	11.9	15	<7	<2	17.5	15.3
DIETHYL PHTHALATE	ug/l										
4-CHLOROPHENYL PHENYL ETHER	ug/l										
N-NITROSODIPHENYLAMINE	ug/l										
1,2-DIPHENYLHYDRAZINE	ug/l										

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-6

PARAMETER	UNITS	3/15/95	5/24/95	8/9/95	12/28/95	3/13/96	5/15/96	8/14/96	12/4/96	2/11/97	5/28/97
4-BROMOPHENYL PHENYL ETHER	ug/l										
HEXACHLOROBENZENE	ug/l	<2	<2	<2	<2	<2 5	<2	<2	<2	<2 5	<2
PHENANTHRENE	ug/l	<1	<1	<1	<1	<1 3	<1	<1	<1	<1 3	<1
ANTHRACENE	ug/l										
DI-N-BUTYL PHTHALATE	ug/l	<0.5	0.9	2 1	<0 5	1 07	<0 5	<0 5	<0 5	0 74	<0 5
FLUORANTHENE	ug/l										
BENZIDINE	ug/l	<2	<2	<2	<2	<2 5	<0 1	<2	<2	<2 5	<2
PYRENE	ug/l										
BUTYL BENZYL PHTHALATE	ug/l	0.2	0.3	0 6	0 3	0 49	<0 1	<0 1	<0 1	0 28	<0 1
BENZ(A)ANTHRACENE	ug/l	<1	<1	<1	<1	<1 3	<1	<1	<1	<1 3	<1
CHRYSENE	ug/l										
3,3'-DICHLOROBENZIDINE	ug/l										
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l										
DI-N-OCTYL PHTHALATE	ug/l	<0.2	0.2	<0 2	0 3	0 44	<0 2	<0 2	<0 2	<0 25	<0 2
BENZO(B)FLUORANTHENE	ug/l	<0.1	<0.1	0 2	<0 1	0 24	<0 1	<0 1	<0.1	0 13	<0 1
BENZO(K)FLUORANTHENE	ug/l	<0.2	0.3	0 4	0 3	0 55	<0 2	<0 2	<0 2	<0 25	<0 2
BENZO(A)PYRENE	ug/l	<0.5	<0.5	<0 5	<0 5	<0 63	<0 5	<0 5	<0 5	<0 63	<0 5
INDENO(1,2,3-C,D)PYRENE	ug/l	<0.2	<0.2	<0 2	<0 2	<0 25	<0 2	<0 2	<0 2	<0 25	<0 2
DIBENZ(A,H)ANTHRACENE	ug/l	<0.5	<0.5	0 9	0 7	0 86	<0 5	<0 5	<0 5	<0 63	<0 5
BENZO(G,H,I)PERYLENE	ug/l										
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l										
VOLATILE ORGANICS:											
CHLOROMETHANE	ug/l										
BROMOMETHANE	ug/l										
VINYL CHLORIDE	ug/l										
CHLOROETHANE	ug/l										
METHYLENE CHLORIDE	ug/l										
ACROLEIN	ug/l										
ACRYLONITRILE	ug/l										
TRANS-1,3-DICHLOROPROPENE	ug/l										
CIS-1,3-DICHLOROPROPENE	ug/l										
TRICHLOROFLUOROMETHANE	ug/l										
1,1-DICHLOROETHENE	ug/l										
1,1-DICHLOROETHANE	ug/l										
1,2-DICHLOROETHENE (TOTAL)	ug/l										
CHLOROFORM	ug/l										
1,2-DICHLOROETHANE	ug/l										
1,1,1-TRICHLOROETHANE	ug/l										
CARBON TETRACHLORIDE	ug/l										
BROMODICHLOROMETHANE	ug/l										
1,2-DICHLOROPROPANE	ug/l	<0.5	<0.5	<0.5	<0 5	<0 5	<0 5	<0.5	<1	<0.5	<0.5
TRICHLOROETHENE	ug/l	<1	<1	<1	<1	3	<1	<1	<1	10	<1
BENZENE	ug/l										
DIBROMOCHLOROMETHANE	ug/l										
1,1,2-TRICHLOROETHANE	ug/l										
2-CHLOROETHYLVINYL ETHER	ug/l										
BROMOFORM	ug/l	<0.5	<0.5	<0.5	<0.5	<0 5	<0 5	<0.5	<1	<0 5	<0.5
TETRACHLOROETHENE	ug/l										
1,1,2,2-TETRACHLOROETHANE	ug/l	<1	<1	<1	<1	2	<1	<1	<1	5	<1
TOLUENE	ug/l										
CHLOROBENZENE	ug/l	<1	<1	<1	<1	2	1	<1	<1	3	<1
ETHYLBENZENE	ug/l										

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-6

PARAMETER	UNITS	8/14/97	11/19/97
ALKALINITY, TOTAL	mg/l		
AMMONIA NITROGEN	mg/l		
TOTAL COLIFORM	cfu/100 ml		
BIOCHEMICAL OXYGEN DEMAND	mg/l		
TOTAL ORGANIC CARBON	mg/l	13.3	10.8
CHEMICAL OXYGEN DEMAND	mg/l		
CHLORIDE	mg/l		18.9
CYANIDE, TOTAL	mg/l		
FLUORIDE	mg/l		
ALUMINUM, TOTAL	mg/l		
ARSENIC, TOTAL	mg/l		
BARIUM, TOTAL	mg/l		
CADMIUM, TOTAL	mg/l		
CHROMIUM, TOTAL	mg/l		
IRON, TOTAL	mg/l		
LEAD, TOTAL	mg/l		
MANGANESE, TOTAL	mg/l		
MERCURY, TOTAL	mg/l		
SELENIUM, TOTAL	mg/l		
SILVER, TOTAL	mg/l		
SODIUM, TOTAL	mg/l		59.6
NITRATE NITROGEN	mg/l		
TOTAL ORGANIC HALOGENS	ug/l	12.3	
PHENOLICS	mg/l		
pH	standard	6.95	6.84
TOTAL DISSOLVED SOLIDS	mg/l		
SPECIFIC CONDUCTANCE	umhos/cm	1560	1310
SULFATE	mg/l		473
HERBICIDES.			
2,4-D	ug/l		
2,4,5-TP	ug/l		
PESTICIDES.			
ENDRIN	ug/l		
LINDANE	ug/l		
METHOXYCHLOR	ug/l		
TOXAPHENE	ug/l		
ACID EXTRACTABLES:			
PHENOL	ug/l		<9
2-CHLOROPHENOL	ug/l		<9
2-NITROPHENOL	ug/l		<9
2,4-DIMETHYLPHENOL	ug/l		<9
2,4-DICHLOROPHENOL	ug/l		<9
4-CHLORO-3-METHYLPHENOL	ug/l		<9
2,4,6-TRICHLOROPHENOL	ug/l		<9
2,4-DINITROPHENOL	ug/l		<23
4-NITROPHENOL	ug/l		<23
2-METHYL-4,6-DINITROPHENOL	ug/l		<23
PENTACHLOROPHENOL	ug/l		<23
BASE/NEUTRAL EXTRACTABLES:			
N-NITROSODIMETHYLAMINE	ug/l		
BIS(2-CHLOROETHYL)ETHER	ug/l		
1,3-DICHLOROBENZENE	ug/l		
1,4-DICHLOROBENZENE	ug/l		
1,2-DICHLOROBENZENE	ug/l		
BIS(2-CHLOROISOPROPYL)ETHER	ug/l		
HEXACHLOROETHANE	ug/l		
N-NITROSODI-N-PROPYLAMINE	ug/l		
NITROBENZENE	ug/l		
ISOPHORONE	ug/l		
BIS(2-CHLOROETHOXY)METHANE	ug/l		
1,2,4-TRICHLOROBENZENE	ug/l		
NAPHTHALENE	ug/l	<10	5.1
HEXACHLOROBUTADIENE	ug/l		
HEXCHLOROCYCLOPENTADIENE	ug/l		
2-CHLORONAPHTHALENE	ug/l		
ACENAPHTHYLENE	ug/l	<20	<4
DIMETHYL PHTHALATE	ug/l		
2,6-DINITROTOLUENE	ug/l		
ACENAPHTHENE	ug/l	60	58
2,4-DINITROTOLUENE	ug/l		
FLUORENE	ug/l	9.9	6.97
DIETHYL PHTHALATE	ug/l		
4-CHLOROPHENYL PHENYL ETHER	ug/l		
N-NITROSODIPHENYLAMINE	ug/l		
1,2-DIPHENYLHYDRAZINE	ug/l		

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-6

PARAMETER	UNITS	8/14/97	11/19/97
4-BROMOPHENYL PHENYL ETHER	ug/l		
HEXACHLOROBENZENE	ug/l		
PHENANTHRENE	ug/l	<2	<0.65
ANTHRACENE	ug/l	<1	0.49
DI-N-BUTYL PHTHALATE	ug/l		
FLUORANTHENE	ug/l	<0.5	2.01
BENZIDINE	ug/l		
PYRENE	ug/l	<2	2.14
BUTYL BENZYL PHTHALATE	ug/l		
BENZ(A)ANTHRACENE	ug/l	0.46	0.561
CHRYSENE	ug/l	<1	0.64
3,3'-DICHLOROBENZIDINE	ug/l		
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l		
DI-N-OCTYL PHTHALATE	ug/l		
BENZO(B)FLUORANTHENE	ug/l	<0.2	0.538
BENZO(K)FLUORANTHENE	ug/l	0.20	0.269
BENZO(A)PYRENE	ug/l	0.41	0 840
INDENO(1,2,3-C,D)PYRENE	ug/l	<0.5	<0.50
DIBENZ(A,H)ANTHRACENE	ug/l	<0.2	0.246
BENZO(G,H,I)PERYLENE	ug/l	0.59	1.11
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l		
VOLATILE ORGANICS:			
CHLOROMETHANE	ug/l		
BROMOMETHANE	ug/l		
VINYL CHLORIDE	ug/l		
CHLOROETHANE	ug/l		
METHYLENE CHLORIDE	ug/l		
ACROLEIN	ug/l		
ACRYLONITRILE	ug/l		
TRANS-1,3-DICHLOROPROPENE	ug/l		
CIS-1,3-DICHLOROPROPENE	ug/l		
TRICHLOROFLUOROMETHANE	ug/l		
1,1-DICHLOROETHENE	ug/l		
1,1-DICHLOROETHANE	ug/l		
1,2-DICHLOROETHENE (TOTAL)	ug/l		
CHLOROFORM	ug/l		
1,2-DICHLOROETHANE	ug/l		
1,1,1-TRICHLOROETHANE	ug/l		
CARBON TETRACHLORIDE	ug/l		
BROMODICHLOROMETHANE	ug/l		
1,2-DICHLOROPROPANE	ug/l		
TRICHLOROETHENE	ug/l	<1	<0.5
BENZENE	ug/l	<1	<1
DIBROMOCHLOROMETHANE	ug/l		
1,1,2-TRICHLOROETHANE	ug/l		
2-CHLOROETHYLVINYL ETHER	ug/l		
BROMOFORM	ug/l		
TETRACHLOROETHENE	ug/l	<1	<0.5
1,1,2,2-TETRACHLOROETHANE	ug/l		
TOLUENE	ug/l	<1	<1
CHLOROBENZENE	ug/l		
ETHYLBENZENE	ug/l	<1	<1

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-5

PARAMETER	UNITS	4/10/85	6/26/85	10/15/85	1/23/86	4/24/86	7/29/86	10/10/86	1/8/87	4/16/87	7/17/87
ALKALINITY, TOTAL	mg/l									126	130
AMMONIA NITROGEN	mg/l									1 70	2 30
TOTAL COLIFORM	cfu/100 ml									33	60
BIOCHEMICAL OXYGEN DEMAND	mg/l									5 30	10 50
TOTAL ORGANIC CARBON	mg/l									6 80	10 10
CHEMICAL OXYGEN DEMAND	mg/l									419	15
CHLORIDE	mg/l										
CYANIDE, TOTAL	mg/l									<0 005	<0 005
FLUORIDE	mg/l									0 33	0 42
ALUMINUM, TOTAL	mg/l										
ARSENIC, TOTAL	mg/l										
BARIUM, TOTAL	mg/l										
CADMIUM, TOTAL	mg/l									<0 001	0 001
CHROMIUM, TOTAL	mg/l									9 30	<0 1
IRON, TOTAL	mg/l										
LEAD, TOTAL	mg/l									1 20	0 77
MANGANESE, TOTAL	mg/l										
MERCURY, TOTAL	mg/l										
SELENIUM, TOTAL	mg/l										
SILVER, TOTAL	mg/l									5.20	6 30
SODIUM, TOTAL	mg/l									<0 26	<0 26
NITRATE NITROGEN	mg/l									17	<10
TOTAL ORGANIC HALOGENS	ug/l									<0 005	<0 005
PHENOLICS	mg/l									6.79	6 67
pH	standard									244	242
TOTAL DISSOLVED SOLIDS	mg/l									325	346
SPECIFIC CONDUCTANCE	umhos/cm									31 90	52
SULFATE	mg/l										
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l									<10	<10
2-CHLOROPHENOL	ug/l									<10	<10
2-NITROPHENOL	ug/l									<10	<10
2,4-DIMETHYLPHENOL	ug/l									<10	<10
2,4-DICHLOROPHENOL	ug/l									<10	<10
4-CHLORO-3-METHYLPHENOL	ug/l									<10	<10
2,4,6-TRICHLOROPHENOL	ug/l									<10	<10
2,4-DINITROPHENOL	ug/l									<50	<50
4-NITROPHENOL	ug/l									<50	<50
2-METHYL-4,6-DINITROPHENOL	ug/l									<50	<50
PENTACHLOROPHENOL	ug/l									<50	<50
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l									<10	<10
BIS(2-CHLOROETHYL)ETHER	ug/l									<10	<10
1,3-DICHLOROBENZENE	ug/l									<10	<10
1,4-DICHLOROBENZENE	ug/l									<10	<10
1,2-DICHLOROBENZENE	ug/l									<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l									<10	<10
HEXACHLOROETHANE	ug/l									<10	<10
N-NITROSODI-N-PROPYLAMINE	ug/l									<10	<10
NITROBENZENE	ug/l									<10	<10
ISOPHORONE	ug/l									<10	<10
BIS(2-CHLOROETHOXY)METHANE	ug/l									<10	<10
1,2,4-TRICHLOROBENZENE	ug/l									43	15
NAPHTHALENE	ug/l									<10	<10
HEXACHLOROBUTADIENE	ug/l									<10	<10
HEXCHLOROCYCLOPENTADIENE	ug/l									<10	<10
2-CHLORONAPHTHALENE	ug/l									<10	<10
ACENAPHTHYLENE	ug/l									<10	<10
DIMETHYL PHTHALATE	ug/l									<10	<10
2,6-DINITROTOLUENE	ug/l									<10	11
ACENAPHTHENE	ug/l									<10	<10
2,4-DINITROTOLUENE	ug/l									15	14
FLUORENE	ug/l									<10	<10
DIETHYL PHTHALATE	ug/l									<10	<10
4-CHLOROPHENYL PHENYL ETHER	ug/l									<10	<10
N-NITROSODIPHENYLAMINE	ug/l									<10	<10
1,2-DIPHENYLHYDRAZINE	ug/l										

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-5

PARAMETER	UNITS	4/10/85	6/26/85	10/15/85	1/23/86	4/24/86	7/29/86	10/10/86	1/8/87	4/16/87	7/17/87
4-BROMOPHENYL PHENYL ETHER	ug/l									<10	<10
HEXACHLOROBENZENE	ug/l									<10	<10
PHENANTHRENE	ug/l									48	30
ANTHRACENE	ug/l									<10	<10
DI-N-BUTYL PHTHALATE	ug/l									<10	<10
FLUORANTHENE	ug/l									19	<10
BENZIDINE	ug/l									<10	
PYRENE	ug/l									<10	17
BUTYL BENZYL PHTHALATE	ug/l									<10	<10
BENZ(A)ANTHRACENE	ug/l									<10	<10
CHRYSENE	ug/l									<10	<10
3,3'-DICHLOROBENZIDINE	ug/l									<20	<20
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l									<10	<10
DI-N-OCTYL PHTHALATE	ug/l									<10	<10
BENZO(B)FLUORANTHENE	ug/l									<10	<10
BENZO(K)FLUORANTHENE	ug/l									<10	<10
BENZO(A)PYRENE	ug/l									<10	<10
INDENO(1,2,3-C,D)PYRENE	ug/l									<10	<10
DIBENZ(A,H)ANTHRACENE	ug/l									<10	<10
BENZO(G,H,I)PERYLENE	ug/l									<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l										
VOLATILE ORGANICS:											
CHLOROMETHANE	ug/l									<2	<2
BROMOMETHANE	ug/l									<2	<2
VINYL CHLORIDE	ug/l									<2	<2
CHLOROETHANE	ug/l									<2	<2
METHYLENE CHLORIDE	ug/l									19	<1
ACROLEIN	ug/l										
ACRYLONITRILE	ug/l									<1	<1
TRANS-1,3-DICHLOROPROPENE	ug/l									<1	<1
CIS-1,3-DICHLOROPROPENE	ug/l										
TRICHLOROFLUOROMETHANE	ug/l									<1	<1
1,1-DICHLOROETHENE	ug/l									<1	<1
1,1-DICHLOROETHANE	ug/l									<1	5 90
1,2-DICHLOROETHENE (TOTAL)	ug/l									<1	<0 1
CHLOROFORM	ug/l									<1	<1
1,2-DICHLOROETHANE	ug/l									<1	<1
1,1,1-TRICHLOROETHANE	ug/l									<1	<1
CARBON TETRACHLORIDE	ug/l									<1	<1
BROMODICHLOROMETHANE	ug/l									<1	<1
1,2-DICHLOROPROPANE	ug/l									<1	81
TRICHLOROETHENE	ug/l									<1	<1
BENZENE	ug/l									<1	<1
DIBROMOCHLOROMETHANE	ug/l									<1	<1
1,1,2-TRICHLOROETHANE	ug/l									<2	<2
2-CHLOROETHYLVINYL ETHER	ug/l									<1	<1
BROMOFORM	ug/l									<1	85
TETRACHLOROETHENE	ug/l									<1	<1
1,1,2,2-TETRACHLOROETHANE	ug/l									<1	<1
TOLUENE	ug/l									<1	<1
CHLOROBENZENE	ug/l									<1	<1
ETHYLBENZENE	ug/l										

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-DICHLOROPROPENE COULD NOT BE RESOLVED. VALUES REPORTED INDICATE THE SUM OF BOTH COMPOUNDS FO PERIOD 4/10/85 THROUGH 4/24/86.

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD NOT BE RESOLVED. VALUES REPORTED INDICATE THE SUM OF BOTH COMPOUNDS. 10/15/85.

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QUADRUPLICATE SAMPLES.

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-5

PARAMETER	UNITS	10/28/87	2/11/88	3/8/88	5/19/88	1/18/89	4/18/89	8/1/89	10/30/89	1/11/90	4/5/90
ALKALINITY, TOTAL	mg/l	145	96.0		125	113		213	151	117	122
AMMONIA NITROGEN	mg/l	2.86	0.54		4 62	0 6	145	9 30	2.50	<0 5	1 90
TOTAL COLIFORM	cfu/100 ml	>800	>8000		4200	*<10	<2 2	>16	>16	>16	<2 2
BIOCHEMICAL OXYGEN DEMAND	mg/l	27.0	15.0		8 50	<12	<12	12	<12	7 00	<12
TOTAL ORGANIC CARBON	mg/l	7 70	9.10		1 03	6 40	4 80	7 30	7 20	8 60	5 40
CHEMICAL OXYGEN DEMAND	mg/l	88.9	40.0		101	130	360	110	320	400	280
CHLORIDE	mg/l	<10	<10		<10	5	3	4	2	6	2
CYANIDE, TOTAL	mg/l	0.015	<0.009		<0 009	<0 005	<0 005	<0 005	<0 005	0 005	<0 005
FLUORIDE	mg/l	0.36	0.34		0 34	0 30	0 30	0 40	0 30	0 30	0 20
ALUMINUM, TOTAL	mg/l										
ARSENIC, TOTAL	mg/l					<0 01	<0 01	<0 01	<0 01	<0 01	<0 01
BARIUM, TOTAL	mg/l					0 20	0 20	0 20	0 10	0 10	0 20
CADMIUM, TOTAL	mg/l					<0 005	<0 005	<0 005		<0 005	<0 005
CHROMIUM, TOTAL	mg/l	0.008	0.023		<0 002	<0 05	<0 05	<0 05	<0 05	<0 05	<0 05
IRON, TOTAL	mg/l	0 7	21.0		11 60						
LEAD, TOTAL	mg/l					<0 05	<0 05	<0 05	<0 05	<0 05	<0 05
MANGANESE, TOTAL	mg/l	1.20	1.30		1 20						
MERCURY, TOTAL	mg/l					<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005
SELENIUM, TOTAL	mg/l					<0 005	<0 005	<0 005	<0 005	<0.005	<0 005
SILVER, TOTAL	mg/l					<0 01	<0 01	<0 01	<0 01	<0 01	<0 01
SODIUM, TOTAL	mg/l	7.11	6.50		4 60			8 60	5.60	4.10	4 00
NITRATE NITROGEN	mg/l	<0.21	<0 21		<0 21	0 50	<0 5	<0 05	<0 05	<0 5	<0 5
TOTAL ORGANIC HALOGENS	ug/l	64	152		158	140	56	36	22	150	130
PHENOLICS	mg/l	<0.005			<0 005						
pH	standard	6.23	6 67		6 50	6 44	6 71	6 61	6.52	6.64	6 52
TOTAL DISSOLVED SOLIDS	mg/l	247	248		206	210	210	250	110	190	190
SPECIFIC CONDUCTANCE	umhos/cm	314	281		312	310	3240	418	306	343	286
SULFATE	mg/l	23.30	47 60		41 90	57	35	17	10	51	31
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
2-NITROPHENOL	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
4-CHLORO-3-METHYLPHENOL	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	<10		<50	<50	<25	<25	<25	<25	<25	<25
4-NITROPHENOL	ug/l	<10		<50	<50	<25	<25	<25	<25	<25	<25
2-METHYL-4,6-DINITROPHENOL	ug/l	<10		<50	<50	<25	<25	<25	<25	<25	<25
PENTACHLOROPHENOL	ug/l	<10		<50	<50	<25	<25	<25	<25	<25	<25
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
BIS(2-CHLOROETHYL)ETHER	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
1,3-DICHLOROBENZENE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
1,4-DICHLOROBENZENE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
1,2-DICHLOROBENZENE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
HEXACHLOROETHANE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
N-NITROSODI-N-PROPYLAMINE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
NITROBENZENE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
ISOPHORONE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
BIS(2-CHLOROETHOXY)METHANE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
1,2,4-TRICHLOROBENZENE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
NAPHTHALENE	ug/l	28		16	11	30	20	15	123	49	34
HEXACHLOROBUTADIENE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
HEXCHLOROCYCLOPENTADIENE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
2-CHLORONAPHTHALENE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
ACENAPHTHYLENE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
DIMETHYL PHTHALATE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
2,6-DINITROTOLUENE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
ACENAPHTHENE	ug/l	27		12	<10	20	10	18	60	34	22
2,4-DINITROTOLUENE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
FLUORENE	ug/l	24		10	<10	20	10	11	57	34	22
DIETHYL PHTHALATE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
4-CHLOROPHENYL PHENYL ETHER	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
N-NITROSODIPHENYLAMINE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
1,2-DIPHENYLHYDRAZINE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-5

PARAMETER	UNITS	10/28/87	2/11/88	3/8/88	5/19/88	1/18/89	4/18/89	8/1/89	10/30/89	1/11/90	4/5/90
4-BROMOPHENYL PHENYL ETHER	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
HEXACHLOROBENZENE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
PHENANTHRENE	ug/l	41		38	<10	70	30	11	184	98	71
ANTHRACENE	ug/l	12		10	<10	20	<10	<10	52	33	23
DI-N-BUTYL PHTHALATE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
FLUORANTHENE	ug/l	20		14	<10	50	20	<10	108	71	42
BENZIDINE	ug/l	<20		<20	<20	<25	<25	<25	<25	<25	<25
PYRENE	ug/l	20		32	<10	50	20	<10	86	60	48
BUTYL BENZYL PHTHALATE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
BENZ(A)ANTHRACENE	ug/l	<10		<10	<10	20	<10	<10	40	19	16
CHRYSENE	ug/l	<10		<10	<10	20	10	<10	48	22	18
3,3'-DICHLOROBENZIDINE	ug/l	<20		<10	<20	<25	<25	<25	<25	<25	<25
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
DI-N-OCTYL PHTHALATE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
BENZO(B)FLUORANTHENE	ug/l	<10		<10	<10	20	<10	<10	27	12	<10
BENZO(K)FLUORANTHENE	ug/l	<10		<10	<10	<10	<10	<10	22	<10	<10
BENZO(A)PYRENE	ug/l	<10		<10	<10	10	<10	<10	30	12	11
INDENO(1,2,3-C,D)PYRENE	ug/l	<10		<10	<10	<10	<10	<10	11	<10	<10
DIBENZ(A,H)ANTHRACENE	ug/l	<10		<10	<10	<10	<10	<10	<10	<10	<10
BENZO(G,H,I)PERYLENE	ug/l	<10		<10	<10	<10	<10	<10	14	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l	<10		<10	<10						
VOLATILE ORGANICS:											
CHLOROMETHANE	ug/l	<2	<2		<2	<10	<10	<10	<10	<10	<10
BROMOMETHANE	ug/l	<2	<2		<2	<10	<10	<10	<10	<10	<10
VINYL CHLORIDE	ug/l	<2	<2		<2	<10	<10	<10	<10	<10	<10
CHLOROETHANE	ug/l	<2	<2		<2	<10	<10	<10	<10	<10	<10
METHYLENE CHLORIDE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
ACROLEIN	ug/l					<100	<100	<100	<100	<100	<100
ACRYLONITRILE	ug/l					<100	<100	<100	<100	<100	<100
TRANS-1,3-DICHLOROPROPENE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
TRICHLOROFLUOROMETHANE	ug/l				<1	<5	<5	<5	<5	<5	<5
1,1-DICHLOROETHENE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
1,1-DICHLOROETHANE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
1,2-DICHLOROETHENE (TOTAL)	ug/l	10	8		6	14	9	40	32	11	17
CHLOROFORM	ug/l	<1	<1		<2	<5	<5	<5	<5	<5	<5
1,2-DICHLOROETHANE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
CARBON TETRACHLORIDE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
BROMODICHLOROMETHANE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
1,2-DICHLOROPROPANE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
TRICHLOROETHENE	ug/l	55	39		11	91	20	8	<5	36	36
BENZENE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
DIBROMOCHLOROMETHANE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
2-CHLOROETHYLVINYL ETHER	ug/l	<1	<2		<1	<10	<10	<10	<10	<10	<10
BROMOFORM	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
TETRACHLOROETHENE	ug/l	41	28		19	140	44	<5	<5	150	110
1,1,2,2-TETRACHLOROETHANE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
TOLUENE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
CHLOROBENZENE	ug/l	<1	<1		<1	<5	<5	<5	<5	<5	<5
ETHYLBENZENE	ug/l	<1	<1		1	<5	<5	<5	<5	<5	<5

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D R
PERIOD 4/10/85 THROUGH 4/24/86.

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-5

PARAMETER	UNITS	7/10/90	10/11/90	1/8/91	2/20/91	5/2/91	7/18/91	10/25/91	1/16/92	4/16/92	8/13/92
ALKALINITY, TOTAL	mg/l	197	157	141		101	116	159	176	125	236
AMMONIA NITROGEN	mg/l	10.30	4.00	1.00		1 20	2.70	3 00	4 70	3	:0
TOTAL COLIFORM	cfu/100 ml	9.20	<2.2	2.20		9 20	>16	>16	<2.2	<2 2	<2 2
BIOCHEMICAL OXYGEN DEMAND	mg/l		13.00	29.00		7 00	11 00	11.00	10	15 00	17 00
TOTAL ORGANIC CARBON	mg/l	10.00	4.20	11.00	* 3 6	3 60	4 50	6 00	3.10	4 70	5 60
CHEMICAL OXYGEN DEMAND	mg/l	660	320	4130		100	110	120	90	60 00	100 00
CHLORIDE	mg/l	4	3	5		3	3	3	3	3 00	4 00
CYANIDE, TOTAL	mg/l	<0.005	<0.005	0.007		<0 005	<0 005	<0.005	<0 005	<0 005	0 006
FLUORIDE	mg/l	0.30	0.20	0.10		0 30	0 30	0.30	0 30	0 30	0 30
ALUMINUM, TOTAL	mg/l										
ARSENIC, TOTAL	mg/l	0.01	0.01	0.01			0 09	0 08	<0 01	<0 01	
BARIUM, TOTAL	mg/l	0.20	<0.2	<0.2			0 40	0.50	<0.1	<0 2	
CADMIUM, TOTAL	mg/l	<0.005	<0.005	<0.005			<0 005	<0.005	<0 005	<0 005	
CHROMIUM, TOTAL	mg/l	<0.05	<0.05	<0.05			0 27	0.30	<0 05	<0 05	
IRON, TOTAL	mg/l										
LEAD, TOTAL	mg/l	<0.05	<0.05	<0 05			0.36	0 55	<0 05	<0 05	
MANGANESE, TOTAL	mg/l										
MERCURY, TOTAL	mg/l	<0.0005	<0.0005	<0 0005			0 0033	0.0038	<0 0005	<0 0002	
SELENIUM, TOTAL	mg/l	<0.005	<0.005	<0.005			0.006	<0.005	<0.005	<0 005	
SILVER, TOTAL	mg/l	<0.01	<0.01	<0 01			<0 01	<0.01	<0.01	<0 01	
SODIUM, TOTAL	mg/l	6.10	4.00	6 20			5 00	3.60	5.30	8 10	
NITRATE NITROGEN	mg/l	<0.5	<0.5	<0 5		<0 5	<0 5	<0.5	<0 5	<0 5	<0 5
TOTAL ORGANIC HALOGENS	ug/l	27	21	53	* 20 5	48	52	32	7	19 00	17 00
PHENOLICS	mg/l										
pH	standard	6.43	6.41	6.33	* 6 4	6 53	6 53	6.46	6 45	6 66	6 51
TOTAL DISSOLVED SOLIDS	mg/l	210	210	200		150	200	260	170	190 00	230 00
SPECIFIC CONDUCTANCE	umhos/cm	454	328	293	* 267	253	292	368	380	330.00	533 00
SULFATE	mg/l	9	4	24		16	19	16	11	23.00	7 00
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
2-NITROPHENOL	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
4-CHLORO-3-METHYLPHENOL	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	<25	<25	<250		<25	<25	<25	<25	<25	<25
4-NITROPHENOL	ug/l	<25	<25	<250		<25	<25	<25	<25	<25	<25
2-METHYL-4,6-DINITROPHENOL	ug/l	<25	<25	<250		<25	<25	<25	<25	<25	<25
PENTACHLOROPHENOL	ug/l	<25	<25	<250		<25	<25	<50	<50	<50	<50
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
BIS(2-CHLOROETHYL)ETHER	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
1,3-DICHLOROBENZENE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
1,4-DICHLOROBENZENE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
1,2-DICHLOROBENZENE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
HEXACHLOROETHANE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
N-NITROSODI-N-PROPYLAMINE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
NITROBENZENE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
ISOPHORONE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
BIS(2-CHLOROETHOXY)METHANE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
1,2,4-TRICHLOROBENZENE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
NAPHTHALENE	ug/l	96	49	170		<10	55	78	36	<10	57.00
HEXACHLOROBUTADIENE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
HEXCHLOROCYCLOPENTADIENE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
2-CHLORONAPHTHALENE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
ACENAPHTHYLENE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
DIMETHYL PHTHALATE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
2,6-DINITROTOLUENE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
ACENAPHTHENE	ug/l	63	36	110		<10	38	66	36	<10	53.00
2,4-DINITROTOLUENE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
FLUORENE	ug/l	42	34	120		<10	46	65	35	<10	34.00
DIETHYL PHTHALATE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
4-CHLOROPHENYL PHENYL ETHER	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
N-NITROSODIPHENYLAMINE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-5

PARAMETER	UNITS	7/10/90	10/11/90	1/8/91	2/20/91	5/2/91	7/18/91	10/25/91	1/16/92	4/16/92	8/13/92
4-BROMOPHENYL PHENYL ETHER	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
HEXACHLOROBENZENE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
PHENANTHRENE	ug/l	103	77	480		<10	118	218	107	20 00	83 00
ANTHRACENE	ug/l	30	21	120		<10	40	56	32	<10	22 00
DI-N-BUTYL PHTHALATE	ug/l	<10	<10	<100		<10	69	<10	<10	18 00	<10
FLUORANTHENE	ug/l	63	41	340		<10	<10	102	68	13 00	37 00
BENZIDINE	ug/l	<25	<25	<250		<25	<25	<100	<100	<100	<100
PYRENE	ug/l	70	40	240		<10	66	105	80	14 00	42 00
BUTYL BENZYL PHTHALATE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
BENZ(A)ANTHRACENE	ug/l	26	13	<100		<10	27 00	34	23	<10	11 00
CHRYSENE	ug/l	28	16	<100		<10	31 00	35	24	<10	12.00
3,3'-DICHLOROBENZIDINE	ug/l	<25	<25	<250		<25	<25	<20	<20	<20	<20
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
BENZO(B)FLUORANTHENE	ug/l	20	10	<100		<10	15	28	13	<10	<10
BENZO(K)FLUORANTHENE	ug/l	<10	<10	<100		<10	14	<10	11	<10	<10
BENZO(A)PYRENE	ug/l	16	<10	<100		<10	16	<10	15	<10	<10
INDENO(1,2,3-C,D)PYRENE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
DIBENZ(A,H)ANTHRACENE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
BENZO(G,H,I)PERYLENE	ug/l	<10	<10	<100		<10	<10	<10	<10	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l										
VOLATILE ORGANICS:											
CHLOROMETHANE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BROMOMETHANE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
VINYL CHLORIDE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
CHLOROETHANE	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
METHYLENE CHLORIDE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
ACROLEIN	ug/l	<100	<100	<100		<100	<100	<100	<100	<100	<100
ACRYLONITRILE	ug/l	<100	<100	<100		<100	<100	<100	<100	<100	<100
TRANS-1,3-DICHLOROPROPENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
TRICHLOROFLUOROMETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1-DICHLOROETHENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1-DICHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,2-DICHLOROETHENE (TOTAL)	ug/l	24	26	76		20	59	35	9	10	23
CHLOROFORM	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,2-DICHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
CARBON TETRACHLORIDE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
BROMODICHLOROMETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,2-DICHLOROPROPANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
TRICHLOROETHENE	ug/l	<5	<5	75		22	12	<5	<5	<5	<5
BENZENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
DIBROMOCHLOROMETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
2-CHLOROETHYLVINYL ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10	<10	<10
BROMOFORM	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
TETRACHLOROETHENE	ug/l	7	49	20		23	17	<5	<5	8.00	<5
1,1,2,2-TETRACHLOROETHANE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
TOLUENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
CHLOROBENZENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5
ETHYLBENZENE	ug/l	<5	<5	<5		<5	<5	<5	<5	<5	<5

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
PERIOD 4/10/85 THROUGH 4/24/86.

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

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PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-5

PARAMETER	UNITS	8/31/92	11/5/92	1/28/93	5/5/93	7/27/93	11/17/93	3/15/94	5/10/94	9/8/94	11/17/94
ALKALINITY, TOTAL	mg/l		153	146	121	273 00	149				
AMMONIA NITROGEN	mg/l		3	4	5	21 00	3	<1	1	18	
TOTAL COLIFORM	cfu/100 ml		<2.2	<2.2	5 20	<2 2	9				
BIOCHEMICAL OXYGEN DEMAND	mg/l		15.00	10	15	16 00	9				
TOTAL ORGANIC CARBON	mg/l		7.40	3.80	4 80	8 50	6	8	5	8	8
CHEMICAL OXYGEN DEMAND	mg/l		270.00	140	80	530 00	250				
CHLORIDE	mg/l		3.00	3	3	4 00	3	2			4
CYANIDE, TOTAL	mg/l		<0.005	<0.005	<0 005	<0 005	<0 005				
FLUORIDE	mg/l		0.30	0.30	0 30	0 40	0 30				
ALUMINUM, TOTAL	mg/l										
ARSENIC, TOTAL	mg/l	0.05	0.05	0.072	0 027	0 05	0 0905				
BARIUM, TOTAL	mg/l	0.30	0.30	0.40	0 10	0 29	0 46				
CADMIUM, TOTAL	mg/l	<0.01	<0.01	<0.01	<0 01	<0 01	0 012				
CHROMIUM, TOTAL	mg/l	0.20	0.17	0.23	<0.05	0 134	0 329				
IRON, TOTAL	mg/l										
LEAD, TOTAL	mg/l	0.30	0.20	0.30	<0.1	0 18	0 56				
MANGANESE, TOTAL	mg/l										
MERCURY, TOTAL	mg/l	0.0023	0.0023	0.0021	0.0012	0 00181	0 00379				
SELENIUM, TOTAL	mg/l		<0.01	0.003	0.002	<0 010	0.0066				
SILVER, TOTAL	mg/l	0.14	<0.02	<0.02	<0 02	<0 02	<0 020				
SODIUM, TOTAL	mg/l	6.20	4.00	5.10	3 70	7 89	10 80	2.13			
NITRATE NITROGEN	mg/l		<0.5	<0 5	<0 5	<0 5	<0 5				
TOTAL ORGANIC HALOGENS	ug/l		60.00	14	21	21 00	24	350	130	33	40
PHENOLICS	mg/l										
pH	standard		6.57	6 57	6.69	6 57	6.32	6 70	6.61	6.55	6 42
TOTAL DISSOLVED SOLIDS	mg/l		230.00	190.00	160	260 00	220				
SPECIFIC CONDUCTANCE	umhos/cm		472.00	389.00	297	599 00	386	203	267	460	429
SULFATE	mg/l		25.00	23.00	14	4 00	29	27			3
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l		<10	<10	<10	<10	<10	<10			<9
2-CHLOROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<9
2-NITROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<9
2,4-DIMETHYLPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<9
2,4-DICHLOROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<9
4-CHLORO-3-METHYLPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<9
2,4,6-TRICHLOROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<9
2,4-DINITROPHENOL	ug/l		<25	<25	<25	<25	<25	<25			<24
4-NITROPHENOL	ug/l		<25	<25	<25	<25	<25	<25			<24
2-METHYL-4,6-DINITROPHENOL	ug/l		<25	<25	<25	<25	<25	<25			<24
PENTACHLOROPHENOL	ug/l		<50	<50	<50	<25	<25	<25			<24
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l		<10	<10	<10	<10	<10				
BIS(2-CHLOROETHYL)ETHER	ug/l		<10	<10	<10	<10	<10				
1,3-DICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
1,4-DICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
1,2-DICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
BIS(2-CHLOROISOPROPYL)ETHER	ug/l		<10	<10	<10	<10	<10				
HEXACHLOROETHANE	ug/l		<10	<10	<10	<10	<10				
N-NITROSODI-N-PROPYLAMINE	ug/l		<10	<10	<10	<10	<10				
NITROBENZENE	ug/l		<10	<10	<10	<10	<10				
ISOPHORONE	ug/l		<10	<10	<10	<10	<10				
BIS(2-CHLOROETHOXY)METHANE	ug/l		<10	<10	<10	<10	<10				
1,2,4-TRICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
NAPHTHALENE	ug/l		45.00	11	14	83	15.00	<10	<10	<40	<40
HEXACHLOROBUTADIENE	ug/l		<10	<10	<10	<10	<10				
HEXCHLOROCYCLOPENTADIENE	ug/l		<10	<10	<10	<10	<10				
2-CHLORONAPHTHALENE	ug/l		<10	<10	<10	<10	<10				
ACENAPHTHYLENE	ug/l		<10	<10	<10	<10	<10	<20	<20	<20	<20
DIMETHYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
2,6-DINITROTOLUENE	ug/l		<10	<10	<10	<10	<10				
ACENAPHTHENE	ug/l		40.00	11	10	79	18.00	<20	<20	30	30
2,4-DINITROTOLUENE	ug/l		<10	<10	<10	<10	<10				
FLUORENE	ug/l		36.00	11	<10	66	13.00	<2	<2	19	19
DIETHYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
4-CHLOROPHENYL PHENYL ETHER	ug/l		<10	<10	<10	<10	<10				
N-NITROSODIPHENYLAMINE	ug/l		<10	<10	<10	<10	<10				
1,2-DIPHENYLHYDRAZINE	ug/l		<10	<10	<10	<10	<10				

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-5

PARAMETER	UNITS	8/31/92	11/5/92	1/28/93	5/5/93	7/27/93	11/17/93	3/15/94	5/10/94	9/8/94	11/17/94
4-BROMOPHENYL PHENYL ETHER	ug/l		<10	<10	<10	<10	<10				
HEXACHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
PHENANTHRENE	ug/l		94 00	23	21	120	27 00	<2	3	19	20
ANTHRACENE	ug/l		33.00	<10	<10	39 00	<10	<1	1	4	4
DI-N-BUTYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
FLUORANTHENE	ug/l		61 00	19	18	75 00	21 00	1 7	3 4	7	4 0
BENZIDINE	ug/l		<100	<100	<100	<100	<100				
PYRENE	ug/l		50.00	23	18	68 00	19 00	<2	4	6	3
BUTYL BENZYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
BENZ(A)ANTHRACENE	ug/l		17.00	<10	<10	27 00	<10	0 6	1 4	2	1
CHRYSENE	ug/l		20.00	<10	<10	35 00	<10	<1	1	2	<1
3,3-DICHLOROBENZIDINE	ug/l		<20	<20	<20	<20	<20				
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l		<10	<10	<10	<10	<10				
DI-N-OCTYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
BENZO(B)FLUORANTHENE	ug/l		14.00	<10	<10	15 00	<10	<0 5	<1	<0 8	<0 3
BENZO(K)FLUORANTHENE	ug/l		<10	<10	<10	16 00	<10	0 2	0 4	0 4	<0 2
BENZO(A)PYRENE	ug/l		11.00	<10	<10	19 00	<10	0 5	1 0	<3	0 3
INDENO(1,2,3-C,D)PYRENE	ug/l		<10	<10	<10	<10	<10	<0.5	<0 5	0 6	<0 5
DIBENZ(A,H)ANTHRACENE	ug/l		<10	<10	<10	<10	<10	<0 2	<0 5	<0 2	<0 2
BENZO(G,H,I)PERYLENE	ug/l		<10	<10	<10	<10	<10	0.8	<1	<2	<0 5
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l										
VOLATILE ORGANICS											
CHLOROMETHANE	ug/l		<10	<10	<10	<10					
BROMOMETHANE	ug/l		<10	<10	<10	<10					
VINYL CHLORIDE	ug/l		<10	<10	<10	<10					
CHLOROETHANE	ug/l		<10	<10	<10	<10					
METHYLENE CHLORIDE	ug/l		<5	<5	<5	<5					
ACROLEIN	ug/l		<100	<100	<100	<100					
ACRYLONITRILE	ug/l		<100	<100	<100	<100					
TRANS-1,3-DICHLOROPROPENE	ug/l		<5	<5	<5	<5					
CIS-1,3-DICHLOROPROPENE	ug/l		<5	<5	<5	<5					
TRICHLOROFLUOROMETHANE	ug/l		<5	<5	<5	<5					
1,1-DICHLOROETHENE	ug/l		<5	<5	<5	<5					
1,1-DICHLOROETHANE	ug/l		<5	<5	<5	<5					
1,2-DICHLOROETHENE (TOTAL)	ug/l		37	11	23	22					
CHLOROFORM	ug/l		<5	<5	<5	<5					
1,2-DICHLOROETHANE	ug/l		<5	<5	<5	<5					
1,1,1-TRICHLOROETHANE	ug/l		<5	<5	<5	<5					
CARBON TETRACHLORIDE	ug/l		<5	<5	<5	<5					
BROMODICHLOROMETHANE	ug/l		<5	<5	<5	<5					
1,2-DICHLOROPROPANE	ug/l		<5	<5	<5	<5					
TRICHLOROETHENE	ug/l		20.00	<5	<5	<5		15	54	<0.5	<0.5
BENZENE	ug/l		<5	<5	<5	<5		<1	<1	<1	1
DIBROMOCHLOROMETHANE	ug/l		<5	<5	<5	<5					
1,1,2-TRICHLOROETHANE	ug/l		<5	<5	<5	<5					
2-CHLOROETHYLVINYL ETHER	ug/l		<10	<10	<10	<10					
BROMOFORM	ug/l		<5	<5	<5	<5					
TETRACHLOROETHENE	ug/l		8.00	<5	5	5		520	140	<0.5	<0.5
1,1,2,2-TETRACHLOROETHANE	ug/l		<5	<5	<5	<5					
TOLUENE	ug/l		<5	<5	<5	<5		<1	<1	<1	<1
CHLOROBENZENE	ug/l		<5	<5	<5	<5					
ETHYLBENZENE	ug/l		<5	<5	<5	<5		<1	<1	4	11

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
PERIOD 4/10/85 THROUGH 4/24/86.

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-5

PARAMETER	UNITS	3/15/95	5/24/95	8/9/95	12/28/95	3/13/96	5/15/96	8/14/96	12/4/96	2/11/97	5/28/97
ALKALINITY, TOTAL	mg/l						1		1		2 6
AMMONIA NITROGEN	mg/l		7								
TOTAL COLIFORM	cfu/100 ml										
BIOCHEMICAL OXYGEN DEMAND	mg/l						9	10	9	4 3	5.1
TOTAL ORGANIC CARBON	mg/l	9	6	14	5	<50					
CHEMICAL OXYGEN DEMAND	mg/l								4		1 4
CHLORIDE	mg/l		3		6						
CYANIDE, TOTAL	mg/l										
FLUORIDE	mg/l										
ALUMINUM, TOTAL	mg/l										
ARSENIC, TOTAL	mg/l										
BARIUM, TOTAL	mg/l										
CADMIUM, TOTAL	mg/l										
CHROMIUM, TOTAL	mg/l										
IRON, TOTAL	mg/l										
LEAD, TOTAL	mg/l										
MANGANESE, TOTAL	mg/l										
MERCURY, TOTAL	mg/l										
SELENIUM, TOTAL	mg/l										
SILVER, TOTAL	mg/l						2 89				3 05
SODIUM, TOTAL	mg/l		7 79								
NITRATE NITROGEN	mg/l										
TOTAL ORGANIC HALOGENS	ug/l	130	22	23	36	71	53	200	53	95	40
PHENOLICS	mg/l				<0 005						
pH	standard	6.73	6 55	6 53	6 29	6 39	6 82	6 34	6.82	6.60	6 76
TOTAL DISSOLVED SOLIDS	mg/l										
SPECIFIC CONDUCTANCE	umhos/cm	240	387	754	269	293	298	412	298	392	285
SULFATE	mg/l		7		30				23		20 4
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l		<10				<9		<9		<9
2-CHLOROPHENOL	ug/l		<10				<9		<9		<9
2-NITROPHENOL	ug/l		<10				<9		<9		<9
2,4-DIMETHYLPHENOL	ug/l		<10				<9		<9		<9
2,4-DICHLOROPHENOL	ug/l		<10				<9		<9		<9
4-CHLORO-3-METHYLPHENOL	ug/l		<10				<9		<9		<9
2,4,6-TRICHLOROPHENOL	ug/l		<10				<9		<9		<9
2,4-DINITROPHENOL	ug/l		<24				<24		<24		<24
4-NITROPHENOL	ug/l		<24				<24		<24		<24
2-METHYL-4,6-DINITROPHENOL	ug/l		<24				<24		<24		<24
PENTACHLOROPHENOL	ug/l		<24				<24		<24		<24
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l										
BIS(2-CHLOROETHYL)ETHER	ug/l										
1,3-DICHLOROBENZENE	ug/l										
1,4-DICHLOROBENZENE	ug/l										
1,2-DICHLOROBENZENE	ug/l										
BIS(2-CHLOROISOPROPYL)ETHER	ug/l										
HEXACHLOROETHANE	ug/l										
N-NITROSODI-N-PROPYLAMINE	ug/l										
NITROBENZENE	ug/l										
ISOPHORONE	ug/l										
BIS(2-CHLOROETHOXY)METHANE	ug/l										
1,2,4-TRICHLOROBENZENE	ug/l										
NAPHTHALENE	ug/l	<10		<10	<10	<13	<10	<10	<10	<13	<10
HEXACHLOROBUTADIENE	ug/l										
HEXCHLOROCYCLOPENTADIENE	ug/l										
2-CHLORONAPHTHALENE	ug/l										
ACENAPHTHYLENE	ug/l	<20		<20	<20	<25	<20	<20	<20	<25	<20
DIMETHYL PHTHALATE	ug/l										
2,6-DINITROTOLUENE	ug/l										
ACENAPHTHENE	ug/l	<20		80	<20	<25	<20	<20	<20	<25	<20
2,4-DINITROTOLUENE	ug/l										
FLUORENE	ug/l	<2		43	<2	<2.5	<2	<8	<2	<2.5	<2
DIETHYL PHTHALATE	ug/l										
4-CHLOROPHENYL PHENYL ETHER	ug/l										
N-NITROSODIPHENYLAMINE	ug/l										
1,2-DIPHENYLHYDRAZINE	ug/l										

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-5

PARAMETER	UNITS	3/15/95	5/24/95	8/9/95	12/28/95	3/13/96	5/15/96	8/14/96	12/4/96	2/11/97	5/28/97
4-BROMOPHENYL PHENYL ETHER	ug/l										
HEXACHLOROBENZENE	ug/l										
PHENANTHRENE	ug/l	<2		50	<2	<2 5	<2	<2	<2	<2.5	<2
ANTHRACENE	ug/l	<1		9	<1	<1 3	<1	<1	<1	<1 3	<1
DI-N-BUTYL PHTHALATE	ug/l										
FLUORANTHENE	ug/l	1.5		12 0	1 5	0 78	<0 5	<2	<0 5	<0 63	0 59
BENZIDINE	ug/l										
PYRENE	ug/l	<2		10	<2	<2 5	<2	<2	<2	<2 5	<2
BUTYL BENZYL PHTHALATE	ug/l										
BENZ(A)ANTHRACENE	ug/l	0.4		2 4	0 4	0 25	0 1	0 1	0.1	<0 13	0.11
CHRYSENE	ug/l	<1		2	<1	<1 3	<1	<1	<1	<1 3	<1
3,3'-DICHLOROBENZIDINE	ug/l										
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l										
DI-N-OCTYL PHTHALATE	ug/l										
BENZO(B)FLUORANTHENE	ug/l	<0.2		<0 2	0 2	<0 25	<0 2	<0.2	<0 2	<0 25	<0 2
BENZO(K)FLUORANTHENE	ug/l	<0.1		0 6	<0 1	<0 13	<0 1	<0 1	<0.1	<0 13	<0 1
BENZO(A)PYRENE	ug/l	<0.2		1 3	0 3	<0 25	<0 2	<0.2	<0 2	<0 25	<0 2
INDENO(1,2,3-C,D)PYRENE	ug/l	<0.5		0 8	<0 5	<0 63	<0 5	<0 5	<0 5	<0 63	<0.5
DIBENZ(A,H)ANTHRACENE	ug/l	<0.2		<0 2	<0 2	<0 25	<0 2	<0 2	<0.2	<0 25	<0.2
BENZO(G,H,I)PERYLENE	ug/l	<0.5		<0 5	0 6	<0 63	<0 5	<0.5	<0 5	<0 63	<0.5
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l										
VOLATILE ORGANICS:											
CHLOROMETHANE	ug/l										
BROMOMETHANE	ug/l										
VINYL CHLORIDE	ug/l										
CHLOROETHANE	ug/l										
METHYLENE CHLORIDE	ug/l										
ACROLEIN	ug/l										
ACRYLONITRILE	ug/l										
TRANS-1,3-DICHLOROPROPENE	ug/l										
CIS-1,3-DICHLOROPROPENE	ug/l										
TRICHLOROFLUOROMETHANE	ug/l										
1,1-DICHLOROETHENE	ug/l										
1,1-DICHLOROETHANE	ug/l										
1,2-DICHLOROETHENE (TOTAL)	ug/l										
CHLOROFORM	ug/l										
1,2-DICHLOROETHANE	ug/l										
1,1,1-TRICHLOROETHANE	ug/l										
CARBON TETRACHLORIDE	ug/l										
BROMODICHLOROMETHANE	ug/l										
1,2-DICHLOROPROPANE	ug/l										
TRICHLOROETHENE	ug/l	99	<1	<0.5	13	33	27	120	27	43	7.1
BENZENE	ug/l	<1	<0.5	<1	<1	<1	<1	<2	<1	<1	<1
DIBROMOCHLOROMETHANE	ug/l										
1,1,2-TRICHLOROETHANE	ug/l										
2-CHLOROETHYLVINYL ETHER	ug/l										
BROMOFORM	ug/l										
TETRACHLOROETHENE	ug/l	62	<0.5	<0.5	0.8	55	12	110	12	14	2.5
1,1,2,2-TETRACHLOROETHANE	ug/l										
TOLUENE	ug/l	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1
CHLOROBENZENE	ug/l										
ETHYLBENZENE	ug/l	<1	<1	4	2	<1	<1	<2	<1	<1	<1

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
PERIOD 4/10/85 THROUGH 4/24/86.

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-5

PARAMETER	UNITS	8/14/97	11/19/97
ALKALINITY, TOTAL	mg/l		
AMMONIA NITROGEN	mg/l		
TOTAL COLIFORM	cfu/100 ml		
BIOCHEMICAL OXYGEN DEMAND	mg/l		
TOTAL ORGANIC CARBON	mg/l	12.3	8.5
CHEMICAL OXYGEN DEMAND	mg/l		
CHLORIDE	mg/l		9.8
CYANIDE, TOTAL	mg/l		
FLUORIDE	mg/l		
ALUMINUM, TOTAL	mg/l		
ARSENIC, TOTAL	mg/l		
BARIUM, TOTAL	mg/l		
CADMIUM, TOTAL	mg/l		
CHROMIUM, TOTAL	mg/l		
IRON, TOTAL	mg/l		
LEAD, TOTAL	mg/l		
MANGANESE, TOTAL	mg/l		
MERCURY, TOTAL	mg/l		
SELENIUM, TOTAL	mg/l		
SILVER, TOTAL	mg/l		
SODIUM, TOTAL	mg/l		2.73
NITRATE NITROGEN	mg/l		
TOTAL ORGANIC HALOGENS	ug/l	24	28
PHENOLICS	mg/l		
pH	standard	6.50	6.89
TOTAL DISSOLVED SOLIDS	mg/l		
SPECIFIC CONDUCTANCE	umhos/cm	532	473
SULFATE	mg/l		51.5
HERBICIDES:			
2,4-D	ug/l		
2,4,5-TP	ug/l		
PESTICIDES:			
ENDRIN	ug/l		
LINDANE	ug/l		
METHOXYCHLOR	ug/l		
TOXAPHENE	ug/l		
ACID EXTRACTABLES:			
PHENOL	ug/l		<9
2-CHLOROPHENOL	ug/l		<9
2-NITROPHENOL	ug/l		<9
2,4-DIMETHYLPHENOL	ug/l		<9
2,4-DICHLOROPHENOL	ug/l		<9
4-CHLORO-3-METHYLPHENOL	ug/l		<9
2,4,6-TRICHLOROPHENOL	ug/l		<9
2,4-DINITROPHENOL	ug/l		<23
4-NITROPHENOL	ug/l		<23
2-METHYL-4,6-DINITROPHENOL	ug/l		<23
PENTACHLOROPHENOL	ug/l		<23
BASE/NEUTRAL EXTRACTABLES:			
N-NITROSODIMETHYLAMINE	ug/l		
BIS(2-CHLOROETHYL)ETHER	ug/l		
1,3-DICHLOROBENZENE	ug/l		
1,4-DICHLOROBENZENE	ug/l		
1,2-DICHLOROBENZENE	ug/l		
BIS(2-CHLOROISOPROPYL)ETHER	ug/l		
HEXACHLOROETHANE	ug/l		
N-NITROSODI-N-PROPYLAMINE	ug/l		
NITROBENZENE	ug/l		
ISOPHORONE	ug/l		
BIS(2-CHLOROETHOXY)METHANE	ug/l		
1,2,4-TRICHLOROBENZENE	ug/l		
NAPHTHALENE	ug/l	<20	<2
HEXACHLOROBUTADIENE	ug/l		
HEXCHLOROCYCLOPENTADIENE	ug/l		
2-CHLORONAPHTHALENE	ug/l		
ACENAPHTHYLENE	ug/l	<20	13.9
DIMETHYL PHTHALATE	ug/l		
2,6-DINITROTOLUENE	ug/l		
ACENAPHTHENE	ug/l	50	22
2,4-DINITROTOLUENE	ug/l		
FLUORENE	ug/l	20.7	12.0
DIETHYL PHTHALATE	ug/l		
4-CHLOROPHENYL PHENYL ETHER	ug/l		
N-NITROSODIPHENYLAMINE	ug/l		
1,2-DIPHENYLHYDRAZINE	ug/l		

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-5

PARAMETER	UNITS	8/14/97	11/19/97
4-BROMOPHENYL PHENYL ETHER	ug/l		
HEXACHLOROBENZENE	ug/l		
PHENANTHRENE	ug/l	8.6	3.06
ANTHRACENE	ug/l	2.8	1.70
DI-N-BUTYL PHTHALATE	ug/l		
FLUORANTHENE	ug/l	<0.5	2.81
BENZIDINE	ug/l		
PYRENE	ug/l	2.5	2.18
BUTYL BENZYL PHTHALATE	ug/l		
BENZ(A)ANTHRACENE	ug/l	0.56	0.300
CHRYSENE	ug/l	<1	0.29
3,3'-DICHLOROBENZIDINE	ug/l		
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l		
DI-N-OCTYL PHTHALATE	ug/l		
BENZO(B)FLUORANTHENE	ug/l	<0.2	<0.090
BENZO(K)FLUORANTHENE	ug/l	0.14	<0.080
BENZO(A)PYRENE	ug/l	0.35	<0.10
INDENO(1,2,3-C,D)PYRENE	ug/l	<0.50	<0.20
DIBENZ(A,H)ANTHRACENE	ug/l	<0.2	<0.040
BENZO(G,H,I)PERYLENE	ug/l	<0.5	0.33
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l		
VOLATILE ORGANICS:			
CHLOROMETHANE	ug/l		
BROMOMETHANE	ug/l		
VINYL CHLORIDE	ug/l		
CHLOROETHANE	ug/l		
METHYLENE CHLORIDE	ug/l		
ACROLEIN	ug/l		
ACRYLONITRILE	ug/l		
TRANS-1,3-DICHLOROPROPENE	ug/l		
CIS-1,3-DICHLOROPROPENE	ug/l		
TRICHLOROFLUOROMETHANE	ug/l		
1,1-DICHLOROETHENE	ug/l		
1,1-DICHLOROETHANE	ug/l		
1,2-DICHLOROETHENE (TOTAL)	ug/l		
CHLOROFORM	ug/l		
1,2-DICHLOROETHANE	ug/l		
1,1,1-TRICHLOROETHANE	ug/l		
CARBON TETRACHLORIDE	ug/l		
BROMODICHLOROMETHANE	ug/l		
1,2-DICHLOROPROPANE	ug/l		
TRICHLOROETHENE	ug/l	<1	1.8
BENZENE	ug/l	<1	<1
DIBROMOCHLOROMETHANE	ug/l		
1,1,2-TRICHLOROETHANE	ug/l		
2-CHLOROETHYLVINYL ETHER	ug/l		
BROMOFORM	ug/l		
TETRACHLOROETHENE	ug/l	<1	<0.5
1,1,2,2-TETRACHLOROETHANE	ug/l		
TOLUENE	ug/l	<1	<1
CHLOROBENZENE	ug/l		
ETHYLBENZENE	ug/l	4	2

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
PERIOD 4/10/85 THROUGH 4/24/86.

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-1
MONITORING WELL W-1R (REPLACING W-1 AS OF 4-5-91)

PARAMETER	UNITS	8/31/92	11/5/92	1/28/93	5/5/93	7/27/93	11/17/93	3/15/94	5/10/94	9/8/94	11/17/94
ALKALINITY, TOTAL	mg/l		948.00	1320	896	867	1650				
AMMONIA NITROGEN	mg/l		55.00	6.0	4.0	100	<1	3	2	5	
TOTAL COLIFORM	cfu/100 m		5.20	<2.2	2.20	<2 2	<2 2				
BIOCHEMICAL OXYGEN DEMAND	mg/l		19.00	7.00	11 00	55 00	8 00				
TOTAL ORGANIC CARBON	mg/l		73.00	61.00	36 00	71 00	49 00	22	34	32	44
CHEMICAL OXYGEN DEMAND	mg/l		300.00	220.00	180 00	410 00	160 00				
CHLORIDE	mg/l		200.00	90.00	52.00	170 00	58 00	21			67
CYANIDE, TOTAL	mg/l		0.256	0.138	0 193	0 246	0.134				
FLUORIDE	mg/l		1.20	0.50	0 40	0 90	0 40				
ALUMINUM, TOTAL	mg/l										
ARSENIC, TOTAL	mg/l	<0.01	0.01	0.011	0 024	0 033	0.0607				
BARIUM, TOTAL	mg/l	<0.1	<0.1	<0.1	<0 1	0 16	<0 1				
CADMIUM, TOTAL	mg/l	<0.01	<0.01	<0.01	<0.01	0 018	<0 01				
CHROMIUM, TOTAL	mg/l	<0.05	<0.05	0.070	<0 05	<0 05	<0 05				
IRON, TOTAL	mg/l										
LEAD, TOTAL	mg/l	<0.1	<0.1	<0.1	<0.1	<0 1	<0 1				
MANGANESE, TOTAL	mg/l										
MERCURY, TOTAL	mg/l	0.0016	0.0031	0.001	0.0018	0 00201	0 00087				
SELENIUM, TOTAL	mg/l		0.01	0.005	0.006	0 012	0.0036				
SILVER, TOTAL	mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0 02				
SODIUM, TOTAL	mg/l	173.00	185.00	145.00	116.00	172 00	90 90	54.3			107
NITRATE NITROGEN	mg/l		<0.5	<0.5	<0.5	<0 5	<0 5				
TOTAL ORGANIC HALOGENS	ug/l		57.00	50.00	38.00	60 00	60 00	25	40	29	39
PHENOLICS	mg/l										
pH	standard		6.95	7.08	7.15	6 62	7.16	7.45	7.18	7 24	6 81
TOTAL DISSOLVED SOLIDS	mg/l		7880.00	5520.00	3960	7500	3900 00				
SPECIFIC CONDUCTANCE	umhos/c		6990.00	5770.00	4290	7280	4540.00	3210	3330	3410	4660
SULFATE	mg/l		4700.00	2900.00	2000	4300	760	1300			2100
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2-CHLOROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2-NITROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2,4-DIMETHYLPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2,4-DICHLOROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
4-CHLORO-3-METHYLPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2,4,6-TRICHLOROPHENOL	ug/l		<10	<10	<10	<10	<10	<10			<10
2,4-DINITROPHENOL	ug/l		<25	<25	<25	<25	<25	<25			<25
4-NITROPHENOL	ug/l		<25	<25	<25	<25	<25	<25			<25
2-METHYL-4,6-DINITROPHENOL	ug/l		<25	<25	<25	<25	<25	<25			<25
PENTACHLOROPHENOL	ug/l		<50	<50.	<50	<25	<25	<25			<25
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l		<10	<10	<10	<10	<10				
BIS(2-CHLOROETHYL)ETHER	ug/l		<10	<10	<10	<10	<10				
1,3-DICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
1,4-DICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
1,2-DICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
BIS(2-CHLOROISOPROPYL)ETHER	ug/l		<10	<10	<10	<10	<10				
HEXACHLOROETHANE	ug/l		<10	<10	<10	<10	<10				
N-NITROSODI-N-PROPYLAMINE	ug/l		<10	<10	<10	<10	<10				
NITROBENZENE	ug/l		<10	<10	<10	<10	<10				
ISOPHORONE	ug/l		<10	<10	<10	<10	<10				
BIS(2-CHLOROETHOXY)METHANE	ug/l		<10	<10	<10	<10	<10				
1,2,4-TRICHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
NAPHTHALENE	ug/l		<10	<10	<10	<10	<10	<10	<10	<10	<10
HEXACHLOROBUTADIENE	ug/l		<10	<10	<10	<10	<10				
HEXCHLOROCYCLOPENTADIENE	ug/l		<10	<10	<10	<10	<10				
2-CHLORONAPHTHALENE	ug/l		<10	<10	<10	<10	<10				
ACENAPHTHYLENE	ug/l		<10	<10	<10	<10	<10	<20	<20	<20	<20
DIMETHYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
2,6-DINITROTOLUENE	ug/l		<10	<10	<10	<10	<10				
ACENAPHTHENE	ug/l		<10	<10	<10	<10	<10	<20	<20	<20	<20
2,4-DINITROTOLUENE	ug/l		<10	<10	<10	<10	<10				
FLUORENE	ug/l		<10	<10	<10	<10	<10	<2	<2	<2	<2
DIETHYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
4-CHLOROPHENYL PHENYL ETHER	ug/l		<10	<10	<10	<10	<10				
N-NITROSODIPHENYLAMINE	ug/l		<10	<10	<10	<10	<10				
1,2-DIPHENYLHYDRAZINE	ug/l		<10	<10	<10	<10	<10				

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-1
MONITORING WELL W-1R (REPLACING W-1 AS OF 4-5-91)

PARAMETER	UNITS	8/31/92	11/5/92	1/28/93	5/5/93	7/27/93	11/17/93	3/15/94	5/10/94	9/8/94	11/17/94
4-BROMOPHENYL PHENYL ETHER	ug/l		<10	<10	<10	<10	<10				
HEXACHLOROBENZENE	ug/l		<10	<10	<10	<10	<10				
PHENANTHRENE	ug/l		<10	<10	<10	<10	<10	<2	<2	<2	<2
ANTHRACENE	ug/l		<10	<10	<10	<10	<10	<1	<1	<1	<1
DI-N-BUTYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
FLUORANTHENE	ug/l		<10	<10	<10	<10	<10	<0 5	<0 5	<0 5	<0 5
BENZIDINE	ug/l		<100	<100	<100	<100	<100				
PYRENE	ug/l		<10	<10	<10	<10	<10	<2	<2	<2	<2
BUTYL BENZYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
BENZ(A)ANTHRACENE	ug/l		<10	<10	<10	<10	<10	0 1	<0 1	0 1	<0 1
CHRYSENE	ug/l		<10	<10	<10	<10	<10	<1	<1	<1	<1
3,3'-DICHLOROBENZIDINE	ug/l		<20	<20	<20	<20	<20				
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l		<10	<10	<10	<10	<10				
DI-N-OCTYL PHTHALATE	ug/l		<10	<10	<10	<10	<10				
BENZO(B)FLUORANTHENE	ug/l		<10	<10	<10	<10	<10	<0 2	<0.2	<0 2	<0 2
BENZO(K)FLUORANTHENE	ug/l		<10	<10	<10	<10	<10	<0.1	<0.1	<0 1	<0 1
BENZO(A)PYRENE	ug/l		<10	<10	<10	<10	<10	<0 2	<0 2	<0 2	<0 2
INDENO(1,2,3-C,D)PYRENE	ug/l		<10	<10	<10	<10	<10	<0 5	<0.5	<0 5	<0 5
DIBENZ(A,H)ANTHRACENE	ug/l		<10	<10	<10	<10	<10	<0.2	<0.2	<0 2	<0 2
BENZO(G,H,I)PERYLENE	ug/l		<10	<10	<10	<10	<10	<0.5	<0.5	<0.5	<0 5
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l										
VOLATILE ORGANICS:											
CHLOROMETHANE	ug/l		<10	<10	<10	<10	<10				
BROMOMETHANE	ug/l		<10	<10	<10	<10	<10				
VINYL CHLORIDE	ug/l		<10	<10	<10	<10	<10				
CHLOROETHANE	ug/l		<10	<10	<10	<10	<10				
METHYLENE CHLORIDE	ug/l		<5	<5	<5	<5	<5				
ACROLEIN	ug/l		<100	<100	<100	<100	<100				
ACRYLONITRILE	ug/l		<100	<100	<100	<100	<100				
TRANS-1,3-DICHLOROPROPENE	ug/l		<5	<5	<5	<5	<5				
CIS-1,3-DICHLOROPROPENE	ug/l		<5	<5	<5	<5	<5				
TRICHLOROFLUOROMETHANE	ug/l		<5	<5	<5	<5	<5				
1,1-DICHLOROETHENE	ug/l		<5	<5	<5	<5	<5				
1,1-DICHLOROETHANE	ug/l		<5	<5	<5	<5	<5				
1,2-DICHLOROETHENE (TOTAL)	ug/l		<5	<5	<5	<5	<5				
CHLOROFORM	ug/l		<5	<5	<5	<5	<5				
1,2-DICHLOROETHANE	ug/l		<5	<5	<5	<5	<5				
1,1,1-TRICHLOROETHANE	ug/l		<5	<5	<5	<5	<5				
CARBON TETRACHLORIDE	ug/l		<5	<5	<5	<5	<5				
BROMODICHLOROMETHANE	ug/l		<5	<5	<5	<5	<5				
1,2-DICHLOROPROPANE	ug/l		<5	<5	<5	<5	<5				
TRICHLOROETHENE	ug/l		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5
BENZENE	ug/l		<5	<5	<5	<5	<5	<1	<1	<1	<1
DIBROMOCHLOROMETHANE	ug/l		<5	<5	<5	<5	<5				
1,1,2-TRICHLOROETHANE	ug/l		<5	<5	<5	<5	<5				
2-CHLOROETHYLVINYL ETHER	ug/l		<10	<10	<10	<10	<10				
BROMOFORM	ug/l		<5	<5	<5	<5	<5				
TETRACHLOROETHENE	ug/l		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-TETRACHLOROETHANE	ug/l		<5	<5	<5	<5	<5				
TOLUENE	ug/l		<5	<5	<5	<5	<5	<1	<1	<1	<1
CHLOROBENZENE	ug/l		<5	<5	<5	<5	<5				
ETHYLBENZENE	ug/l		<5	<5	<5	<5	<5	<1	<1	<1	<1

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-1
MONITORING WELL W-1R (REPLACING W-1 AS OF 4-5-91)

PARAMETER	UNITS	3/15/95	5/24/95	8/9/95	12/28/95	3/13/96	5/15/96	8/14/96	12/4/96	2/11/97	5/28/97
ALKALINITY, TOTAL	mg/l										
AMMONIA NITROGEN	mg/l		47				2				1 8
TOTAL COLIFORM	cfu/100 m										
BIOCHEMICAL OXYGEN DEMAND	mg/l										
TOTAL ORGANIC CARBON	mg/l	33	48	44	49	29	27	27	25.0	19 0	21 3
CHEMICAL OXYGEN DEMAND	mg/l					100					
CHLORIDE	mg/l		59		52		31		20.5		22 7
CYANIDE, TOTAL	mg/l										
FLUORIDE	mg/l										
ALUMINUM, TOTAL	mg/l										
ARSENIC, TOTAL	mg/l										
BARIUM, TOTAL	mg/l										
CADMIUM, TOTAL	mg/l										
CHROMIUM, TOTAL	mg/l										
IRON, TOTAL	mg/l										
LEAD, TOTAL	mg/l										
MANGANESE, TOTAL	mg/l										
MERCURY, TOTAL	mg/l										
SELENIUM, TOTAL	mg/l										
SILVER, TOTAL	mg/l										
SODIUM, TOTAL	mg/l		106		141		95 7		85.4		95 0
NITRATE NITROGEN	mg/l										
TOTAL ORGANIC HALOGENS	ug/l	34	35	39	42	33	31	41	24 5	17 7	28 0
PHENOLICS	mg/l				<0 005						
pH	standard	7.20	6.73	7 06	7 15	7 05	7 21	6 99	7 15	6.96	7 08
TOTAL DISSOLVED SOLIDS	mg/l										
SPECIFIC CONDUCTANCE	umhos/c	3850	4490	4730	4340	3370	3450	2980	2380	2740	2800
SULFATE	mg/l		1900		1300		1140		633		936
HERBICIDES:											
2,4-D	ug/l										
2,4,5-TP	ug/l										
PESTICIDES:											
ENDRIN	ug/l										
LINDANE	ug/l										
METHOXYCHLOR	ug/l										
TOXAPHENE	ug/l										
ACID EXTRACTABLES:											
PHENOL	ug/l		<10				<9				<9
2-CHLOROPHENOL	ug/l		<10				<9				<9
2-NITROPHENOL	ug/l		<10				<9				<9
2,4-DIMETHYLPHENOL	ug/l		<10				<9				<9
2,4-DICHLOROPHENOL	ug/l		<10				<9				<9
4-CHLORO-3-METHYLPHENOL	ug/l		<10				<9				<9
2,4,6-TRICHLOROPHENOL	ug/l		<10				<9				<9
2,4-DINITROPHENOL	ug/l		<24				<24				<23
4-NITROPHENOL	ug/l		<24				<24				<23
2-METHYL-4,6-DINITROPHENOL	ug/l		<24				<24				<23
PENTACHLOROPHENOL	ug/l		<24				<24				<23
BASE/NEUTRAL EXTRACTABLES:											
N-NITROSODIMETHYLAMINE	ug/l										
BIS(2-CHLOROETHYL)ETHER	ug/l										
1,3-DICHLOROBENZENE	ug/l										
1,4-DICHLOROBENZENE	ug/l										
1,2-DICHLOROBENZENE	ug/l										
BIS(2-CHLOROISOPROPYL)ETHER	ug/l										
HEXACHLOROETHANE	ug/l										
N-NITROSODI-N-PROPYLAMINE	ug/l										
NITROBENZENE	ug/l										
ISOPHORONE	ug/l										
BIS(2-CHLOROETHOXY)METHANE	ug/l										
1,2,4-TRICHLOROBENZENE	ug/l										
NAPHTHALENE	ug/l	<10	<10	<10	<10	<50	<10	<20	<10	<13	<10
HEXACHLOROBUTADIENE	ug/l										
HEXCHLOROCYCLOPENTADIENE	ug/l										
2-CHLORONAPHTHALENE	ug/l										
ACENAPHTHYLENE	ug/l	<20	<20	<20	<20	<100	<20	<40	<20	<25	<20
DIMETHYL PHTHALATE	ug/l										
2,6-DINITROTOLUENE	ug/l										
ACENAPHTHENE	ug/l	<20	<20	<20	<20	<100	<20	<40	<20	<25	<20
2,4-DINITROTOLUENE	ug/l										
FLUORENE	ug/l	<2	<2	<2	<2	<10	<2	<4	<2	<2.5	<2
DIETHYL PHTHALATE	ug/l										
4-CHLOROPHENYL PHENYL ETHER	ug/l										
N-NITROSODIPHENYLAMINE	ug/l										
1,2-DIPHENYLHYDRAZINE	ug/l										

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-1
MONITORING WELL W-1R (REPLACING W-1 AS OF 4-5-91)

PARAMETER	UNITS	3/15/95	5/24/95	8/9/95	12/28/95	3/13/96	5/15/96	8/14/96	12/4/96	2/11/97	5/28/97
4-BROMOPHENYL PHENYL ETHER	ug/l										
HEXACHLOROBENZENE	ug/l										
PHENANTHRENE	ug/l	<2	<2	<2	<2	<10	<2	<4	<2	<2.5	<2
ANTHRACENE	ug/l	<1	<1	<1	<1	<5	<1	<2	<1	<1 3	<1
DI-N-BUTYL PHTHALATE	ug/l										
FLUORANTHENE	ug/l	<0.5	<0.5	<0 5	<0 5	<2 5	<0 5	<1	<0 5	<0 63	<0 5
BENZIDINE	ug/l										
PYRENE	ug/l	<2	<2	<2	<2	<10	<2	<4	<2	<2 5	<2
BUTYL BENZYL PHTHALATE	ug/l										
BENZ(A)ANTHRACENE	ug/l	<0.1	<0.1	<0 1	<0 1	<0 5	<0 1	<0 2	<0 1	<0 13	<0.1
CHRYSENE	ug/l	<1	<1	<1	<1	<5	<1	<2	<1	<1 3	<1
3,3'-DICHLOROBENZIDINE	ug/l										
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l										
DI-N-OCTYL PHTHALATE	ug/l										
BENZO(B)FLUORANTHENE	ug/l	<0.2	<0.2	<0 2	<0 2	<1	<0 2	<0 4	<0 2	<0 25	<0 2
BENZO(K)FLUORANTHENE	ug/l	<0.1	<0.1	<0 1	<0 1	<0 5	<0 1	<0 2	<0 1	<0 13	<0 1
BENZO(A)PYRENE	ug/l	<0.2	<0.2	<0 2	<0 2	<1	<0 2	<0 4	<0 2	<0 25	<0 2
INDENO(1,2,3-C,D)PYRENE	ug/l	<0.5	<0.5	<0 5	<0 5	<2 5	<0 5	<1	<0 5	<0 63	<0.5
DIBENZ(A,H)ANTHRACENE	ug/l	<0.2	<0.2	<0 2	<0 2	<1	<0 2	<0.4	<0 2	<0 25	<0.2
BENZO(G,H,I)PERYLENE	ug/l	<0.5	<0.5	<0 5	<0 5	<2 5	<0 5	<1	<0 5	<0.63	<0.5
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l										
VOLATILE ORGANICS:											
CHLOROMETHANE	ug/l										
BROMOMETHANE	ug/l										
VINYL CHLORIDE	ug/l										
CHLOROETHANE	ug/l										
METHYLENE CHLORIDE	ug/l										
ACROLEIN	ug/l										
ACRYLONITRILE	ug/l										
TRANS-1,3-DICHLOROPROPENE	ug/l										
CIS-1,3-DICHLOROPROPENE	ug/l										
TRICHLOROFLUOROMETHANE	ug/l										
1,1-DICHLOROETHENE	ug/l										
1,1-DICHLOROETHANE	ug/l										
1,2-DICHLOROETHENE (TOTAL)	ug/l										
CHLOROFORM	ug/l										
1,2-DICHLOROETHANE	ug/l										
1,1,1-TRICHLOROETHANE	ug/l										
CARBON TETRACHLORIDE	ug/l										
BROMODICHLOROMETHANE	ug/l										
1,2-DICHLOROPROPANE	ug/l										
TRICHLOROETHENE	ug/l	<0.5	<0.5	<0.5	<3	<0 5	<0 5	<0.5	<1	<0.5	<0.5
BENZENE	ug/l	<1	<1	<1	<5	<1	<10	<1	<1	<1	<1
DIBROMOCHLOROMETHANE	ug/l										
1,1,2-TRICHLOROETHANE	ug/l										
2-CHLOROETHYLVINYL ETHER	ug/l										
BROMOFORM	ug/l										
TETRACHLOROETHENE	ug/l	<0.5	<0.5	<0.5	<3	<0.5	<0.5	<0.5	<1	<0.5	<0.5
1,1,2,2-TETRACHLOROETHANE	ug/l										
TOLUENE	ug/l	<1	<1	<1	<5	<1	<10	<1	<1	<1	<1
CHLOROBENZENE	ug/l										
ETHYLBENZENE	ug/l	<1	<1	<1	<5	<1	<10	<1	<1	<1	<1

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-1
MONITORING WELL W-1R (REPLACING W-1 AS OF 4-5-91)

PARAMETER	UNITS	8/14/97	11/19/97
ALKALINITY, TOTAL	mg/l		
AMMONIA NITROGEN	mg/l		
TOTAL COLIFORM	cfu/100 m		
BIOCHEMICAL OXYGEN DEMAND	mg/l		
TOTAL ORGANIC CARBON	mg/l	40.6	59.3
CHEMICAL OXYGEN DEMAND	mg/l		
CHLORIDE	mg/l		51
CYANIDE, TOTAL	mg/l		
FLUORIDE	mg/l		
ALUMINUM, TOTAL	mg/l		
ARSENIC, TOTAL	mg/l		
BARIUM, TOTAL	mg/l		
CADMIUM, TOTAL	mg/l		
CHROMIUM, TOTAL	mg/l		
IRON, TOTAL	mg/l		
LEAD, TOTAL	mg/l		
MANGANESE, TOTAL	mg/l		
MERCURY, TOTAL	mg/l		
SELENIUM, TOTAL	mg/l		
SILVER, TOTAL	mg/l		
SODIUM, TOTAL	mg/l		
NITRATE NITROGEN	mg/l		
TOTAL ORGANIC HALOGENS	ug/l	23.0	33.3
PHENOLICS	mg/l		
pH	standard	7.13	7.14
TOTAL DISSOLVED SOLIDS	mg/l		
SPECIFIC CONDUCTANCE	umhos/c	3550	3750
SULFATE	mg/l		29.9
HERBICIDES:			
2,4-D	ug/l		
2,4,5-TP	ug/l		
PESTICIDES.			
ENDRIN	ug/l		
LINDANE	ug/l		
METHOXYCHLOR	ug/l		
TOXAPHENE	ug/l		
ACID EXTRACTABLES:			
PHENOL	ug/l		<9
2-CHLOROPHENOL	ug/l		<9
2-NITROPHENOL	ug/l		<9
2,4-DIMETHYLPHENOL	ug/l		<9
2,4-DICHLOROPHENOL	ug/l		<9
4-CHLORO-3-METHYLPHENOL	ug/l		<9
2,4,6-TRICHLOROPHENOL	ug/l		<9
2,4-DINITROPHENOL	ug/l		<24
4-NITROPHENOL	ug/l		<24
2-METHYL-4,6-DINITROPHENOL	ug/l		<24
PENTACHLOROPHENOL	ug/l		<24
BASE/NEUTRAL EXTRACTABLES:			
N-NITROSODIMETHYLAMINE	ug/l		
BIS(2-CHLOROETHYL)ETHER	ug/l		
1,3-DICHLOROBENZENE	ug/l		
1,4-DICHLOROBENZENE	ug/l		
1,2-DICHLOROBENZENE	ug/l		
BIS(2-CHLOROISOPROPYL)ETHER	ug/l		
HEXACHLOROETHANE	ug/l		
N-NITROSODI-N-PROPYLAMINE	ug/l		
NITROBENZENE	ug/l		
ISOPHORONE	ug/l		
BIS(2-CHLOROETHOXY)METHANE	ug/l		
1,2,4-TRICHLOROBENZENE	ug/l		
NAPHTHALENE	ug/l	<10	<2
HEXACHLOROBUTADIENE	ug/l		
HEXCHLOROCYCLOPENTADIENE	ug/l		
2-CHLORONAPHTHALENE	ug/l		
ACENAPHTHYLENE	ug/l	<20	<4
DIMETHYL PHTHALATE	ug/l		
2,6-DINITROTOLUENE	ug/l		
ACENAPHTHENE	ug/l	<20	<4
2,4-DINITROTOLUENE	ug/l		
FLUORENE	ug/l	<2	<0.40
DIETHYL PHTHALATE	ug/l		
4-CHLOROPHENYL PHENYL ETHER	ug/l		
N-NITROSODIPHENYLAMINE	ug/l		
1,2-DIPHENYLHYDRAZINE	ug/l		

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-1
MONITORING WELL W-1R (REPLACING W-1 AS OF 4-5-91)

PARAMETER	UNITS	8/14/97	11/19/97
4-BROMOPHENYL PHENYL ETHER	ug/l		
HEXACHLOROBENZENE	ug/l		
PHENANTHRENE	ug/l	<2	<0.40
ANTHRACENE	ug/l	<1	<0.20
DI-N-BUTYL PHTHALATE	ug/l		
FLUORANTHENE	ug/l	<0.5	<0.1
BENZIDINE	ug/l		
PYRENE	ug/l	<2	<0.4
BUTYL BENZYL PHTHALATE	ug/l		
BENZ(A)ANTHRACENE	ug/l	<0.1	<0.020
CHRYSENE	ug/l	<1	<0.20
3,3'-DICHLOROBENZIDINE	ug/l		
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l		
DI-N-OCTYL PHTHALATE	ug/l		
BENZO(B)FLUORANTHENE	ug/l	<0.2	<0.040
BENZO(K)FLUORANTHENE	ug/l	<0.1	<0.020
BENZO(A)PYRENE	ug/l	<0.2	<0.040
INDENO(1,2,3-C,D)PYRENE	ug/l	<0.5	<0.10
DIBENZ(A,H)ANTHRACENE	ug/l	<0.2	<0.040
BENZO(G,H,I)PERYLENE	ug/l	<0.5	<0.10
2,3,7,8-TETRACHLORODIBENZO-P-DIO	ug/l		
VOLATILE ORGANICS.			
CHLOROMETHANE	ug/l		
BROMOMETHANE	ug/l		
VINYL CHLORIDE	ug/l		
CHLOROETHANE	ug/l		
METHYLENE CHLORIDE	ug/l		
ACROLEIN	ug/l		
ACRYLONITRILE	ug/l		
TRANS-1,3-DICHLOROPROPENE	ug/l		
CIS-1,3-DICHLOROPROPENE	ug/l		
TRICHLOROFLUOROMETHANE	ug/l		
1,1-DICHLOROETHENE	ug/l		
1,1-DICHLOROETHANE	ug/l		
1,2-DICHLOROETHENE (TOTAL)	ug/l		
CHLOROFORM	ug/l		
1,2-DICHLOROETHANE	ug/l		
1,1,1-TRICHLOROETHANE	ug/l		
CARBON TETRACHLORIDE	ug/l		
BROMODICHLOROMETHANE	ug/l		
1,2-DICHLOROPROPANE	ug/l		
TRICHLOROETHENE	ug/l	<1	<0.5
BENZENE	ug/l	<1	<1
DIBROMOCHLOROMETHANE	ug/l		
1,1,2-TRICHLOROETHANE	ug/l		
2-CHLOROETHYLVINYL ETHER	ug/l		
BROMOFORM	ug/l		
TETRACHLOROETHENE	ug/l	<1	<0.5
1,1,2,2-TETRACHLOROETHANE	ug/l		
TOLUENE	ug/l	<1	<1
CHLOROBENZENE	ug/l		
ETHYLBENZENE	ug/l	<1	<1

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-D
COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QU

Appendix C (Correspondence)

Pennsylvania Department of Environmental Protection

Lee Park, Suite 6010
555 North Lane
Conshohocken, PA 19428
September 14, 1998

Southeast Regional Office

610-832-6212
Fax 610-832-6143

Mr. Michael J. Cawley
Vice President, Risk Management
Eastern Enterprises
9 Riverside Road
Weston Massachusette 02193

Re: Revised Groundwater Monitoring Program
Former Philadelphia Coke Company Site

Dear Mr. Cawley:

The Department has reviewed the Revised Groundwater Monitoring Program for the former Philadelphia Coke Company site, submitted on behalf of Eastern Enterprises by Woodward-Clyde International-Americas on March 23, 1998. Based on this review we hereby approve the request to reduce groundwater monitoring frequency at this site from the present quarterly requirement, to an annual frequency conditional upon the following:

The annual sampling event should occur during the fourth quarter of the calendar year, after September 30th and before December 31st.

The Department should be notified at least thirty days prior to sampling activities so that we may be present to conduct confirmatory sampling.

Annual groundwater monitoring should continue at this site until further notice from the Department.

Eastern Enterprises

9 Riverside Road
Weston, Massachusetts 02193
Tel: 781-647-2361 Fax: 781-647-2350
mcawley@efu.com

Michael J. Cawley, ARM
Vice President
Risk Management

June 1, 1998

JUN 8 0 1998

Thomas P. Cunningham, Jr.
Commonwealth of Pennsylvania
Department of Environmental Resources
Suite 6010, Lee Park
555 North Lane
Conshonocken, PA 19428

Re: Philadelphia Coke
Bridesburg, PA

Dear Mr. Cunningham,

We met at the captioned site a couple of years back and, even though I haven't seen you since, my frequent conversations with Jim Husted of Woodward-Clyde have allowed me to keep posted about his interaction with you. Where we go with regard to groundwater monitoring at this site is very important to Eastern Enterprises—the parent of Philadelphia Coke—and I certainly appreciate your willingness to listen to the points we've made about that whole situation to date. As I think you know, our feeling is that all the data generated shows the situation at Philadelphia Coke is stable. I know you can appreciate the financial burden of such a monitoring program, particularly given that my company has already spent millions of cleanup dollars on this site since the early 1980s.

In short, I personally think that a solid case can be made for doing away with the monitoring program altogether, obviously attached to some sort of assurance that we would still step forward should a problem arise. Whatever you can do to help us move to that goal, as long as you agree, would be tremendously appreciated.

Thanks again for your ongoing assistance on this item. I hope that a more favorable resolution of this burdensome requirement is agreed upon in the near future.

Sincerely,

Michael J. Cawley

MJC/md
/MJC/Phila/grdwater

Appendix D (Analytical Results)

ER-WM-02: 5/89

Date Prepared

11-5-97

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF WASTE MANAGEMENT

ID Number

PAD000427906

HAZARDOUS WASTE MONITORING QUARTERLY REPORT

(To be submitted quarterly for all monitoring wells)

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided herein. Replacement/substitution of or attachment to this form is prohibited. Improperly completed forms may be rejected by the Department, may be considered to be violations of the Department's Rules and Regulations, and may result in assessment of fines and penalties.

General References: Sections 75.265(n)(8), 75.265(n)(11)(ii), 75.265(n)(14), 75.264(n)(11), 75.264(n)(15), 75.264(n)(17)

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS.S"). Datum NAD 27

Facility Name: Philadelphia Coke Company

Monitoring Point Number: MW-2R

X Well ___ Spring ___ Stream ___ Other

___ Upgradient X Downgradient

Location: County Philadelphia

Municipality Philadelphia

Sampling Point: Latitude: 39° 59' 41.0"

Longitude: 75° 04' 10.6"

Measured from: ___ Land Surface X TOC

Depth to Water Level: 11.87 ft

Elevation of Water Level: 9.08 ft/MSL

Casing Stick Up: 5.64 ft

Sampling Method: ___ Pumped X Bailed

Sampling Depth: 8.6 - 18.6 ft

___ Grab

Well Purged: X Yes ___ No

Well Volumes Purged: 3

Sample Filtered: ___ Yes X No

Filter Pore Size: NA microns

Spring Flow Rate: NA GPM

Sample Collection Time: 1200

Sample Date: (mm/dd/yy) 8/14/97

Sample Collectors Name: B. Koptcho, J. Miller

Sample Collectors Affiliation: Woodward-Clyde Consultants

Laboratory Performing Analysis: Lancaster Laboratories, Inc.

Lab Sample Number: WW2761052

Lab Analysis Date: 9/7/97

Comments:

I.D. No. PAD000427906
Monitoring Point No. MW-2F
Sample Date 8/2-[illegible]

HAZARDOUS WASTE MONITORING QUARTERLY REPORT

I. PARAMETERS USED AS INDICATORS OF GROUND WATER CONTAMINATION – RESULTS

Replicates (Enter all data in mg/l except as indicated)

STORET NO.	PARAMETERS	VALUES				ANALYSIS METHOD NUMBER
(00403)	pH (SU)	8.14				EPA 150.1
(00095)	Spec. Cond. (umhos/cm)	1,610				EPA 120.1
(00680)	Total Organic Carbon	22.7				EPA 415.1
(70353)	Total Organic Halogen (ug/l)	30.1				EPA 9020
( )						

II. TESTS FOR SIGNIFICANCE - CALCULATIONS

(attach all necessary data) One-way parametric analysis of variance used-- see attached summary

A. Arithmetic results for this quarter (background values based on first year's sample results in upgradient wells; or as otherwise approved by the Department).

(Enter all data in mg/l except as indicated).

		$(\bar{X}_b)$ Background Mean	(S_b^2) Background Variance	(X_m) Monitoring Mean	(S_m^2) Monitoring Variance
(00403)	pH (SU)				
(00095)	Spec. Cond. (umhos/cm)				
(00680)	Total Organic Carbon				
(70353)	Total Organic Halogen (ug/l)				
( )					

B Student's T-Test (at the specified level of significance using Cochran's Approximation to Behrens-Fisher single-tailed solution of the comparison of two independent samples with unequal population variances; or an equivalent approved method).

Level of Significance Used – .01 .05 (circle o

(see Appendix III, Chapter 75, Subchapter D

I.D. No.	PAD000427906
Monitoring Point No.	MW-2R
Sample Date	3/14/95

HAZARDOUS WASTE MONITORING QUARTERLY REPORT

(Enter all data in mg/l except as indicated).

		(t°) weighted statistic	(t_d) comparison statistic	SIGNIFICANT CHANGE? (circle one)	
(00403)	pH (SU) (use two-tailed test)	_____	_____	Y	N
(00095)	Spec. Cond. (umhos/cm)	_____	_____	Y	N
(C068C)	Total Organic Carbon	_____	_____	Y	N
(70353)	Total Organic Halogen (ug/l)	_____	_____	Y	N
( )	_____				

Name, Address and Title of Individual Performing the Tests for Significance:

Barbara A. Koptcho, Staff Engineer

WOODWARD-CLYDE CONSULTANTS

5120 BUTLER PIKE

PLYMOUTH MEETING, PA 19462

Philadelphia Coke Company
I.D. No. PAD000427906

Monitoring Point: MW-2R
Sample Date: 8 [illegible]

Summary of Volatile Organic Compounds (EPA 624)

Compound	Units	Conc	Quant Limit
Ethylbenzene	µg/l	1	1
Toluene	µg/l	BQL	1
Tetrachloroethene	µg/l	BQL	1
Trichloroethene	µg/l	BQL	1
Benzene	µg/l	37	1

BQL = Below quantitation limit

Philadelphia Coke Company
I.D. No. PAD000427906

Monitoring Point: MW-2R
Sample Date: 8/14/97

Summary of Base Neutral Compounds (EPA 625)(continued)

Compound	Units	Conc	Quant Limit
Naphthalene	µg/l	54	10
Acenaphthylene	µg/l	BQL	20
Acenaphthene	µg/l	BQL	20
Fluorene	µg/l	9.9	2.0
Phenanthrene	µg/l	10.8	2.0
Anthracene	µg/l	2.4	1.0
Fluoranthene	µg/l	3.05	0.50
Pyrene	µg/l	BQL	2.0
Benzo(a)anthracene	µg/l	0.14	0.10
Chrysene	µg/l	BQL	1.0
Benzo(b)fluoranthene	µg/l	BQL	0.20
Benzo(k)fluoranthene	µg/l	BQL	0.10
Benzo(a)pyrene	µg/l	BQL	0.20
Indeno(1,2,3-c,d)pyrene	µg/l	BQL	0.50
Dibenz(a,h)anthracene	µg/l	BQL	0.20
Benzo(g,h,i)perylene	µg/l	BQL	0.50

BQL = Below quantitation limit

Philadelphia Coke Company
I.D. No. PAD000427906

Monitoring Point: MW-2R

One-Way Parametric Analysis of Variance
Summary of Significance Test Results

Analysis includes all data from First Quarter 1989 through Third Quarter 1997

	Compared to Background Data (MW-4R):	
Parameter	**Significantly Higher**	**Significantly Lower**
pH	YES	NO
TOC	NO	NA
TOX	YES	NA
Specific Conductance	NO	NA

NA = Not Applicable

Note: Significance evaluated at the 5% level.

ER-WM-02: 5/89

Date Prepared

11-5-97

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF WASTE MANAGEMENT

LD Number

PAD000427906

HAZARDOUS WASTE MONITORING QUARTERLY REPORT

(To be submitted quarterly for all monitoring wells)

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General References: Sections 75.265(n)(8), 75.265(n)(11)(ii), 75.265(n)(14), 75.264(n)(11), 75.264(n)(15), 75.264(n)(17)

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS.S"). Datum NAD 27

Facility Name: Philadelphia Coke Company

Monitoring Point Number: MW-3

X Well ___ Spring ___ Stream ___ Other

___ Upgradient X Downgradient

Location: County Philadelphia

Municipality Philadelphia

Sampling Point: Latitude: 39 ° 59 ' 39 . 5 "

Longitude: 75 ° 04 ' 4 . 2 "

Depth to Water Level: 13.24 ft.

Measured from: ___ Land Surface X TOC

Casing Stick Up: 4.44 ft.

Elevation of Water Level: 6.12 ft./MSL

Sampling Depth: 6.9 - 16.9 ft.

Sampling Method: ___ Pumped X Bailed

___ Grab

Well Purged: X Yes ___ No

Well Volumes Purged: 3

Sample Filtered: ___ Yes X No

Filter Pore Size: NA microns

Spring Flow Rate: NA GPM

Sample Collection Time: 1200

Sample Date: (mm/dd/yy) 8/14/97

Sample Collectors Name: B. Koptcho, J. Miller

Sample Collectors Affiliation: Woodward-Clyde Consultants

Laboratory Performing Analysis: Lancaster Laboratories, Inc.

Lab Analysis Date: 9/7/97

Lab Sample Number: WW2761054

Comments:

I.D. No.	PAD000427906
Monitoring Point No.	MW-3
Sample Date	8/14/[illegible]

HAZARDOUS WASTE MONITORING QUARTERLY REPORT

I. PARAMETERS USED AS INDICATORS OF GROUND WATER CONTAMINATION – RESULTS

Replicates (Enter all data in mg/l except as indicated

STORET NO.	PARAMETERS	VALUES				ANALYSIS METHOD NUMBER
(00403)	pH (SU)	6.84				EPA 150.1
(00095)	Spec. Cond. (umhos/cm)	3,710				EPA 120.1
(00680)	Total Organic Carbon	11.1				EPA 415.1
(70353)	Total Organic Halogen (ug/l)	23.5				EPA 9023
( )						

II. TESTS FOR SIGNIFICANCE - CALCULATIONS

(attach all necessary data) One-way parametric analysis of variance used-- see attached summary

A. Arithmetic results for this quarter (background values based on first year's sample results or upgradient wells; or as otherwise approved by the Department).

(Enter all data in mg/l except as indicated).

		$(\bar{X}_b)$ Background Mean	(S_b^2) Background Variance	(X_m) Monitoring Mean	(S_m^2) Monitoring Variance
(00403)	pH (SU)				
(00095)	Spec. Cond. (umhos/cm)				
(00680)	Total Organic Carbon				
(70353)	Total Organic Halogen (ug/l)				
( )					

B. Student's T-Test (at the specified level of significance using Cochran's Approximation to Behrens-Fisher single-tailed solution of the comparison of two independent samples with unequal population variances; or an equivalent approved method).

Level of Significance Used – .01 .05 (circle one)

(see Appendix III, Chapter 75, Subchapter D)

I.D. No. PAD000427906
Monitoring Point No. MW-1
Sample Date 8/14/97

HAZARDOUS WASTE MONITORING QUARTERLY REPORT

(Enter all data in mg/l except as indicated).

		(t*) weighted t-statistic	(t_c) comparison t-statistic	SIGNIFICANT CHANGE? (circle one)	
(00403)	pH (SU) (use two-tailed test)	____	____	Y	N
(00095)	Spec. Cond. (umhos/cm)	____	____	Y	N
(00680)	Total Organic Carbon	____	____	Y	N
(70353)	Total Organic Halogen (ug/l)	____	____	Y	N
( )	____				

Name, Address and Title of Individual Performing the Tests for Significance:

Barbara A. Koptcho, Staff Engineer
WOODWARD-CLYDE CONSULTANTS
5120 BUTLER PIKE
PLYMOUTH MEETING, PA 19462

Philadelphia Coke Company
I.D. No. PAD000427906

Monitoring Point: MW-3
Sample Date: 8 14 97

Summary of Volatile Organic Compounds (EPA 624)

Compound	Units	Conc	Quant Limit
Ethylbenzene	µg/l	BQL	1
Toluene	µg/l	BQL	1
Tetrachloroethene	µg/l	BQL	1
Trichloroethene	µg/l	BQL	1
Benzene	µg/l	BQL	1

BQL = Below quantitation limit

Philadelphia Coke Company
I.D. No. PAD000427906

Monitoring Point: MW-3
Sample Date: 8 14 97

Summary of Base Neutral Compounds (EPA 625)(continued)

Compound	Units	Conc	Quant Limit
Naphthalene	µg/l	BQL	10
Acenaphthylene	µg/l	BQL	20
Acenaphthene	µg/l	BQL	20
Fluorene	µg/l	BQL	2.0
Phenanthrene	µg/l	BQL	2.0
Anthracene	µg/l	BQL	1.0
Fluoranthene	µg/l	BQL	0.50
Pyrene	µg/l	BQL	2.0
Benzo(a)anthracene	µg/l	BQL	0.10
Chrysene	µg/l	BQL	1.0
Benzo(b)fluoranthene	µg/l	BQL	0.20
Benzo(k)fluoranthene	µg/l	BQL	0.10
Benzo(a)pyrene	µg/l	BQL	0.20
Indeno(1,2,3-c,d)pyrene	µg/l	BQL	0.50
Dibenz(a,h)anthracene	µg/l	BQL	0.20
Benzo(g,h,i)perylene	µg/l	BQL	0.50

BQL = Below quantitation limit

Philadelphia Coke Company
I.D. No. PAD000427906

Monitoring Point: MW-3

One-Way Parametric Analysis of Variance
Summary of Significance Test Results

Analysis includes all data from First Quarter 1989 through Third Quarter 1997

	Compared to Background Data (MW-4R):	
Parameter	**Significantly Higher**	**Significantly Lower**
pH	NO	YES
TOC	NO	NA
TOX	NO	NA
Specific Conductance	NO	NA

NA = Not Applicable

Note: Significance evaluated at the 5% level.

ER-WM-02: 5/89

Date Prepared

11-5-97

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF WASTE MANAGEMENT

LD Number

PAD000427906

HAZARDOUS WASTE MONITORING QUARTERLY REPORT

(To be submitted quarterly for all monitoring wells)

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General References: Sections 75.265(n)(8), 75.265(n)(11)(ii), 75.265(n)(14), 75.264(n)(11), 75.264(n)(15), 75.264(n)(17)

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS.S"). Datum NAD 27

Facility Name: Philadelphia Coke Company

Monitoring Point Number: MW-4R

X Well ___ Spring ___ Stream ___ Other

X Upgradient ___ Downgradient

Municipality: Philadelphia

Location: County: Philadelphia

Sampling Point: Latitude: 39° 59' 46.5"

Longitude: 75° 04' 17.7"

Measured from: ___ Land Surface X TOC

Depth to Water Level: 11.68 ft.

Elevation of Water Level: 2.83 ft./MSL

Casing Stick Up: 1.44 ft.

Sampling Method: ___ Pumped X Bailed ___ Grab

Sampling Depth: 5.4 - 15.4 ft.

Well Purged: X Yes ___ No

Well Volumes Purged: 3

Sample Filtered: ___ Yes X No

Filter Pore Size: NA microns

Spring Flow Rate: NA GPM

Sample Collection Time: 1200

Sample Date: (mm/dd/yy) 8/14/97

Sample Collectors Name: B. Koptcho, J. Miller

Sample Collectors Affiliation: Woodward-Clyde Consultants

Laboratory Performing Analysis: Lancaster Laboratories, Inc.

Lab Analysis Date: 9/7/97

Lab Sample Number: WW2761055

Comments:

I.D. No.	PAD000427906
Monitoring Point No.	MW-4R
Sample Date	8/14/97

HAZARDOUS WASTE MONITORING QUARTERLY REPORT

I. PARAMETERS USED AS INDICATORS OF GROUND WATER CONTAMINATION – RESULTS

Replicates (Enter all data in mg/l except as indicated)

STORET NO.	PARAMETERS	VALUES				ANALYSIS METHOD NUMBER
(00403)	pH (SU)	6.88				EPA 150.1
(00095)	Spec. Cond. (umhos/cm)	2,700				EPA 120.1
(00680)	Total Organic Carbon	49.8				EPA 415.1
(70353)	Total Organic Halogen (ug/l)	7.8				EPA 9020
( )						

II. TESTS FOR SIGNIFICANCE - CALCULATIONS

(attach all necessary data) Background well -- no test performed

A. Arithmetic results for this quarter (background values based on first year's sample results in upgradient wells; or as otherwise approved by the Department).

(Enter all data in mg/l except as indicated).

		$(\bar{X}_b)$ Background Mean	(S_b^2) Background Variance	(X_m) Monitoring Mean	(S_m^2) Monitoring Variance
(00403)	pH (SU)				
(00095)	Spec. Cond. (umhos/cm)				
(00680)	Total Organic Carbon				
(70353)	Total Organic Halogen (ug/l)				
( )					

B Student's T-Test (at the specified level of significance using Cochran's Approximation Behrens-Fisher single-tailed solution of the comparison of two independent samples with u population variances; or an equivalent approved method).

Level of Significance Used – .01 .05 (circle c

(see Appendix III, Chapter 75, Subchapter C

I.D. No. PAD000427906
Monitoring Point No. MW-4R
Sample Date [illegible]/07

HAZARDOUS WASTE MONITORING QUARTERLY REPORT

(Enter all data in mg/l except as indicated).

		(t*) weighted t-statistic	(t_c) comparison t-statistic	SIGNIFICANT CHANGE? (circle one)	
(00403)	pH (SU) (use two-tailed test)	____	____	Y	N
(00095)	Spec. Cond. (umhos/cm)	____	____	Y	N
(00680)	Total Organic Carbon	____	____	Y	N
(70353)	Total Organic Halogen (ug/l)	____	____	Y	N
( )	____				

Name, Address and Title of Individual Performing the Tests for Significance:

Barbara A. Koptcho, Staff Engineer
WOODWARD-CLYDE CONSULTANTS
5120 BUTLER PIKE
PLYMOUTH MEETING, PA 19462

Philadelphia Coke Company
I.D. No. PAD000427906

Monitoring Point: MW-4R
Sample Date: 8 14 97

Summary of Volatile Organic Compounds (EPA 624)

Compound	Units	Conc	Quant Limit
Ethylbenzene	µg/l	BQL	1
Toluene	µg/l	BQL	1
Tetrachloroethene	µg/l	BQL	1
Trichloroethene	µg/l	BQL	1
Benzene	µg/l	BQL	1

BQL = Below quantitation limit

Philadelphia Coke Company
I.D. No. PAD000427906

Monitoring Point: MW-4R
Sample Date: 8 14 97

Summary of Base Neutral Compounds (EPA 625)(continued)

Compound	Units	Conc	Quant Limit
Naphthalene	µg/l	BQL	10
Acenaphthylene	µg/l	BQL	20
Acenaphthene	µg/l	BQL	20
Fluorene	µg/l	BQL	2
Phenanthrene	µg/l	BQL	2
Anthracene	µg/l	BQL	1
Fluoranthene	µg/l	BQL	0.5
Pyrene	µg/l	BQL	2
Benzo(a)anthracene	µg/l	BQL	0.1
Chrysene	µg/l	BQL	1
Benzo(b)fluoranthene	µg/l	BQL	0.2
Benzo(k)fluoranthene	µg/l	BQL	0.1
Benzo(a)pyrene	µg/l	BQL	0.2
Indeno(1,2,3-c,d)pyrene	µg/l	BQL	0.5
Dibenz(a,h)anthracene	µg/l	BQL	0.2
Benzo(g,h,i)perylene	µg/l	BQL	0.5

BQL = Below quantitation limit

Philadelphia Coke Company
I.D. No. PAD000427906

Monitoring Point: MW-5
Sample Date: 8/14/97

Summary of Volatile Organic Compounds (EPA 624)

Compound	Units	Conc	Quant Limit
Ethylbenzene	µg/l	4	1
Toluene	µg/l	BQL	1
Tetrachloroethene	µg/l	BQL	1
Trichloroethene	µg/l	BQL	1
Benzene	µg/l	BQL	1

BQL = Below quantitation limit

ER-WM-82: 5/89

Date Prepared

11-5-97

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF WASTE MANAGEMENT

ID Number

PAD000427906

HAZARDOUS WASTE MONITORING QUARTERLY REPORT

(To be submitted quarterly for all monitoring wells)

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided herein. Replacement/substitution of or attachment to this form is prohibited. Improperly completed forms may be rejected by the Department, may be considered to be violations of the Department's Rules and Regulations, and may result in assessment of fines and penalties.

General References: Sections 75.265(n)(8), 75.265(n)(11)(ii), 75.265(n)(14), 75.264(n)(11), 75.264(n)(15), 75.264(n)(17)

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS.S"). Datum NAD 27

Facility Name: Philadelphia Coke Company

Monitoring Point Number: MW-5

X Well ___ Spring ___ Stream ___ Other

___ Upgradient X Downgradient

Location: County Philadelphia

Municipality Philadelphia

Sampling Point: Latitude: 39 ° 59 ' 45 . 8 "

Longitude: 75 ° 04 ' 17 . 0 "

Measured from: ___ Land Surface X TOC

Depth to Water Level: 7.47 ft.

Elevation of Water Level: 7.29 ft./MSL

Casing Stick Up: 1.96 ft.

Sampling Method: ___ Pumped X Bailed

Sampling Depth: 6.0 - 16.0 ft.

___ Grab

Well Purged: X Yes ___ No

Well Volumes Purged: 3

Sample Filtered: ___ Yes X No

Filter Pore Size: NA microns

Spring Flow Rate: NA GPM

Sample Collection Time: 1200

Sample Date: (mm/dd/yy) 8/14/97

Sample Collectors Name: B. Koptcho, J. Miller

Sample Collectors Affiliation: Woodward-Clyde Consultants

Laboratory Performing Analysis: Lancaster Laboratories, Inc.

Lab Sample Number: WW2761056

Lab Analysis Date: 9/7/97

Comments:

I.D. No.	PAD000427906
Monitoring Point No.	MW-[illegible]
Sample Date	6/24/97

HAZARDOUS WASTE MONITORING QUARTERLY REPORT

I. PARAMETERS USED AS INDICATORS OF GROUND WATER CONTAMINATION – RESULTS

Replicates (Enter all data in mg/l except as indicated)

STORET NO.	PARAMETERS	VALUES				ANALYSIS METHOD NUMBER
(00403)	pH (SU)	6.50				EPA 150.[illegible]
(00095)	Spec. Cond. (umhos/cm)	532				EPA 120.[illegible]
(00680)	Total Organic Carbon	12.3				EPA 415.[illegible]
(70353)	Total Organic Halogen (ug/l)	24.0				EPA 9020
( )						

II. TESTS FOR SIGNIFICANCE - CALCULATIONS

(attach all necessary data) One-way parametric analysis of variance used-- see attached summary

A. Arithmetic results for this quarter (background values based on first year's sample results upgradient wells; or as otherwise approved by the Department).

(Enter all data in mg/l except as indicated).

		$(\bar{X}_b)$ Background Mean	(S_b^2) Background Variance	(X_m) Monitoring Mean	(S_m^2) Monitoring Variance
(00403)	pH (SU)				
(00095)	Spec. Cond. (umhos/cm)				
(00680)	Total Organic Carbon				
(70353)	Total Organic Halogen (ug/l)				
( )					

B. Student's T-Test (at the specified level of significance using Cochran's Approximation Behrens-Fisher single-tailed solution of the comparison of two independent samples with u population variances; or an equivalent approved method).

Level of Significance Used – .01 .05 (circle

(see Appendix III, Chapter 75, Subchapter [illegible]

I.D. No. PAD000427906
Monitoring Point No. MW-5
Sample Date 8/18/87

HAZARDOUS WASTE MONITORING QUARTERLY REPORT

(Enter all data in mg/l except as indicated).

		(t*) weighted t-statistic	(t_c) comparison t-statistic	SIGNIFICANT CHANGE? (circle one)	
(00403)	pH (SU) (use two-tailed test)	_____	_____	Y	N
(00095)	Spec. Cond. (umhos/cm)	_____	_____	Y	N
(00680)	Total Organic Carbon	_____	_____	Y	N
(70353)	Total Organic Halogen (ug/l)	_____	_____	Y	N
( )	_____				

Name, Address and Title of Individual Performing the Tests for Significance:

Barbara A. Koptcho, Staff Engineer

WOODWARD-CLYDE CONSULTANTS

5120 BUTLER PIKE

PLYMOUTH MEETING, PA 19462

Philadelphia Coke Company
I.D. No. PAD000427906

Monitoring Point: MW-5
Sample Date 8/14/97

Summary of Base Neutral Compounds (EPA 625)(continued)

Compound	Units	Conc	Quant Limit
Naphthalene	µg/l	BQL	10
Acenaphthylene	µg/l	BQL	20
Acenaphthene	µg/l	50	20
Fluorene	µg/l	20.7	2.0
Phenanthrene	µg/l	8.6	2.0
Anthracene	µg/l	2.8	1.0
Fluoranthene	µg/l	BQL	0.50
Pyrene	µg/l	2.5	2.0
Benzo(a)anthracene	µg/l	0.56	0.10
Chrysene	µg/l	BQL	1.0
Benzo(b)fluoranthene	µg/l	BQL	0.20
Benzo(k)fluoranthene	µg/l	0.14	0.10
Benzo(a)pyrene	µg/l	0.35	0.20
Indeno(1,2,3-c,d)pyrene	µg/l	BQL	0.50
Dibenz(a,h)anthracene	µg/l	BQL	0.20
Benzo(g,h,i)perylene	µg/l	BQL	0.50

BQL = Below quantitation limit

Philadelphia Coke Company
I.D. No. PAD000427906

Monitoring Point: MW-5

One-Way Parametric Analysis of Variance
Summary of Significance Test Results

Analysis includes all data from First Quarter 1989 through Third Quarter 1997

	Compared to Background Data (MW-4R):	
Parameter	**Significantly Higher**	**Significantly Lower**
pH	NO	YES
TOC	NO	NA
TOX	YES	NA
Specific Conductance	NO	NA

NA = Not Applicable

Note: Significance evaluated at the 5% level.

ER-WM-02: 5/89

Date Prepared

11-5-97

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF WASTE MANAGEMENT

I.D Number

PAD000427906

HAZARDOUS WASTE MONITORING QUARTERLY REPORT

(To be submitted quarterly for all monitoring wells)

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided herein. Replacement/substitution of or attachment to this form is prohibited. Improperly completed forms may be rejected by the Department, may be considered to be violations of the Department's Rules and Regulations, and may result in assessment of fines and penalties.

General References: Sections 75.265(n)(8), 75.265(n)(11)(ii), 75.265(n)(14), 75.264(n)(11), 75.264(n)(15), 75.264(n)(17)

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS.S"). Datum NAD 27

Facility Name: Philadelphia Coke Company

Monitoring Point Number: MW-6

X Well ___ Spring ___ Stream ___ Other

___ Upgradient X Downgradient

Location: County Philadelphia

Municipality Philadelphia

Sampling Point: Latitude: 39 ° 59 ' 45.0 "

Longitude: 75 ° 04 ' 13.4 "

Depth to Water Level: 5.95 ft.

Measured from: ___ Land Surface X TOC

Casing Stick Up: 1.60 ft.

Elevation of Water Level: 8.55 ft./MSL

Sampling Depth: 5.6 - 15.6 ft.

Sampling Method: ___ Pumped X Bailed ___ Grab

Well Purged: X Yes ___ No

Well Volumes Purged: 3

Sample Filtered: ___ Yes X No

Filter Pore Size: NA microns

Spring Flow Rate: NA GPM

Sample Collection Time: 1200

Sample Date: (mm/dd/yy) 8/14/97

Sample Collectors Name: B. Koptcho, J. Miller

Sample Collectors Affiliation: Woodward-Clyde Consultants

Laboratory Performing Analysis: Lancaster Laboratories, Inc.

Lab Analysis Date: 9/7/97

Lab Sample Number: WW2761057

Comments:

I.D. No.	PAD000427906
Monitoring Point No.	MW-6
Sample Date	8/14/97

HAZARDOUS WASTE MONITORING QUARTERLY REPORT

I. PARAMETERS USED AS INDICATORS OF GROUND WATER CONTAMINATION – RESULTS

Replicates (Enter all data in mg/l except as indicated)

STORET NO.	PARAMETERS	VALUES				ANALYSIS METHOD NUMBER
(00403)	pH (SU)	6.95				EPA 150.1
(00095)	Spec. Cond. (umhos/cm)	1,560				EPA 120.1
(00680)	Total Organic Carbon	13.3				EPA 415.1
(70353)	Total Organic Halogen (ug/l)	12.3				EPA 9020
( )						

II. TESTS FOR SIGNIFICANCE - CALCULATIONS

(attach all necessary data) One-way parametric analysis of variance used— see attached summary

A. Anthmetic results for this quarter (background values based on first year's sample results in upgradient wells; or as otherwise approved by the Department).

(Enter all data in mg/l except as indicated).

		$(\bar{X}_b)$ Background Mean	(S_b^2) Background Variance	(X_m) Monitoring Mean	(S_m^2) Monitoring Variance
(00403)	pH (SU)				
(00095)	Spec. Cond. (umhos/cm)				
(00680)	Total Organic Carbon				
(70353)	Total Organic Halogen (ug/l)				
( )					

B. Student's T-Test (at the specified level of significance using Cochran's Approximation t Behrens-Fisher single-tailed solution of the comparison of two independent samples with un population variances; or an equivalent approved method).

Level of Significance Used – .01 .05 (circle or

(see Appendix III, Chapter 75, Subchapter D)

I.D. No. PAD000427906
Monitoring Point No. [illegible]
Sample Date [illegible]

HAZARDOUS WASTE MONITORING QUARTERLY REPORT

(Enter all data in mg/l except as indicated).

		(t^*) weighted t-statistic	(t_c) comparison t-statistic	SIGNIFICANT CHANGE? (circle one)	
(00403)	pH (SU) (use two-tailed test)	____	____	Y	N
(00095)	Spec. Cond. (umhos/cm)	____	____	Y	N
(00630)	Total Organic Carbon	____	____	Y	N
(70353)	Total Organic Halogen (ug/l)	____	____	Y	N
( )	____				

Name, Address and Title of Individual Performing the Tests for Significance:

Barbara A. Koptcho, Staff Engineer
WOODWARD-CLYDE CONSULTANTS
5120 BUTLER PIKE
PLYMOUTH MEETING, PA 19462

Philadelphia Coke Company
I.D. No. PAD000427906

Monitoring Point: MW-6
Sample Date: 8 14 97

Summary of Volatile Organic Compounds (EPA 624)

Compound	Units	Conc	Quant Limit
Ethylbenzene	µg/l	BQL	1
Toluene	µg/l	BQL	1
Tetrachloroethene	µg/l	BQL	1
Trichloroethene	µg/l	BQL	1
Benzene	µg/l	BQL	1

BQL = Below quantitation limit

Philadelphia Coke Company
I.D. No. PAD000427906

Monitoring Point: MW-6
Sample Date: 5 28 97

Summary of Base Neutral Compounds (EPA 625)(continued)

Compound	Units	Conc	Quant Limit
Naphthalene	µg/l	BQL	10
Acenaphthylene	µg/l	BQL	20
Acenaphthene	µg/l	60	20
Fluorene	µg/l	9.9	2.0
Phenanthrene	µg/l	BQL	2.0
Anthracene	µg/l	BQL	1.0
Fluoranthene	µg/l	BQL	0.50
Pyrene	µg/l	BQL	2.0
Benzo(a)anthracene	µg/l	0.46	0.10
Chrysene	µg/l	BQL	1.0
Benzo(b)fluoranthene	µg/l	BQL	0.20
Benzo(k)fluoranthene	µg/l	0.20	0.10
Benzo(a)pyrene	µg/l	0.41	0.20
Indeno(1,2,3-c,d)pyrene	µg/l	BQL	0.50
Dibenz(a,h)anthracene	µg/l	BQL	0.20
Benzo(g,h,i)perylene	µg/l	0.59	0.50

BQL = Below quantitation limit

Philadelphia Coke Company
I.D. No. PAD000427906

Monitoring Point: MW-6

One-Way Parametric Analysis of Variance
Summary of Significance Test Results

Analysis includes all data from First Quarter 1989 through Third Quarter 1997

	Compared to Background Data (MW-4R):	
Parameter	**Significantly Higher**	**Significantly Lower**
pH	YES	NO
TOC	NO	NA
TOX	NO	NA
Specific Conductance	NO	NA

NA = Not Applicable

Note: Significance evaluated at the 5% level.

Woodward-Clyde Consultants

Engineering, scientific, and [illegible] the earth's [illegible] environment

December 1, 1997
87C2839A-8

Mr. Tom Cunningham
Pennsylvania Department of Environmental Protection
BWQM
Lee Park Suite 6010
555 North Lane
Conshohocken, PA 19428

RE: Quarterly Groundwater Monitoring Report
for Philadelphia Coke Company

Dear Mr. Cunningham:

Woodward-Clyde Consultants (WCC) is pleased to submit Philadelphia Coke Company's Groundwater Monitoring Report for the Third Quarter, 1997. This report includes the statistical test for significant change required for certain parameters at RCRA sites. Following the selection criteria described by the USEPA in its Interim Final Guidance on Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities (April 1989), WCC continues to use the one-way parametric analysis of variance, since it is recognized as the most appropriate statistical method for this site.

Please contact us with any questions you may have.

Very truly yours,

Barbara A. Koptcho
Staff Engineer

Enclosures

[illegible] Meeting Road • Blue Bell, Pennsylvania [illegible]

ER-WM-03: 5/89

Date Prepared

11-5-97

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF WASTE MANAGEMENT

I.D. Number

PAD000427906

HAZARDOUS WASTE MONITORING QUARTERLY REPORT

(To be submitted quarterly for all monitoring wells)

DEC 05 1997

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided herein. Replacement/substitution of or attachment to this form is prohibited. Improperly completed forms may be rejected by the Department, may be considered to be violations of the Department's Rules and Regulations, and may result in assessment of fines and penalties.

General References: Sections 75.265(n)(8), 75.265(n)(11)(ii), 75.265(n)(14), 75.264(n)(11), 75.264(n)(15), 75.264(n)(17)

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS.S"). Datum NAD 27

Facility Name: Philadelphia Coke Company

Monitoring Point Number: MW-1R

X Well ___ Spring ___ Stream ___ Other

___ Upgradient X Downgradient

Location: County Philadelphia

Municipality Philadelphia

Sampling Point: Latitude: 39° 59' ___.___"

Longitude: 75° 04' ___.___"

Depth to Water Level: 8.91 ft.

Measured from: ___ Land Surface X TOC

Elevation of Water Level: 5.64 ft./MSL

Casing Stick Up: 1.56 ft.

Sampling Method: ___ Pumped X Bailed

Sampling Depth: 6.6 - 16.6 ft.

___ Grab

Well Purged: X Yes ___ No

Well Volumes Purged: 3

Sample Filtered: ___ Yes X No

Filter Pore Size: NA microns

Spring Flow Rate: NA GPM

Sample Collection Time: 1200

Sample Date: (mm/dd/yy) 8/14/97

Sample Collectors Name: B. Koptcho, J. Miller

Sample Collectors Affiliation: Woodward-Clyde Consultants

Laboratory Performing Analysis: Lancaster Laboratories, Inc.

Lab Analysis Date: 9/7/97

Lab Sample Number: WW2761050

Comments:

I.D. No. PAD000627906
Monitoring Point No. MW-15
Sample Date 8/24/[illegible]

HAZARDOUS WASTE MONITORING QUARTERLY REPORT

I. PARAMETERS USED AS INDICATORS OF GROUND WATER CONTAMINATION – RESULTS

Replicates (Enter all data in mg/l except as indicated

STORET NO.	PARAMETERS	VALUES				ANALYSIS METHOD NUMBER
(00403)	pH (SU)	7.1[illegible]				EPA 150.[illegible]
(00095)	Spec. Cond. (umhos/cm)	3,55[illegible]				EPA 120.[illegible]
(00680)	Total Organic Carbon	40.[illegible]				EPA 415.[illegible]
(70353)	Total Organic Halogen (ug/l)	23.[illegible]				EPA 9020
( )						

II. TESTS FOR SIGNIFICANCE - CALCULATIONS

(attach all necessary data) One-way parametric analysis of variance used— see attached summary

A. Arithmetic results for this quarter (background values based on first year's sample results upgradient wells; or as otherwise approved by the Department).

(Enter all data in mg/l except as indicated).

		$(\bar{X}_b)$ Background Mean	(S_b^2) Background Variance	(X_m) Monitoring Mean	(S_m^2) Monitoring Variance
(00403)	pH (SU)				
(00095)	Spec. Cond. (umhos/cm)				
(00680)	Total Organic Carbon				
(70353)	Total Organic Halogen (ug/l)				
( )					

B. Student's T-Test (at the specified level of significance using Cochran's Approximation or Behrens-Fisher single-tailed solution of the comparison of two independent samples with population variances; or an equivalent approved method).

Level of Significance Used – .01 .05 (circle

(see Appendix III, Chapter 75, Subchapter

I.D. No. PAD000427906
Monitoring Point No. MW-1R
Sample Date [illegible]/97

HAZARDOUS WASTE MONITORING QUARTERLY REPORT

(Enter all data in mg/l except as indicated).

		(t*) weighted t-statistic	(t_d) comparison t-statistic	SIGNIFICANT CHANGE? (circle one)	
(00403)	pH (SU) (use two-tailed test)	____	____	Y	N
(00095)	Spec. Cond. (umhos/cm)	____	____	Y	N
(00680)	Total Organic Carbon	____	____	Y	N
(70353)	Total Organic Halogen (ug/l)	____	____	Y	N
( )	____				

Name, Address and Title of Individual Performing the Tests for Significance:

Barbara A. Koptcho, Staff Engineer

WOODWARD-CLYDE CONSULTANTS

5120 BUTLER PIKE

PLYMOUTH MEETING, PA 19462

Philadelphia Coke Company
I.D. No. PAD000427906

Monitoring Point: MW-1R
Sample Date: 8 14.97

Summary of Volatile Organic Compounds (EPA 624)

Compound	Units	Conc	Quant Limit
Ethylbenzene	µg/l	BQL	1
Toluene	µg/l	BQL	1
Tetrachloroethene	µg/l	BQL	1
Trichloroethene	µg/l	BQL	1
Benzene	µg/l	BQL	1

BQL = Below quantitation limit

Philadelphia Coke Company
I.D No. PAD000427906

Monitoring Point: MW-1R
Sample Date: 8/14/97

Summary of Base Neutral Compounds (EPA 625)(continued)

Compound	Units	Conc	Quant Limit
Naphthalene	µg/l	BQL	10
Acenaphthylene	µg/l	BQL	20
Acenaphthene	µg/l	BQL	20
Fluorene	µg/l	BQL	2.0
Phenanthrene	µg/l	BQL	2.0
Anthracene	µg/l	BQL	1.0
Fluoranthene	µg/l	BQL	0.50
Pyrene	µg/l	BQL	2.0
Benzo(a)anthracene	µg/l	BQL	0.10
Chrysene	µg/l	BQL	1.0
Benzo(b)fluoranthene	µg/l	BQL	0.20
Benzo(k)fluoranthene	µg/l	BQL	0.10
Benzo(a)pyrene	µg/l	BQL	0.20
Indeno(1,2,3-c,d)pyrene	µg/l	BQL	0.50
Dibenz(a,h)anthracene	µg/l	BQL	0.20
Benzo(g,h,i)perylene	µg/l	BQL	0.50

BQL = Below quantitation limit

Philadelphia Coke Company
I.D. No. PAD000427906

Monitoring Point: MW-1R

One-Way Parametric Analysis of Variance
Summary of Significance Test Results

Analysis includes all data from First Quarter 1989 through Third Quarter 1997

	Compared to Background Data (MW-4R):	
Parameter	**Significantly Higher**	**Significantly Lower**
pH	NO	YES
TOC	NO	NA
TOX	YES	NA
Specific Conductance	YES	NA

NA = Not Applicable

Note: Significance evaluated at the 5% level.

1500-FM-LAB0013.1 6/95

97006867

AB Use Only

Lab Number

Date Received 11/20/97

Matrix Code 1

ESTABLISHMENT	CASE	FACILITY	COLL NUMBER
Phila Coke Co	1998 CME	MW-1R	2141

COUNTY	MUNICIPALITY	GRANT CODE	COLL NAME/PHONE NUMBER	TYPE TR	STD ANALYSS
Phila	Phila	BWM	Cunningham 610-832-6165	ICE	VOA

CARD (3)	ID CODE (ALL CARDS) 4-16	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24	TIME 25-8	KRC 29
1 / 2	Cnty Mun T Est Case Fac.		0	M D Y: 1 1 1 9 9 7	Hr Min: 1 0 1 3	

USGS -Q 30-34	BUREAU 35-37 AMS	SAMPLE NUMBER 38-43	STREAM NAME 44-57	RELATIVE POINT 58
	3 0 0	2 1 4 1 5 7 0		

FULL DESCRIPTION WHERE SAMPLE TAKEN:

REQUESTED LAB ANALYSES: VOA

CUSTODY LOG

How Shipped U.S. Cargo Date 11/14/97

Legal Seal No. C023066

Received by: [illegible]

Legal Seal Condition: Intact

* Fixed w/ HCl

DEC 05 1997

QUALITATIVE REPORT

DO NOT WRITE BELOW THIS LINE

QUANTITATIVE RESULTS

ANALYSIS:	UNITS:	ANALYSIS CODE	RESULTS (SHOW DECIMAL POINTS ON LINES)

CHLORINE PRESENT IN SAMPLE

____ YES X NO

ANALYST [signature] SIGNATURE

DATE 12/1/97

DHR

ORGANIC LABORATORY QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit is reported.

J - Indicates an estimated value, below the quantitation limit, but above the method detection limit.

N - Indicates presumptive evidence of a compound.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

P - This flag is used with a target analyte when there is greater than a 25% difference between the results obtained from the primary and confirmation columns for dual column analysis methods. (ie, pesticides, triazines, PCB's, etc). The reported value is the average of the two results.

Q - This flag identifies the average of multiple results from multiple analysis, or the average of the averages of dual column analysis methods.

___ - (Underline) - The compound is present at the amount reported. No flag.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

1ADL
VOLATILE ORGANICS ANALYSIS DATA SHEET
MULTIPLE DILUTION RESULTS

EPA SAMPLE NO.

2141570

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A112097

Matrix: (soil/water) WATER Lab Sample ID: 97006867

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 6867

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:

Concentrated Extract Volume:_____(uL) Date Analyzed: 11/20/97

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	2.8	B
71-43-2	Benzene	0.50	U
108-86-1	Bromobenzene	0.50	U
75-27-4	Bromodichloromethane	0.50	U
75-25-2	Bromoform	0.50	U
74-83-9	Bromomethane	2.0	U
78-93-3	2-Butanone (MEK)	2.5	U
104-51-8	n-Butylbenzene	0.50	U
75-15-0	Carbon disulfide	0.12	J
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
110-75-8	2-Chloroethylvinylether	0.50	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
95-49-8	o-Chlorotoluene	0.50	U
106-43-4	p-Chlorotoluene	0.50	U
124-48-1	Dibromochloromethane	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane (EDB)	0.50	U
74-95-3	Dibromomethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
67-64-1	Dichlorodifluoromethane	0.50	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-09-2	Dichloromethane	0.30	JB
78-87-5	1,2-Dichloropropane	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U

1ADL

VOLATILE ORGANICS ANALYSIS DATA SHEET
MULTIPLE DILUTION RESULTS

EPA SAMPLE NO.

2141570

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A112097

Matrix: (soil/water) WATER Lab Sample ID: 97006867

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 6867

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:

Concentrated Extract Volume:_____(uL) Date Analyzed: 11/20/97

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
594-20-7	2,2-Dichloropropane	0.50	U
98-06-6	1,1-Dimethylethylbenzene (t-	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
563-58-6	1,1-Dichloro-1-propene	0.50	U
100-41-4	Ethylbenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
591-78-6	2-Hexanone	5.0	U
99-87-6	4-Isopropyltoluene	0.50	U
1634-04-4	2-Methoxy-2-methylpropane	0.50	U
98-82-8	1-Methylethylbenzene (isopro	0.50	U
108-10-1	4-Methyl-2-pentonone (MIBK)	2.5	U
135-98-8	1-Methylpropylbenzene (sec-B	0.50	U
91-20-3	Naphthalene	1.0	U
103-65-1	n-Propylbenzene	0.50	U
100-42-5	Styrene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
109-99-9	Tetrahydrofuran	1.0	U
108-88-3	Toluene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
79-01-6	Trichloroethene (TCE)	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
108-05-4	Vinyl acetate	0.50	U
75-01-4	Vinyl Chloride	0.50	U
108-38-3	m/p-Xylene	0.50	U

1ADL
VOLATILE ORGANICS ANALYSIS DATA SHEET
MULTIPLE DILUTION RESULTS

EPA SAMPLE NO.

2141570

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A112097

Matrix: (soil/water) WATER Lab Sample ID: 97006867

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 6867

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:

Concentrated Extract Volume:_____(uL) Date Analyzed: 11/20/97

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	o-Xylene	0.50	U

FORM I PEST

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES

DEC 29 1997

LABORATORY REPORT
FOR SAMPLE NUMBER H9763255

RECEIVED 11/20/97
REPORTED 12/24/97

COLLECTOR	TOM CUNNINGHAM BWM	SAMPLING DATE	11/19/97
COLLECTOR NO.	2141571	SAMPLING TIME	10:15
ESTABLISHMENT	PHILA COKE CO	STANDARD ANAL	208
CASE NAME	1998 CME	TYPE CODE	
FACILITY	MW-1R	WQN	
ID CODE		STREAM CODE	
		RIVER MILE IND	

SEAL INTACT SEAL NO(S) C22067 C22068

TEST	DESCRIPTION		RESULT	CONC	VERIFY	BY	VERIFY DATE
00095	SPEC CONDUCT		4080.0000		G	SLH	11/24/97
00403	PH LAB		7.1000		G	HWS	11/20/97
00410	T ALK CACO3		1288.0000	MG/L	G	HWS	11/20/97
00610A	NH3-N		94.6000	MG/L	G	HEM	11/21/97
00620A	NO3-N	<	0.0400	MG/L	G	BLF	11/21/97
00680	C TOT ORGANC		58.7000	MG/L	G	WVM	11/20/97
00918A	CA TOT REC		249.0000	MG/L	G	DHN	12/02/97
00921A	MG TOT REC		381.0000	MG/L	G	DHN	12/02/97
00923A	NA TOT REC		96.9000	MG/L	G	DHN	12/02/97
00939A	K TOT REC		33.9000	MG/L	G	MYM	11/26/97
00940A	CL		128.0000	MG/L	G	HEM	11/21/97
00945A	SO4 TOTAL		1200.0000	MG/L	G	RVT	11/21/97
00951	FLUORIDE TOT		0.5700	MG/L	G	FFV	11/21/97
00978H	AS TOT REC		31.2000	UG/L	G	DES	11/21/97
00980A	FE TOT REC		20900.0000	UG/L	G	DHN	12/02/97
00981H	SE TOT REC	<	7.0000	UG/L	G	DES	11/21/97
01009A	BA TOT REC		73.0000	UG/L	G	DHN	12/02/97
01027A	CD	<	10.0000	UG/L	G	CAG	12/23/97
01034A	CR TOT	<	50.0000	UG/L	G	CAG	12/23/97
01067A	NI	<	50.0000	UG/L	G	CAG	12/23/97
01079A	AG TOT REC	<	10.0000	UG/L	G	DHN	12/02/97
01094A	ZN TOT REC		140.0000	UG/L	G	DHN	12/02/97
01105A	AL		1670.0000	UG/L	G	CAG	12/23/97
01113H	CD TOT REC		1.5000	UG/L	G	DES	11/21/97
01114H	PB TOT REC		9.5000	UG/L	G	DES	11/21/97
01118H	CR TOT REC		8.8000	UG/L	G	DES	11/21/97
01119A	CU TOT REC		50.0000	UG/L	G	DHN	12/02/97
01123A	MN TOT REC		2270.0000	UG/L	G	DHN	12/02/97
71901X	MERCURY REC	<	1.0000	UG/L	G	DHN	11/25/97
82079	TURBIDITY		129.0000	NTU	G	DHN	11/20/97

TOTAL NUMBER OF TESTS FOR THIS SAMPLE 30

1500-FM-LAB0013.1 6/95

97006868

LAB Use Only

Lab Number

Date Received 11/20/97

Matrix Code 1

ESTABLISHMENT	CASE	FACILITY	COLL NUMBER
Phila. Coke Co.	1998 CME	MW-2R	2141

COUNTY	MUNICIPALITY	GRANT CODE	COLL NAME/PHONE NUMBER	TYPE TR	STD ANALYSIS
Phila.	Phila.	BWM	Cunningham 610-832-6165	ICE	VOA

CARD (3)	ID CODE (ALL CARDS) 4-16						LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24			TIME 25-8		KIND 29
1 / 2	Cnty	Mun	T	Est	Case	Fac.			M	D	Y	Hr	Min	
								0	1 1	1 9	9 7	1 0	4 5	

USGS-Q 30-34		BUREAU 35-37 AMIS	SAMPLE NUMBER 38-43	STREAM NAME 44-57	RELATIVE POINT 58
		3 0 0	2 1 4 1 5 7 2		

FULL DESCRIPTION WHERE SAMPLE TAKEN:

REQUESTED LAB ANALYSES

CUSTODY LOG

How Shipped U.S. Cargo Date 11/19/97

Legal Seal No. C022069

Received by: Dw

Legal Seal Condition: ~~Intact~~

* Fixed w/ HCl

VOA

QUALITATIVE REPORT

DO NOT WRITE BELOW THIS LINE

Note ~~Naphthlene out of control range~~

Naphthlalene calibration check out of control range. Value may be biased by as much as 35%

QUANTITATIVE RESULTS

ANALYSIS:	UNITS:	ANALYSIS CODE	RESULTS (SHOW DECIMAL POINTS ON LINES)

CHLORINE PRESENT IN SAMPLE

_____ YES ___X___ NO

ANALYST [signature] SIGNATURE

DATE 12/1/97

ORGANIC LABORATORY QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit is reported.

J - Indicates an estimated value, below the quantitation limit, but above the method detection limit.

N - Indicates presumptive evidence of a compound.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

P - This flag is used with a target analyte when there is greater than a 25% difference between the results obtained from the primary and confirmation columns for dual column analysis methods. (ie, pesticides, triazines, PCB's, etc). The reported value is the average of the two results.

Q - This flag identifies the average of multiple results from multiple analysis, or the average of the averages of dual column analysis methods.

___ - (Underline) - The compound is present at the amount reported. No flag.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

1ADL
VOLATILE ORGANICS ANALYSIS DATA SHEET
MULTIPLE DILUTION RESULTS

EPA SAMPLE NO.

2141572

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A112097

Matrix: (soil/water) WATER Lab Sample ID: 97006868

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 6868

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:

Concentrated Extract Volume:_____(uL) Date Analyzed: 11/20/97

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	1.6	JB
71-43-2	Benzene	26	
108-86-1	Bromobenzene	0.50	U
75-27-4	Bromodichloromethane	0.50	U
75-25-2	Bromoform	0.50	U
74-83-9	Bromomethane	2.0	U
78-93-3	2-Butanone (MEK)	2.5	U
104-51-8	n-Butylbenzene	0.50	U
75-15-0	Carbon disulfide	2.8	
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.068	J
75-00-3	Chloroethane	0.50	U
110-75-8	2-Chloroethylvinylether	0.50	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
95-49-8	o-Chlorotoluene	0.50	U
106-43-4	p-Chlorotoluene	0.50	U
124-48-1	Dibromochloromethane	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane (EDB)	0.50	U
74-95-3	Dibromomethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
67-64-1	Dichlorodifluoromethane	0.50	U
75-34-3	1,1-Dichloroethane	0.13	J
107-06-2	1,2-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.26	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-09-2	Dichloromethane	0.27	JB
78-87-5	1,2-Dichloropropane	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U

1ADL
VOLATILE ORGANICS ANALYSIS DATA SHEET
MULTIPLE DILUTION RESULTS

EPA SAMPLE NO.

2141572

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A112097

Matrix: (soil/water) WATER Lab Sample ID: 97006868

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 6868

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:

Concentrated Extract Volume:_____(uL) Date Analyzed: 11/20/97

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
594-20-7	2,2-Dichloropropane	0.50	U
98-06-6	1,1-Dimethylethylbenzene (t-	0.28	J
10061-01-5	cis-1,3-Dichloropropene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
563-58-6	1,1-Dichloro-1-propene	0.50	U
100-41-4	Ethylbenzene	0.72	
87-68-3	Hexachlorobutadiene	0.50	U
591-78-6	2-Hexanone	5.0	U
99-87-6	4-Isopropyltoluene	0.50	U
1634-04-4	2-Methoxy-2-methylpropane	0.18	J
98-82-8	1-Methylethylbenzene (isopro	0.76	
108-10-1	4-Methyl-2-pentonone (MIBK)	2.5	U
135-98-8	1-Methylpropylbenzene (sec-B	0.50	U
91-20-3	Naphthalene	34	E
103-65-1	n-Propylbenzene	0.50	U
100-42-5	Styrene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
109-99-9	Tetrahydrofuran	1.0	U
108-88-3	Toluene	0.27	J
87-61-6	1,2,3-Trichlorobenzene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
79-01-6	Trichloroethene (TCE)	0.13	J
75-69-4	Trichlorofluoromethane	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.22	J
108-05-4	Vinyl acetate	0.50	U
75-01-4	Vinyl Chloride	0.50	U
108-38-3	m/p-Xylene	0.36	J

1ADL

VOLATILE ORGANICS ANALYSIS DATA SHEET
MULTIPLE DILUTION RESULTS

EPA SAMPLE NO.

2141572

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A112097

Matrix: (soil/water) WATER Lab Sample ID: 97006868

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 6868

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:

Concentrated Extract Volume:_____(uL) Date Analyzed: 11/20/97

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	o-Xylene	0.16	J

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES

LABORATORY REPORT
FOR SAMPLE NUMBER H9763256

RECEIVED 11/20/97
REPORTED 12/24/97

COLLECTOR	TOM CUNNINGHAM BWM	SAMPLING DATE	11/19/97
COLLECTOR NO.	2141573	SAMPLING TIME	10:45
ESTABLISHMENT	PHILA COKE CO	STANDARD ANAL	208
CASE NAME	1998 CME	TYPE CODE	
FACILITY	MW-2R	WQN	
ID CODE		STREAM CODE	
		RIVER MILE IND	

SEAL INTACT SEAL NO(S) C22070 C22071

TEST	DESCRIPTION		RESULT	CONC	VERIFY	BY	VERIFY DATE
00095	SPEC CONDUCT		1631.0000		G	SLH	11/24/97
00403	PH LAB		8.2000		G	HWS	11/20/97
00410	T ALK CACO3		166.0000	MG/L	G	HWS	11/20/97
00610A	NH3-N		33.1000	MG/L	G	HEM	11/21/97
00620A	NO3-N	<	0.0400	MG/L	G	BLF	11/21/97
00680	C TOT ORGANC		24.8000	MG/L	G	WVM	11/20/97
00918A	CA TOT REC		131.0000	MG/L	G	DHN	12/02/97
00921A	MG TOT REC		44.2000	MG/L	G	DHN	12/02/97
00923A	NA TOT REC		85.4000	MG/L	G	DHN	12/02/97
00939A	K TOT REC		57.3000	MG/L	G	MYM	11/26/97
00940A	CL		31.0000	MG/L	G	HEM	11/21/97
00945A	SO4 TOTAL		529.0000	MG/L	G	RVT	11/21/97
00951	FLUORIDE TOT		0.3100	MG/L	G	FFV	11/21/97
00978H	AS TOT REC		5.6000	UG/L	G	DES	11/21/97
00980A	FE TOT REC		119.0000	UG/L	G	DHN	12/02/97
00981H	SE TOT REC	<	7.0000	UG/L	G	DES	11/21/97
01009A	BA TOT REC		36.0000	UG/L	G	DHN	12/02/97
01027A	CD	<	10.0000	UG/L	G	CAG	12/23/97
01034A	CR TOT	<	50.0000	UG/L	G	CAG	12/23/97
01067A	NI	<	50.0000	UG/L	G	CAG	12/23/97
01079A	AG TOT REC	<	10.0000	UG/L	G	DHN	12/02/97
01094A	ZN TOT REC		11.0000	UG/L	G	DHN	12/02/97
01105A	AL	<	200.0000	UG/L	G	CAG	12/23/97
01113H	CD TOT REC		0.2000	UG/L	G	DES	11/21/97
01114H	PB TOT REC	<	1.0000	UG/L	G	DES	11/21/97
01118H	CR TOT REC	<	4.0000	UG/L	G	DES	11/21/97
01119A	CU TOT REC	<	10.0000	UG/L	G	DHN	12/02/97
01123A	MN TOT REC		13.0000	UG/L	G	DHN	12/02/97
71901X	MERCURY REC	<	1.0000	UG/L	G	DHN	11/25/97
82079	TURBIDITY	<	1.0000	NTU	G	DHN	11/20/97

TOTAL NUMBER OF TESTS FOR THIS SAMPLE 30

1500-FM-LAB0013.1 12 96

Use Only

Number

Received 11/20/97

Code 1

97006869

ESTABLISHMENT	CASE	FACILITY	COLL NUMBER
Phila Coke Co.	1998 CME	MW-3	2141

COUNTY	MUNICIPALITY	GRANT CODE	COLL NAME PHONE NUMBER	TYPE TR	STD ANALYSIS
Phila.	Phila	BWM	Cunningham 610-832-6165	ICE	VOA

CARD (3)	ID CODE (ALL CARDS) 4-16	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24	TIME 25-8	KIND 29
1 / 2	Cnty. Mun T Est Case Fac		0	M D Y: 1 1 1 9 9 7	Hr Min: 1 0 0 0	

USGS-Q 30-34	BUREAU 35-37 AMIS	SAMPLE NUMBER 38-43	STREAM NAME 44-57	RELATIVE POINT 58
	3 0 0	2 1 4 1 5 7 4		

FULL DESCRIPTION WHERE SAMPLE TAKEN

REQUESTED LAB ANALYSES

CUSTODY LOG

How Shipped U.S. Cargo Date 11/19/97

Legal Seal No. C022072

Received by lw

Legal Seal Condition Intact

* Fixed w/ HCl

VOA

QUALITATIVE REPORT

DO NOT WRITE BELOW THIS LINE

DEC 05 1997

QUANTITATIVE RESULTS

ANALYSIS:	UNITS:	ANALYSIS CODE	RESULTS (SHOW DECIMAL POINTS ON LINES)

pH of VOA Sample

<2 >2

CHLORINE PRESENT IN SAMPLE

YES X NO

ANALYST SIGNATURE

DATE 12/1/97

PM

ORGANIC LABORATORY QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit is reported.

J - Indicates an estimated value, below the quantitation limit, but above the method detection limit.

N - Indicates presumptive evidence of a compound.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

P - This flag is used with a target analyte when there is greater than a 25% difference between the results obtained from the primary and confirmation columns for dual column analysis methods. (ie, pesticides, triazines, PCB's, etc). The reported value is the average of the two results.

Q - This flag identifies the average of multiple results from multiple analysis, or the average of the averages of dual column analysis methods.

___ - (Underline) - The compound is present at the amount reported. No flag.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

1ADL
VOLATILE ORGANICS ANALYSIS DATA SHEET
MULTIPLE DILUTION RESULTS

EPA SAMPLE NO.

2141574

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A112097

Matrix: (soil/water) WATER Lab Sample ID: 97006869

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 6869

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:

Concentrated Extract Volume:_____(uL) Date Analyzed: 11/20/97

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	1.3	JB
71-43-2	Benzene	0.50	U
108-86-1	Bromobenzene	0.50	U
75-27-4	Bromodichloromethane	0.50	U
75-25-2	Bromoform	0.50	U
74-83-9	Bromomethane	2.0	U
78-93-3	2-Butanone (MEK)	2.5	U
104-51-8	n-Butylbenzene	0.50	U
75-15-0	Carbon disulfide	0.30	J
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
110-75-8	2-Chloroethylvinylether	0.50	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
95-49-8	o-Chlorotoluene	0.50	U
106-43-4	p-Chlorotoluene	0.50	U
124-48-1	Dibromochloromethane	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane (EDB)	0.50	U
74-95-3	Dibromomethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
67-64-1	Dichlorodifluoromethane	0.50	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-09-2	Dichloromethane	0.26	JB
78-87-5	1,2-Dichloropropane	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U

1ADL
VOLATILE ORGANICS ANALYSIS DATA SHEET
MULTIPLE DILUTION RESULTS

EPA SAMPLE NO.

2141574

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A112097

Matrix: (soil/water) WATER Lab Sample ID: 97006869

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 6869

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:

Concentrated Extract Volume:_____(uL) Date Analyzed: 11/20/97

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
594-20-7	2,2-Dichloropropane	0.50	U
98-06-6	1,1-Dimethylethylbenzene (t-	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
563-58-6	1,1-Dichloro-1-propene	0.50	U
100-41-4	Ethylbenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
591-78-6	2-Hexanone	5.0	U
99-87-6	4-Isopropyltoluene	0.50	U
1634-04-4	2-Methoxy-2-methylpropane	0.50	U
98-82-8	1-Methylethylbenzene (isopro	0.50	U
108-10-1	4-Methyl-2-pentonone (MIBK)	2.5	U
135-98-8	1-Methylpropylbenzene (sec-B	0.50	U
91-20-3	Naphthalene	1.0	U
103-65-1	n-Propylbenzene	0.50	U
100-42-5	Styrene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
109-99-9	Tetrahydrofuran	1.0	U
108-88-3	Toluene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
79-01-6	Trichloroethene (TCE)	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
108-05-4	Vinyl acetate	0.50	U
75-01-4	Vinyl Chloride	0.50	U
108-38-3	m/p-Xylene	0.50	U

1ADL
VOLATILE ORGANICS ANALYSIS DATA SHEET
MULTIPLE DILUTION RESULTS

EPA SAMPLE NO.

2141574

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A112097

Matrix: (soil/water) WATER Lab Sample ID: 97006869

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 6869

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:

Concentrated Extract Volume:_____(uL) Date Analyzed: 11/20/97

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	o-Xylene	0.50	U

FORM I PEST

1500-FM-LA30013.1 12 96

97006870

LAB Use Only

Lab Number

Date Received 11/20/97

Matrix Code 1

ESTABLISHMENT	CASE	FACILITY	COLL NUMBER
Philo Coke Co.	1998 CME	MW-4R	2141

COUNTY	MUNICIPALITY	GRANT CODE	COLL NAME-PHONE NUMBER	TYPE TR	STD ANALYSIS
Philo	Philo	BWM	Cummingham 610-832-6165	ICE	VOA

CARD (3)	ID CODE (ALL CARDS) 4-16	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24	TIME 25-8	KIND 29
1 / 2	Cnty Mun T Est Case Fac		0	M D Y: 11 19 97	Hr Min: 11 15	

USGS-Q 30-34	BUREAU 35-37 AMIS	SAMPLE NUMBER 38-43	STREAM NAME 44-57	RELATIVE POINT 58
	3 0 0	2 1 4 1 5 7 6		

FULL DESCRIPTION WHERE SAMPLE TAKEN

CUSTODY LOG

How Shipped U.S. Cargo Date 11/19/97

Legal Seal No C022075

Received by Dur

Legal Seal Condition Intact

* Fixed w/ HCl

REQUESTED LAB ANALYSES

VOA

QUALITATIVE REPORT

DO NOT WRITE BELOW THIS LINE

DEC 05 1997

QUANTITATIVE RESULTS

ANALYSIS:	UNITS:	ANALYSIS CODE	RESULTS (SHOW DECIMAL POINTS ON LINES)
pH of VOA Sample			
<2	>2		

CHLORINE PRESENT IN SAMPLE

____ YES X NO

ANALYST [signature] SIGNATURE

DATE 12/1/97

PH 2

ORGANIC LABORATORY QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit is reported.

J - Indicates an estimated value, below the quantitation limit, but above the method detection limit.

N - Indicates presumptive evidence of a compound.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

P - This flag is used with a target analyte when there is greater than a 25% difference between the results obtained from the primary and confirmation columns for dual column analysis methods. (ie, pesticides, triazines, PCB's, etc). The reported value is the average of the two results.

Q - This flag identifies the average of multiple results from multiple analysis, or the average of the averages of dual column analysis methods.

___ - (Underline) - The compound is present at the amount reported. No flag.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

1ADL
VOLATILE ORGANICS ANALYSIS DATA SHEET
MULTIPLE DILUTION RESULTS

EPA SAMPLE NO.

2141576

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A112097

Matrix: (soil/water) WATER Lab Sample ID: 97006870

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 6870

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:

Concentrated Extract Volume:_____(uL) Date Analyzed: 11/20/97

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	1.7	JB
71-43-2	Benzene	0.50	U
108-86-1	Bromobenzene	0.50	U
75-27-4	Bromodichloromethane	0.50	U
75-25-2	Bromoform	0.50	U
74-83-9	Bromomethane	2.0	U
78-93-3	2-Butanone (MEK)	2.5	U
104-51-8	n-Butylbenzene	0.50	U
75-15-0	Carbon disulfide	0.34	J
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
110-75-8	2-Chloroethylvinylether	0.50	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
95-49-8	o-Chlorotoluene	0.50	U
106-43-4	p-Chlorotoluene	0.50	U
124-48-1	Dibromochloromethane	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane (EDB)	0.50	U
74-95-3	Dibromomethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
67-64-1	Dichlorodifluoromethane	0.50	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-09-2	Dichloromethane	0.26	JB
78-87-5	1,2-Dichloropropane	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U

1ADL

VOLATILE ORGANICS ANALYSIS DATA SHEET
MULTIPLE DILUTION RESULTS

EPA SAMPLE NO.

2141576

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A112097

Matrix: (soil/water) WATER Lab Sample ID: 97006870

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 6870

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:

Concentrated Extract Volume:_____(uL) Date Analyzed: 11/20/97

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
594-20-7	2,2-Dichloropropane	0.50	U
98-06-6	1,1-Dimethylethylbenzene (t-	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
563-58-6	1,1-Dichloro-1-propene	0.50	U
100-41-4	Ethylbenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
591-78-6	2-Hexanone	5.0	U
99-87-6	4-Isopropyltoluene	0.50	U
1634-04-4	2-Methoxy-2-methylpropane	0.50	U
98-82-8	1-Methylethylbenzene (isopro	0.50	U
108-10-1	4-Methyl-2-pentonone (MIBK)	2.5	U
135-98-8	1-Methylpropylbenzene (sec-B	0.50	U
91-20-3	Naphthalene	1.0	U
103-65-1	n-Propylbenzene	0.50	U
100-42-5	Styrene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
109-99-9	Tetrahydrofuran	1.0	U
108-88-3	Toluene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
79-01-6	Trichloroethene (TCE)	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
108-05-4	Vinyl acetate	0.50	U
75-01-4	Vinyl Chloride	0.50	U
108-38-3	m/p-Xylene	0.50	U

1ADL
VOLATILE ORGANICS ANALYSIS DATA SHEET
MULTIPLE DILUTION RESULTS

EPA SAMPLE NO.

2141576

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A112097

Matrix: (soil/water) WATER Lab Sample ID: 97006870

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 6870

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:

Concentrated Extract Volume:_____(uL) Date Analyzed: 11/20/97

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	o-Xylene	0.50	U

FORM I PEST

1500-FM-LAB0013.1 12/96

97006871

LAB Use Only

Lab Number

Date Received 11/20/97

Matrix Code 1

ESTABLISHMENT	CASE	FACILITY	COLL NUMBER
Phila Coke Co.	1498 CME	MW-5	2141

COUNTY	MUNICIPALITY	GRANT CODE	COLL NAME PHONE NUMBER	TYPE TR	STD ANALYSIS
Phila	Phila	BWM	[redacted] 610 832 6163	ICE	VOA

CARD (3) 1/2	ID CODE (ALL CARDS 4-16) Cnty	Mun	T	Est	Case	Fac	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24 M	D	Y	TIME 25-8 Hr	Min	KIND 29
								0	11	19	97	11	30	

USGS-Q 30-34	BUREAU 35-37 AMIS	SAMPLE NUMBER 38-43	STREAM NAME 44-57	RELATIVE POINT 58
	300	214157		

FULL DESCRIPTION WHERE SAMPLE TAKEN

CUSTODY LOG

How Shipped U.S. Cargo Date 11/19/97

Legal Seal No C022078

Received by Dur

Legal Seal Condition Intact

* Fixed w/ HCl

REQUESTED LAB ANALYSES

VOA

QUALITATIVE REPORT

DO NOT WRITE BELOW THIS LINE

QUANTITATIVE RESULTS

ANALYSIS:	UNITS:	ANALYSIS CODE	RESULTS (SHOW DECIMAL POINTS ON LINES)
pH of VOA Sample			
<2	>2		

CHLORINE PRESENT IN SAMPLE

____ YES X NO

ANALYST [signature] SIGNATURE

DATE 12/1/97

PM 2

ORGANIC LABORATORY QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit is reported.

J - Indicates an estimated value, below the quantitation limit, but above the method detection limit.

N - Indicates presumptive evidence of a compound.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

P - This flag is used with a target analyte when there is greater than a 25% difference between the results obtained from the primary and confirmation columns for dual column analysis methods. (ie, pesticides, triazines, PCB's, etc). The reported value is the average of the two results.

Q - This flag identifies the average of multiple results from multiple analysis, or the average of the averages of dual column analysis methods.

___ - (Underline) - The compound is present at the amount reported. No flag.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

1ADL
VOLATILE ORGANICS ANALYSIS DATA SHEET
MULTIPLE DILUTION RESULTS

EPA SAMPLE NO.

2141578

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A112097

Matrix: (soil/water) WATER Lab Sample ID: 97006871

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 6871

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:

Concentrated Extract Volume:_____(uL) Date Analyzed: 11/20/97

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	1.6	J
71-43-2	Benzene	0.38	J
108-86-1	Bromobenzene	0.50	U
75-27-4	Bromodichloromethane	0.50	U
75-25-2	Bromoform	0.50	U
74-83-9	Bromomethane	2.0	U
78-93-3	2-Butanone (MEK)	2.5	U
104-51-8	n-Butylbenzene	0.50	U
75-15-0	Carbon disulfide	0.30	J
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	14	
110-75-8	2-Chloroethylvinylether	0.50	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
95-49-8	o-Chlorotoluene	0.50	U
106-43-4	p-Chlorotoluene	0.50	U
124-48-1	Dibromochloromethane	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane (EDB)	0.50	U
74-95-3	Dibromomethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
67-64-1	Dichlorodifluoromethane	0.50	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
156-59-2	cis-1,2-Dichloroethene	44	
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-09-2	Dichloromethane	0.26	J
78-87-5	1,2-Dichloropropane	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U

1ADL

VOLATILE ORGANICS ANALYSIS DATA SHEET
MULTIPLE DILUTION RESULTS

EPA SAMPLE NO.

2141578

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A112097

Matrix: (soil/water) WATER Lab Sample ID: 97006871

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 6871

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:

Concentrated Extract Volume:_____(uL) Date Analyzed: 11/20/97

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
594-20-7	2,2-Dichloropropane	0.50	U
98-06-6	1,1-Dimethylethylbenzene (t-	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
563-58-6	1,1-Dichloro-1-propene	0.50	U
100-41-4	Ethylbenzene	1.7	
87-68-3	Hexachlorobutadiene	0.50	U
591-78-6	2-Hexanone	5.0	U
99-87-6	4-Isopropyltoluene	0.50	U
1634-04-4	2-Methoxy-2-methylpropane	0.50	U
98-82-8	1-Methylethylbenzene (isopro	1.3	
108-10-1	4-Methyl-2-pentonone (MIBK)	2.5	U
135-98-8	1-Methylpropylbenzene (sec-B	0.50	U
91-20-3	Naphthalene	1.0	U
103-65-1	n-Propylbenzene	0.20	J
100-42-5	Styrene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
109-99-9	Tetrahydrofuran	1.0	U
108-88-3	Toluene	0.10	J
87-61-6	1,2,3-Trichlorobenzene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
79-01-6	Trichloroethene (TCE)	1.3	
75-69-4	Trichlorofluoromethane	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1.1	
108-05-4	Vinyl acetate	0.50	U
75-01-4	Vinyl Chloride	0.50	U
108-38-3	m/p-Xylene	0.13	J

1ADL
VOLATILE ORGANICS ANALYSIS DATA SHEET
MULTIPLE DILUTION RESULTS

EPA SAMPLE NO.

2141578

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A112097

Matrix: (soil/water) WATER Lab Sample ID: 97006871

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 6871

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:

Concentrated Extract Volume:_____(uL) Date Analyzed: 11/20/97

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	o-Xylene	0.74	

FORM I PEST

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES

LABORATORY REPORT
FOR SAMPLE NUMBER H9763257

RECEIVED 11/20/97
REPORTED 12/24/97

COLLECTOR	TOM CUNNINGHAM BWM	SAMPLING DATE	11/19/97
COLLECTOR NO.	2141579	SAMPLING TIME	11:30
ESTABLISHMENT	PHILA COKE CO	STANDARD ANAL	208
CASE NAME	1998 CME	TYPE CODE	
FACILITY	MW-S	WQN	
ID CODE		STREAM CODE	
		RIVER MILE IND	

SEAL INTACT SEAL NO(S) C22079 C22080

TEST	DESCRIPTION		RESULT	CONC	VERIFY	BY	VERIFY DATE
00095	SPEC CONDUCT		432.0000		G	SLH	11/24/97
00403	PH LAB		6.3000		G	HWS	11/20/97
00410	T ALK CACO3		200.0000	MG/L	G	HWS	11/20/97
00610A	NH3-N		2.3700	MG/L	G	HEM	11/21/97
^0620A	NO3-N	<	0.0400	MG/L	G	BLF	11/21/97
0680	C TOT ORGANC		8.0000	MG/L	G	WVM	11/20/97
00918A	CA TOT REC		55.3000	MG/L	G	DHN	12/02/97
00921A	MG TOT REC		18.9000	MG/L	G	DHN	12/02/97
00923A	NA TOT REC		3.2000	MG/L	G	DHN	12/02/97
00939A	K TOT REC		2.9900	MG/L	G	MYM	11/26/97
00940A	CL		3.0000	MG/L	G	HEM	11/21/97
00945A	SO4 TOTAL		60.0000	MG/L	G	RVT	11/21/97
)951	FLUORIDE TOT	<	0.5000	MG/L	G	FFV	11/21/97
	COMMENT: INTERFERENCE						
00978H	AS TOT REC		6.9000	UG/L	G	DES	11/21/97
00980A	FE TOT REC		16000.0000	UG/L	G	DHN	12/02/97
00981H	SE TOT REC	<	7.0000	UG/L	G	DES	11/21/97
01009A	BA TOT REC		147.0000	UG/L	G	DHN	12/02/97
01027A	CD	<	10.0000	UG/L	G	CAG	12/23/97
01034A	CR TOT	<	50.0000	UG/L	G	CAG	12/23/97
1042A	CU TOT	<	10.0000	UG/L	G	CAG	12/23/97
1045A	FE		16900.0000	UG/L	G	CAG	12/23/97
01055A	MN		1140.0000	UG/L	G	CAG	12/23/97
01067A	NI	<	50.0000	UG/L	G	CAG	12/23/97
01079A	AG TOT REC	<	10.0000	UG/L	G	DHN	12/02/97
01092A	ZN,TOT UG/L	<	10.0000	UG/L	G	CAG	12/23/97
01094A	ZN TOT REC	<	10.0000	UG/L	G	DHN	12/02/97
01105A	AL	<	200.0000	UG/L	G	CAG	12/23/97
01113H	CD TOT REC	<	0.2000	UG/L	G	DES	11/21/97
01114H	PB TOT REC		3.5000	UG/L	G	DES	11/21/97
01118H	CR TOT REC	<	4.0000	UG/L	G	DES	11/21/97
01119A	CU TOT REC	<	10.0000	UG/L	G	DHN	12/02/97
01123A	MN TOT REC		1140.0000	UG/L	G	DHN	12/02/97

LABORATORY REPORT
FOR SAMPLE NUMBER H9763257

TEST	DESCRIPTION		RESULT	CONC	VERIFY	BY	VERIFY DATE
71901X	MERCURY REC	<	1.0000	UG/L	G	DHN	11/25/97
82079	TURBIDITY		22.0000	NTU	G	DHN	11/20/97

TOTAL NUMBER OF TESTS FOR THIS SAMPLE 34

1500-FM-LAB0013.1 12 96

LAB Use Only

97006872

Lab Number

Date Received 11/20/97

Matrix Code 1

ESTABLISHMENT	CASE	FACILITY	COLL NUMBER
Phila Coke Co.	1998 CME	MW-6	2141

COUNTY	MUNICIPALITY	GRANT CODE	COLL NAME PHONE NUMBER	TYPE TR	STD ANALYSIS
Phila	Phila	BWM	Cunningham 610-832-6165	ICE	VOA

CARD (3) 1/2	ID CODE (ALL CARDS) 4-16 Cnty Mun T Est Case Fac	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24 M D Y	TIME 25-8 Hr Min	KIND 29
			0	1 1 1 9 9 7	1 1 0 0	

USGS-Q 30-34		BUREAU 35-37 AMIS	SAMPLE NUMBER 38-43	STREAM NAME 44-57	RELATIVE POINT 58
		3 0 0	2 1 4 1 5 8 0		

FULL DESCRIPTION WHERE SAMPLE TAKEN

CUSTODY LOG

How Shipped V.S. Cargo Date 11/19/97

Legal Seal No. C022881

Received by lw

Legal Seal Condition. Intact

REQUESTED LAB ANALYSES

VOA

QUALITATIVE REPORT

DO NOT WRITE BELOW THIS LINE

QUANTITATIVE RESULTS

ANALYSIS:	UNITS:	ANALYSIS CODE	RESULTS (SHOW DECIMAL POINTS ON LINES)
pH of VOA Sample			
<2	>2		

CHLORINE PRESENT IN SAMPLE

____ YES ___X___ NO

ANALYST [signature] SIGNATURE

DATE 12/1/97

PM 2

ORGANIC LABORATORY QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit is reported.

J - Indicates an estimated value, below the quantitation limit, but above the method detection limit.

N - Indicates presumptive evidence of a compound.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

P - This flag is used with a target analyte when there is greater than a 25% difference between the results obtained from the primary and confirmation columns for dual column analysis methods. (ie, pesticides, triazines, PCB's, etc). The reported value is the average of the two results.

Q - This flag identifies the average of multiple results from multiple analysis, or the average of the averages of dual column analysis methods.

___ - (Underline) - The compound is present at the amount reported. No flag.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

1ADL

VOLATILE ORGANICS ANALYSIS DATA SHEET
MULTIPLE DILUTION RESULTS

EPA SAMPLE NO.

2141580

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A112097

Matrix: (soil/water) WATER Lab Sample ID: 97006872

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 6872

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:

Concentrated Extract Volume:_____(uL) Date Analyzed: 11/21/97

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	1.2	JB
71-43-2	Benzene	0.50	U
108-86-1	Bromobenzene	0.50	U
75-27-4	Bromodichloromethane	0.50	U
75-25-2	Bromoform	0.50	U
74-83-9	Bromomethane	2.0	U
78-93-3	2-Butanone (MEK)	2.5	U
104-51-8	n-Butylbenzene	0.50	U
75-15-0	Carbon disulfide	0.32	J
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
110-75-8	2-Chloroethylvinylether	0.50	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
95-49-8	o-Chlorotoluene	0.50	U
106-43-4	p-Chlorotoluene	0.50	U
124-48-1	Dibromochloromethane	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane (EDB)	0.50	U
74-95-3	Dibromomethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
67-64-1	Dichlorodifluoromethane	0.50	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-09-2	Dichloromethane	0.27	JB
78-87-5	1,2-Dichloropropane	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U

1ADL

VOLATILE ORGANICS ANALYSIS DATA SHEET
MULTIPLE DILUTION RESULTS

EPA SAMPLE NO.

2141580

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A112097

Matrix: soil/water) WATER Lab Sample ID: 97006872

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 6872

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:

Concentrated Extract Volume:_____(uL) Date Analyzed: 11/21/97

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
594-20-7	2,2-Dichloropropane	0.50	U
98-06-6	1,1-Dimethylethylbenzene (t-	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
563-58-6	1,1-Dichloro-1-propene	0.50	U
100-41-4	Ethylbenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
591-78-6	2-Hexanone	5.0	U
99-87-6	4-Isopropyltoluene	0.50	U
1634-04-4	2-Methoxy-2-methylpropane	0.50	U
98-82-8	1-Methylethylbenzene (isopro	0.50	U
108-10-1	4-Methyl-2-pentonone (MIBK)	2.5	U
135-98-8	1-Methylpropylbenzene (sec-B	0.50	U
91-20-3	Naphthalene	1.0	U
103-65-1	n-Propylbenzene	0.50	U
100-42-5	Styrene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
109-99-9	Tetrahydrofuran	1.0	U
108-88-3	Toluene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
79-01-6	Trichloroethene (TCE)	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
108-05-4	Vinyl acetate	0.50	U
75-01-4	Vinyl Chloride	0.50	U
108-38-3	m/p-Xylene	0.50	U

1ADL
VOLATILE ORGANICS ANALYSIS DATA SHEET
MULTIPLE DILUTION RESULTS

EPA SAMPLE NO.

2141580

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A112097

Matrix: (soil/water) WATER Lab Sample ID: 97006872

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 6872

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:

Concentrated Extract Volume:_____(uL) Date Analyzed: 11/21/97

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	o-Xylene	0.50	U

FORM I PEST

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES

LABORATORY REPORT
FOR SAMPLE NUMBER H9763258

RECEIVED 11/20/97
REPORTED 12/24/97

COLLECTOR	TOM CUNNINGHAM BWM	SAMPLING DATE	11/19/97
COLLECTOR NO.	2141581	SAMPLING TIME	11:00
ESTABLISHMENT	PHILA COKE CO	STANDARD ANAL	208
CASE NAME	1998 CME	TYPE CODE	
FACILITY	MW-6	WQN	
ID CODE		STREAM CODE	
		RIVER MILE IND	

SEAL INTACT SEAL NO(S) C22082 C22083

TEST	DESCRIPTION		RESULT	CONC	VERIFY	BY	VERIFY DATE
00095	SPEC CONDUCT		1438.0000		G	SLH	11/24/97
00403	PH LAB		7.1000		G	HWS	11/20/97
00410	T ALK CACO3		580.0000	MG/L	G	HWS	11/20/97
00610A	NH3-N		25.4000	MG/L	G	HEM	11/21/97
00620A	NO3-N	<	0.0400	MG/L	G	BLF	11/21/97
680	C TOT ORGANC		11.0000	MG/L	G	WVM	11/20/97
00918A	CA TOT REC		118.0000	MG/L	G	DHN	12/02/97
00921A	MG TOT REC		73.7000	MG/L	G	DHN	12/02/97
00923A	NA TOT REC		60.6000	MG/L	G	DHN	12/02/97
00939A	K TOT REC		5.5600	MG/L	G	MYM	11/26/97
00940A	CL		18.0000	MG/L	G	HEM	11/21/97
00945A	SO4 TOTAL		247.0000	MG/L	G	RVT	11/21/97
0951	FLUORIDE TOT		0.3100	MG/L	G	FFV	11/21/97
00978H	AS TOT REC		4.7000	UG/L	G	DES	11/21/97
00980A	FE TOT REC		4370.0000	UG/L	G	DHN	12/02/97
00981H	SE TOT REC	<	7.0000	UG/L	G	DES	11/21/97
01009A	BA TOT REC		95.0000	UG/L	G	DHN	12/02/97
01027A	CD	<	10.0000	UG/L	G	CAG	12/23/97
01034A	CR TOT	<	50.0000	UG/L	G	CAG	12/23/97
01067A	NI	<	50.0000	UG/L	G	CAG	12/23/97
01079A	AG TOT REC	<	10.0000	UG/L	G	DHN	12/02/97
094A	ZN TOT REC		41.0000	UG/L	G	DHN	12/02/97
105A	AL		1110.0000	UG/L	G	CAG	12/23/97
01113H	CD TOT REC		0.6000	UG/L	G	DES	11/21/97
01114H	PB TOT REC		21.3000	UG/L	G	DES	11/21/97
01118H	CR TOT REC		5.5000	UG/L	G	DES	11/21/97
01119A	CU TOT REC		10.0000	UG/L	G	DHN	12/02/97
01123A	MN TOT REC		2110.0000	UG/L	G	DHN	12/02/97
71901X	MERCURY REC	<	1.0000	UG/L	G	DHN	11/25/97
82079	TURBIDITY		14.0000	NTU	G	DHN	11/20/97

TOTAL NUMBER OF TESTS FOR THIS SAMPLE 30