TABLE H-2.1
Exposed Sediment in Canal - Selection of Chemical of Potential Concern
Gowanus Canal Remedial Investigation
Brooklyn, New York

Scenario Timeframe:	Current/Future
Medium:	Sediment
Exposure Medium:	Surface Sediment

Exposure Point	Cas Number	Chemical	Minimum Detected Value	Maximum Detected Value	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Conc. Used For Screening	Back-ground Value	Screening Toxicity Value		Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Delection or Selection
Exposed and near shore sediment in Gowanus Canal																
	107-06-2	1,2-dichloroethane	3.90	8.50 J	ug/kg	307B	5 / 14	3.90 - 23.0	8.50	---	430	C	---	---	NO	Below Screening Level
	106-46-7	1,4-dichlorobenzene	7.60	240 J	ug/kg	301	2 / 14	5.00 - 240	240	---	2400	C	---	---	NO	Below Screening Level
	67-64-1	Acetone	21.0	90.0	ug/kg	314	7 / 14	9.90 - 90.0	90.0	---	6100000	N	---	---	NO	Below Screening Level
	71-43-2	Benzene	46.0	46.0 J	ug/kg	314	1 / 14	5.00 - 46.0	46.0	---	1100	C	---	---	NO	Below Screening Level
	75-15-0	Carbon disulfide	4.70	89.0	ug/kg	314	4 / 14	4.70 - 89.0	89.0	---	82000	N	---	---	NO	Below Screening Level
	108-90-7	Chlorobenzene	53.0	53.0	ug/kg	301	1 / 14	5.00 - 53.0	53.0	---	29000	N	---	---	NO	Below Screening Level
	100-41-4	Ethylbenzene	6.60	1100 J	ug/kg	314	3 / 14	5.00 - 1100	1100	---	5400	C	---	---	NO	Below Screening Level
	98-82-8	Isopropylbenzene (cumene)	4.60	640 J	ug/kg	314	3 / 14	4.60 - 640	640	---	210000	N	---	---	NO	Below Screening Level
	179601-23-1	m, p xylenes	5.40	120 J	ug/kg	314	2 / 14	5.00 - 120	120	---	340000	N	---	---	NO	Below Screening Level
	108-87-2	Methylcyclohexane	27.0	170 J	ug/kg	314	2 / 14	5.00 - 170	170	---	---		---	---	NO	No toxicity information
	75-09-2	Methylene chloride	4.70	4.70 J	ug/kg	307A	1 / 14	4.70 - 23.0	4.70	---	11000	C	---	---	NO	Below Screening Level
	95-47-6	o-xylene (1,2-dimethylbenzene)	19.0	290 J	ug/kg	314	2 / 14	5.00 - 290	290	---	380000	N	---	---	NO	Below Screening Level
	127-18-4	Tetrachloroethylene(PCE)	5.80	11.0 J	ug/kg	302	2 / 14	5.00 - 23.0	11.0	---	550	C	---	---	NO	Below Screening Level
	108-88-3	Toluene	36.0	36.0 J	ug/kg	314	1 / 14	5.00 - 36.0	36.0	---	500000	N	---	---	NO	Below Screening Level
	79-01-6	Trichloroethylene (TCE)	4.20	4.20 J	ug/kg	301	1 / 14	4.20 - 23.0	4.20	---	2800	C	---	---	NO	Below Screening Level
	75-69-4	Trichlorofluoromethane	4.60	8.90 J	ug/kg	302	3 / 14	4.60 - 23.0	8.90	---	79000	N	---	---	NO	Below Screening Level
	91-57-6	2-methylnaphthalene	270	15000	ug/kg	314	8 / 14	120 - 15000	15000	---	31000	N	---	---	NO	Below Screening Level
	83-32-9	Acenaphthene	160	460000 J	ug/kg	314	10 / 14	160 - 460000	460000	---	340000	N	---	---	YES	Above Screening Level
	208-96-8	Acenaphthylene	270	150000 J	ug/kg	314	8 / 14	230 - 150000	150000	---	340000	N	---	---	NO	Below Screening Level
	120-12-7	Anthracene	330	350000 J	ug/kg	314	11 / 14	250 - 350000	350000	---	1700000	N	---	---	NO	Below Screening Level
	56-55-3	Benzo(a)anthracene	1100	320000 J	ug/kg	314	14 / 14	1100 - 320000	320000	---	150	C	---	---	YES	Above Screening Level
	50-32-8	Benzo(a)pyrene	1200	200000 J	ug/kg	314	13 / 14	250 - 200000	200000	---	15	C	---	---	YES	Above Screening Level
	205-99-2	Benzo(b)fluoranthene	1000	210000 J	ug/kg	314	13 / 14	250 - 210000	210000	---	150	C	---	---	YES	Above Screening Level
	191-24-2	Benzo(g,h,i)perylene	610	74000 J	ug/kg	314	13 / 14	260 - 74000	74000	---	170000	N	---	---	NO	Below Screening Level
	207-08-9	Benzo(k)fluoranthene	820	120000 J	ug/kg	314	13 / 14	250 - 120000	120000	---	1500	C	---	---	YES	Above Screening Level
	92-52-4	Biphenyl (diphenyl)	650	650 J	ug/kg	319	1 / 14	650 - 230000	650	---	210000	N	---	---	NO	Below Screening Level
	117-81-7	Bis(2-ethylhexyl) phthalate	2600	57000 J	ug/kg	314	12 / 14	2600 - 160000	57000	---	35000	C	---	---	YES	Above Screening Level
	86-74-8	Carbazole	1400	1400 J	ug/kg	308A	1 / 14	1400 - 230000	1400	---	---		---	---	NO	No toxicity information
	218-01-9	Chrysene	790	320000 J	ug/kg	314	14 / 14	790 - 320000	320000	---	15000	C	---	---	YES	Above Screening Level
	53-70-3	Dibenz(a,h)anthracene	200	14000	ug/kg	314	12 / 14	200 - 14000	14000	---	15	C	---	---	YES	Above Screening Level

TABLE H-2.1
Exposed Sediment in Canal - Selection of Chemical of Potential Concern
Gowanus Canal Remedial Investigation
Brooklyn, New York

Scenario Timeframe:	Current/Future
Medium:	Sediment
Exposure Medium:	Surface Sediment

Exposure Point	Cas Number	Chemical	Minimum Detected Value	Maximum Detected Value	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Conc. Used For Screening	Back-ground Value	Screening Toxicity Value		Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Delection or Selection
Exposed and near shore sediment in Gowanus Canal																
	132-64-9	Dibenzofuran	1100	1100 J	ug/kg	319	1 / 14	1100 - 230000	1100	---	7800	N	---	---	NO	Below Screening Level
	84-74-2	Di-n-butyl phthalate	510	550 J	ug/kg	318	2 / 14	510 - 230000	550	---	610000	N	---	---	NO	Below Screening Level
	117-84-0	Di-n-octylphthalate	9300	9300 J	ug/kg	307A	1 / 14	6200 - 230000	9300	---	35000	N	---	---	NO	Below Screening Level
	206-44-0	Fluoranthene	1200	630000 J	ug/kg	314	14 / 14	1200 - 630000	630000	---	230000	N	---	---	YES	Above Screening Level
	86-73-7	Fluorene	130	130000 J	ug/kg	314	7 / 14	130 - 130000	130000	---	230000	N	---	---	NO	Below Screening Level
	193-39-5	Indeno(1,2,3-c,d)pyrene	1000	120000 J	ug/kg	314	14 / 14	1000 - 120000	120000	---	150	C	---	---	YES	Above Screening Level
	91-20-3	Naphthalene	120	9100 J	ug/kg	319	8 / 14	120 - 9100	9100	---	3600	C	---	---	YES	Above Screening Level
	85-01-8	Phenanthrene	510	470000 J	ug/kg	314	13 / 14	510 - 470000	470000	---	1700000	N	---	---	NO	Below Screening Level
	129-00-0	Pyrene	1400	670000 J	ug/kg	314	14 / 14	1400 - 670000	670000	---	170000	N	---	---	YES	Above Screening Level
	5103-71-9	Alpha-chlordane	6.70	14.0 J	ug/kg	308A	2 / 14	4.20 - 530	14.0	---	1600	C	---	---	NO	Below Screening Level
	33213-65-9	Beta endosulfan	13.0	13.0 J	ug/kg	308A	1 / 14	8.20 - 1000	13.0	---	37000	N	---	---	NO	Below Screening Level
	1031-07-8	Endosulfan sulfate	21.0	21.0 J	ug/kg	308A	1 / 14	8.20 - 1000	21.0	---	37000	N	---	---	NO	Below Screening Level
	5103-74-2	Gamma-chlordane	5.90	29.0 J	ug/kg	308A	3 / 14	4.20 - 530	29.0	---	1600	C	---	---	NO	Below Screening Level
	72-43-5	Methoxychlor	33.0	33.0 J	ug/kg	308A	1 / 14	33.0 - 5300	33.0	---	31000	N	---	---	NO	Below Screening Level
	72-54-8	P,P'-DDD	7.90	21.0 NJ	ug/kg	302	4 / 4	7.90 - 21.0	21.0	---	2000	C	---	---	NO	Below Screening Level
	72-55-9	P,P'-DDE	16.0	16.0 NJ	ug/kg	308A	1 / 14	8.20 - 1000	16.0	---	1400	C	---	---	NO	Below Screening Level
	12674-11-2	Aroclor 1016	220	290	ug/kg	318	2 / 14	41.0 - 290	290	---	390	N	---	---	NO	Below Screening Level
	12672-29-6	Aroclor 1248	2200	2200 J	ug/kg	316	1 / 14	41.0 - 2200	2200	---	220	C	---	---	YES	Above Screening Level
	11097-69-1	Aroclor 1254	590	590 J	ug/kg	308A	1 / 14	48.0 - 590	590	---	110	N	---	---	YES	Above Screening Level
	11096-82-5	Aroclor 1260	440	3400 J	ug/kg	314	3 / 14	41.0 - 3400	3400	---	220	C	---	---	YES	Above Screening Level
	PCBDioxin	PCB Dioxin	0.241	111	ng/kg	314	12 / 12	0.241 - 111	111	---	3.7	C	---	---	YES	Above Screening Level
	PCBNonDioxin	PCB Nondioxin	92500	14700000	ng/kg	314	12 / 12	92500 - 14700000	14700000	---	220000	C	---	---	YES	Above Screening Level
	PCBTotalCongen	Total PCB Congeners	99500	15100000	ng/kg	314	12 / 12	99500 - 15100000	15100000	---	110000	N	---	---	YES	Above Screening Level
	7429-90-5	Aluminum	4870	18900 J	mg/kg	310	14 / 14	4870 - 18900	18900	---	7700	N	---	---	YES	Above Screening Level
	7440-38-2	Arsenic	3.40	44.7	mg/kg	308A	14 / 14	3.40 - 44.7	44.7	---	0.39	C	---	---	YES	Above Screening Level
	7440-39-3	Barium	86.5	397 J	mg/kg	316	14 / 14	86.5 - 397	397	---	1500	N	---	---	NO	Below Screening Level
	7440-41-7	Beryllium	0.26	0.46 J	mg/kg	309	8 / 14	0.26 - 1.40	0.46	---	16	N	---	---	NO	Below Screening Level
	7440-43-9	Cadmium	1.50	20.2 J	mg/kg	308A	14 / 14	1.50 - 20.2	20.2	---	7	N	---	---	YES	Above Screening Level
	7440-70-2	Calcium	5360	10900 J	mg/kg	314	14 / 14	5360 - 10900	10900	---	---		---	---	NO	Essential Nutrient
	7440-47-3	Chromium	22.7	139 J	mg/kg	314	14 / 14	22.7 - 139	139	---	0.29	C	---	---	YES	Above Screening Level

TABLE H-2.1
Exposed Sediment in Canal - Selection of Chemical of Potential Concern
Gowanus Canal Remedial Investigation
Brooklyn, New York

Scenario Timeframe:	Current/Future
Medium:	Sediment
Exposure Medium:	Surface Sediment

Exposure Point	Cas Number	Chemical	Minimum Detected Value	Maximum Detected Value	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Conc. Used For Screening	Back-ground Value	Screening Toxicity Value		Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Delection or Selection
Exposed and near shore sediment in Gowanus Canal																
	7440-48-4	Cobalt	10.0	14.8 J	mg/kg	318	6 / 14	7.30 - 15.3	14.8	---	2.3	N	---	---	YES	Above Screening Level
	7440-50-8	Copper	85.8	790	mg/kg	308A	14 / 14	85.8 - 790	790	---	310	N	---	---	YES	Above Screening Level
	57-12-5	Cyanide, Total	0.54	18.0 J	mg/kg	302	4 / 14	0.54 - 18.0	18.0	---	160	N	---	---	NO	Below Screening Level
	7439-89-6	Iron	12400	87000	mg/kg	308A	14 / 14	12400 - 87000	87000	---	5500	N	---	---	YES	Above Screening Level
	7439-92-1	Lead	184	4220	mg/kg	308A	14 / 14	184 - 4220	4220	---	400	N	---	---	YES	Above Screening Level
	7439-95-4	Magnesium	4210	11400 J	mg/kg	318	14 / 14	4210 - 11400	11400	---	---		---	---	NO	Essential Nutrient
	7439-96-5	Manganese	89.1	480	mg/kg	308A	14 / 14	89.1 - 480	480	---	180	N	---	---	YES	Above Screening Level
	7439-97-6	Mercury	0.61	1.80 J	mg/kg	318	14 / 14	0.61 - 1.80	1.80	---	2.3	N	---	---	NO	Below Screening Level
	7440-02-0	Nickel	18.1	84.5 J	mg/kg	314	14 / 14	18.1 - 84.5	84.5	---	150	N	---	---	NO	Below Screening Level
	7440-09-7	Potassium	730	4410 J	mg/kg	310	14 / 14	730 - 4410	4410	---	---		---	---	NO	Essential Nutrient
	7782-49-2	Selenium	0.74	4.90 J	mg/kg	310	6 / 14	0.74 - 10.7	4.90	---	39	N	---	---	NO	Below Screening Level
	7440-22-4	Silver	1.90	6.80 J	mg/kg	310	12 / 14	1.20 - 6.80	6.80	---	39	N	---	---	NO	Below Screening Level
	7440-23-5	Sodium	2610	15300 J	mg/kg	305	14 / 14	2610 - 15300	15300	---	---		---	---	NO	Essential Nutrient
	7440-62-2	Vanadium	19.4	61.2 J	mg/kg	316	14 / 14	19.4 - 61.2	61.2	---	39	N	---	---	YES	Above Screening Level
	7440-66-6	Zinc	240	1520	mg/kg	308A	7 / 7	240 - 1520	1520	---	2300	N	---	---	NO	Below Screening Level

TABLE H-2.2
Surface Water in Canal - Dry Weather - Selection of Chemical of Potential Concern
Gowanus Canal Remedial Investigation
Brooklyn, New York

Scenario Timeframe:	Current/Future
Medium:	Surface Water
Exposure Medium:	Surface Water

Exposure Point	Cas Number	Chemical	Minimum Detected Value	Maximum Detected Value	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Conc. Used For Screening	Back-ground Value	Screening Toxicity Value		Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Delection or Selection
Gowanus Canal																
	106-46-7	1,4-dichlorobenzene	0.11	0.11 J	ug/l	320	1 / 27	0.11 - 0.50	0.11	---	0.43	C	190	NRWQC	NO	Below Screening Level
	67-64-1	Acetone	1.10	6.70	ug/l	317	26 / 27	1.10 - 6.70	6.70	---	2200	N	---	---	NO	Below Screening Level
	71-43-2	Benzene	0.50	11.0	ug/l	304	18 / 27	0.50 - 11.0	11.0	---	0.41	C	10	NYSDEC	YES	Above Screening Level
	100-41-4	Ethylbenzene	0.19	1.30	ug/l	320	16 / 27	0.19 - 1.30	1.30	---	1.5	C	2100	NRWQC	NO	Below Screening Level
	179601-23-1	m, p xylenes	0.16	1.30	ug/l	320	17 / 27	0.16 - 1.30	1.30	---	120	N	---	---	NO	Below Screening Level
	75-09-2	Methylene chloride	0.76	1.00	ug/l	310	3 / 27	0.50 - 1.00	1.00	---	4.8	C	200	NYSDEC	NO	Below Screening Level
	95-47-6	o-xylene (1,2-dimethylbenzene)	0.24	0.53	ug/l	320	5 / 27	0.24 - 0.53	0.53	---	120	N	---	---	NO	Below Screening Level
	1634-04-4	Tert-butyl methyl ether	0.18	0.18 J	ug/l	304	1 / 27	0.18 - 0.50	0.18	---	12	C	---	---	NO	Below Screening Level
	108-88-3	Toluene	0.17	0.95	ug/l	308B	16 / 27	0.17 - 0.95	0.95	---	230	N	6000	NYSDEC	NO	Below Screening Level
	91-57-6	2-methylnaphthalene	0.017	0.017 J	ug/l	315	1 / 27	0.017 - 0.10	0.017	---	15	N	---	---	NO	Below Screening Level
	83-32-9	Acenaphthene	0.26	0.94	ug/l	319	21 / 27	0.10 - 0.94	0.94	---	220	N	990	NRWQC	NO	Below Screening Level
	120-12-7	Anthracene	1.20	5.20 J	ug/l	325	3 / 27	0.10 - 5.20	5.20	---	1100	N	40000	NRWQC	NO	Below Screening Level
	56-55-3	Benzo(a)anthracene	0.12	0.83	ug/l	325	7 / 27	0.10 - 0.83	0.83	---	0.029	C	0.018	NRWQC	YES	Above Screening Level
	50-32-8	Benzo(a)pyrene	0.19	0.66	ug/l	319	3 / 27	0.10 - 0.66	0.66	---	0.0029	C	0.018	NRWQC	YES	Above Screening Level
	205-99-2	Benzo(b)fluoranthene	0.11	0.88	ug/l	319	21 / 27	0.10 - 0.88	0.88	---	0.029	C	0.018	NRWQC	YES	Above Screening Level
	191-24-2	Benzo(g,h,i)perylene	0.099	0.15	ug/l	302, 307A	5 / 27	0.099 - 0.15	0.15	---	110	N	---	---	NO	Below Screening Level
	207-08-9	Benzo(k)fluoranthene	0.10	0.29	ug/l	319, 325	11 / 27	0.10 - 0.29	0.29	---	0.29	C	0.018	NRWQC	NO	Below Screening Level
	117-81-7	Bis(2-ethylhexyl) phthalate	0.71	5.60	ug/l	321	13 / 27	0.71 - 5.60	5.60	---	4.8	C	2.2	NRWQC	YES	Above Screening Level
	105-60-2	Caprolactam	1.00	1.00 J	ug/l	312	1 / 27	1.00 - 5.00	1.00	---	1800	N	---	---	NO	Below Screening Level
	86-74-8	Carbazole	1.10	2.10 J	ug/l	325	2 / 27	1.10 - 5.00	2.10	---	---		---	---	NO	No toxicity information
	218-01-9	Chrysene	0.11	1.10 J	ug/l	325	15 / 27	0.10 - 1.10	1.10	---	2.9	C	0.018	NRWQC	NO	Below Screening Level
	131-11-3	Dimethyl phthalate	1.50	3.40 J	ug/l	324	8 / 27	1.50 - 5.00	3.40	---	365	N	1100000	NRWQC	NO	Below Screening Level
	84-74-2	Di-n-butyl phthalate	1.00	1.40 J	ug/l	301	3 / 27	1.00 - 5.00	1.40	---	370	N	4500	NRWQC	NO	Below Screening Level
	206-44-0	Fluoranthene	0.095	2.30 J	ug/l	325	23 / 27	0.095 - 2.30	2.30	---	150	N	140	NRWQC	NO	Below Screening Level
	86-73-7	Fluorene	0.11	0.19	ug/l	325	15 / 27	0.10 - 0.19	0.19	---	150	N	5300	NRWQC	NO	Below Screening Level
	193-39-5	Indeno(1,2,3-c,d)pyrene	0.097	0.22	ug/l	319	10 / 27	0.097 - 0.22	0.22	---	0.029	C	0.018	NRWQC	YES	Above Screening Level
	85-01-8	Phenanthrene	0.10	0.58	ug/l	325	11 / 27	0.10 - 0.58	0.58	---	1100	N	---	---	NO	Below Screening Level
	108-95-2	Phenol	1.30	1.30 J	ug/l	314	1 / 27	1.30 - 5.00	1.30	---	1100	N	860000	NRWQC	NO	Below Screening Level
	129-00-0	Pyrene	0.15	1.50 J	ug/l	325	6 / 27	0.10 - 1.50	1.50	---	110	N	4000	NRWQC	NO	Below Screening Level
	7440-38-2	Arsenic	18.8	23.4	ug/l	309	16 / 25	9.10 - 23.4	23.4	---	0.045	C	0.14	NRWQC	YES	Above Screening Level

TABLE H-2.2

Surface Water in Canal - Dry Weather - Selection of Chemical of Potential Concern

Gowanus Canal Remedial Investigation

Brooklyn, New York

Scenario Timeframe:	Current/Future
Medium:	Surface Water
Exposure Medium:	Surface Water

Exposure Point	Cas Number	Chemical	Minimum Detected Value	Maximum Detected Value	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Conc. Used For Screening	Back-ground Value	Screening Toxicity Value		Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Delection or Selection
Gowanus Canal																
	7440-39-3	Barium	18.4	22.3 J	ug/l	310	5 / 27	10.0 - 100	22.3	---	730	N	---	---	NO	Below Screening Level
	7440-70-2	Calcium	279000	315000 J	ug/l	312	12 / 27	254000 - 315000	315000	---	---		---	---	NO	Essential Nutrient
	7440-47-3	Chromium	4.00	99.7	ug/l	323	16 / 27	2.00 - 99.7	99.7	---	0.043	C	---	---	YES	Above Screening Level
	7440-50-8	Copper	123	232	ug/l	308B	11 / 27	25.0 - 375	232	---	150	N	---	---	YES	Above Screening Level
	7439-92-1	Lead	1.90	4.90 J	ug/l	323	5 / 27	1.90 - 10.0	4.90	---	15	N	---	---	NO	Below Screening Level
	7439-95-4	Magnesium	809000	998000	ug/l	312	27 / 27	809000 - 998000	998000	---	---		---	---	NO	Essential Nutrient
	7439-96-5	Manganese	45.0	72.9	ug/l	310	27 / 27	45.0 - 72.9	72.9	---	88	N	100	NRWQC	NO	Below Screening Level
	7439-97-6	Mercury	0.047	0.06 J	ug/l	324	14 / 27	0.047 - 0.20	0.06	---	1.1	N	0.0007	NYSDEC	NO	Below Screening Level
	7440-02-0	Nickel	2.00	52.3 J	ug/l	323	15 / 27	2.00 - 52.3	52.3	---	73	N	4600	NRWQC	NO	Below Screening Level
	7440-09-7	Potassium	299000	328000 J	ug/l	312	12 / 27	268000 - 328000	328000	---	---		---	---	NO	Essential Nutrient
	7782-49-2	Selenium	34.3	50.9	ug/l	322	16 / 26	18.7 - 50.9	50.9	---	18	N	4200	NRWQC	YES	Above Screening Level
	7440-23-5	Sodium	5550000	6620000 J	ug/l	307B	27 / 27	5550000 - 662000(	6620000	---	---		---	---	NO	Essential Nutrient
	7440-28-0	Thallium	2.10	2.10 J	ug/l	318	1 / 27	2.10 - 10.0	2.10	---	---		0.47	NRWQC	NO	No toxicity information
	7440-66-6	Zinc	11.0	25.7 J	ug/l	321	12 / 23	11.0 - 25.7	25.7	---	1100	N	26000	NRWQC	NO	Below Screening Level

TABLE H-2.3
Surface Water in Canal - Wet Weather - Selection of Chemical of Potential Concern
Gowanus Canal Remedial Investigation
Brooklyn, New York

Scenario Timeframe:	Current/Future
Medium:	Surface Water
Exposure Medium:	Surface Water

Exposure Point	Cas Number	Chemical	Minimum Detected Value	Maximum Detected Value	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Conc. Used For Screening	Back-ground Value	Screening Toxicity Value		Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Delection or Selection
Gowanus Canal																
	120-82-1	1,2,4-trichlorobenzene	0.12	0.12 J	ug/l	305	1 / 26	0.12 - 0.50	0.12	---	0.41	N	70	NRWQC	NO	Below Screening Level
	541-73-1	1,3-dichlorobenzene	0.13	0.13 J	ug/l	303, 305	2 / 26	0.13 - 0.50	0.13	---	37	N	960	NRWQC	NO	Below Screening Level
	106-46-7	1,4-dichlorobenzene	0.12	0.87	ug/l	306	14 / 26	0.12 - 0.87	0.87	---	0.43	C	190	NRWQC	YES	Above Screening Level
	67-64-1	Acetone	12.0	12.0	ug/l	307B	1 / 26	5.00 - 15.0	12.0	---	2200	N	---	---	NO	Below Screening Level
	71-43-2	Benzene	0.36	2.90	ug/l	316	16 / 26	0.36 - 2.90	2.90	---	0.41	C	10	NYSDEC	YES	Above Screening Level
	75-15-0	Carbon disulfide	0.14	0.17 J	ug/l	308B, 313	5 / 26	0.14 - 0.50	0.17	---	100	N	---	---	NO	Below Screening Level
	108-90-7	Chlorobenzene	0.12	0.33 J	ug/l	306	17 / 26	0.12 - 0.50	0.33	---	9.1	N	400	NYSDEC	NO	Below Screening Level
	67-66-3	Chloroform	0.50	0.69	ug/l	321	14 / 26	0.50 - 0.69	0.69	---	0.19	C	470	NRWQC	YES	Above Screening Level
	156-59-2	cis-1,2-dichloroethylene	0.21	0.51	ug/l	319	17 / 26	0.21 - 0.51	0.51	---	37	N	---	---	NO	Below Screening Level
	100-41-4	Ethylbenzene	0.18	2.60	ug/l	316	21 / 26	0.18 - 2.60	2.60	---	1.5	C	2100	NRWQC	YES	Above Screening Level
	98-82-8	Isopropylbenzene (cumene)	0.096	0.20 J	ug/l	316	4 / 26	0.096 - 0.50	0.20	---	68	N	---	---	NO	Below Screening Level
	179601-23-1	m, p xylenes	0.18	2.60	ug/l	316	22 / 26	0.18 - 2.60	2.60	---	120	N	---	---	NO	Below Screening Level
	79-20-9	Methyl acetate	0.44	0.44 J	ug/l	317	1 / 26	0.44 - 0.50	0.44	---	3700	N	---	---	NO	Below Screening Level
	75-09-2	Methylene chloride	0.99	3.40	ug/l	321	9 / 26	0.50 - 3.40	3.40	---	4.8	C	200	NYSDEC	NO	Below Screening Level
	95-47-6	o-xylene (1,2-dimethylbenzene)	0.13	5.10	ug/l	316	20 / 26	0.13 - 5.10	5.10	---	120	N	---	---	NO	Below Screening Level
	127-18-4	Tetrachloroethylene(PCE)	0.70	40.0 J	ug/l	319	24 / 26	0.50 - 40.0	40.0	---	0.11	C	3.3	NRWQC	YES	Above Screening Level
	108-88-3	Toluene	0.85	16.0	ug/l	316	24 / 26	0.50 - 16.0	16.0	---	230	N	6000	NYSDEC	NO	Below Screening Level
	10061-02-6	trans-1,3-dichloropropene	0.16	0.16 J	ug/l	306	1 / 26	0.16 - 0.50	0.16	---	0.43	C	---	---	NO	Below Screening Level
	79-01-6	Trichloroethylene (TCE)	0.10	0.12 J	ug/l	320	2 / 26	0.10 - 0.50	0.12	---	2	C	30	NRWQC	NO	Below Screening Level
	91-57-6	2-methylnaphthalene	0.17	3.00	ug/l	316	3 / 26	0.10 - 3.00	3.00	---	15	N	---	---	NO	Below Screening Level
	83-32-9	Acenaphthene	0.095	0.40	ug/l	313	20 / 26	0.095 - 1.00	0.40	---	220	N	990	NRWQC	NO	Below Screening Level
	120-12-7	Anthracene	0.095	0.095 J	ug/l	302	1 / 26	0.095 - 1.00	0.095	---	1100	N	40000	NRWQC	NO	Below Screening Level
	56-55-3	Benzo(a)anthracene	0.074	0.15	ug/l	302	4 / 26	0.074 - 1.00	0.15	---	0.029	C	0.018	NRWQC	YES	Above Screening Level
	50-32-8	Benzo(a)pyrene	0.14	0.30	ug/l	309	6 / 26	0.10 - 1.00	0.30	---	0.0029	C	0.018	NRWQC	YES	Above Screening Level
	205-99-2	Benzo(b)fluoranthene	0.12	0.33	ug/l	319	16 / 26	0.10 - 1.00	0.33	---	0.029	C	0.018	NRWQC	YES	Above Screening Level
	191-24-2	Benzo(g,h,i)perylene	0.13	1.50 J	ug/l	308A	23 / 26	0.10 - 1.50	1.50	---	110	N	---	---	NO	Below Screening Level
	207-08-9	Benzo(k)fluoranthene	0.037	0.12 J	ug/l	319	7 / 26	0.037 - 1.00	0.12	---	0.29	C	0.018	NRWQC	NO	Below Screening Level
	85-68-7	Benzyl butyl phthalate	0.73	1.10 J	ug/l	307A	3 / 26	0.73 - 50.0	1.10	---	35	C	1900	NRWQC	NO	Below Screening Level
	105-60-2	Caprolactam	0.33	1.50 J	ug/l	320	11 / 26	0.33 - 50.0	1.50	---	1800	N	---	---	NO	Below Screening Level
	218-01-9	Chrysene	0.057	0.11	ug/l	302	3 / 26	0.057 - 1.00	0.11	---	2.9	C	0.018	NRWQC	NO	Below Screening Level

TABLE H-2.3
Surface Water in Canal - Wet Weather - Selection of Chemical of Potential Concern
Gowanus Canal Remedial Investigation
Brooklyn, New York

Scenario Timeframe:	Current/Future
Medium:	Surface Water
Exposure Medium:	Surface Water

Exposure Point	Cas Number	Chemical	Minimum Detected Value	Maximum Detected Value	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Conc. Used For Screening	Back-ground Value	Screening Toxicity Value		Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Delection or Selection
Gowanus Canal																
	53-70-3	Dibenz(a,h)anthracene	0.071	0.11	ug/l	303	4 / 26	0.071 - 1.00	0.11	---	0.0029	C	0.018	NRWQC	YES	Above Screening Level
	84-74-2	Di-n-butyl phthalate	0.28	0.62 J	ug/l	320	12 / 26	0.28 - 50.0	0.62	---	370	N	4500	NRWQC	NO	Below Screening Level
	117-84-0	Di-n-octylphthalate	0.23	0.28 J	ug/l	318	3 / 26	0.23 - 50.0	0.28	---	4.8	N	---	---	NO	Below Screening Level
	206-44-0	Fluoranthene	0.089	0.32	ug/l	313	22 / 26	0.089 - 1.00	0.32	---	150	N	140	NRWQC	NO	Below Screening Level
	86-73-7	Fluorene	0.079	0.32 J	ug/l	313	3 / 26	0.079 - 1.00	0.32	---	150	N	5300	NRWQC	NO	Below Screening Level
	193-39-5	Indeno(1,2,3-c,d)pyrene	0.16	1.10	ug/l	316	23 / 26	0.10 - 1.10	1.10	---	0.029	C	0.018	NRWQC	YES	Above Screening Level
	91-20-3	Naphthalene	0.13	1.40	ug/l	316	5 / 26	0.10 - 1.40	1.40	---	0.14	C	---	---	YES	Above Screening Level
	87-86-5	Pentachlorophenol	0.13	0.13 J	ug/l	311	1 / 26	0.13 - 2.00	0.13	---	0.56	C	3	NRWQC	NO	Below Screening Level
	85-01-8	Phenanthrene	0.13	1.40	ug/l	316	14 / 26	0.10 - 1.40	1.40	---	1100	N	---	---	NO	Below Screening Level
	129-00-0	Pyrene	0.10	0.34	ug/l	313	22 / 26	0.10 - 1.00	0.34	---	110	N	4000	NRWQC	NO	Below Screening Level
	7440-38-2	Arsenic	6.90	26.2	ug/l	302	26 / 26	6.90 - 26.2	26.2	---	0.045	C	0.14	NRWQC	YES	Above Screening Level
	7440-39-3	Barium	18.4	42.8 J	ug/l	307A	26 / 26	18.4 - 42.8	42.8	---	730	N	---	---	NO	Below Screening Level
	7440-70-2	Calcium	97200	296000	ug/l	324	24 / 24	97200 - 296000	296000	---	---		---	---	NO	Essential Nutrient
	7440-47-3	Chromium	3.90	29.3 J	ug/l	308B	26 / 26	3.90 - 29.3	29.3	---	0.043	C	---	---	YES	Above Screening Level
	7440-48-4	Cobalt	3.90	3.90 J	ug/l	307A	1 / 26	3.90 - 10.0	3.90	---	1.1	N	---	---	YES	Above Screening Level
	7439-89-6	Iron	651	1040 J	ug/l	317	3 / 26	651 - 1500	1040	---	2600	N	---	---	NO	Below Screening Level
	7439-92-1	Lead	2.90	26.8	ug/l	317	26 / 26	2.90 - 26.8	26.8	---	15	N	---	---	YES	Above Screening Level
	7439-95-4	Magnesium	276000	972000	ug/l	303	25 / 25	276000 - 972000	972000	---	---		---	---	NO	Essential Nutrient
	7439-96-5	Manganese	48.4	65.6	ug/l	307A	26 / 26	48.4 - 65.6	65.6	---	88	N	100	NRWQC	NO	Below Screening Level
	7439-97-6	Mercury	0.065	0.089 J	ug/l	302	19 / 26	0.065 - 0.20	0.089	---	1.1	N	0.0007	NYSDEC	NO	Below Screening Level
	7440-02-0	Nickel	2.10	29.8 J	ug/l	308B	25 / 25	2.10 - 29.8	29.8	---	73	N	4600	NRWQC	NO	Below Screening Level
	7440-09-7	Potassium	88700	290000	ug/l	324	24 / 24	88700 - 290000	290000	---	---		---	---	NO	Essential Nutrient
	7782-49-2	Selenium	13.9	64.6 J	ug/l	301	26 / 26	13.9 - 64.6	64.6	---	18	N	4200	NRWQC	YES	Above Screening Level
	7440-23-5	Sodium	2340000	7090000 J	ug/l	301	25 / 25	2340000 - 709000(	7090000	---	---		---	---	NO	Essential Nutrient
	7440-66-6	Zinc	17.7	75.7 J	ug/l	318	24 / 26	17.7 - 75.7	75.7	---	1100	N	26000	NRWQC	NO	Below Screening Level

TABLE H-2.4

Ambient Air at Canal Level, Round 1 - Selection of Chemical of Potential Concern

Gowanus Canal Remedial Investigation

Brooklyn, New York

Scenario Timeframe:	Current/Future
Medium:	Air
Exposure Medium:	Air

Exposure Point	Cas Number	Chemical	Minimum Detected Value	Maximum Detected Value	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Conc. Used For Screening	Back-ground Value	Screening Toxicity Value		Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Delection or Selection
Ambient air at Canal level																
	67-64-1	Acetone	22.0	60.0	ug/m3	506	10 / 10	22.0 - 60.0	60.0	---	3200	N	---	---	NO	Below Screening Level
	71-43-2	Benzene	0.69	1.10	ug/m3	501	10 / 10	0.69 - 1.10	1.10	---	0.31	C	---	---	YES	Above Screening Level
	75-25-2	Bromoform	0.12	0.12	ug/m3	505	1 / 10	0.10 - 0.52	0.12	---	2.2	C	---	---	NO	Below Screening Level
	75-15-0	Carbon disulfide	2.70	2.70	ug/m3	508	1 / 10	1.60 - 2.70	2.70	---	73	N	---	---	NO	Below Screening Level
	67-66-3	Chloroform	0.16	0.28	ug/m3	501	7 / 10	0.16 - 0.28	0.28	---	0.11	C	---	---	YES	Above Screening Level
	74-87-3	Chloromethane	1.70	3.10	ug/m3	504	10 / 10	1.70 - 3.10	3.10	---	9.4	N	---	---	NO	Below Screening Level
	100-41-4	Ethylbenzene	0.48	5.10	ug/m3	508	10 / 10	0.48 - 5.10	5.10	---	0.97	C	---	---	YES	Above Screening Level
	78-93-3	Methyl ethyl ketone (2-butanone)	1.70	4.30	ug/m3	504	10 / 10	1.70 - 4.30	4.30	---	520	N	---	---	NO	Below Screening Level
	75-09-2	Methylene chloride	1.80	4.50 J	ug/m3	501	6 / 10	1.70 - 4.50	4.50	---	5.2	C	---	---	NO	Below Screening Level
	108-88-3	Toluene	2.70	8.50	ug/m3	507	10 / 10	2.70 - 8.50	8.50	---	520	N	---	---	NO	Below Screening Level
	79-01-6	Trichloroethylene (TCE)	0.069	0.90	ug/m3	507	7 / 10	0.069 - 0.90	0.90	---	1.2	C	---	---	NO	Below Screening Level
	1330-20-7	Xylene, total	1.80	16.0	ug/m3	508	10 / 10	1.80 - 16.0	16.0	---	10	N	---	---	YES	Above Screening Level
	83-32-9	Acenaphthene	0.057	5.70	ug/m3	502	10 / 10	0.057 - 5.70	5.70	---	---		---	---	NO	No toxicity information
	208-96-8	Acenaphthylene	0.0014	0.049 J	ug/m3	502	10 / 10	0.0014 - 0.049	0.049	---	---		---	---	NO	No toxicity information
	120-12-7	Anthracene	0.0042	0.37	ug/m3	502	10 / 10	0.0042 - 0.37	0.37	---	---		---	---	NO	No toxicity information
	56-55-3	Benzo(a)anthracene	0.002	0.0023 J	ug/m3	501	2 / 10	0.002 - 0.094	0.0023	---	0.0087	C	---	---	NO	Below Screening Level
	205-99-2	Benzo(b)fluoranthene	0.0025	0.0025 J	ug/m3	501	1 / 10	0.0025 - 0.094	0.0025	---	0.0087	C	---	---	NO	Below Screening Level
	218-01-9	Chrysene	0.0088	0.0088 J	ug/m3	502	1 / 10	0.0088 - 0.094	0.0088	---	0.087	C	---	---	NO	Below Screening Level
	206-44-0	Fluoranthene	0.019	1.00	ug/m3	502	10 / 10	0.019 - 1.00	1.00	---	---		---	---	NO	No toxicity information
	86-73-7	Fluorene	0.034	4.70	ug/m3	502	10 / 10	0.034 - 4.70	4.70	---	---		---	---	NO	No toxicity information
	91-20-3	Naphthalene	0.19	3.40	ug/m3	503	10 / 10	0.19 - 3.40	3.40	---	0.072	C	---	---	YES	Above Screening Level
	85-01-8	Phenanthrene	0.084	6.50	ug/m3	502	10 / 10	0.084 - 6.50	6.50	---	---		---	---	NO	No toxicity information
	129-00-0	Pyrene	0.014	0.55	ug/m3	502	10 / 10	0.014 - 0.55	0.55	---	---		---	---	NO	No toxicity information

TABLE H-2.5

Ambient Air at Canal Level, Round 2 - Selection of Chemical of Potential Concern

Gowanus Canal Remedial Investigation

Brooklyn, New York

Scenario Timeframe:	Current/Future
Medium:	Air
Exposure Medium:	Air

Exposure Point	Cas Number	Chemical	Minimum Detected Value	Maximum Detected Value	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Conc. Used For Screening	Back-ground Value	Screening Toxicity Value		Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Delection or Selection
Ambient air at Canal level																
	67-64-1	Acetone	24.0	300	ug/m3	509	10 / 10	24.0 - 300	300	---	3200	N	---	---	NO	Below Screening Level
	71-43-2	Benzene	0.64	3.80	ug/m3	510	10 / 10	0.64 - 3.80	3.80	---	0.31	C	---	---	YES	Above Screening Level
	75-15-0	Carbon disulfide	3.30	3.30	ug/m3	503	1 / 10	1.60 - 7.80	3.30	---	73	N	---	---	NO	Below Screening Level
	67-66-3	Chloroform	0.16	0.24	ug/m3	503	8 / 10	0.098 - 0.24	0.24	---	0.11	C	---	---	YES	Above Screening Level
	74-87-3	Chloromethane	1.60	2.20	ug/m3	506, 510	8 / 10	1.60 - 5.20	2.20	---	9.4	N	---	---	NO	Below Screening Level
	100-41-4	Ethylbenzene	0.41	4.40	ug/m3	510	10 / 10	0.41 - 4.40	4.40	---	0.97	C	---	---	YES	Above Screening Level
	78-93-3	Methyl ethyl ketone (2-butanone)	2.70	18.0	ug/m3	509	10 / 10	2.70 - 18.0	18.0	---	520	N	---	---	NO	Below Screening Level
	75-09-2	Methylene chloride	1.90	2.00 J	ug/m3	506	2 / 10	1.70 - 8.70	2.00	---	5.2	C	---	---	NO	Below Screening Level
	108-88-3	Toluene	5.00	25.0	ug/m3	510	9 / 10	3.80 - 25.0	25.0	---	520	N	---	---	NO	Below Screening Level
	79-01-6	Trichloroethylene (TCE)	0.096	0.20	ug/m3	505	8 / 10	0.096 - 0.27	0.20	---	1.2	C	---	---	NO	Below Screening Level
	1330-20-7	Xylene, total	2.90	28.0	ug/m3	510	9 / 10	2.90 - 28.0	28.0	---	10	N	---	---	YES	Above Screening Level
	83-32-9	Acenaphthene	0.084	3.30 J	ug/m3	502	8 / 8	0.084 - 3.30	3.30	---	---		---	---	NO	No toxicity information
	208-96-8	Acenaphthylene	0.0043	0.04 J	ug/m3	502	8 / 8	0.0043 - 0.04	0.04	---	---		---	---	NO	No toxicity information
	120-12-7	Anthracene	0.0054	0.15 J	ug/m3	502	8 / 8	0.0054 - 0.15	0.15	---	---		---	---	NO	No toxicity information
	56-55-3	Benzo(a)anthracene	0.0024	0.0033 J	ug/m3	509	3 / 8	0.0024 - 0.071	0.0033	---	0.0087	C	---	---	NO	Below Screening Level
	218-01-9	Chrysene	0.0043	0.0043 J	ug/m3	505	1 / 8	0.0043 - 0.071	0.0043	---	0.087	C	---	---	NO	Below Screening Level
	206-44-0	Fluoranthene	0.021	0.45 J	ug/m3	502	8 / 8	0.021 - 0.45	0.45	---	---		---	---	NO	No toxicity information
	86-73-7	Fluorene	0.056	2.30 J	ug/m3	502	8 / 8	0.056 - 2.30	2.30	---	---		---	---	NO	No toxicity information
	91-20-3	Naphthalene	0.47	2.60 J	ug/m3	503	8 / 8	0.47 - 2.60	2.60	---	0.072	C	---	---	YES	Above Screening Level
	85-01-8	Phenanthrene	0.098	3.00 J	ug/m3	502	8 / 8	0.098 - 3.00	3.00	---	---		---	---	NO	No toxicity information
	129-00-0	Pyrene	0.014	0.23 J	ug/m3	502	8 / 8	0.014 - 0.23	0.23	---	---		---	---	NO	No toxicity information

TABLE H-2.6

Ambient Air at Street Level, Round 1 - Selection of Chemical of Potential Concern

Gowanus Canal Remedial Investigation

Brooklyn, New York

Scenario Timeframe:	Current/Future
Medium:	Air
Exposure Medium:	Air

Exposure Point	Cas Number	Chemical	Minimum Detected Value	Maximum Detected Value	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Conc. Used For Screening	Back-ground Value	Screening Toxicity Value		Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Delection or Selection
Ambient air at Street Level																
	67-64-1	Acetone	25.0	53.0	ug/m3	510	10 / 10	25.0 - 53.0	53.0	---	3200	N	---	---	NO	Below Screening Level
	71-43-2	Benzene	0.61	2.30	ug/m3	501	10 / 10	0.61 - 2.30	2.30	---	0.31	C	---	---	YES	Above Screening Level
	75-25-2	Bromoform	0.37	0.37	ug/m3	503	1 / 10	0.10 - 0.52	0.37	---	2.2	C	---	---	NO	Below Screening Level
	75-15-0	Carbon disulfide	2.60	3.80	ug/m3	504	2 / 10	1.60 - 3.80	3.80	---	73	N	---	---	NO	Below Screening Level
	67-66-3	Chloroform	0.17	0.39	ug/m3	501	6 / 10	0.17 - 0.39	0.39	---	0.11	C	---	---	YES	Above Screening Level
	74-87-3	Chloromethane	1.80	3.00	ug/m3	502	10 / 10	1.80 - 3.00	3.00	---	9.4	N	---	---	NO	Below Screening Level
	100-41-4	Ethylbenzene	0.56	1.70	ug/m3	501	10 / 10	0.56 - 1.70	1.70	---	0.97	C	---	---	YES	Above Screening Level
	78-93-3	Methyl ethyl ketone (2-butanone)	1.90	11.0	ug/m3	510	10 / 10	1.90 - 11.0	11.0	---	520	N	---	---	NO	Below Screening Level
	75-09-2	Methylene chloride	1.70	5.10 J	ug/m3	501	5 / 10	1.70 - 5.10	5.10	---	5.2	C	---	---	NO	Below Screening Level
	108-88-3	Toluene	3.00	6.20	ug/m3	501	10 / 10	3.00 - 6.20	6.20	---	520	N	---	---	NO	Below Screening Level
	79-01-6	Trichloroethylene (TCE)	0.06	0.74	ug/m3	507	5 / 10	0.054 - 0.74	0.74	---	1.2	C	---	---	NO	Below Screening Level
	1330-20-7	Xylene, total	2.00	6.80	ug/m3	501	10 / 10	2.00 - 6.80	6.80	---	10	N	---	---	NO	Below Screening Level
	83-32-9	Acenaphthene	0.037	0.61	ug/m3	505	10 / 10	0.037 - 0.61	0.61	---	---		---	---	NO	No toxicity information
	208-96-8	Acenaphthylene	0.0016	0.018 J	ug/m3	507	10 / 10	0.0016 - 0.018	0.018	---	---		---	---	NO	No toxicity information
	120-12-7	Anthracene	0.0029	0.043 J	ug/m3	507	10 / 10	0.0029 - 0.043	0.043	---	---		---	---	NO	No toxicity information
	206-44-0	Fluoranthene	0.012	0.094	ug/m3	505	10 / 10	0.012 - 0.094	0.094	---	---		---	---	NO	No toxicity information
	86-73-7	Fluorene	0.03	0.31	ug/m3	505	10 / 10	0.03 - 0.31	0.31	---	---		---	---	NO	No toxicity information
	91-20-3	Naphthalene	0.10	1.30	ug/m3	503, 505	10 / 10	0.10 - 1.30	1.30	---	0.072	C	---	---	YES	Above Screening Level
	85-01-8	Phenanthrene	0.059	0.55	ug/m3	509	10 / 10	0.059 - 0.55	0.55	---	---		---	---	NO	No toxicity information
	129-00-0	Pyrene	0.0088	0.06 J	ug/m3	505	10 / 10	0.0088 - 0.06	0.06	---	---		---	---	NO	No toxicity information

TABLE H-2.7

Ambient Air at Street Level, Round 1 - Selection of Chemical of Potential Concern

Gowanus Canal Remedial Investigation

Brooklyn, New York

Scenario Timeframe:	Current/Future
Medium:	Air
Exposure Medium:	Air

Exposure Point	Cas Number	Chemical	Minimum Detected Value	Maximum Detected Value	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Conc. Used For Screening	Back-ground Value	Screening Toxicity Value		Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Delection or Selection
Ambient air at Street Level																
	67-64-1	Acetone	23.0	460	ug/m3	507	10 / 10	23.0 - 460	460	---	3200	N	---	---	NO	Below Screening Level
	71-43-2	Benzene	0.67	1.40	ug/m3	510	10 / 10	0.67 - 1.40	1.40	---	0.31	C	---	---	YES	Above Screening Level
	67-66-3	Chloroform	0.16	0.45	ug/m3	505	9 / 10	0.16 - 0.45	0.45	---	0.11	C	---	---	YES	Above Screening Level
	74-87-3	Chloromethane	1.40	2.50	ug/m3	502	8 / 10	1.40 - 5.20	2.50	---	9.4	N	---	---	NO	Below Screening Level
	100-41-4	Ethylbenzene	0.56	1.80	ug/m3	510	10 / 10	0.56 - 1.80	1.80	---	0.97	C	---	---	YES	Above Screening Level
	78-93-3	Methyl ethyl ketone (2-butanone)	2.30	30.0	ug/m3	507	10 / 10	2.30 - 30.0	30.0	---	520	N	---	---	NO	Below Screening Level
	75-09-2	Methylene chloride	2.00	2.00 J	ug/m3	506	1 / 10	1.70 - 8.70	2.00	---	5.2	C	---	---	NO	Below Screening Level
	108-88-3	Toluene	5.00	7.50	ug/m3	504, 505	6 / 10	3.70 - 7.50	7.50	---	520	N	---	---	NO	Below Screening Level
	79-01-6	Trichloroethylene (TCE)	0.06	0.60	ug/m3	502	8 / 10	0.06 - 0.60	0.60	---	1.2	C	---	---	NO	Below Screening Level
	1330-20-7	Xylene, total	2.40	7.60	ug/m3	510	10 / 10	2.40 - 7.60	7.60	---	10	N	---	---	NO	Below Screening Level
	83-32-9	Acenaphthene	0.079	1.30	ug/m3	507	10 / 10	0.079 - 1.30	1.30	---	---		---	---	NO	No toxicity information
	208-96-8	Acenaphthylene	0.0019	0.14	ug/m3	507	10 / 10	0.0019 - 0.14	0.14	---	---		---	---	NO	No toxicity information
	120-12-7	Anthracene	0.004	0.11	ug/m3	507	10 / 10	0.004 - 0.11	0.11	---	---		---	---	NO	No toxicity information
	206-44-0	Fluoranthene	0.018	0.20	ug/m3	509	10 / 10	0.018 - 0.20	0.20	---	---		---	---	NO	No toxicity information
	86-73-7	Fluorene	0.057	0.63	ug/m3	507	10 / 10	0.057 - 0.63	0.63	---	---		---	---	NO	No toxicity information
	91-20-3	Naphthalene	0.26	4.40	ug/m3	507	10 / 10	0.26 - 4.40	4.40	---	0.072	C	---	---	YES	Above Screening Level
	85-01-8	Phenanthrene	0.099	0.87	ug/m3	509	10 / 10	0.099 - 0.87	0.87	---	---		---	---	NO	No toxicity information
	129-00-0	Pyrene	0.0093	0.11	ug/m3	509	10 / 10	0.0093 - 0.11	0.11	---	---		---	---	NO	No toxicity information

TABLE H-2.8
Striped Bass Filet from Canal - Selection of Chemical of Potential Concern
Gowanus Canal Remedial Investigation
Brooklyn, New York

Scenario Timeframe:	Current/Future
Medium:	Surface Water/Sediment
Exposure Medium:	Fish and Crab Tissue

Exposure Point	Cas Number	Chemical	Minimum Detected Value	Maximum Detected Value	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Conc. Used For Screening	Back-ground Value	Screening Toxicity Value		Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Delection or Selection
Striped Bass in Gowanus Canal																
	5103-71-9	Alpha-chlordane	5.10	8.20 J	ug/kg	GC-TI406-SB	2 / 4	1.70 - 8.20	8.20	---	9	C	---	---	NO	Below Screening Level
	5103-74-2	Gamma-chlordane	3.50	3.50 J	ug/kg	GC-TI403-SB	1 / 5	1.70 - 3.50	3.50	---	9	C	---	---	NO	Below Screening Level
	72-54-8	P,P'-DDD	4.80	5.60 J	ug/kg	GC-TI406-SB	3 / 4	3.30 - 5.60	5.60	---	13	C	---	---	NO	Below Screening Level
	72-55-9	P,P'-DDE	4.80	12.0 NJ	ug/kg	GC-TI406-SB	5 / 5	4.80 - 12.0	12.0	---	9.3	C	---	---	YES	Above Screening Level
	50-29-3	P,P'-DDT	9.60	9.60 NJ	ug/kg	GC-TI403-SB	1 / 5	3.30 - 9.60	9.60	---	9.3	C	---	---	YES	Above Screening Level
	PCBDioxin	PCB Dioxin	2.83	4.31	ng/kg	GC-TI406-SB	5 / 5	2.83 - 4.31	4.31	---	0.020	C	---	---	YES	Above Screening Level
	PCBNonDioxin	PCB Nondioxin	244000	409000	ng/kg	GC-TI403-SB	5 / 5	244000 - 409000	409000	---	1600	C	---	---	YES	Above Screening Level
	PCBTotalCongen	Total PCB Congeners	263000	435000	ng/kg	GC-TI403-SB	5 / 5	263000 - 435000	435000	---	1600	C	---	---	YES	Above Screening Level
	7440-38-2	Arsenic	0.45	0.68 J	mg/kg	GC-TI403-SB	3 / 5	0.45 - 0.98	0.68	---	0.0021	C	---	---	YES	Above Screening Level
	7440-70-2	Calcium	197	541 J	mg/kg	GC-TI403-SB	5 / 5	197 - 541	541	---	---		---	---	NO	Essential Nutrient
	7439-95-4	Magnesium	190	343 J	mg/kg	GC-TI401-SB	5 / 5	190 - 343	343	---	---		---	---	NO	Essential Nutrient
	7439-97-6	Mercury	0.15	0.20	mg/kg	GC-TI406-SB	4 / 5	0.15 - 0.48	0.20	---	0.022	N	---	---	YES	Above Screening Level
	7440-09-7	Potassium	2070	3970	mg/kg	GC-TI406-SB	5 / 5	2070 - 3970	3970	---	---		---	---	NO	Essential Nutrient
	7782-49-2	Selenium	1.20	1.20 J	mg/kg	GC-TI403-SB, GC-TI406-SB	2 / 5	1.20 - 3.50	1.20	---	0.68	N	---	---	YES	Above Screening Level
	7440-23-5	Sodium	468	1060	mg/kg	GC-TI403-SB	5 / 5	468 - 1060	1060	---	---		---	---	NO	Essential Nutrient
	7440-66-6	Zinc	3.90	16.4	mg/kg	GC-TI403-SB	5 / 5	3.90 - 16.4	16.4	---	41	N	---	---	NO	Below Screening Level
	57-12-5	Cyanide, Total	0.28	0.63 J	mg/kg	GC-TI401-SB	3 / 5	0.28 - 2.50	0.63	---	2.7	N	---	---	NO	Below Screening Level

TABLE H-2.9

White Perch Filet from Canal - Selection of Chemical of Potential Concern

Gowanus Canal Remedial Investigation

Brooklyn, New York

Scenario Timeframe:	Current/Future
Medium:	Surface Water/Sediment
Exposure Medium:	Fish and Crab Tissue

Exposure Point	Cas Number	Chemical	Minimum Detected Value	Maximum Detected Value	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Conc. Used For Screening	Back-ground Value	Screening Toxicity Value		Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Delection or Selection
White Perch in Gowanus Canal																
	5103-74-2	Gamma-chlordane	5.00	5.00 J	ug/kg	GC-TI401-WP	1 / 2	1.70 - 5.00	5.00	---	9	C	---	---	NO	Below Screening Level
	72-55-9	P,P'-DDE	6.00	7.00 NJ	ug/kg	GC-TI401-WP	2 / 2	6.00 - 7.00	7.00	---	9.3	C	---	---	NO	Below Screening Level
	PCBDioxin	PCB Dioxin	4.46	5.08	ng/kg	GC-TI401-WP	2 / 2	4.46 - 5.08	5.08	---	0.020	C	---	---	YES	Above Screening Level
	PCBNonDioxin	PCB Nondioxin	302000	437000	ng/kg	GC-TI401-WP	2 / 2	302000 - 437000	437000	---	1600	C	---	---	YES	Above Screening Level
	PCBTotalCongen	Total PCB Congeners	324000	462000	ng/kg	GC-TI401-WP	2 / 2	324000 - 462000	462000	---	1600	C	---	---	YES	Above Screening Level
	7440-70-2	Calcium	318	4220 J	mg/kg	GC-TI401-WP	2 / 2	318 - 4220	4220	---	---		---	---	NO	Essential Nutrient
	7440-50-8	Copper	0.90	1.30 J	mg/kg	GC-TI401-WP	2 / 2	0.90 - 1.30	1.30	---	5.4	N	---	---	NO	Below Screening Level
	7439-95-4	Magnesium	245	362 J	mg/kg	GC-TI401-WP	2 / 2	245 - 362	362	---	---		---	---	NO	Essential Nutrient
	7439-96-5	Manganese	5.20	5.20	mg/kg	GC-TI401-WP	1 / 2	1.50 - 5.20	5.20	---	19	N	---	---	NO	Below Screening Level
	7439-97-6	Mercury	0.16	0.19	mg/kg	GC-TI401-WP	2 / 2	0.16 - 0.19	0.19	---	0.022	N	---	---	YES	Above Screening Level
	7440-09-7	Potassium	2550	2590	mg/kg	GC-TI401-WP	2 / 2	2550 - 2590	2590	---	---		---	---	NO	Essential Nutrient
	7782-49-2	Selenium	1.40	1.40 J	mg/kg	GC-TI401-WP	1 / 2	1.40 - 3.40	1.40	---	0.68	N	---	---	YES	Above Screening Level
	7440-23-5	Sodium	628	823	mg/kg	GC-TI401-WP	2 / 2	628 - 823	823	---	---		---	---	NO	Essential Nutrient
	7440-66-6	Zinc	5.10	9.50	mg/kg	GC-TI401-WP	2 / 2	5.10 - 9.50	9.50	---	41	N	---	---	NO	Below Screening Level
	57-12-5	Cyanide, Total	0.22	0.91 J	mg/kg	GC-TI401-WP	2 / 2	0.22 - 0.91	0.91	---	2.7	N	---	---	NO	Below Screening Level

TABLE H-2.10

Atlantic Eel Filet from Canal - Selection of Chemical of Potential Concern

Gowanus Canal Remedial Investigation

Brooklyn, New York

Scenario Timeframe:	Current/Future
Medium:	Surface Water/Sediment
Exposure Medium:	Fish and Crab Tissue

Exposure Point	Cas Number	Chemical	Minimum Detected Value	Maximum Detected Value	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Conc. Used For Screening	Back-ground Value	Screening Toxicity Value		Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Delection or Selection
Eel in Gowanus Canal																
	5103-71-9	Alpha-chlordane	10.0	22.0 J	ug/kg	GC-TI402-XAE	3 / 4	1.70 - 22.0	22.0	---	9	C	---	---	YES	Above Screening Level
	60-57-1	Dieldrin	5.00	17.0 J	ug/kg	GC-TI402-XAE	5 / 6	3.30 - 17.0	17.0	---	0.2	C	---	---	YES	Above Screening Level
	5103-74-2	Gamma-chlordane	9.90	13.0 J	ug/kg	GC-TI403-XAE	2 / 3	1.70 - 13.0	13.0	---	9	C	---	---	YES	Above Screening Level
	72-43-5	Methoxychlor	34.0	39.0 J	ug/kg	GC-TI403-XAE	2 / 6	17.0 - 39.0	39.0	---	680	N	---	---	NO	Below Screening Level
	72-54-8	P,P'-DDD	13.0	38.0 NJ	ug/kg	GC-TI403-XAE	4 / 4	13.0 - 38.0	38.0	---	13	C	---	---	YES	Above Screening Level
	72-55-9	P,P'-DDE	16.0	25.0 J	ug/kg	GC-TI403-XAE	4 / 5	3.30 - 25.0	25.0	---	9.3	C	---	---	YES	Above Screening Level
	50-29-3	P,P'-DDT	30.0	47.0 J	ug/kg	GC-TI406-XAE	2 / 4	3.30 - 47.0	47.0	---	9.3	C	---	---	YES	Above Screening Level
	PCBDioxin	PCB Dioxin	4.73	14.1	ng/kg	GC-TI406-XAE	6 / 6	4.73 - 14.1	14.1	---	0.020	C	---	---	YES	Above Screening Level
	PCBNonDioxin	PCB Nondioxin	480000	1220000	ng/kg	GC-TI406-XAE	6 / 6	480000 - 1220000	1220000	---	1600	C	---	---	YES	Above Screening Level
	PCBTotalCongen	Total PCB Congeners	519000	1350000	ng/kg	GC-TI406-XAE	6 / 6	519000 - 1350000	1350000	---	1600	C	---	---	YES	Above Screening Level
	7440-38-2	Arsenic	0.50	0.50 J	mg/kg	GC-TI402-XAE	1 / 6	0.50 - 0.98	0.50	---	0.0021	C	---	---	YES	Above Screening Level
	7440-70-2	Calcium	198	295 J	mg/kg	GC-TI402-XAE	3 / 6	198 - 485	295	---	---		---	---	NO	Essential Nutrient
	7440-47-3	Chromium	0.53	0.67 J	mg/kg	GC-TI402-XAE	2 / 6	0.53 - 0.97	0.67	---	0.0063	C	---	---	YES	Above Screening Level
	7440-50-8	Copper	0.86	7.40	mg/kg	GC-TI402-XAE	3 / 6	0.86 - 7.40	7.40	---	5.4	N	---	---	YES	Above Screening Level
	7439-89-6	Iron	12.7	12.7	mg/kg	GC-TI402-XAE	1 / 6	9.70 - 12.7	12.7	---	95	N	---	---	NO	Essential Nutrient
	7439-95-4	Magnesium	169	278 J	mg/kg	GC-TI403-XAE	4 / 6	169 - 485	278	---	---		---	---	NO	Essential Nutrient
	7439-97-6	Mercury	0.056	0.26	mg/kg	GC-TI406-XAE	6 / 6	0.056 - 0.26	0.26	---	0.022	N	---	---	YES	Above Screening Level
	7440-09-7	Potassium	1960	3570	mg/kg	GC-TI403-XAE	6 / 6	1960 - 3570	3570	---	---		---	---	NO	Essential Nutrient
	7782-49-2	Selenium	1.20	1.40 J	mg/kg	GC-TI403-XAE	2 / 6	1.20 - 3.40	1.40	---	0.68	N	---	---	YES	Above Screening Level
	7440-23-5	Sodium	524	944	mg/kg	GC-TI403-XAE	6 / 6	524 - 944	944	---	---		---	---	NO	Essential Nutrient
	7440-66-6	Zinc	11.5	29.7	mg/kg	GC-TI403-XAE	6 / 6	11.5 - 29.7	29.7	---	41	N	---	---	NO	Below Screening Level
	57-12-5	Cyanide, Total	0.30	3.10	mg/kg	GC-TI403-XAE	6 / 6	0.30 - 3.10	3.10	---	2.7	N	---	---	YES	Above Screening Level

TABLE H-2.11

Blue Crab Edible Tissue and Hepatopancreas from Canal - Selection of Chemical of Potential Concern

Gowanus Canal Remedial Investigation

Brooklyn, New York

Scenario Timeframe:	Current/Future
Medium:	Surface Water/Sediment
Exposure Medium:	Fish and Crab Tissue

Exposure Point	Cas Number	Chemical	Minimum Detected Value	Maximum Detected Value	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Conc. Used For Screening	Back-ground Value	Screening Toxicity Value		Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Delection or Selection
Crab in Gowanus Canal																
	83-32-9	Acenaphthene	23.8	73.0	ug/kg	GC-TI401-BC	12 / 12	23.8 - 73.0	73.0	---	8100	N	---	---	NO	Below Screening Level
	208-96-8	Acenaphthylene	6.07	14.3	ug/kg	GC-TI401-BC	6 / 12	3.64 - 14.3	14.3	---	8100	N	---	---	NO	Below Screening Level
	120-12-7	Anthracene	3.85	12.4	ug/kg	GC-TI401-BC	12 / 12	3.85 - 12.4	12.4	---	41000	N	---	---	NO	Below Screening Level
	56-55-3	Benzo(a)anthracene	4.75	15.7	ug/kg	GC-TI402-BC	5 / 12	2.87 - 15.7	15.7	---	4.3	C	---	---	YES	Above Screening Level
	50-32-8	Benzo(a)pyrene	5.45	17.5	ug/kg	GC-TI402-BC	11 / 12	4.53 - 17.5	17.5	---	0.43	C	---	---	YES	Above Screening Level
	205-99-2	Benzo(b)fluoranthene	4.82	9.61	ug/kg	GC-TI402-BC	9 / 12	2.74 - 9.61	9.61	---	4.3	C	---	---	YES	Above Screening Level
	191-24-2	Benzo(g,h,i)perylene	13.6	28.2	ug/kg	GC-TI401-BC	12 / 12	13.6 - 28.2	28.2	---	4100	N	---	---	NO	Below Screening Level
	207-08-9	Benzo(k)fluoranthene	3.65	8.76	ug/kg	GC-TI402-BC	8 / 12	2.44 - 8.76	8.76	---	43	C	---	---	NO	Below Screening Level
	218-01-9	Chrysene	5.03	13.6	ug/kg	GC-TI402-BC	8 / 12	2.91 - 13.6	13.6	---	430	C	---	---	NO	Below Screening Level
	53-70-3	Dibenz(a,h)anthracene	2.59	5.13	ug/kg	GC-TI402-BC	12 / 12	2.59 - 5.13	5.13	---	0.43	C	---	---	YES	Above Screening Level
	206-44-0	Fluoranthene	8.44	21.9	ug/kg	GC-TI402-BC	12 / 12	8.44 - 21.9	21.9	---	5400	N	---	---	NO	Below Screening Level
	86-73-7	Fluorene	6.43	26.8	ug/kg	GC-TI404-BC	12 / 12	6.43 - 26.8	26.8	---	5400	N	---	---	NO	Below Screening Level
	193-39-5	Indeno(1,2,3-c,d)pyrene	7.46	12.3	ug/kg	GC-TI402-BC	12 / 12	7.46 - 12.3	12.3	---	4.3	C	---	---	YES	Above Screening Level
	85-01-8	Phenanthrene	12.2	44.1	ug/kg	GC-TI401-BC	12 / 12	12.2 - 44.1	44.1	---	41000	N	---	---	NO	Below Screening Level
	129-00-0	Pyrene	9.88	28.6	ug/kg	GC-TI401-BC	12 / 12	9.88 - 28.6	28.6	---	4100	N	---	---	NO	Below Screening Level
	72-55-9	P,P'-DDE	2.05	2.79	ug/kg	GC-TI402-BC	12 / 12	2.05 - 2.79	2.79	---	9.3	C	---	---	NO	Below Screening Level
	PCBDioxin	PCB Dioxin	3.91	5.54	ng/kg	GC-TI405-BC	12 / 12	3.91 - 5.54	5.54	---	0.020	C	---	---	YES	Above Screening Level
	PCBNonDioxin	PCB Nondioxin	115000	167000	ng/kg	GC-TI405-BC	12 / 12	115000 - 167000	167000	---	1600	C	---	---	YES	Above Screening Level
	PCBTotalCongen	Total PCB Congeners	133000	194000	ng/kg	GC-TI405-BC	12 / 12	133000 - 194000	194000	---	1600	C	---	---	YES	Above Screening Level
	7440-38-2	Arsenic	0.902	1.47	mg/kg	GC-TI401-BC	12 / 12	0.902 - 1.47	1.47	---	0.0021	C	---	---	YES	Above Screening Level
	7440-70-2	Calcium	1050	1740	mg/kg	GC-TI406-BC	12 / 12	1050 - 1740	1740	---	---		---	---	NO	Essential Nutrient
	7440-50-8	Copper	8.19	11.7	mg/kg	GC-TI406-BC	12 / 12	8.19 - 11.7	11.7	---	5.4	N	---	---	YES	Above Screening Level
	7439-89-6	Iron	8.43	13.3	mg/kg	GC-TI406-BC	6 / 12	7.96 - 13.3	13.3	---	95	N	---	---	NO	Essential Nutrient
	7439-95-4	Magnesium	318	395	mg/kg	GC-TI406-BC	12 / 12	318 - 395	395	---	---		---	---	NO	Essential Nutrient
	7439-96-5	Manganese	2.20	3.24	mg/kg	GC-TI405-BC	12 / 12	2.20 - 3.24	3.24	---	19	N	---	---	NO	Below Screening Level
	7439-97-6	Mercury	0.0792	0.142	mg/kg	GC-TI402-BC	12 / 12	0.0792 - 0.142	0.142	---	0.022	N	---	---	YES	Above Screening Level
	7440-09-7	Potassium	1910	2390	mg/kg	GC-TI406-BC	12 / 12	1910 - 2390	2390	---	---		---	---	NO	Essential Nutrient
	7440-22-4	Silver	0.421	0.463	mg/kg	GC-TI401-BC	2 / 12	0.421 - 0.497	0.463	---	0.68	N	---	---	NO	Below Screening Level
	7440-23-5	Sodium	2630	3490	mg/kg	GC-TI401-BC, GC-TI402-BC	12 / 12	2630 - 3490	3490	---	---		---	---	NO	Essential Nutrient
	7440-66-6	Zinc	18.9	24.0	mg/kg	GC-TI406-BC	12 / 12	18.9 - 24.0	24.0	---	41	N	---	---	NO	Below Screening Level

TABLE H-2.11

Blue Crab Edible Tissue and Hepatopancreas from Canal - Selection of Chemical of Potential Concern

Gowanus Canal Remedial Investigation

Brooklyn, New York

Scenario Timeframe:	Current/Future
Medium:	Surface Water/Sediment
Exposure Medium:	Fish and Crab Tissue

Exposure Point	Cas Number	Chemical	Minimum Detected Value	Maximum Detected Value	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Conc. Used For Screening	Back-ground Value	Screening Toxicity Value		Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Delection or Selection
Crab in Gowanus Canal																
	57-12-5	Cyanide, Total	0.527	0.847	mg/kg	GC-TI401-BC	10 / 12	0.527 - 1.25	0.847	---	2.7	N	---	---	NO	Below Screening Level

TABLE H-2.12
All Surface Sediment in Canal - Selection of Chemical of Potential Concern
Gowanus Canal Remedial Investigation
Brooklyn, New York

Scenario Timeframe:	Current/Future
Medium:	Sediment
Exposure Medium:	Overflow Surface Sediment

Exposure Point	Cas Number	Chemical	Minimum Detected Value	Maximum Detected Value	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Conc. Used For Screening	Back-ground Value	Screening Toxicity Value		Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Delection or Selection
Sediment deposited in areas adjacent to Gowanus Canal associated with canal overflow																
	107-06-2	1,2-dichloroethane	3.90	45.0 J	ug/kg	323	6 / 27	3.90 - 45.0	45.0	---	430	C	---	---	NO	Below Screening Level
	106-46-7	1,4-dichlorobenzene	7.60	240 J	ug/kg	301	3 / 26	5.00 - 240	240	---	2400	C	---	---	NO	Below Screening Level
	67-64-1	Acetone	21.0	90.0	ug/kg	314	11 / 27	9.90 - 90.0	90.0	---	6100000	N	---	---	NO	Below Screening Level
	71-43-2	Benzene	6.80	110 J	ug/kg	304	4 / 27	5.00 - 110	110	---	1100	C	---	---	NO	Below Screening Level
	75-15-0	Carbon disulfide	4.70	89.0	ug/kg	314	9 / 27	4.70 - 89.0	89.0	---	82000	N	---	---	NO	Below Screening Level
	108-90-7	Chlorobenzene	53.0	53.0	ug/kg	301	1 / 27	5.00 - 53.0	53.0	---	29000	N	---	---	NO	Below Screening Level
	110-82-7	Cyclohexane	8.00	14.0 J	ug/kg	304	3 / 27	5.00 - 23.0	14.0	---	120000	N	---	---	NO	Below Screening Level
	100-41-4	Ethylbenzene	5.30	3600 J	ug/kg	315	8 / 27	5.00 - 3600	3600	---	5400	C	---	---	NO	Below Screening Level
	98-82-8	Isopropylbenzene (cumene)	4.60	760 J	ug/kg	315	7 / 27	4.60 - 760	760	---	210000	N	---	---	NO	Below Screening Level
	179601-23-1	m, p xylenes	5.40	810 J	ug/kg	315	5 / 27	5.00 - 810	810	---	340000	N	---	---	NO	Below Screening Level
	108-87-2	Methylcyclohexane	15.0	170 J	ug/kg	314	3 / 27	5.00 - 170	170	---	---		---	---	NO	No toxicity information
	75-09-2	Methylene chloride	2.20	7.70 J	ug/kg	306	6 / 27	2.20 - 23.0	7.70	---	11000	C	---	---	NO	Below Screening Level
	95-47-6	o-xylene (1,2-dimethylbenzene)	19.0	1200 J	ug/kg	315	5 / 27	5.00 - 1200	1200	---	380000	N	---	---	NO	Below Screening Level
	1634-04-4	Tert-butyl methyl ether	34.0	34.0 J	ug/kg	304	1 / 27	5.00 - 34.0	34.0	---	43000	C	---	---	NO	Below Screening Level
	127-18-4	Tetrachloroethylene(PCE)	5.80	11.0 J	ug/kg	302	2 / 27	5.00 - 23.0	11.0	---	550	C	---	---	NO	Below Screening Level
	108-88-3	Toluene	5.80	36.0 J	ug/kg	314	4 / 27	5.00 - 36.0	36.0	---	500000	N	---	---	NO	Below Screening Level
	79-01-6	Trichloroethylene (TCE)	4.20	4.20 J	ug/kg	301	1 / 27	4.20 - 23.0	4.20	---	2800	C	---	---	NO	Below Screening Level
	75-69-4	Trichlorofluoromethane	4.60	8.90 J	ug/kg	302	3 / 27	4.60 - 23.0	8.90	---	79000	N	---	---	NO	Below Screening Level
	91-57-6	2-methylnaphthalene	190	870000 J	ug/kg	315	16 / 27	120 - 870000	870000	---	31000	N	---	---	YES	Above Screening Level
	83-32-9	Acenaphthene	160	580000 J	ug/kg	315	21 / 27	160 - 580000	580000	---	340000	N	---	---	YES	Above Screening Level
	208-96-8	Acenaphthylene	270	150000 J	ug/kg	314	14 / 27	160 - 150000	150000	---	340000	N	---	---	NO	Below Screening Level
	120-12-7	Anthracene	330	610000 J	ug/kg	315	24 / 27	250 - 610000	610000	---	1700000	N	---	---	NO	Below Screening Level
	56-55-3	Benzo(a)anthracene	1100	490000 J	ug/kg	315	27 / 27	1100 - 490000	490000	---	150	C	---	---	YES	Above Screening Level
	50-32-8	Benzo(a)pyrene	1200	200000 J	ug/kg	314	26 / 27	250 - 200000	200000	---	15	C	---	---	YES	Above Screening Level
	205-99-2	Benzo(b)fluoranthene	1000	210000 J	ug/kg	314	26 / 27	250 - 210000	210000	---	150	C	---	---	YES	Above Screening Level
	191-24-2	Benzo(g,h,i)perylene	610	74000 J	ug/kg	314	26 / 27	260 - 74000	74000	---	170000	N	---	---	NO	Below Screening Level
	207-08-9	Benzo(k)fluoranthene	820	120000 J	ug/kg	314	26 / 27	250 - 120000	120000	---	1500	C	---	---	YES	Above Screening Level
	92-52-4	Biphenyl (diphenyl)	650	71000 J	ug/kg	315	2 / 27	650 - 230000	71000	---	210000	N	---	---	NO	Below Screening Level
	117-81-7	Bis(2-ethylhexyl) phthalate	2600	57000 J	ug/kg	314	21 / 27	2600 - 160000	57000	---	35000	C	---	---	YES	Above Screening Level
	86-74-8	Carbazole	1400	1400 J	ug/kg	308A	1 / 27	1400 - 230000	1400	---	---		---	---	NO	No toxicity information

TABLE H-2.12
All Surface Sediment in Canal - Selection of Chemical of Potential Concern
Gowanus Canal Remedial Investigation
Brooklyn, New York

Scenario Timeframe:	Current/Future
Medium:	Sediment
Exposure Medium:	Overflow Surface Sediment

Exposure Point	Cas Number	Chemical	Minimum Detected Value	Maximum Detected Value	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Conc. Used For Screening	Back-ground Value	Screening Toxicity Value		Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Delection or Selection
Sediment deposited in areas adjacent to Gowanus Canal associated with canal overflow																
	218-01-9	Chrysene	730	490000 J	ug/kg	315	27 / 27	730 - 490000	490000	---	15000	C	---	---	YES	Above Screening Level
	53-70-3	Dibenz(a,h)anthracene	200	14000	ug/kg	314	23 / 27	200 - 14000	14000	---	15	C	---	---	YES	Above Screening Level
	132-64-9	Dibenzofuran	1100	1100 J	ug/kg	319	1 / 27	1100 - 230000	1100	---	7800	N	---	---	NO	Below Screening Level
	84-74-2	Di-n-butyl phthalate	510	550 J	ug/kg	318	2 / 27	510 - 230000	550	---	610000	N	---	---	NO	Below Screening Level
	117-84-0	Di-n-octylphthalate	9300	9300 J	ug/kg	307A	1 / 27	6200 - 230000	9300	---	35000	N	---	---	NO	Below Screening Level
	206-44-0	Fluoranthene	1200	630000 J	ug/kg	314	27 / 27	1200 - 630000	630000	---	230000	N	---	---	YES	Above Screening Level
	86-73-7	Fluorene	130	540000 J	ug/kg	315	17 / 27	130 - 540000	540000	---	230000	N	---	---	YES	Above Screening Level
	193-39-5	Indeno(1,2,3-c,d)pyrene	1000	120000 J	ug/kg	314	27 / 27	1000 - 120000	120000	---	150	C	---	---	YES	Above Screening Level
	91-20-3	Naphthalene	120	1600000 J	ug/kg	315	19 / 27	120 - 1600000	1600000	---	3600	C	---	---	YES	Above Screening Level
	85-01-8	Phenanthrene	510	1100000 J	ug/kg	315	26 / 27	510 - 1100000	1100000	---	1700000	N	---	---	NO	Below Screening Level
	129-00-0	Pyrene	1400	670000 J	ug/kg	314	26 / 27	230 - 670000	670000	---	170000	N	---	---	YES	Above Screening Level
	5103-71-9	Alpha-chlordane	6.70	14.0 J	ug/kg	308A	2 / 27	2.70 - 530	14.0	---	1600	C	---	---	NO	Below Screening Level
	33213-65-9	Beta endosulfan	13.0	13.0 J	ug/kg	308A	1 / 27	5.30 - 1000	13.0	---	37000	N	---	---	NO	Below Screening Level
	1031-07-8	Endosulfan sulfate	21.0	21.0 J	ug/kg	308A	1 / 27	5.30 - 1000	21.0	---	37000	N	---	---	NO	Below Screening Level
	5103-74-2	Gamma-chlordane	5.90	29.0 J	ug/kg	308A	3 / 27	2.70 - 530	29.0	---	1600	C	---	---	NO	Below Screening Level
	72-43-5	Methoxychlor	33.0	33.0 J	ug/kg	308A	1 / 27	27.0 - 5300	33.0	---	31000	N	---	---	NO	Below Screening Level
	72-54-8	P,P'-DDD	7.90	1100 NJ	ug/kg	315	5 / 5	7.90 - 1100	1100	---	2000	C	---	---	NO	Below Screening Level
	72-55-9	P,P'-DDE	16.0	16.0 NJ	ug/kg	308A	1 / 26	5.30 - 1000	16.0	---	1400	C	---	---	NO	Below Screening Level
	12674-11-2	Aroclor 1016	140	290	ug/kg	318	4 / 27	41.0 - 290	290	---	390	N	---	---	NO	Below Screening Level
	12672-29-6	Aroclor 1248	230	2200 J	ug/kg	316	2 / 27	41.0 - 2200	2200	---	220	C	---	---	YES	Above Screening Level
	11097-69-1	Aroclor 1254	590	590 J	ug/kg	308A	1 / 27	48.0 - 590	590	---	110	N	---	---	YES	Above Screening Level
	11096-82-5	Aroclor 1260	150	3400 J	ug/kg	314	7 / 27	41.0 - 3400	3400	---	220	C	---	---	YES	Above Screening Level
	PCBDioxin	PCB Dioxin	0.241	111	ng/kg	314	19 / 19	0.241 - 111	111	---	3.7	C	---	---	YES	Above Screening Level
	PCBNonDioxin	PCB Nondioxin	92500	14700000	ng/kg	314	19 / 19	92500 - 14700000	14700000	---	220000	C	---	---	YES	Above Screening Level
	PCBTotalCongen	Total PCB Congeners	99500	15100000	ng/kg	314	19 / 19	99500 - 15100000	15100000	---	110000	N	---	---	YES	Above Screening Level
	7429-90-5	Aluminum	4870	18900 J	mg/kg	310	27 / 27	4870 - 18900	18900	---	7700	N	---	---	YES	Above Screening Level
	7440-38-2	Arsenic	3.40	44.7	mg/kg	308A	27 / 27	3.40 - 44.7	44.7	---	0.39	C	---	---	YES	Above Screening Level
	7440-39-3	Barium	83.1	631 J	mg/kg	317	27 / 27	83.1 - 631	631	---	1500	N	---	---	NO	Below Screening Level
	7440-41-7	Beryllium	0.11	0.46 J	mg/kg	309	12 / 27	0.11 - 1.60	0.46	---	16	N	---	---	NO	Below Screening Level
	7440-43-9	Cadmium	1.50	20.2 J	mg/kg	308A	27 / 27	1.50 - 20.2	20.2	---	7	N	---	---	YES	Above Screening Level

TABLE H-2.12
All Surface Sediment in Canal - Selection of Chemical of Potential Concern
Gowanus Canal Remedial Investigation
Brooklyn, New York

Scenario Timeframe:	Current/Future
Medium:	Sediment
Exposure Medium:	Overflow Surface Sediment

Exposure Point	Cas Number	Chemical	Minimum Detected Value	Maximum Detected Value	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Conc. Used For Screening	Back-ground Value	Screening Toxicity Value		Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Delection or Selection
Sediment deposited in areas adjacent to Gowanus Canal associated with canal overflow																
	7440-70-2	Calcium	4890	11300 J	mg/kg	313	27 / 27	4890 - 11300	11300	---	---		---	---	NO	Essential Nutrient
	7440-47-3	Chromium	22.7	139 J	mg/kg	314	27 / 27	22.7 - 139	139	---	0.29	C	---	---	YES	Above Screening Level
	7440-48-4	Cobalt	6.50	14.8 J	mg/kg	318	14 / 27	6.50 - 17.1	14.8	---	2.3	N	---	---	YES	Above Screening Level
	7440-50-8	Copper	85.8	790	mg/kg	308A	27 / 27	85.8 - 790	790	---	310	N	---	---	YES	Above Screening Level
	57-12-5	Cyanide, Total	0.54	18.0 J	mg/kg	302	14 / 27	0.54 - 18.0	18.0	---	160	N	---	---	NO	Below Screening Level
	7439-89-6	Iron	12400	87000	mg/kg	308A	27 / 27	12400 - 87000	87000	---	5500	N	---	---	YES	Above Screening Level
	7439-92-1	Lead	146	4220	mg/kg	308A	27 / 27	146 - 4220	4220	---	400	N	---	---	YES	Above Screening Level
	7439-95-4	Magnesium	4210	11400 J	mg/kg	318	27 / 27	4210 - 11400	11400	---	---		---	---	NO	Essential Nutrient
	7439-96-5	Manganese	89.1	480	mg/kg	308A	27 / 27	89.1 - 480	480	---	180	N	---	---	YES	Above Screening Level
	7439-97-6	Mercury	0.59	2.30 J	mg/kg	313	27 / 27	0.59 - 2.30	2.30	---	2.3	N	---	---	NO	Below Screening Level
	7440-02-0	Nickel	18.1	84.5 J	mg/kg	314	27 / 27	18.1 - 84.5	84.5	---	150	N	---	---	NO	Below Screening Level
	7440-09-7	Potassium	730	4410 J	mg/kg	310	27 / 27	730 - 4410	4410	---	---		---	---	NO	Essential Nutrient
	7782-49-2	Selenium	0.74	4.90 J	mg/kg	310	15 / 27	0.74 - 12.0	4.90	---	39	N	---	---	NO	Below Screening Level
	7440-22-4	Silver	1.80	6.80 J	mg/kg	310	22 / 27	1.20 - 6.80	6.80	---	39	N	---	---	NO	Below Screening Level
	7440-23-5	Sodium	2610	18700 J	mg/kg	322	27 / 27	2610 - 18700	18700	---	---		---	---	NO	Essential Nutrient
	7440-62-2	Vanadium	19.4	61.2 J	mg/kg	316	27 / 27	19.4 - 61.2	61.2	---	39	N	---	---	YES	Above Screening Level
	7440-66-6	Zinc	240	1520	mg/kg	308A	17 / 17	240 - 1520	1520	---	2300	N	---	---	NO	Below Screening Level

TABLE H-2.13
Surface Water in Canal, Wet Weather - Selection of Chemical of Potential Concern
Gowanus Canal Remedial Investigation
Brooklyn, New York

Scenario Timeframe:	Current/Future
Medium:	Surface Water
Exposure Medium:	Overflow Surface Water

Exposure Point	Cas Number	Chemical	Minimum Detected Value	Maximum Detected Value	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Conc. Used For Screening	Back-ground Value	Screening Toxicity Value		Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Delection or Selection
Canal Overflow – Surface Water																
	120-82-1	1,2,4-trichlorobenzene	0.12	0.12 J	ug/l	305	1 / 26	0.12 - 0.50	0.12	---	0.41	N	70	NRWQC	NO	Below Screening Level
	541-73-1	1,3-dichlorobenzene	0.13	0.13 J	ug/l	303, 305	2 / 26	0.13 - 0.50	0.13	---	37	N	960	NRWQC	NO	Below Screening Level
	106-46-7	1,4-dichlorobenzene	0.12	0.87	ug/l	306	14 / 26	0.12 - 0.87	0.87	---	0.43	C	190	NRWQC	YES	Above Screening Level
	67-64-1	Acetone	12.0	12.0	ug/l	307B	1 / 26	5.00 - 15.0	12.0	---	2200	N	---	---	NO	Below Screening Level
	71-43-2	Benzene	0.36	2.90	ug/l	316	16 / 26	0.36 - 2.90	2.90	---	0.41	C	10	NYSDEC	YES	Above Screening Level
	75-15-0	Carbon disulfide	0.14	0.17 J	ug/l	308B, 313	5 / 26	0.14 - 0.50	0.17	---	100	N	---	---	NO	Below Screening Level
	108-90-7	Chlorobenzene	0.12	0.33 J	ug/l	306	17 / 26	0.12 - 0.50	0.33	---	9.1	N	400	NYSDEC	NO	Below Screening Level
	67-66-3	Chloroform	0.50	0.69	ug/l	321	14 / 26	0.50 - 0.69	0.69	---	0.19	C	470	NRWQC	YES	Above Screening Level
	156-59-2	cis-1,2-dichloroethylene	0.21	0.51	ug/l	319	17 / 26	0.21 - 0.51	0.51	---	37	N	---	---	NO	Below Screening Level
	100-41-4	Ethylbenzene	0.18	2.60	ug/l	316	21 / 26	0.18 - 2.60	2.60	---	1.5	C	2100	NRWQC	YES	Above Screening Level
	98-82-8	Isopropylbenzene (cumene)	0.096	0.20 J	ug/l	316	4 / 26	0.096 - 0.50	0.20	---	68	N	---	---	NO	Below Screening Level
	179601-23-1	m, p xylenes	0.18	2.60	ug/l	316	22 / 26	0.18 - 2.60	2.60	---	120	N	---	---	NO	Below Screening Level
	79-20-9	Methyl acetate	0.44	0.44 J	ug/l	317	1 / 26	0.44 - 0.50	0.44	---	3700	N	---	---	NO	Below Screening Level
	75-09-2	Methylene chloride	0.99	3.40	ug/l	321	9 / 26	0.50 - 3.40	3.40	---	4.8	C	200	NYSDEC	NO	Below Screening Level
	95-47-6	o-xylene (1,2-dimethylbenzene)	0.13	5.10	ug/l	316	20 / 26	0.13 - 5.10	5.10	---	120	N	---	---	NO	Below Screening Level
	127-18-4	Tetrachloroethylene(PCE)	0.70	40.0 J	ug/l	319	24 / 26	0.50 - 40.0	40.0	---	0.11	C	3.3	NRWQC	YES	Above Screening Level
	108-88-3	Toluene	0.85	16.0	ug/l	316	24 / 26	0.50 - 16.0	16.0	---	230	N	6000	NYSDEC	NO	Below Screening Level
	10061-02-6	trans-1,3-dichloropropene	0.16	0.16 J	ug/l	306	1 / 26	0.16 - 0.50	0.16	---	0.43	C	---	---	NO	Below Screening Level
	79-01-6	Trichloroethylene (TCE)	0.10	0.12 J	ug/l	320	2 / 26	0.10 - 0.50	0.12	---	2	C	30	NRWQC	NO	Below Screening Level
	91-57-6	2-methylnaphthalene	0.17	3.00	ug/l	316	3 / 26	0.10 - 3.00	3.00	---	15	N	---	---	NO	Below Screening Level
	83-32-9	Acenaphthene	0.095	0.40	ug/l	313	20 / 26	0.095 - 1.00	0.40	---	220	N	990	NRWQC	NO	Below Screening Level
	120-12-7	Anthracene	0.095	0.095 J	ug/l	302	1 / 26	0.095 - 1.00	0.095	---	1100	N	40000	NRWQC	NO	Below Screening Level
	56-55-3	Benzo(a)anthracene	0.074	0.15	ug/l	302	4 / 26	0.074 - 1.00	0.15	---	0.029	C	0.018	NRWQC	YES	Above Screening Level
	50-32-8	Benzo(a)pyrene	0.14	0.30	ug/l	309	6 / 26	0.10 - 1.00	0.30	---	0.0029	C	0.018	NRWQC	YES	Above Screening Level
	205-99-2	Benzo(b)fluoranthene	0.12	0.33	ug/l	319	16 / 26	0.10 - 1.00	0.33	---	0.029	C	0.018	NRWQC	YES	Above Screening Level
	191-24-2	Benzo(g,h,i)perylene	0.13	1.50 J	ug/l	308A	23 / 26	0.10 - 1.50	1.50	---	110	N	---	---	NO	Below Screening Level
	207-08-9	Benzo(k)fluoranthene	0.037	0.12 J	ug/l	319	7 / 26	0.037 - 1.00	0.12	---	0.29	C	0.018	NRWQC	NO	Below Screening Level
	85-68-7	Benzyl butyl phthalate	0.73	1.10 J	ug/l	307A	3 / 26	0.73 - 50.0	1.10	---	35	C	1900	NRWQC	NO	Below Screening Level
	105-60-2	Caprolactam	0.33	1.50 J	ug/l	320	11 / 26	0.33 - 50.0	1.50	---	1800	N	---	---	NO	Below Screening Level
	218-01-9	Chrysene	0.057	0.11	ug/l	302	3 / 26	0.057 - 1.00	0.11	---	2.9	C	0.018	NRWQC	NO	Below Screening Level

TABLE H-2.13
Surface Water in Canal, Wet Weather - Selection of Chemical of Potential Concern
Gowanus Canal Remedial Investigation
Brooklyn, New York

Scenario Timeframe:	Current/Future
Medium:	Surface Water
Exposure Medium:	Overflow Surface Water

Exposure Point	Cas Number	Chemical	Minimum Detected Value	Maximum Detected Value	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Conc. Used For Screening	Back-ground Value	Screening Toxicity Value		Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Delection or Selection
Canal Overflow – Surface Water																
	53-70-3	Dibenz(a,h)anthracene	0.071	0.11	ug/l	303	4 / 26	0.071 - 1.00	0.11	---	0.0029	C	0.018	NRWQC	YES	Above Screening Level
	84-74-2	Di-n-butyl phthalate	0.28	0.62 J	ug/l	320	12 / 26	0.28 - 50.0	0.62	---	370	N	4500	NRWQC	NO	Below Screening Level
	117-84-0	Di-n-octylphthalate	0.23	0.28 J	ug/l	318	3 / 26	0.23 - 50.0	0.28	---	4.8	N	---	---	NO	Below Screening Level
	206-44-0	Fluoranthene	0.089	0.32	ug/l	313	22 / 26	0.089 - 1.00	0.32	---	150	N	140	NRWQC	NO	Below Screening Level
	86-73-7	Fluorene	0.079	0.32 J	ug/l	313	3 / 26	0.079 - 1.00	0.32	---	150	N	5300	NRWQC	NO	Below Screening Level
	193-39-5	Indeno(1,2,3-c,d)pyrene	0.16	1.10	ug/l	316	23 / 26	0.10 - 1.10	1.10	---	0.029	C	0.018	NRWQC	YES	Above Screening Level
	91-20-3	Naphthalene	0.13	1.40	ug/l	316	5 / 26	0.10 - 1.40	1.40	---	0.14	C	---	---	YES	Above Screening Level
	87-86-5	Pentachlorophenol	0.13	0.13 J	ug/l	311	1 / 26	0.13 - 2.00	0.13	---	0.56	C	3	NRWQC	NO	Below Screening Level
	85-01-8	Phenanthrene	0.13	1.40	ug/l	316	14 / 26	0.10 - 1.40	1.40	---	1100	N	---	---	NO	Below Screening Level
	129-00-0	Pyrene	0.10	0.34	ug/l	313	22 / 26	0.10 - 1.00	0.34	---	110	N	4000	NRWQC	NO	Below Screening Level
	7440-38-2	Arsenic	6.90	26.2	ug/l	302	26 / 26	6.90 - 26.2	26.2	---	0.045	C	0.14	NRWQC	YES	Above Screening Level
	7440-39-3	Barium	18.4	42.8 J	ug/l	307A	26 / 26	18.4 - 42.8	42.8	---	730	N	---	---	NO	Below Screening Level
	7440-70-2	Calcium	97200	296000	ug/l	324	24 / 24	97200 - 296000	296000	---	---		---	---	NO	Essential Nutrient
	7440-47-3	Chromium	3.90	29.3 J	ug/l	308B	26 / 26	3.90 - 29.3	29.3	---	0.043	C	---	---	YES	Above Screening Level
	7440-48-4	Cobalt	3.90	3.90 J	ug/l	307A	1 / 26	3.90 - 10.0	3.90	---	1.1	N	---	---	YES	Above Screening Level
	7439-89-6	Iron	651	1040 J	ug/l	317	3 / 26	651 - 1500	1040	---	2600	N	---	---	NO	Below Screening Level
	7439-92-1	Lead	2.90	26.8	ug/l	317	26 / 26	2.90 - 26.8	26.8	---	15	N	---	---	YES	Above Screening Level
	7439-95-4	Magnesium	276000	972000	ug/l	303	25 / 25	276000 - 972000	972000	---	---		---	---	NO	Essential Nutrient
	7439-96-5	Manganese	48.4	65.6	ug/l	307A	26 / 26	48.4 - 65.6	65.6	---	88	N	100	NRWQC	NO	Below Screening Level
	7439-97-6	Mercury	0.065	0.089 J	ug/l	302	19 / 26	0.065 - 0.20	0.089	---	1.1	N	0.0007	NYSDEC	NO	Below Screening Level
	7440-02-0	Nickel	2.10	29.8 J	ug/l	308B	25 / 25	2.10 - 29.8	29.8	---	73	N	4600	NRWQC	NO	Below Screening Level
	7440-09-7	Potassium	88700	290000	ug/l	324	24 / 24	88700 - 290000	290000	---	---		---	---	NO	Essential Nutrient
	7782-49-2	Selenium	13.9	64.6 J	ug/l	301	26 / 26	13.9 - 64.6	64.6	---	18	N	4200	NRWQC	YES	Above Screening Level
	7440-23-5	Sodium	2340000	7090000 J	ug/l	301	25 / 25	2340000 - 709000(	7090000	---	---		---	---	NO	Essential Nutrient
	7440-66-6	Zinc	17.7	75.7 J	ug/l	318	24 / 26	17.7 - 75.7	75.7	---	1100	N	26000	NRWQC	NO	Below Screening Level

TABLE H-2.14
Blue Crab Edible Tissue from Canal - Selection of Chemical of Potential Concern
Gowanus Canal Remedial Investigation
Brooklyn, New York

Scenario Timeframe:	Current/Future
Medium:	Surface Water/Sediment
Exposure Medium:	Fish and Crab Tissue

Exposure Point	Cas Number	Chemical	Minimum Detected Value	Maximum Detected Value	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Conc. Used For Screening	Back-ground Value	Screening Toxicity Value		Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Delection or Selection
Crab in Gowanus Canal																
	83-32-9	Acenaphthene	9.91	79.4 J	ug/kg	GC-TI401-BC	12 / 12	9.91 - 79.4	79.4	---	8100	N	---	---	NO	Below Screening Level
	208-96-8	Acenaphthylene	2.70	16.4	ug/kg	GC-TI401-BC	6 / 12	2.70 - 16.4	16.4	---	8100	N	---	---	NO	Below Screening Level
	120-12-7	Anthracene	8.59	12.7 J	ug/kg	GC-TI401-BC	2 / 12	3.22 - 12.7	12.7	---	41000	N	---	---	NO	Below Screening Level
	56-55-3	Benzo(a)anthracene	2.86	21.0	ug/kg	GC-TI402-BC	5 / 12	2.86 - 21.0	21.0	---	4.3	C	---	---	YES	Above Screening Level
	50-32-8	Benzo(a)pyrene	3.61	22.8	ug/kg	GC-TI402-BC	11 / 12	3.31 - 22.8	22.8	---	0.43	C	---	---	YES	Above Screening Level
	205-99-2	Benzo(b)fluoranthene	3.58	11.4	ug/kg	GC-TI402-BC	9 / 12	3.23 - 11.4	11.4	---	4.3	C	---	---	YES	Above Screening Level
	191-24-2	Benzo(g,h,i)perylene	8.46	32.1	ug/kg	GC-TI401-BC	12 / 12	8.46 - 32.1	32.1	---	4100	N	---	---	NO	Below Screening Level
	207-08-9	Benzo(k)fluoranthene	2.61	10.9	ug/kg	GC-TI402-BC	8 / 12	2.61 - 10.9	10.9	---	43	C	---	---	NO	Below Screening Level
	218-01-9	Chrysene	3.28	17.5	ug/kg	GC-TI402-BC	8 / 12	3.23 - 17.5	17.5	---	430	C	---	---	NO	Below Screening Level
	53-70-3	Dibenz(a,h)anthracene	3.07	5.78	ug/kg	GC-TI402-BC	9 / 12	3.07 - 5.78	5.78	---	0.43	C	---	---	YES	Above Screening Level
	206-44-0	Fluoranthene	3.55	19.3	ug/kg	GC-TI402-BC	11 / 12	3.23 - 19.3	19.3	---	5400	N	---	---	NO	Below Screening Level
	86-73-7	Fluorene	4.97	28.6	ug/kg	GC-TI404-BC	10 / 12	3.26 - 28.6	28.6	---	5400	N	---	---	NO	Below Screening Level
	193-39-5	Indeno(1,2,3-c,d)pyrene	5.89	13.7	ug/kg	GC-TI402-BC	12 / 12	5.89 - 13.7	13.7	---	4.3	C	---	---	YES	Above Screening Level
	85-01-8	Phenanthrene	3.26	43.5	ug/kg	GC-TI401-BC	12 / 12	3.26 - 43.5	43.5	---	41000	N	---	---	NO	Below Screening Level
	129-00-0	Pyrene	3.55	26.5 J	ug/kg	GC-TI401-BC	12 / 12	3.55 - 26.5	26.5	---	4100	N	---	---	NO	Below Screening Level
	72-55-9	P,P'-DDE	1.14	2.28 J	ug/kg	GC-TI402-BC	4 / 12	1.14 - 3.37	2.28	---	9.3	C	---	---	NO	Below Screening Level
	PCBDioxin	PCB Dioxin	1.92	4.52	ng/kg	GC-TI405-BC	12 / 12	1.92 - 4.52	4.52	---	0.020	C	---	---	YES	Above Screening Level
	PCBNonDioxin	PCB Nondioxin	64200	149000	ng/kg	GC-TI405-BC	12 / 12	64200 - 149000	149000	---	1600	C	---	---	YES	Above Screening Level
	PCBTotalCongen	Total PCB Congeners	73000	171000	ng/kg	GC-TI405-BC	12 / 12	73000 - 171000	171000	---	1600	C	---	---	YES	Above Screening Level
	7440-38-2	Arsenic	0.89	1.80	mg/kg	GC-TI401-BC, GC-TI404-BC	12 / 12	0.89 - 1.80	1.80	---	0.0021	C	---	---	YES	Above Screening Level
	7440-70-2	Calcium	850	1970	mg/kg	GC-TI405-BC	12 / 12	850 - 1970	1970	---	---		---	---	NO	Essential Nutrient
	7440-50-8	Copper	9.10	14.1	mg/kg	GC-TI401-BC	12 / 12	9.10 - 14.1	14.1	---	5.4	N	---	---	YES	Above Screening Level
	7439-89-6	Iron	5.60	13.3	mg/kg	GC-TI406-BC	6 / 12	5.60 - 13.3	13.3	---	95	N	---	---	NO	Essential Nutrient
	7439-95-4	Magnesium	342	453 J	mg/kg	GC-TI401-BC	12 / 12	342 - 453	453	---	---		---	---	NO	Essential Nutrient
	7439-96-5	Manganese	0.66	1.70	mg/kg	GC-TI402-BC, GC-TI406-BC	7 / 12	0.66 - 1.70	1.70	---	19	N	---	---	NO	Below Screening Level
	7439-97-6	Mercury	0.10	0.20	mg/kg	GC-TI402-BC	12 / 12	0.10 - 0.20	0.20	---	0.022	N	---	---	YES	Above Screening Level
	7440-09-7	Potassium	2360	2870	mg/kg	GC-TI403-BC	12 / 12	2360 - 2870	2870	---	---		---	---	NO	Essential Nutrient
	7440-22-4	Silver	0.40	0.44 J	mg/kg	GC-TI401-BC	2 / 12	0.40 - 0.99	0.44	---	0.68	N	---	---	NO	Below Screening Level
	7440-23-5	Sodium	2660	4100	mg/kg	GC-TI402-BC	12 / 12	2660 - 4100	4100	---	---		---	---	NO	Essential Nutrient
	7440-66-6	Zinc	19.8	26.8	mg/kg	GC-TI401-BC	12 / 12	19.8 - 26.8	26.8	---	41	N	---	---	NO	Below Screening Level

TABLE H-2.14

Blue Crab Edible Tissue from Canal - Selection of Chemical of Potential Concern

Gowanus Canal Remedial Investigation

Brooklyn, New York

Scenario Timeframe:	Current/Future
Medium:	Surface Water/Sediment
Exposure Medium:	Fish and Crab Tissue

Exposure Point	Cas Number	Chemical	Minimum Detected Value	Maximum Detected Value	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Conc. Used For Screening	Back-ground Value	Screening Toxicity Value		Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Delection or Selection
Crab in Gowanus Canal																
	57-12-5	Cyanide, Total	0.28	0.59 J	mg/kg	GC-TI401-BC	10 / 12	0.28 - 2.50	0.59	---	2.7	N	---	---	NO	Below Screening Level