Appendix D

Analytical Data

Part 1 - Sediment and Surface Water Analytical Data

Part 2 - Data Validation Memos and Forms

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Appendix D, Part 1

Sediment and Surface Water Analytical Data

Site Investigation Report

Hudson River Operable Unit 2

BASF Rensselaer

Rensselaer, New York

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Appendix D, Part 1

Sediment and Surface Water Analytical Data

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	UPSTREAM	UPSTREAM	UPSTREAM	UPSTREAM	UPSTREAM	UPSTREAM
		Location ID	SD002	SD005	SD009	SD009	SD015	SD017
		Sample Date	12/12/2005	5/5/2006	12/12/2005	12/12/2005	12/12/2005	5/4/2006
		Sample ID	01SD002UA1	02SD005UA1	01SD009UA1	01SD009UA2	01SD015UA1	02SD017UA1
		Depth Interval	0- .5	0- .5	0- .5	0- .5	0- .5	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	84.5		87.4	91.5	81.7	91.3
	COARSE SAND	%	20.0	14	24.5	22.7	18.5	21.4
	COBBLES	%	0.0	0	0.0	0.0	0.0	0
	FINE SAND	%	7.7	6.9	7.8	3.1	25.8	6.7
	GRAVEL	%	29.3	47.8	21.1	23.0	24.4	32.1
	MEDIUM SAND	%	41.6	29.7	45.3	42.4	21.8	38.8
	MOISTURE	%	16.9	20.3	12.3	14.3	18.9	10.3
	TOTAL CLAY	%	0.5	0.8	0.6	7.0	7.9	0.4
	TOTAL SAND	%	69.3	50.6	77.6	68.2	66.1	66.9
	TOTAL SILT	%	0.9	0.8	0.7	1.8	1.6	0.6
7440-44-0	TOTAL ORGANIC CARBON	mg/kg					1480 J	555
7429-90-5	ALUMINUM	mg/kg	8540 J	7540	6100 J	7020 J	12300 J	5730
7440-36-0	ANTIMONY	mg/kg	6.9 UJ	0.1 J	6.5 UJ	6.6 UJ	7.2 J	0.05 UJ
7440-38-2	ARSENIC	mg/kg	2.8 J	2.4	2.5 J	2.6 J	3.9 J	1.1
7440-39-3	BARIUM	mg/kg	40.8	32	34.3	54.9	110	15.7
7440-41-7	BERYLLIUM	mg/kg	0.57 U	1.2 U	0.54 U	0.55 U	0.6 U	1.1 U
7440-43-9	CADMIUM	mg/kg	0.57 U	1.2 U	0.54 U	0.55 U	0.6 U	1.1 U
7440-70-2	CALCIUM METAL	mg/kg	4150 J	16900 J	4810	3290	4630	2520 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	14.9 J	15.6	10.2 J	22.1 J	26.2 J	9.5
7440-48-4	COBALT	mg/kg	6.5	6.4	5.4 U	5.9	10.4	4.2
7440-50-8	COPPER	mg/kg	12.0 J	19.5 J	9.7 J	21.0 J	16.7 J	8.5 J
7439-89-6	IRON, TOTAL	mg/kg	17900	18000	14400	15300	29500	15900
7439-92-1	LEAD	mg/kg	12.0 J	25 UJ	7.5 J	26.7 J	17.7 J	22 UJ
7439-95-4	MAGNESIUM	mg/kg	5380 J	4820	3030 J	3400 J	5760 J	4670
7439-96-5	MANGANESE	mg/kg	268	290	235	349	476	205
7439-97-6	MERCURY	mg/kg	0.04 J	0.02	0.04 U	0.06	0.12 J	0.02
7440-02-0	NICKEL	mg/kg	16.4	16.9	11.0	12.4	27.1	13.5
7440-09-7	POTASSIUM	mg/kg	1260	943	994	1130	1600	434 U
7782-49-2	SELENIUM	mg/kg	0.57 U	1.2 U	0.55 U	0.52 U	0.61 U	1.1 U
7440-22-4	SILVER	mg/kg	1.1 U	0.03	1.1 U	1.1 U	1.2 U	0.02 U
7440-23-5	SODIUM	mg/kg	107	90.6 J	77.7	84.5	85.4	36.9 J
7440-28-0	THALLIUM	mg/kg	3.4 UJ	0.06	3.3 UJ	3.3 UJ	3.6 J	0.03
7440-62-2	VANADIUM	mg/kg	12.7	11.1	9.4	14.0	17.9	7.2
7440-66-6	ZINC	mg/kg	65.8 J	64.8	51.7 J	73.5 J	153 J	52.3

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	UPSTREAM	UPSTREAM	UPSTREAM	UPSTREAM	UPSTREAM	UPSTREAM
		Location ID	SD020	SD021	SD026	SD027	SD029	SD030
		Sample Date	5/5/2006	12/12/2005	5/4/2006	5/4/2006	12/12/2005	5/4/2006
		Sample ID	02SD020UA1	01SD021UA1	02SD026UA1	02SD027UA1	01SD029UA1	02SD030UA1
		Depth Interval	0- .5	0- .5	0- .5	0- .5	0- .5	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%		85.7	79.2		82.2	85.2
	COARSE SAND	%	19.7	21.4	5.5	9	10.6	17.4
	COBBLES	%	0	0.0	0	0	0.0	0
	FINE SAND	%	7.5	8.0	37.6	16.4	36.2	10.8
	GRAVEL	%	32.8	34.7	1.4	41.4	10.0	25.7
	MEDIUM SAND	%	38.3	34.2	53.6	29.5	37.4	41.5
	MOISTURE	%	12.4	12.0	25.1	13.2	20.0	14
	TOTAL CLAY	%	1	0.4	0.5	2.3	2.5	1.7
	TOTAL SAND	%	65.5	63.6	96.7	54.9	84.2	69.7
	TOTAL SILT	%	0.7	1.3	1.4	1.4	3.3	2.9
7440-44-0	TOTAL ORGANIC CARBON	mg/kg		1460 J	6130			3070
7429-90-5	ALUMINUM	mg/kg	3550	8860 J	7440	4770	8400 J	5060
7440-36-0	ANTIMONY	mg/kg	0.06 UJ	7.0 UJ	0.09 J	0.27 J	7.0 J	0.08 J
7440-38-2	ARSENIC	mg/kg	1.3	2.5 J	1.5	1.3	3.4 J	1.1
7440-39-3	BARIUM	mg/kg	14	27.8	35.8	47.4	47.3	27.6
7440-41-7	BERYLLIUM	mg/kg	1.1 U	0.58 U	1.2 U	1 U	0.58 U	1.2 U
7440-43-9	CADMIUM	mg/kg	1.1 U	0.58 U	1.2 U	1 U	0.58 U	1.2 U
7440-70-2	CALCIUM METAL	mg/kg	2130 J	1950 J	2170 J	6240 J	6080	1390 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	6	14.1 J	16.8	10.1	15.6 J	6.4
7440-48-4	COBALT	mg/kg	3.1	9.0	6.5	4.9	6.5	4.4
7440-50-8	COPPER	mg/kg	5.3 J	10.9 J	10.7	15	14.2 J	6.7
7439-89-6	IRON, TOTAL	mg/kg	9970	19000	17700	13600	26000	22600
7439-92-1	LEAD	mg/kg	22 UJ	7.6 J	24 UJ	48	32.5 J	23 UJ
7439-95-4	MAGNESIUM	mg/kg	1940	5210 J	3930	3590	4890 J	2480
7439-96-5	MANGANESE	mg/kg	156	324	316 J	214 J	668	332 J
7439-97-6	MERCURY	mg/kg	0.02 U	0.04 J	0.19	0.05	0.04 J	0.02 U
7440-02-0	NICKEL	mg/kg	6.3	17.7	14.3	9.8	14.3	7.8
7440-09-7	POTASSIUM	mg/kg	449 U	882	843	412 U	1240	508
7782-49-2	SELENIUM	mg/kg	1.1 U	0.56 U	1.2 U	1 U	0.58 U	1.2 U
7440-22-4	SILVER	mg/kg	0.02 U	1.2 U	0.03 J	0.08 J	1.2 U	0.02 UJ
7440-23-5	SODIUM	mg/kg	35.4 J	160	62.1 J	73.9 J	138	43.6 J
7440-28-0	THALLIUM	mg/kg	0.02	3.5 UJ	0.05	0.04	3.5 J	0.03
7440-62-2	VANADIUM	mg/kg	5.2	13.9	11.1	8.7	15.1	6.6
7440-66-6	ZINC	mg/kg	32.8	58.6 J	86.1	65.5	74.2 J	42.6

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	UPSTREAM	UPSTREAM	UPSTREAM	UPSTREAM	UPSTREAM	UPSTREAM
		Location ID	SD006	SD013	SD014	SD018	SD019	SD022
		Sample Date	5/5/2006	12/12/2005	5/5/2006	5/4/2006	12/12/2005	5/5/2006
		Sample ID	02SD006UA1	01SD013UA1	02SD014UA1	02SD018UA1	01SD019UA1	02SD022UA1
		Depth Interval	0- .5	0- .5	0- .5	0- .5	0- .5	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%		62.2			67.2	54.3
	COARSE SAND	%	3.3	0.0	0.3	0.2	6.5	0.3
	COBBLES	%	0	0.0	0	0	0.0	0
	FINE SAND	%	36	65.2	45.9	41.3	26.6	36.5
	GRAVEL	%	1.5	0.2	0	0	13.3	0.6
	MEDIUM SAND	%	9	1.2	1.8	2.4	14.8	1.7
	MOISTURE	%	64.2	50.1	57	77.8	41.8	69.2
	TOTAL CLAY	%	12	5.7	8.6	10.1	1.9	12.3
	TOTAL SAND	%	48.3	66.4	48	43.9	47.9	38.5
	TOTAL SILT	%	38.2	27.7	43.4	46	36.9	48.6
7440-44-0	TOTAL ORGANIC CARBON	mg/kg					14500 J	15800
7429-90-5	ALUMINUM	mg/kg	12100	9440 j	9310	11900 J	11300 J	13800 J
7440-36-0	ANTIMONY	mg/kg	0.39 J	9.5 UJ	0.33 J	0.4 J	8.5 UJ	0.33 J
7440-38-2	ARSENIC	mg/kg	3.7	4.0 J	2.8	3.2 J	5.1 J	3.9 J
7440-39-3	BARIUM	mg/kg	85.5	79.3	79	104 J	76.9	117 J
7440-41-7	BERYLLIUM	mg/kg	1 U	0.79 U	0.9 U	1 UJ	0.71 U	1 UJ
7440-43-9	CADMIUM	mg/kg	2.7	0.79 U	0.9 U	1.1 J	0.71 U	1.1 J
7440-70-2	CALCIUM METAL	mg/kg	7560 J	13500 J	11800 J	9210 J	5590 J	15600 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	54.9	24.5 J	22.5	29.4 J	25.5 J	27.3 J
7440-48-4	COBALT	mg/kg	9.8	8.1	9.6	11.3 J	9.8	11.5 J
7440-50-8	COPPER	mg/kg	50.5 J	31.0 J	28.9 J	34.8 J	25.1 J	32.6 J
7439-89-6	IRON, TOTAL	mg/kg	26600	20100	22100	27700 J	24300	29200 J
7439-92-1	LEAD	mg/kg	20 J	46.4 J	19 J	19 J	28.1 J	28.2 J
7439-95-4	MAGNESIUM	mg/kg	6400	6320 J	6870	7120 J	6170 J	8130 J
7439-96-5	MANGANESE	mg/kg	488	619	662	964 J	586	988 J
7439-97-6	MERCURY	mg/kg	0.28	0.07 J	0.1	0.13 J	0.08 J	0.19 J
7440-02-0	NICKEL	mg/kg	23.2	20.0	20.7	22.9 J	19.4	26 J
7440-09-7	POTASSIUM	mg/kg	1430	1570	1080	1270 J	1550	1880 J
7782-49-2	SELENIUM	mg/kg	1 U	0.77 U	0.9 U	1 UJ	0.71 U	1 UJ
7440-22-4	SILVER	mg/kg	0.31	1.6 U	0.13	0.21 J	1.4 U	0.16 J
7440-23-5	SODIUM	mg/kg	98 J	142	76 J	90.1 J	127	118 J
7440-28-0	THALLIUM	mg/kg	0.12	4.7 UJ	0.12	0.14 J	4.3 UJ	0.16 J
7440-62-2	VANADIUM	mg/kg	20.8	19.6	16.7	19.1 J	21.3	23.7 J
7440-66-6	ZINC	mg/kg	163	120 J	110	152 J	108 J	130 J

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	UPSTREAM	UPSTREAM	UPSTREAM	UPSTREAM	UPSTREAM	UPSTREAM
		Location ID	SD024	SD031	SD001	SD008	SD008	SD016
		Sample Date	12/12/2005	5/4/2006	5/5/2006	5/5/2006	5/5/2006	5/4/2006
		Sample ID	01SD024UA1	02SD031UA1	02SD001UA1	02SD008UA1	02SD008UA2	02SD016UA1
		Depth Interval	0- .5	0- .5	0- .5	0- .5	0- .5	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	51.1		92.1	78.0		
	COARSE SAND	%	2.7	2.4	21.2	8.6	7.9	13.5
	COBBLES	%	0.0	0	0	0	0	0
	FINE SAND	%	48.2	35.7	8.5	14.9	15.8	10.2
	GRAVEL	%	0.7	5.6	44.4	50.1	46.2	50.8
	MEDIUM SAND	%	21.4	4.6	23.5	19.3	22.6	23.1
	MOISTURE	%	58.0	63.7	12.8	14.5	14.3	11.5
	TOTAL CLAY	%	7.7	12.1	1.4	2.6	2.4	0.7
	TOTAL SAND	%	72.3	42.7	53.2	42.8	46.3	46.8
	TOTAL SILT	%	19.3	39.6	1	4.5	5.1	1.7
7440-44-0	TOTAL ORGANIC CARBON	mg/kg			1700	7630	6070	
7429-90-5	ALUMINUM	mg/kg	15700 J	8720	9900	8330	6950	5150
7440-36-0	ANTIMONY	mg/kg	11.2 UJ	0.45 J	0.08 J	0.14 J	0.12 J	0.42 J
7440-38-2	ARSENIC	mg/kg	5.1 J	2.3	8.7	1.6	1.6	1.4
7440-39-3	BARIUM	mg/kg	113	66.9	54.1	52	44.4	21.4
7440-41-7	BERYLLIUM	mg/kg	0.93 U	1 U	1.1 U	1.2 U	1.2 U	1.2 U
7440-43-9	CADMIUM	mg/kg	0.93 U	1 U	1.1 U	1.3	1.2 U	1.2 U
7440-70-2	CALCIUM METAL	mg/kg	8880 J	5380 J	11200 J	11300	15300	1700 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	36.5 J	19.9	14.3	16.3	16.9	9
7440-48-4	COBALT	mg/kg	13.0	8.7	9.6	8.3	6.4	5
7440-50-8	COPPER	mg/kg	32.4 J	33.6	21.3 J	16.4 J	14.7 J	11.7 J
7439-89-6	IRON, TOTAL	mg/kg	30800	21800	24800	22300	18500	14800
7439-92-1	LEAD	mg/kg	33.8 J	34.1	22 UJ	25 J	24 J	23 UJ
7439-95-4	MAGNESIUM	mg/kg	6950 J	4940	5960	4110	4030	2780
7439-96-5	MANGANESE	mg/kg	853	295 J	829	389	282	191
7439-97-6	MERCURY	mg/kg	0.10 J	0.16	0.04	0.05	0.04	0.02
7440-02-0	NICKEL	mg/kg	30.5	17.2	18.9	17.7	16.5	11.5
7440-09-7	POTASSIUM	mg/kg	2420	954	1050	990	869	643
7782-49-2	SELENIUM	mg/kg	0.95 U	1 U	1.1 U	1.2 U	1.2 U	1.1 U
7440-22-4	SILVER	mg/kg	1.9 U	0.22 J	0.03	0.06	0.04	0.04
7440-23-5	SODIUM	mg/kg	147	97.1 J	157 J	100	94.5	44.7 J
7440-28-0	THALLIUM	mg/kg	5.6 UJ	0.11	0.05	0.06	0.05	0.04
7440-62-2	VANADIUM	mg/kg	26.6	16.6	14.9	14.4	11.3	7.9
7440-66-6	ZINC	mg/kg	148 J	112	83.7	78.5	70.9	45.8

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	UPSTREAM	UPSTREAM	UPSTREAM	UPSTREAM	UPSTREAM	UPSTREAM
		Location ID	SD023	SD023	SD025	SD028	SD004	SD010
		Sample Date	5/4/2006	5/4/2006	5/5/2006	5/5/2006	5/5/2006	5/5/2006
		Sample ID	02SD023UA1	02SD023UA2	02SD025UA1	02SD028UA1	02SD004UA1	02SD010UA1
		Depth Interval	0- .5	0- .5	0- .5	0- .5	0- .5	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%						
	COARSE SAND	%	10.6		10.9	14.2	11.9	3.5
	COBBLES	%	0		0	0	0	0
	FINE SAND	%	21.2		34.5	13.7	20	69.5
	GRAVEL	%	50.6		27.2	47.1	28.9	2.1
	MEDIUM SAND	%	15		17.9	19.4	13.6	10.1
	MOISTURE	%	12.8		20.9	14.1	38.3	31.8
	TOTAL CLAY	%	0.8		2.5	2	7.6	5
	TOTAL SAND	%	46.8		63.3	47.3	45.5	83.1
	TOTAL SILT	%	1.8		7	3.6	18	9.8
7440-44-0	TOTAL ORGANIC CARBON	mg/kg						
7429-90-5	ALUMINUM	mg/kg	8610	6380	7230	7180	7480	6560
7440-36-0	ANTIMONY	mg/kg	0.09 J	0.2 J	0.21 J	0.14 J	0.3 J	0.37 J
7440-38-2	ARSENIC	mg/kg	1.2	1.3	1.2	2.1	3.1	3.6
7440-39-3	BARIUM	mg/kg	36.5	40.4	42.7	52.5	55	61.9
7440-41-7	BERYLLIUM	mg/kg	1.2 U	1.2 U	1.1 U	1.2 U	0.9 U	1.1 U
7440-43-9	CADMIUM	mg/kg	1.2 U	1.2 U	1.6	1.2 U	0.9 U	1.1 U
7440-70-2	CALCIUM METAL	mg/kg	6700 J	23100 J	5790 J	6080 J	3990 J	13700 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	15.7	13.5	16.5	27.2	18 J	25.2
7440-48-4	COBALT	mg/kg	6.9	5.7	7.4	6.8	7	5.8
7440-50-8	COPPER	mg/kg	18.4 J	12.8 J	16.6 J	34.9 J	34.3 J	37.5 J
7439-89-6	IRON, TOTAL	mg/kg	22000	15600	18000	20200	19800	18800
7439-92-1	LEAD	mg/kg	24 UJ	24 UJ	23 UJ	25 J	19 J	23 J
7439-95-4	MAGNESIUM	mg/kg	4710	3880	3960	4830	3940	4320
7439-96-5	MANGANESE	mg/kg	286	251	285	560	398	664
7439-97-6	MERCURY	mg/kg	0.03	0.03	0.12	0.04	0.09	0.07
7440-02-0	NICKEL	mg/kg	17.7	13.7	14.7	15.7	14.5	17.5
7440-09-7	POTASSIUM	mg/kg	1050	972	1010	936	857	987
7782-49-2	SELENIUM	mg/kg	1.2 U	1.2 U	1.1 U	1.2 U	1 U	1.1 U
7440-22-4	SILVER	mg/kg	0.03	0.03 J	0.07	0.05	0.11	0.12
7440-23-5	SODIUM	mg/kg	76.4 J	143	86.4 J	55.3 J	70 J	125 J
7440-28-0	THALLIUM	mg/kg	0.05	0.05	0.05	0.08	0.11	0.08
7440-62-2	VANADIUM	mg/kg	13	10.6	12.5	11.8	13.6	15.2
7440-66-6	ZINC	mg/kg	69.3	68.4	98	96.9	92.8	117

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	UPSTREAM	ADJACENT FAR FIELD	ADJACENT FAR FIELD	ADJACENT FAR FIELD	ADJACENT FAR FIELD	ADJACENT FAR FIELD
		Location ID	SD011	SD055	SD055	SD055	SD037	SD038
		Sample Date	5/5/2006	12/2/2005	12/2/2005	5/3/2006	5/4/2006	5/4/2006
		Sample ID	02SD011UA1	01SD055AB2	01SD055AB1	02SD055AA1	02SD037AA1	02SD038AA1
		Depth Interval	0- .5	2- 4	2- 4	0- .5	0- .5	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	78.8	86.4	84.6	87.9		90.2
	COARSE SAND	%	1.9		30.0		41.8	16.4
	COBBLES	%	0		0.0		0	0
	FINE SAND	%	66.8		5.5		0.9	5.1
	GRAVEL	%	0.7		21.7		12.7	44.9
	MEDIUM SAND	%	13.1		41.6		44	32.8
	MOISTURE	%	28.2		16.6		7.8	9.5
	TOTAL CLAY	%	4.8		0.1		0.4	0.4
	TOTAL SAND	%	81.8		77.1		86.7	54.3
	TOTAL SILT	%	12.7		1.1		0.2	0.4
7440-44-0	TOTAL ORGANIC CARBON	mg/kg	15800			985		1520
7429-90-5	ALUMINUM	mg/kg	5970	6310	5690	5390	5460	5690
7440-36-0	ANTIMONY	mg/kg	0.42 J	6.9 UJ	7.1 UJ	0.09 J	0.05 UJ	0.05 UJ
7440-38-2	ARSENIC	mg/kg	3	1.7	2.1		1.3	1.5
7440-39-3	BARIUM	mg/kg	61.9	26.7	25.4	20.8	17.7	23.4
7440-41-7	BERYLLIUM	mg/kg	1.2 U	0.58 U	0.59 U	1.1 U	1.1 U	1.1 U
7440-43-9	CADMIUM	mg/kg	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U
7440-70-2	CALCIUM METAL	mg/kg	12000 J	1680	2550	9330 J	2600 J	1250 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	21.4	8.4	6.6	7.6 J	7.9 J	9.2 J
7440-48-4	COBALT	mg/kg	6.2	5.8 U	5.9 U	5.4	4.7	4.8
7440-50-8	COPPER	mg/kg	27.7 J	6.7 J	5.4 J	5.9	5.3	6.6
7439-89-6	IRON, TOTAL	mg/kg	16800	13100	11300	13900	14000	15000
7439-92-1	LEAD	mg/kg	23 J	7.5 J	5.9 J	21 UJ	21 UJ	22 UJ
7439-95-4	MAGNESIUM	mg/kg	4160	3540	3140	3080	3940	3420
7439-96-5	MANGANESE	mg/kg	550	R	R	213 J	237 J	242 J
7439-97-6	MERCURY	mg/kg	0.1	0.04 U	0.04 U	0.02 U	0.02 U	0.02
7440-02-0	NICKEL	mg/kg	16.6	11.6	9.1	10.1	9.4	11
7440-09-7	POTASSIUM	mg/kg	989	747	666	427 U	420 U	652
7782-49-2	SELENIUM	mg/kg	1.2 U	0.55 U	0.56 U		1.1 U	1.1 U
7440-22-4	SILVER	mg/kg	0.18	1.2 U	1.2 U	0.02 UJ	0.02 U	0.02 J
7440-23-5	SODIUM	mg/kg	107 J	107	145	75	36.5	53.5
7440-28-0	THALLIUM	mg/kg	0.07	1.2 U	1.2 U		0.02 U	0.03
7440-62-2	VANADIUM	mg/kg	13.9	8.7	7.1	7.2	7.1	8.3
7440-66-6	ZINC	mg/kg	103	52.2	44.8	51.7	44.8	57.8

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT FAR FIELD	ADJACENT FAR FIELD	ADJACENT FAR FIELD	ADJACENT FAR FIELD	ADJACENT FAR FIELD	ADJACENT FAR FIELD
		Location ID	SD039	SD041	SD041	SD042	SD044	SD045
		Sample Date	5/4/2006	12/2/2005	5/3/2006	5/3/2006	5/3/2006	5/3/2006
		Sample ID	02SD039AA1	01SD041AB1	02SD041AA1	02SD042AA1	02SD044AA1	02SD045AA1
		Depth Interval	0- .5	2- 4	0- .5	0- .5	0- .5	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%		81.0	91.6			87.6
	COARSE SAND	%	19.5	18.8				
	COBBLES	%	0	0.0				
	FINE SAND	%	4.5	6.0				
	GRAVEL	%	46.6	15.5				
	MEDIUM SAND	%	26.4	58.4				
	MOISTURE	%	16.4	19.0				
	TOTAL CLAY	%	1.1	0.1				
	TOTAL SAND	%	50.4	83.2				
	TOTAL SILT	%	1.9	1.2				
7440-44-0	TOTAL ORGANIC CARBON	mg/kg		948	558			826
7429-90-5	ALUMINUM	mg/kg	6920	7180	5260	5500	5450	3970
7440-36-0	ANTIMONY	mg/kg	0.10 J	7.1 UJ	0.05 UJ	0.06 J	0.05 UJ	0.07 J
7440-38-2	ARSENIC	mg/kg	34.6	1.5	1.4	0.8	1.5	27.5
7440-39-3	BARIUM	mg/kg	104	22.9	17.9	30.2	22	17.1
7440-41-7	BERYLLIUM	mg/kg	1.2 U	0.59 U	1 U	1 U	1.1 U	1 U
7440-43-9	CADMIUM	mg/kg	1.2 U	1.2 U	1 U	1 U	1.1 U	1 U
7440-70-2	CALCIUM METAL	mg/kg	2480 J	2250	887 J	1410 J	1810 J	2990 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	11	7.5	6.9 J	8.1 J	7.4 J	6.8 J
7440-48-4	COBALT	mg/kg	4.6	6.2	4.9	6.0	4.6	4.0
7440-50-8	COPPER	mg/kg	11	6.7 J	16.2	8.8	4.3	10.4
7439-89-6	IRON, TOTAL	mg/kg	38500	13100	13800	20100	13500	11600
7439-92-1	LEAD	mg/kg	24 U	14.6 J	20 UJ	21 UJ	22 U	21 UJ
7439-95-4	MAGNESIUM	mg/kg	3770	3860	2830	3300	2570	2390
7439-96-5	MANGANESE	mg/kg	415 J	R	248 J	451 J	253 J	203 J
7439-97-6	MERCURY	mg/kg	0.04	0.04 U	0.02 U	0.02 U	0.02 U	0.02 U
7440-02-0	NICKEL	mg/kg	9.9	11.3	9.3	10.7	9.5	7.1
7440-09-7	POTASSIUM	mg/kg	980	727	407 U	427	644	416 U
7782-49-2	SELENIUM	mg/kg	1.2 U	0.61 U	1 U	1 U	1.1 U	1.7
7440-22-4	SILVER	mg/kg	0.02 UJ	1.2 U	0.02 UJ	0.02 UJ	0.02 UJ	0.31 J
7440-23-5	SODIUM	mg/kg	82.2	174	37.8	39.8	46.9	53.5
7440-28-0	THALLIUM	mg/kg	0.03	1.2 U	0.04	0.02	0.04 J	0.02
7440-62-2	VANADIUM	mg/kg	11.9	8.2	7.1	8.8	7	5.4
7440-66-6	ZINC	mg/kg	51.2	43.7	44.1	51.2	42.7	41.8

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT FAR FIELD	ADJACENT FAR FIELD	ADJACENT FAR FIELD	ADJACENT FAR FIELD	ADJACENT FAR FIELD	ADJACENT FAR FIELD
		Location ID	SD046	SD048	SD050	SD051	SD052	SD053
		Sample Date	5/3/2006	5/3/2006	5/3/2006	5/3/2006	5/3/2006	5/3/2006
		Sample ID	02SD046AA1	02SD048AA1	02SD050AA1	02SD051AA1	02SD052AA1	02SD053AA1
		Depth Interval	0- .5	0- .5	0- .5	0- .5	0- .5	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%		89.0	91.0		82.9	
	COARSE SAND	%						
	COBBLES	%						
	FINE SAND	%						
	GRAVEL	%						
	MEDIUM SAND	%						
	MOISTURE	%						
	TOTAL CLAY	%						
	TOTAL SAND	%						
	TOTAL SILT	%						
7440-44-0	TOTAL ORGANIC CARBON	mg/kg		300 U	300 U		1460	
7429-90-5	ALUMINUM	mg/kg	7210	5780	4180	5620	5090	5750
7440-36-0	ANTIMONY	mg/kg	0.12 J	0.05 UJ	0.05 UJ	0.08 J	0.09 J	0.08 J
7440-38-2	ARSENIC	mg/kg	16.8	1.3	0.8	9.6	1.0	1.7
7440-39-3	BARIUM	mg/kg	178	19.7	11.4	37.3	28.6	20.2
7440-41-7	BERYLLIUM	mg/kg	1.1 U	1 U	1 U	1.1 U	1.2 U	1 U
7440-43-9	CADMIUM	mg/kg	1.1 U	1 U	1 U	1.1 U	1.2 U	1 U
7440-70-2	CALCIUM METAL	mg/kg	6110 J	1320 J	823 J	2250 J	3200 J	12100 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	10.3 J	7.7 J	5.1 J	9.3 J	8.5 J	8.9 J
7440-48-4	COBALT	mg/kg	5.9	4.3	4.2	4.9	4.8	4.3
7440-50-8	COPPER	mg/kg	12.1	8.4	4.4	11.1	7.5	8.8
7439-89-6	IRON, TOTAL	mg/kg	23000	14700	10600	19800	14100	15000
7439-92-1	LEAD	mg/kg	24.8	20 UJ	20 UJ	21 UJ	23 UJ	20 UJ
7439-95-4	MAGNESIUM	mg/kg	3800	3380	2390	3270	2980	3600
7439-96-5	MANGANESE	mg/kg	310 J	217 J	117 J	234 J	283	197 J
7439-97-6	MERCURY	mg/kg	2.34	0.02 U	0.02	0.02	0.02	0.03
7440-02-0	NICKEL	mg/kg	10.6	9.7	8.4	10.1	8.2	10.5
7440-09-7	POTASSIUM	mg/kg	583	452	397 U	531	462 U	433
7782-49-2	SELENIUM	mg/kg	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U
7440-22-4	SILVER	mg/kg	0.05 J	0.02 UJ	0.02 UJ	0.04 J	0.02 UJ	0.04 J
7440-23-5	SODIUM	mg/kg	221	65.2	22.7	41.9	46.8	41.5
7440-28-0	THALLIUM	mg/kg	0.02	0.03	0.02 U	0.04	0.02	0.03
7440-62-2	VANADIUM	mg/kg	10.3	8.1	5.1	8.2	7.6	8.4
7440-66-6	ZINC	mg/kg	66.1	46.6	38.3	61.7	53.3	65.8

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD032	SD033	SD034	SD035	SD043	SD043
		Sample Date	5/4/2006	5/4/2006	5/4/2006	5/4/2006	5/3/2006	5/3/2006
		Sample ID	02SD032UA1	02SD033UA1	02SD034UA1	02SD035UA1	02SD043AA1	02SD043AA2
		Depth Interval	0- .5	0- .5	0- .5	0- .5	0- .5	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	53.1	53.8	57.6	46.6	54.6	54.5
	COARSE SAND	%	15.5	4.8	1.8	1		
	COBBLES	%	0	0	0	0		
	FINE SAND	%	19.2	31.9	41.4	28.6		
	GRAVEL	%	16.5	5	1.1	0.6		
	MEDIUM SAND	%	14.2	6.5	10.4	3.2		
	MOISTURE	%	64.1	68.2	54.4	95		
	TOTAL CLAY	%	7.3	13.1	9	16.9		
	TOTAL SAND	%	48.9	43.2	53.6	32.8		
	TOTAL SILT	%	27.3	38.7	36.3	49.7		
7440-44-0	TOTAL ORGANIC CARBON	mg/kg	50100	12600	13100	29400	16200	17300
7429-90-5	ALUMINUM	mg/kg	12100	10900	8490	12800	11200	
7440-36-0	ANTIMONY	mg/kg	0.81 J	0.58 J	0.36 J	0.97 J	0.31 J	
7440-38-2	ARSENIC	mg/kg	11.4	7.6	3.6	5.5	4.7	
7440-39-3	BARIUM	mg/kg	92.4	87.3	64.8	142	88.6	
7440-41-7	BERYLLIUM	mg/kg	1 U	1 U	0.9 U	0.9 U	1 U	
7440-43-9	CADMIUM	mg/kg	2.5	2.3	0.9 U	8.7	1.5	
7440-70-2	CALCIUM METAL	mg/kg	6600 J	9090 J	6950 J	7410 J	8750 J	
7440-47-3	CHROMIUM, TOTAL	mg/kg	126	54.8	23.5	132	28.6 J	
7440-48-4	COBALT	mg/kg	9.4	9.6	8.7	11.6	9.5	
7440-50-8	COPPER	mg/kg	164	56	30.1	71.3	41.4	
7439-89-6	IRON, TOTAL	mg/kg	24600	22900	20000	25900	22400	
7439-92-1	LEAD	mg/kg	167	62	33.1	139	28.4	
7439-95-4	MAGNESIUM	mg/kg	6000	6320	5290	6600	6260	
7439-96-5	MANGANESE	mg/kg	450 J	582 J	430	615 J	573 J	
7439-97-6	MERCURY	mg/kg	2.17	0.43	0.19	0.93	0.29	
7440-02-0	NICKEL	mg/kg	29.9	21.7	16.8	26.5	19.6	
7440-09-7	POTASSIUM	mg/kg	1210	1220	779	1310	1570	
7782-49-2	SELENIUM	mg/kg	1 U	1 U	0.9 U	0.9 U	1 U	
7440-22-4	SILVER	mg/kg	2.95 J	0.52 J	0.32	0.86 J	0.33 J	
7440-23-5	SODIUM	mg/kg	120 J	115 J	133 J	113 J	153	
7440-28-0	THALLIUM	mg/kg	0.16	0.13	0.11	0.15	0.12	
7440-62-2	VANADIUM	mg/kg	20.6	21.5	15.5	27	20.4	
7440-66-6	ZINC	mg/kg	272	183	122	250	122	

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD054	SD056	SD057	SD058	SD059	SD059
		Sample Date	5/3/2006	5/3/2006	12/12/2005	5/4/2006	5/2/2006	5/2/2006
		Sample ID	02SD054AA1	02SD056AA1	01SD057AA1	02SD058AA1	02SD059AA1	02SD059AA2
		Depth Interval	0- .5	0- .5	0- .5	0- .5	0- .5	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%		59.5	57.6	54.6		
	COARSE SAND	%			0.1	0	1.7	
	COBBLES	%			0.0	0	0	
	FINE SAND	%			29.5	0	52.4	
	GRAVEL	%			0.3	0	1	
	MEDIUM SAND	%			3.0	0	21.2	
	MOISTURE	%			70.2	0	44.8	
	TOTAL CLAY	%			6.5	0	7.9	
	TOTAL SAND	%			32.6	0	75.3	
	TOTAL SILT	%			60.6	0	15.8	
7440-44-0	TOTAL ORGANIC CARBON	mg/kg		14200	18200 J	19500		
7429-90-5	ALUMINUM	mg/kg	8140	10500	13400	9260	15100	12800
7440-36-0	ANTIMONY	mg/kg	0.12 J	0.24 J	10.4 UJ	0.41 J	0.61 J	0.46 J
7440-38-2	ARSENIC	mg/kg	2.1	6	10.7	6.6	4.4	4.2
7440-39-3	BARIUM	mg/kg	59.1	85.8	99.6	77.3	159	134
7440-41-7	BERYLLIUM	mg/kg	1.1 U	1 U	0.87 U	1 U	1.1 U	1.1 U
7440-43-9	CADMIUM	mg/kg	1.1 U	1 U	0.87 U	1 U	6.5	5.2
7440-70-2	CALCIUM METAL	mg/kg	7530 J	9590 J	12200 J	10100 J	5340	5120
7440-47-3	CHROMIUM, TOTAL	mg/kg	25.2 J	22.3 J	27.3 J	21.3 J	130	109
7440-48-4	COBALT	mg/kg	6.7	9.0	10.9	8.8	8.8	8.1
7440-50-8	COPPER	mg/kg	18.9	30.4	30.3 J	31.3	76.2 J	88.7 J
7439-89-6	IRON, TOTAL	mg/kg	17900	21600	25000	21300	22600	21500
7439-92-1	LEAD	mg/kg	33.6	28.1	26.6 J	26.5	119 J	106 J
7439-95-4	MAGNESIUM	mg/kg	3910	6130	7040	6050	5040	4800
7439-96-5	MANGANESE	mg/kg	315 J	624 J	670	587 J	402	408
7439-97-6	MERCURY	mg/kg	0.07	0.12	0.11	0.1	0.74	0.65
7440-02-0	NICKEL	mg/kg	15.6	18.2	24.4	19.3	22	19.5
7440-09-7	POTASSIUM	mg/kg	1280	1460	2070	1060	2980	2450
7782-49-2	SELENIUM	mg/kg	1.1 U	1 U	0.87 U	1 U	1.1 U	1.1 U
7440-22-4	SILVER	mg/kg	0.11 J	0.27 J	1.7 U	0.31 J	0.72	0.15
7440-23-5	SODIUM	mg/kg	120	130	133	95.9	138	114
7440-28-0	THALLIUM	mg/kg	0.07	0.11	5.2 UJ	0.12	0.09	0.09
7440-62-2	VANADIUM	mg/kg	13.5	18.9	26.1	17.3	31.1	29.4
7440-66-6	ZINC	mg/kg	96.5	104	116 J	106	221 J	198 J

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD077	SD077	SD077	SD077	SD078	SD080
		Sample Date	12/1/2005	12/1/2005	5/4/2006	5/4/2006	5/4/2006	5/4/2006
		Sample ID	01SD077AB1	01SD077AC1	02SD077AA1	02SD077AA2	02SD078AA1	02SD080AA1
		Depth Interval	2- 4	4- 6	0- .5	0- .5	0- .5	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	73.8	76.5	61.3	61.6	55.5	49.9
	COARSE SAND	%	2.5	0.4	3.9		0.3	9.4
	COBBLES	%	0.0	0.0	0		0	0
	FINE SAND	%	12.5	9.8	30.3		31.1	28.5
	GRAVEL	%	2.0	0.1	7.3		0	17.4
	MEDIUM SAND	%	54.1	71.2	10.9		10.5	17.6
	MOISTURE	%	37.9	28.4	57.5		72.1	33.1
	TOTAL CLAY	%	0.7	2.4	10.5		16.1	7
	TOTAL SAND	%	69.1	81.4	45.1		41.9	55.5
	TOTAL SILT	%	28.2	16.1	37.1		42	20.1
7440-44-0	TOTAL ORGANIC CARBON	mg/kg	24400		22900	17400	17700	10000
7429-90-5	ALUMINUM	mg/kg	8370	5180	11900 J	13600	11800	12400
7440-36-0	ANTIMONY	mg/kg	8.1 UJ	7.5 UJ	0.34 J	0.59 J	0.71 J	0.5 J
7440-38-2	ARSENIC	mg/kg	17.1	15.6	14.6 J	17	9.2	115
7440-39-3	BARIUM	mg/kg	83.1	46.7	101 J	117	109	108
7440-41-7	BERYLLIUM	mg/kg	0.68 U	0.63 U	1.1 UJ	1.1 U	1 U	0.9 U
7440-43-9	CADMIUM	mg/kg	5.9	1.3 U	1.1 J	1.6	6.3	1.6
7440-70-2	CALCIUM METAL	mg/kg	4950	3690	10400 J	7920	6320 J	9520 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	122	68.7	29.4 J	55.2 J	145 J	43.4 J
7440-48-4	COBALT	mg/kg	6.8 U	6.3 U	10.8 J	10.5	12.7	10.1
7440-50-8	COPPER	mg/kg	83.6 J	50.0 J	35.1 J	48.3	125	43.9
7439-89-6	IRON, TOTAL	mg/kg	14300	8320	26700 J	27200	21600	29200
7439-92-1	LEAD	mg/kg	134 J	93.4 J	34.1 J	50.5	149	43.1
7439-95-4	MAGNESIUM	mg/kg	3570	2000	7160 J	6340	5420	7180
7439-96-5	MANGANESE	mg/kg	R	R	851 J	401 J	358 J	802 J
7439-97-6	MERCURY	mg/kg	0.98	1.6	0.18 J	0.29	0.72	0.24
7440-02-0	NICKEL	mg/kg	17.3	11.6	21.5 J	25	33.4	22.5
7440-09-7	POTASSIUM	mg/kg	1190	763	1400 J	2230	1370	1870
7782-49-2	SELENIUM	mg/kg	0.68 U	0.65 U	1.1 UJ	1.1 U	1 U	0.9 U
7440-22-4	SILVER	mg/kg	1.4 U	1.3 U	0.19 J	0.39 J	0.85 J	0.31 J
7440-23-5	SODIUM	mg/kg	208	179	129 J	169	107	147
7440-28-0	THALLIUM	mg/kg	1.4 U	1.3 U	0.14 J	0.13	0.13	0.11
7440-62-2	VANADIUM	mg/kg	17.8	10.7	22 J	25.2	24.5	22.6
7440-66-6	ZINC	mg/kg	257	125	129 J	155	301	152

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD081	SD081	SD081	SD081	SD082	SD082
		Sample Date	12/1/2005	12/1/2005	12/12/2005	12/12/2005	12/12/2005	12/12/2005
		Sample ID	01SD081AB1	01SD081AC1	01SD081AA1	01SD081AA2	01SD082AA1	01SD082AA2
		Depth Interval	2- 4	4- 6	0- .5	0- .5	0- .5	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	52.0	61.5	53.7	42.3	41.1	39.7
	COARSE SAND	%	0.1	1.5	0.3		0.8	
	COBBLES	%	0.0	0.0	0.0		0.0	
	FINE SAND	%	30.5	28.2	32.9		24.3	
	GRAVEL	%	0.0	0.7	0.0		2.1	
	MEDIUM SAND	%	10.8	20.6	1.6		14.3	
	MOISTURE	%	97.5	62.6	75.6		143.7	
	TOTAL CLAY	%	1.2	7.4	18.6		1.9	
	TOTAL SAND	%	41.4	50.3	34.8		39.4	
	TOTAL SILT	%	57.4	41.6	46.6		56.6	
7440-44-0	TOTAL ORGANIC CARBON	mg/kg			15600 J	77900 J	14400 J	51500 J
7429-90-5	ALUMINUM	mg/kg	18200	13400	16000 J	16900 J	22200 J	22700 J
7440-36-0	ANTIMONY	mg/kg	11.2 UJ	9.7 UJ	10.8 UJ	13.5 UJ	14.2 UJ	15.1 UJ
7440-38-2	ARSENIC	mg/kg	11.5	17.6	8.8	6.5 J	6.9 J	7.4 J
7440-39-3	BARIUM	mg/kg	243	138	139	140 J	276 J	304 J
7440-41-7	BERYLLIUM	mg/kg	0.93 U	0.80 U	0.90 U	1.1 UJ	1.2 UJ	1.3 UJ
7440-43-9	CADMIUM	mg/kg	17.6	4.1	3.5	1.1 UJ	20.5 J	22.7 J
7440-70-2	CALCIUM METAL	mg/kg	8200	6390	8790	8470 J	7370 J	13000 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	356	161	139 J	40.6 J	600 J	665 J
7440-48-4	COBALT	mg/kg	10.5	9.4	14.4	14.1 J	13.6 J	13.8 J
7440-50-8	COPPER	mg/kg	178 J	131 J	154 J	80.0 J	253 J	273 J
7439-89-6	IRON, TOTAL	mg/kg	23100	20800	27100	31900 J	29400 J	30200 J
7439-92-1	LEAD	mg/kg	389 J	184 J	110 J	46.0 J	595 J	644 J
7439-95-4	MAGNESIUM	mg/kg	6540	5840	7290 J	7840 J	7160 J	7250 J
7439-96-5	MANGANESE	mg/kg	R	R	585	901 J	605 J	625 J
7439-97-6	MERCURY	mg/kg	3.7	2.8	0.45 J	0.24 J	1.4 J	1.4 J
7440-02-0	NICKEL	mg/kg	34.4	27.3	29.3	30.3 J	38.3 J	39.0 J
7440-09-7	POTASSIUM	mg/kg	2110	1710	2250	2440 J	2950 J	3030 J
7782-49-2	SELENIUM	mg/kg	0.95 U	0.80 U	0.90 U	1.2 UJ	1.2 UJ	1.2 UJ
7440-22-4	SILVER	mg/kg	2.2	1.6 U	1.8 U	2.3 UJ	2.4 UJ	2.5 UJ
7440-23-5	SODIUM	mg/kg	199	192	167	179 J	187 J	222 J
7440-28-0	THALLIUM	mg/kg	1.9 U	1.6 U	5.4 UJ	6.8 UJ	7.1 UJ	7.6 UJ
7440-62-2	VANADIUM	mg/kg	43.1	24.4	31.7	31.7 J	49.8 J	53.0 J
7440-66-6	ZINC	mg/kg	604	323	257 J	169 J	648 J	675 J

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD083	SD084	SD084	SD085	SD085	SD085
		Sample Date	5/4/2006	5/4/2006	5/4/2006	12/1/2005	12/1/2005	12/7/2005
		Sample ID	02SD083AA1	02SD084AA1	02SD084AA2	01SD085AB1	01SD085AC1	01SD085AA1
		Depth Interval	0- .5	0- .5	0- .5	2- 4	4- 6	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	59.7	46.1	53.5	48.8	58.4	39.3
	COARSE SAND	%	1.3	0.5		1.2	1.3	0.3
	COBBLES	%	0	0		0.0	0.0	0.0
	FINE SAND	%	42.3	40		26.7	24.5	20.5
	GRAVEL	%	0.9	0		0.0	0.6	0.0
	MEDIUM SAND	%	6.9	4.4		19.0	11.0	18.1
	MOISTURE	%	54.2	64.8		110.1	77.7	152.9
	TOTAL CLAY	%	11.2	12.8		4.3	11.3	3.1
	TOTAL SAND	%	50.5	44.9		46.9	36.8	38.9
	TOTAL SILT	%	37.4	42.3		48.8	51.3	58.0
7440-44-0	TOTAL ORGANIC CARBON	mg/kg	15400	14200	12300			48200 J
7429-90-5	ALUMINUM	mg/kg	9800	12900	14700 J	19500 J	17000	23500 J
7440-36-0	ANTIMONY	mg/kg	0.51 J	0.42 J	0.5 J	12.3 UJ	9.8 UJ	15.1 UJ
7440-38-2	ARSENIC	mg/kg	9.4	5.7	7.3 J	23.1 J	9.5	9.4 J
7440-39-3	BARIUM	mg/kg	77.8	98.2	118 J	301 J	164	376 J
7440-41-7	BERYLLIUM	mg/kg	1.2 U	1 U	1.1 UJ	1.0 UJ	0.82 U	1.3 UJ
7440-43-9	CADMIUM	mg/kg	1.5	1	1.5 J	28.6 J	7.8	24.4 J
7440-70-2	CALCIUM METAL	mg/kg	6570 J	7700	9210 J	7670 J	14300	9420 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	42 J	35.7	37.6 J	454 J	225	646 J
7440-48-4	COBALT	mg/kg	9.5	9.8	11.2 J	12.0 J	11.7	16.3 J
7440-50-8	COPPER	mg/kg	44.7	40.9	48.6 J	201 J	118 J	203 J
7439-89-6	IRON, TOTAL	mg/kg	28300	24200	27900 J	30000 J	25400	33800 J
7439-92-1	LEAD	mg/kg	74.8	34.8	38.2 J	437 J	219 J	772 J
7439-95-4	MAGNESIUM	mg/kg	5400	6720	7290 J	6960 J	8310	8190 J
7439-96-5	MANGANESE	mg/kg	462 J	497 J	822 J	R	R	835 J
7439-97-6	MERCURY	mg/kg	1.13	0.14	0.17 J	6.2 J	2.0	2.3 J
7440-02-0	NICKEL	mg/kg	20.9	21.1	24.2 J	39.2 J	35.2	44.1 J
7440-09-7	POTASSIUM	mg/kg	1450	1950	2280 J	2390 J	2070	2870 J
7782-49-2	SELENIUM	mg/kg	1.2 U	1 U	1.1 UJ	1.0 UJ	0.84 U	1.2 UJ
7440-22-4	SILVER	mg/kg	0.35 J	0.45 J	0.73 J	2.2 J	1.6 U	2.5 UJ
7440-23-5	SODIUM	mg/kg	112	143	164 J	247 J	263	268 J
7440-28-0	THALLIUM	mg/kg	0.11	0.12	0.14 J	2.0 UJ	1.6 U	7.6 UJ
7440-62-2	VANADIUM	mg/kg	18.2	23.6	27.1 J	50.4 J	34.5	54.3 J
7440-66-6	ZINC	mg/kg	139	142	151 J	783 J	443	650 J

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
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		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD086	SD087	SD087	SD087	SD088	SD089
		Sample Date	12/7/2005	12/1/2005	12/1/2005	12/7/2005	12/7/2005	12/1/2005
		Sample ID	01SD086AA1	01SD087AB1	01SD087AC1	01SD087AA1	01SD088AA1	01SD089AB1
		Depth Interval	0- .5	2- 4	4- 6	0- .5	0- .5	2- 4
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	64.9	52.0	59.9	40.0	55.1	58.5
	COARSE SAND	%	0.8	12.4	11.1	2.1	0.0	5.3
	COBBLES	%	0.0	0.0	0.0	0.0	0.0	0.0
	FINE SAND	%	58.9	28.1	36.5	23.3	16.3	39.7
	GRAVEL	%	0.2	4.1	1.2	2.6	0.0	1.0
	MEDIUM SAND	%	5.8	29.7	27.1	9.6	7.2	18.3
	MOISTURE	%	41.6	84.0	68.6	114.6	116.6	92.9
	TOTAL CLAY	%	0.4	0.9	0.1	0.3	10.5	1.0
	TOTAL SAND	%	65.5	70.2	74.7	35.0	23.5	63.3
	TOTAL SILT	%	33.9	24.8	24.0	62.1	66.0	34.7
7440-44-0	TOTAL ORGANIC CARBON	mg/kg	6330 J				37300 J	
7429-90-5	ALUMINUM	mg/kg	9380 J	14800	12800	20600 J	16800 J	14000
7440-36-0	ANTIMONY	mg/kg	8.8 UJ	11.4 UJ	9.5 J	15.0 UJ	10.9 UJ	10.2 UJ
7440-38-2	ARSENIC	mg/kg	7.3	24.7	40.8	16.0 J	7.6	34.6
7440-39-3	BARIUM	mg/kg	67.4	215	197	202 J	149	177
7440-41-7	BERYLLIUM	mg/kg	0.73 U	0.95 U	0.79 U	1.3 UJ	0.91 U	0.85 U
7440-43-9	CADMIUM	mg/kg	0.73 U	12.9	4.6	7.6 J	4.5	13.4
7440-70-2	CALCIUM METAL	mg/kg	22100 J	5820	5740	9130 J	7830 J	3860
7440-47-3	CHROMIUM, TOTAL	mg/kg	23.6 J	455	180	424 J	174 J	370
7440-48-4	COBALT	mg/kg	8.6	11.4	12.5	19.4 J	14.1	9.3
7440-50-8	COPPER	mg/kg	47.5 J	747 J	833 J	287 J	183 J	5440 J
7439-89-6	IRON, TOTAL	mg/kg	21500	30300	73400	42700 J	28400	20900
7439-92-1	LEAD	mg/kg	25.4 J	380 J	406 J	321 J	138 J	410 J
7439-95-4	MAGNESIUM	mg/kg	6290 J	5320	5880	7910 J	6000 J	4250
7439-96-5	MANGANESE	mg/kg	432	R	R	1090 J	827	R
7439-97-6	MERCURY	mg/kg	0.10 J	2.4	35.2	1.1 J	0.62 J	6.5
7440-02-0	NICKEL	mg/kg	18.5	40.3	77.3	42.9 J	31.6	40.6
7440-09-7	POTASSIUM	mg/kg	1320	1760	1780	2750 J	2400	1610
7782-49-2	SELENIUM	mg/kg	0.77 U	0.96 U	0.83 U	1.3 UJ	0.89 U	0.85 U
7440-22-4	SILVER	mg/kg	1.5 U	1.9 U	1.6 U	2.5 UJ	1.8 U	2.1
7440-23-5	SODIUM	mg/kg	116	274	281	206 J	147	291
7440-28-0	THALLIUM	mg/kg	4.4 UJ	1.9 U	1.6 U	7.5 UJ	5.4 UJ	1.7 U
7440-62-2	VANADIUM	mg/kg	19.4	31.1	23.1	43.9 J	32.1	28.2
7440-66-6	ZINC	mg/kg	102 J	617	330	434 J	171	1010

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD089	SD089	SD090	SD091	SD091	SD091
		Sample Date	12/1/2005	12/7/2005	12/7/2005	12/12/2005	5/9/2006	5/9/2006
		Sample ID	01SD089AC1	01SD089AA1	01SD090AA1	01SD091AA1	02SD091AB1	02SD091AB2
		Depth Interval	4- 6	0- .5	0- .5	0- .5	2- 4	2- 4
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	44.0	68.1	61.0	67.5	51.0	48.6
	COARSE SAND	%	1.8	1.5	0.2	3.3		
	COBBLES	%	0.0	0.0	0.0	0.0		
	FINE SAND	%	41.7	65.4	49.5	65.8		
	GRAVEL	%	0.0	1.4	0.1	2.3		
	MEDIUM SAND	%	20.4	7.4	2.0	10.1		
	MOISTURE	%	133.5	35.9	46.9	57.1		
	TOTAL CLAY	%	0.2	6.1	1.2	0.6		
	TOTAL SAND	%	63.9	74.3	51.7	79.2		
	TOTAL SILT	%	35.9	18.2	47.0	17.9		
7440-44-0	TOTAL ORGANIC CARBON	mg/kg		5250 J		15100 J	90100	80700
7429-90-5	ALUMINUM	mg/kg	21600 J	9720 J	13200 J	11500 J	21200	20800
7440-36-0	ANTIMONY	mg/kg	29.7 J	8.6 UJ	9.4 UJ	8.8 UJ	11.8 U	12.1 UJ
7440-38-2	ARSENIC	mg/kg	97.8 J	7.5	5.9 J	13.9	37.5	36.3 J
7440-39-3	BARIUM	mg/kg	334 J	94.8	90.4	131	282	224 J
7440-41-7	BERYLLIUM	mg/kg	1.1 UJ	0.71 U	0.78 U	0.73 U	0.98 U	1.1 J
7440-43-9	CADMIUM	mg/kg	4.5 J	0.71 U	0.78 U	1.6	2.7	3.4 J
7440-70-2	CALCIUM METAL	mg/kg	12600 J	7630 J	9770 J	3660 J	6850	8360 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	454 J	23.2 J	35.7 J	184 J	229	263 J
7440-48-4	COBALT	mg/kg	10.7 UJ	8.5	11.4	7.5	12.3	15.8 J
7440-50-8	COPPER	mg/kg	354 J	54.8 J	51.4 J	106 J	252	203 J
7439-89-6	IRON, TOTAL	mg/kg	33100 J	23800	22200	20100	35700	46500 J
7439-92-1	LEAD	mg/kg	655 J	24.3 J	37.2 J	171 J	318 J	475 J
7439-95-4	MAGNESIUM	mg/kg	4820 J	5740 J	7240 J	3790 J	6520	8350 J
7439-96-5	MANGANESE	mg/kg	R	390	459	269	672	945 J
7439-97-6	MERCURY	mg/kg	19.9 J	0.11 J	0.17 J	1.5 J	16.5 J	33.3 J
7440-02-0	NICKEL	mg/kg	92.7 J	17.9	23.6	24.6	40.4	43.6 J
7440-09-7	POTASSIUM	mg/kg	1930 J	1560	1990	1700	2810	3280 J
7782-49-2	SELENIUM	mg/kg	1.1 UJ	0.70 U	0.82 U	0.73 U	0.97 U	0.98 UJ
7440-22-4	SILVER	mg/kg	2.1 UJ	1.4 U	1.6 U	1.5 U	2.0 U	2.0 UJ
7440-23-5	SODIUM	mg/kg	440 J	108	131	119	408	448 J
7440-28-0	THALLIUM	mg/kg	2.1 UJ	4.3 UJ	4.7 UJ	4.4 UJ	2.0 U	2.0 UJ
7440-62-2	VANADIUM	mg/kg	28.5 J	19.5	24.0	22.0	31.2	37.9 J
7440-66-6	ZINC	mg/kg	2440 J	94.9 J	142 J	235 J	507	786 J

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
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		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD091	SD092	SD093	SD094	SD095	SD096
		Sample Date	5/9/2006	5/3/2006	12/7/2005	5/3/2006	12/12/2005	12/2/2005
		Sample ID	02SD091AC1	02SD092AA1	01SD093AA1	02SD094AA1	01SD095AA1	01SD096AB1
		Depth Interval	4- 6	0- .5	0- .5	0- .5	0- .5	2- 4
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	74.5	62.5	55.7	60.0	51.6	59.1
	COARSE SAND	%			1.6		0.5	1.7
	COBBLES	%			0.0		0.0	0.0
	FINE SAND	%			40.9		51.9	27.9
	GRAVEL	%			0.8		0.2	5.5
	MEDIUM SAND	%			7.5		2.0	7.3
	MOISTURE	%			70.2		68.3	68.7
	TOTAL CLAY	%			1.1		0.1	1.1
	TOTAL SAND	%			50.0		54.4	36.9
	TOTAL SILT	%			48.1		45.3	56.5
7440-44-0	TOTAL ORGANIC CARBON	mg/kg	19200	10600		15700	14000 J	
7429-90-5	ALUMINUM	mg/kg	9260	10300	14100 J	11400	14500 J	14800
7440-36-0	ANTIMONY	mg/kg	7.8 U	0.2 J	10.3 UJ	0.43 J	11.4 UJ	9.7 UJ
7440-38-2	ARSENIC	mg/kg	6.0	5.4	7.0 J	3.7	8.8	6.4
7440-39-3	BARIUM	mg/kg	80.1	77	107	91.7	104	147
7440-41-7	BERYLLIUM	mg/kg	0.65 U	1.2 U	0.85 U	1 U	0.95 U	0.81 U
7440-43-9	CADMIUM	mg/kg	0.65 U	1.2 U	2.0	4.8	0.95 U	3.7
7440-70-2	CALCIUM METAL	mg/kg	3090	8640 J	7540 J	7610 J	9670 J	11000
7440-47-3	CHROMIUM, TOTAL	mg/kg	38.0	23.2 J	65.7 J	102 J	34.3 J	178
7440-48-4	COBALT	mg/kg	7.5	8.4	11.5	10.6	12.1	12.6
7440-50-8	COPPER	mg/kg	47.0 J	31.1	95.2 J	55.9	37.1 J	90.5 J
7439-89-6	IRON, TOTAL	mg/kg	17500	21300	22000	23900	25500	29500
7439-92-1	LEAD	mg/kg	80.1 J	29	62.8 J	75.6	38.5 J	125 J
7439-95-4	MAGNESIUM	mg/kg	4120	5920	6180 J	6120	7020 J	7070
7439-96-5	MANGANESE	mg/kg	267	469 J	624	620 J	777	R
7439-97-6	MERCURY	mg/kg	7.1 J	0.1	0.27 J	0.3	0.13 J	0.52
7440-02-0	NICKEL	mg/kg	14.9	19.6	24.9	22.1	24.6	29.1
7440-09-7	POTASSIUM	mg/kg	1450	1750	2230	1280	2280	2150
7782-49-2	SELENIUM	mg/kg	0.65 U	1.2 U	0.86 U	1 U	0.92 U	0.85 U
7440-22-4	SILVER	mg/kg	1.3 U	0.17 J	1.7 U	0.59 J	1.9 U	1.6 U
7440-23-5	SODIUM	mg/kg	223	129	135	106	153	129
7440-28-0	THALLIUM	mg/kg	1.3 U	0.11	5.1 UJ	0.11	5.7 UJ	3.2 U
7440-62-2	VANADIUM	mg/kg	14.9	20.2	25.1	20.8	25.2	28.2
7440-66-6	ZINC	mg/kg	110	102	179 J	195	152 J	270

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		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD096	SD096	SD096	SD097	SD098	SD099
		Sample Date	12/2/2005	12/2/2005	12/7/2005	12/7/2005	12/7/2005	12/7/2005
		Sample ID	01SD096AB2	01SD096AC1	01SD096AA1	01SD097AA1	01SD098AA1	01SD099AA1
		Depth Interval	2- 4	4- 6	0- .5	0- .5	0- .5	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	58.6	57.1	66.0	51.2	42.7	64.6
	COARSE SAND	%		1.3	2.8	4.9	0.1	0.4
	COBBLES	%		0.0	0.0	0.0	0.0	0.0
	FINE SAND	%		28.8	68.9	64.5	33.6	69.1
	GRAVEL	%		0.1	3.9	6.7	0.0	0.1
	MEDIUM SAND	%		4.8	6.4	6.8	2.2	3.2
	MOISTURE	%		76.7	34.7	85.6	120.6	49.5
	TOTAL CLAY	%		4.2	7.3	9.4	4.0	15.0
	TOTAL SAND	%		34.9	78.1	76.2	35.9	72.7
	TOTAL SILT	%		60.8	10.7	7.7	60.1	12.2
7440-44-0	TOTAL ORGANIC CARBON	mg/kg				23200 J		8380 J
7429-90-5	ALUMINUM	mg/kg	15900	17600	11600 J	15900 J	17100 J	9670 J
7440-36-0	ANTIMONY	mg/kg	9.9 UJ	10.0 UJ	8.7 UJ	11.3 UJ	13.4 UJ	9.3 UJ
7440-38-2	ARSENIC	mg/kg	10.7	7.1	3.4 J	7.0 J	8.2 J	5.1 J
7440-39-3	BARIUM	mg/kg	159	198	69.9	137	134 J	64.3
7440-41-7	BERYLLIUM	mg/kg	0.83 U	0.83 U	0.73 U	0.94 U	1.1 UJ	0.77 U
7440-43-9	CADMIUM	mg/kg	3.5	9.2	0.73 U	3.5	1.1 UJ	0.77 U
7440-70-2	CALCIUM METAL	mg/kg	10400	9300	8320 J	7070 J	12800 J	60700 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	251	234	24.0 J	103 J	34.6 J	19.8 J
7440-48-4	COBALT	mg/kg	13.5	13.6	9.9	12.9	14.1 J	9.2
7440-50-8	COPPER	mg/kg	94.2 J	120 J	39.7 J	71.4 J	46.7 J	28.9 J
7439-89-6	IRON, TOTAL	mg/kg	33600	31900	24100	25700	32900 J	19900
7439-92-1	LEAD	mg/kg	114 J	212 J	33.5 J	98.2 J	41.3 J	28.9 J
7439-95-4	MAGNESIUM	mg/kg	6880	6930	5910 J	6520 J	7980 J	6040 J
7439-96-5	MANGANESE	mg/kg	R	R	520	832	1590 J	514
7439-97-6	MERCURY	mg/kg	0.57	1.1	1.2 J	0.45 J	0.18 J	0.14 J
7440-02-0	NICKEL	mg/kg	31.2	32.8	22.1	27.2	27.7 J	17.6
7440-09-7	POTASSIUM	mg/kg	2350	2240	1830	2200	2540 J	1480
7782-49-2	SELENIUM	mg/kg	0.84 U	0.83 U	0.74 U	0.96 U	1.2 UJ	0.74 U
7440-22-4	SILVER	mg/kg	1.7 U	1.7 U	1.5 U	1.9 U	2.2 UJ	1.5 U
7440-23-5	SODIUM	mg/kg	123	127	111	143	183 J	186
7440-28-0	THALLIUM	mg/kg	6.6 U	3.3 U	4.4 UJ	5.6 UJ	6.7 UJ	4.6 UJ
7440-62-2	VANADIUM	mg/kg	28.7	34.9	19.8	27.3	26.6 J	17.0
7440-66-6	ZINC	mg/kg	276	361	140 J	236 J	168 J	116 J

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD100	SD101	SD101	SD101	SD102	SD103
		Sample Date	5/2/2006	12/2/2005	12/2/2005	5/3/2006	5/3/2006	12/2/2005
		Sample ID	02SD100AA1	01SD101AB1	01SD101AC1	02SD101AA1	02SD102AA1	01SD103AB1
		Depth Interval	0- .5	2- 4	4- 6	0- .5	0- .5	2- 4
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	68	47.9	44.8	52.8	56.3	48.6
	COARSE SAND	%	0.2	1.1	0.0			0.7
	COBBLES	%	0	0.0	0.0			0.0
	FINE SAND	%	69.2	21.3	27.2			29.7
	GRAVEL	%	0.1	0.9	2.9			0.0
	MEDIUM SAND	%	8.4	15.6	30.5			20.6
	MOISTURE	%	32.2	109.7	122.0			108.6
	TOTAL CLAY	%	5.1	4.3	0.6			14.4
	TOTAL SAND	%	77.8	38.0	57.7			51.0
	TOTAL SILT	%	17	56.8	38.8			34.6
7440-44-0	TOTAL ORGANIC CARBON	mg/kg	7240			15400	12300	
7429-90-5	ALUMINUM	mg/kg	10900	20700 J	21300 J	11000	8890	18300 J
7440-36-0	ANTIMONY	mg/kg	0.18 J	12.3 UJ	13.3 UJ	0.48 J	0.27 J	12.0 UJ
7440-38-2	ARSENIC	mg/kg	2.5 J	6.6 J	8.4 J	9.0	3.4	6.9 J
7440-39-3	BARIUM	mg/kg	75.8	321 J	313 J	93.8	71.5	264 J
7440-41-7	BERYLLIUM	mg/kg	1.1 U	1.0 UJ	1.1 UJ	1.1 U	0.9 U	1.0 UJ
7440-43-9	CADMIUM	mg/kg	1.1 UJ	25.7 J	26.1 J	1.2	1.0	18.5 J
7440-70-2	CALCIUM METAL	mg/kg	5400 J	10400 J	9050 J	9380 J	16200 J	9640 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	24 J	499 J	489 J	24.8 J	22.0 J	407 J
7440-48-4	COBALT	mg/kg	9.1	12.7 J	13.1 J	9.5	8.5	12.7 J
7440-50-8	COPPER	mg/kg	25.8 J	251 J	219 J	30.7	40.2	451 J
7439-89-6	IRON, TOTAL	mg/kg	21400	30700 J	30500 J	22500	20600	31700 J
7439-92-1	LEAD	mg/kg	27.1 J	482 J	425 J	39.9	37.7	1120 J
7439-95-4	MAGNESIUM	mg/kg	4910	7470 J	7000 J	5910	5380	6810 J
7439-96-5	MANGANESE	mg/kg	513 J	R	R	557 J	524 J	R
7439-97-6	MERCURY	mg/kg	0.08	3.0 J	2.4 J	0.1	0.09	2.1 J
7440-02-0	NICKEL	mg/kg	18.4	36.0 J	35.4 J	18.7	20.7	34.9 J
7440-09-7	POTASSIUM	mg/kg	1860	2670 J	2650 J	1650	1150	2480 J
7782-49-2	SELENIUM	mg/kg	1.1 UJ	1.0 UJ	1.1 UJ	1.1 U	1 U	1.0 UJ
7440-22-4	SILVER	mg/kg	0.25 J	2.0 UJ	2.3 J	0.32 J	0.23 J	2.0 UJ
7440-23-5	SODIUM	mg/kg	98.4	226 J	190 J	162	147	185 J
7440-28-0	THALLIUM	mg/kg	0.08	4.1 UJ	4.4 UJ	0.11	0.11	4.0 UJ
7440-62-2	VANADIUM	mg/kg	20.2	48.7 J	51.4 J	20.0	16.4	40.2 J
7440-66-6	ZINC	mg/kg	109 J	574 J	643 J	123	134	564 J

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD103	SD103	SD103	SD103	SD104	SD104
		Sample Date	12/2/2005	5/2/2006	5/2/2006	5/2/2006	5/10/2006	5/10/2006
		Sample ID	01SD103AC1	02SD103AA1	02SD103AA2	02SD103DA1	02SD104AB1	02SD104AC1
		Depth Interval	4- 6	0- .5	0- .5	0- .5	2- 4	4- 6
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	50.9	53.7	55.2		55.4	62.1
	COARSE SAND	%	0.1	0.1			0	1.1
	COBBLES	%	0.0	0			0	0
	FINE SAND	%	2.1	53.2			20.4	25.4
	GRAVEL	%	0.0	0			0	0.9
	MEDIUM SAND	%	21.3	2.9			10.9	4.9
	MOISTURE	%	95.1	70.9			85.9	57.2
	TOTAL CLAY	%	32.0	7.6			13.3	17.8
	TOTAL SAND	%	23.5	56.2			31.3	31.4
	TOTAL SILT	%	44.5	36.2			55.4	49.9
7440-44-0	TOTAL ORGANIC CARBON	mg/kg		19300	20500		49300	48900
7429-90-5	ALUMINUM	mg/kg	18800			14600	18000	14800
7440-36-0	ANTIMONY	mg/kg	11.2 UJ			0.35 J	13.7 J	9.2 UJ
7440-38-2	ARSENIC	mg/kg	14.2			3.9	13.1	12.0
7440-39-3	BARIUM	mg/kg	280			113	203 J	156 J
7440-41-7	BERYLLIUM	mg/kg	0.94 U			1 U	0.88 U	0.77 U
7440-43-9	CADMIUM	mg/kg	30.7			1 UJ	9.9	2.4
7440-70-2	CALCIUM METAL	mg/kg	9190			9490 J	8020	12100
7440-47-3	CHROMIUM, TOTAL	mg/kg	446			32 J	307	84.5
7440-48-4	COBALT	mg/kg	12.0			10.6	12.9	13.0
7440-50-8	COPPER	mg/kg	642 J			80.6 J	169 J	127 J
7439-89-6	IRON, TOTAL	mg/kg	31800			25400	29300	30200
7439-92-1	LEAD	mg/kg	866 J			41.9 J	353 J	214 J
7439-95-4	MAGNESIUM	mg/kg	6660			6700	6540	7430
7439-96-5	MANGANESE	mg/kg	R			830 J	554	645
7439-97-6	MERCURY	mg/kg	3.8			0.17	33.7	2.3
7440-02-0	NICKEL	mg/kg	32.9			22.2	36.9	26.7
7440-09-7	POTASSIUM	mg/kg	2360			2610	2630	2420
7782-49-2	SELENIUM	mg/kg	0.94 U			1 UJ	0.88 U	0.77 U
7440-22-4	SILVER	mg/kg	1.9 U			0.42 J	2.8	1.9
7440-23-5	SODIUM	mg/kg	212			146	177 U	153 U
7440-28-0	THALLIUM	mg/kg	3.7 U			0.11	1.8 U	1.5 U
7440-62-2	VANADIUM	mg/kg	50.3			27.2	41.2	27.4
7440-66-6	ZINC	mg/kg	584			217	642 J	289 J

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD104	SD104	SD105	SD105	SD105	SD106
		Sample Date	5/10/2006	5/10/2006	5/10/2006	5/10/2006	5/10/2006	5/10/2006
		Sample ID	02SD104AC2	02SD104AD1	02SD105AB1	02SD105AC1	02SD105AD1	02SD106AB1
		Depth Interval	4- 6	6- 8	2- 4	4- 6	6- 8	2- 4
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	64.8	63.1	50.5	53.8	56.1	45.2
	COARSE SAND	%	1.8	2.7	0.5	0	0.1	0
	COBBLES	%	0	0	0	0	0	0
	FINE SAND	%	29.3	30.8	21	23.2	31.4	15.1
	GRAVEL	%	1.4	2.6	0.5	0	0	0
	MEDIUM SAND	%	17.6	27.4	7	10.3	8.7	16.4
	MOISTURE	%	58.4	54.5	101.5	89.7	72.6	119.9
	TOTAL CLAY	%	8.2	7.4	18.6	15.3	14	4.8
	TOTAL SAND	%	48.7	60.9	28.5	33.5	40.2	31.5
	TOTAL SILT	%	41.7	29.1	52.4	51.2	45.8	63.7
7440-44-0	TOTAL ORGANIC CARBON	mg/kg	39000	31300	75000	80000	69500	61000
7429-90-5	ALUMINUM	mg/kg	14400	10800	18900	16700	15000	19100 J
7440-36-0	ANTIMONY	mg/kg	8.8 UJ	9.2 UJ	12.5 J	11.0 UJ	10.5 UJ	21.9 J
7440-38-2	ARSENIC	mg/kg	18.4	9.5	16.9	19.9	14.0	11.7 J
7440-39-3	BARIUM	mg/kg	869 J	95.0 J	179 J	177 J	136 J	336 J
7440-41-7	BERYLLIUM	mg/kg	0.73 U	0.77 U	0.99 U	0.92 U	0.87 U	1.1 UJ
7440-43-9	CADMIUM	mg/kg	3.2	1.1	5.4	4.4	2.7	28.1 J
7440-70-2	CALCIUM METAL	mg/kg	11400	5130	6240	7700	6820	7450 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	93.4	30.1	294	221	147	476 J
7440-48-4	COBALT	mg/kg	10.7	10.1	13.9	12.4	11.2	12.8 J
7440-50-8	COPPER	mg/kg	123 J	55.7 J	167 J	163 J	125 J	314 J
7439-89-6	IRON, TOTAL	mg/kg	27700	23500	31700	30600	27600	29500 J
7439-92-1	LEAD	mg/kg	823 J	107 J	252 J	250 J	204 J	456 J
7439-95-4	MAGNESIUM	mg/kg	6910	5360	6420	6660	6690	6300 J
7439-96-5	MANGANESE	mg/kg	557	422	631	714	496	526 J
7439-97-6	MERCURY	mg/kg	3.4	1.4	2.2	2.5	3.8	4.2 J
7440-02-0	NICKEL	mg/kg	25.7	20.3	36.1	32.0	27.0	44.3 J
7440-09-7	POTASSIUM	mg/kg	2290	1830	2840	2650	2470	3170 J
7782-49-2	SELENIUM	mg/kg	1.1	0.95	0.99 U	0.90 U	0.86	1.1 UJ
7440-22-4	SILVER	mg/kg	1.8	1.5 U	2.9	2.6	1.8	4.6 J
7440-23-5	SODIUM	mg/kg	147 U	154 U	204	216	297	258 J
7440-28-0	THALLIUM	mg/kg	1.5 U	1.5 U	2.0 U	1.8 U	1.7 U	2.2 UJ
7440-62-2	VANADIUM	mg/kg	27.1	19.5	37.6	35.5	31.8	54.3 J
7440-66-6	ZINC	mg/kg	558 J	150 J	598 J	389 J	309 J	706 J

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD106	SD107	SD107	SD107	SD108	SD108
		Sample Date	5/10/2006	5/9/2006	5/9/2006	5/9/2006	5/10/2006	5/10/2006
		Sample ID	02SD106AC1	02SD107AB1	02SD107AB2	02SD107AC1	02SD108AB1	02SD108AC1
		Depth Interval	4- 6	2- 4	2- 4	4- 6	2- 4	4- 6
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	50.3	68.0	62.9	50.2	56.8	53.2
	COARSE SAND	%	0.9				0	0
	COBBLES	%	0				0	0
	FINE SAND	%	16.4				26.1	13.7
	GRAVEL	%	1.2				0	0
	MEDIUM SAND	%	13.8				4.6	5.9
	MOISTURE	%	103.1				74.8	92.1
	TOTAL CLAY	%	16.7				17.1	2.1
	TOTAL SAND	%	31.1				30.7	19.6
	TOTAL SILT	%	51				52.2	78.3
7440-44-0	TOTAL ORGANIC CARBON	mg/kg	75900	13300	18500	43400	34100	46400
7429-90-5	ALUMINUM	mg/kg	18700	11700	13700	20500	15500	18300
7440-36-0	ANTIMONY	mg/kg	17.9 J	8.7 U	9.4 U	11.5 U	10.6 UJ	11.4 J
7440-38-2	ARSENIC	mg/kg	37.2	5.2	6.8	13.4	6.4	16.6
7440-39-3	BARIUM	mg/kg	254 J	118	144	267	142 J	161 J
7440-41-7	BERYLLIUM	mg/kg	0.95 U	0.72 U	0.78 U	1.0	0.88 U	0.92 U
7440-43-9	CADMIUM	mg/kg	16.2	6.4 J	8.6 J	22.9 J	4.4	8.8
7440-70-2	CALCIUM METAL	mg/kg	7400	5140	5960	10900	9790	10300
7440-47-3	CHROMIUM, TOTAL	mg/kg	382	183	246	397	162	262
7440-48-4	COBALT	mg/kg	12.4	9.4	10.9	14.6	12.7	20.0
7440-50-8	COPPER	mg/kg	211 J	186 J	146 J	183 J	101 J	148 J
7439-89-6	IRON, TOTAL	mg/kg	31100	21900	24400	36900	27600	29600
7439-92-1	LEAD	mg/kg	329 J	202 J	261 J	316 J	120 J	202 J
7439-95-4	MAGNESIUM	mg/kg	6610	5000	5700	8430	6970	6910
7439-96-5	MANGANESE	mg/kg	422	391	505	861	714	847
7439-97-6	MERCURY	mg/kg	5.0	0.44	0.64	2.3 J	0.57	2.0
7440-02-0	NICKEL	mg/kg	41.7	22.2	27.8	38.1	28.5	42.9
7440-09-7	POTASSIUM	mg/kg	2830	1760	1960	2930	2400	2590
7782-49-2	SELENIUM	mg/kg	0.99 U	0.70 U	0.76 U	1.0 U	0.88 U	0.93 U
7440-22-4	SILVER	mg/kg	3.0	1.4 U	1.6 U	1.9 U	2.2	2.9
7440-23-5	SODIUM	mg/kg	250	174	156 U	192 U	176 U	184 U
7440-28-0	THALLIUM	mg/kg	1.9 U	1.4 U	1.6 U	1.9 U	3.5 U	1.8 U
7440-62-2	VANADIUM	mg/kg	42.2	24.3	28.5	49.4	31.9	38.3
7440-66-6	ZINC	mg/kg	661 J	255	322	534	309 J	631 J

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD108	SD108	SD109	SD109	SD110	SD110
		Sample Date	5/10/2006	5/10/2006	5/9/2006	5/9/2006	5/10/2006	5/10/2006
		Sample ID	02SD108AD1	02SD108AE1	02SD109AB1	02SD109AC1	02SD110AB1	02SD110AC1
		Depth Interval	6- 8	8- 10	2- 4	4- 6	2- 4	4- 6
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	54.7	56.7	58.9	66.4	56.9	64.9
	COARSE SAND	%	0.1	0.3			1.1	7.7
	COBBLES	%	0	0			0	0
	FINE SAND	%	16.5	14.1			19.2	25.8
	GRAVEL	%	1	0.1			2.6	10.7
	MEDIUM SAND	%	11.4	7.2			11.7	22.9
	MOISTURE	%	90.1	80			92.3	52.2
	TOTAL CLAY	%	8.2	16.1			18.5	7.7
	TOTAL SAND	%	28	21.6			32	56.4
	TOTAL SILT	%	62.8	62.2			46.9	25.2
7440-44-0	TOTAL ORGANIC CARBON	mg/kg	54400	76800	39200	19000	91600	36200
7429-90-5	ALUMINUM	mg/kg	16200	16000	14100	12800	15700	11500
7440-36-0	ANTIMONY	mg/kg	15.7 J	10.6 UJ	9.9 U	8.6 U	11.3 J	9.1 UJ
7440-38-2	ARSENIC	mg/kg	11.5	25.2	7.7	10.1	15.2	12.7
7440-39-3	BARIUM	mg/kg	191 J	188 J	133	119	158 J	96.0 J
7440-41-7	BERYLLIUM	mg/kg	0.91 U	0.88 U	0.82 U	0.72 U	0.88 U	0.76 U
7440-43-9	CADMIUM	mg/kg	17.3	3.7	5.6 J	2.1 J	7.1	2.4
7440-70-2	CALCIUM METAL	mg/kg	7430	8490	5010	5540	7380	4760
7440-47-3	CHROMIUM, TOTAL	mg/kg	324	174	213	130	243	98.8
7440-48-4	COBALT	mg/kg	12.3	12.9	10.0	9.8	11.8	10.2
7440-50-8	COPPER	mg/kg	283 J	193 J	117 J	86.5 J	137 J	89.7 J
7439-89-6	IRON, TOTAL	mg/kg	26000	32100	23200	22900	27300	27000
7439-92-1	LEAD	mg/kg	414 J	272 J	234 J	121 J	491 J	146 J
7439-95-4	MAGNESIUM	mg/kg	5780	6950	5290	5520	6040	5080
7439-96-5	MANGANESE	mg/kg	763	616	404	389	445	352
7439-97-6	MERCURY	mg/kg	3.5	12.4	1.2 J	1.2 J	1.7	1.7
7440-02-0	NICKEL	mg/kg	34.7	38.7	27.0	25.8	33.6	28.5
7440-09-7	POTASSIUM	mg/kg	2230	2380	2040	2060	2170	1780
7782-49-2	SELENIUM	mg/kg	0.87 U	1.3	0.83 U	0.72 U	1.0	0.88
7440-22-4	SILVER	mg/kg	2.5	2.3	1.6 U	1.4 U	2.4	1.8
7440-23-5	SODIUM	mg/kg	183 U	176 U	260	352	176 U	151 U
7440-28-0	THALLIUM	mg/kg	3.7 U	1.8 U	1.6 U	1.4 U	1.8 U	1.5 U
7440-62-2	VANADIUM	mg/kg	36.4	30.5	31.3	24.8	34.6	23.3
7440-66-6	ZINC	mg/kg	784 J	469 J	376	264	485 J	291 J

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD110	SD110	SD111	SD111	SD111	SD112
		Sample Date	5/10/2006	5/10/2006	5/9/2006	5/9/2006	5/9/2006	5/10/2006
		Sample ID	02SD110AD1	02SD110AD2	02SD111AB1	02SD111AC1	02SD111AD1	02SD112AB1
		Depth Interval	6- 8	6- 8	2- 4	4- 6	6- 8	2- 4
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	66.9	70.7	51.7	60.2	77.9	52.4
	COARSE SAND	%	2.9	2.6				0
	COBBLES	%	0	0				0
	FINE SAND	%	17.3	23				15.7
	GRAVEL	%	3.6	10.4				0
	MEDIUM SAND	%	20	13.3				8.3
	MOISTURE	%	55.6	51.7				97.1
	TOTAL CLAY	%	16.4	11.4				17.5
	TOTAL SAND	%	40.2	38.9				24
	TOTAL SILT	%	39.8	39.3				58.5
7440-44-0	TOTAL ORGANIC CARBON	mg/kg	36300	45100	37800	24400	3760	41400
7429-90-5	ALUMINUM	mg/kg	12100	11900	19300	14100	15300	15800
7440-36-0	ANTIMONY	mg/kg	8.9 UJ	8.4 UJ	11.2 U	9.7 U	7.4 U	11.5 UJ
7440-38-2	ARSENIC	mg/kg	10.5	9.8	8.6	10.6	10.4	6.5
7440-39-3	BARIUM	mg/kg	219	137	224	142	114	166 J
7440-41-7	BERYLLIUM	mg/kg	0.74 U	0.70 U	1.0	0.81 U	0.91	0.95 U
7440-43-9	CADMIUM	mg/kg	2.2	2.2	15.3 J	6.4 J	0.62 U	8.5
7440-70-2	CALCIUM METAL	mg/kg	6050	5600	8570	6310	33200	8630
7440-47-3	CHROMIUM, TOTAL	mg/kg	62.6	61.7	339	236	22.2	182
7440-48-4	COBALT	mg/kg	9.5	10.0	14.5	10.3	15.7	13.3
7440-50-8	COPPER	mg/kg	90.4 J	87.5 J	181 J	143 J	36.6 J	107 J
7439-89-6	IRON, TOTAL	mg/kg	25900	27000	32100	25100	34900	28200
7439-92-1	LEAD	mg/kg	482	324	456 J	328 J	24.6 J	218 J
7439-95-4	MAGNESIUM	mg/kg	5530	5740	7440	5710	12700	6560
7439-96-5	MANGANESE	mg/kg	616	435	805	411	740	869
7439-97-6	MERCURY	mg/kg	2.0	1.5	1.7 J	2.1 J	0.04 UJ	0.98
7440-02-0	NICKEL	mg/kg	21.6	21.5	35.9	26.7	31.3	31.5
7440-09-7	POTASSIUM	mg/kg	1750	1660	2630	2030	3090	2170
7782-49-2	SELENIUM	mg/kg	1.1	0.89	0.97 U	0.80 U	0.82	0.93 U
7440-22-4	SILVER	mg/kg	1.7	1.6	2.0	1.6 U	1.2 U	2.5
7440-23-5	SODIUM	mg/kg	150	142	186 U	166	229	191 U
7440-28-0	THALLIUM	mg/kg	1.5 U	1.4 U	1.9 U	1.6 U	1.2 U	5.7 U
7440-62-2	VANADIUM	mg/kg	22.2	21.1	40.8	30.3	27.4	32.2
7440-66-6	ZINC	mg/kg	262	235	489	490	74.4	405 J

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD112	SD112	SD112	SD112	SD113	SD113
		Sample Date	5/10/2006	5/10/2006	5/10/2006	5/10/2006	5/9/2006	5/9/2006
		Sample ID	02SD112AC1	02SD112AC2	02SD112AD1	02SD112AE1	02SD113AB1	02SD113AC1
		Depth Interval	4- 6	4- 6	6- 8	8- 10	2- 4	4- 6
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	49.4	47.6	47.5	59.7	50.1	53.0
	COARSE SAND	%	0	0	0.3	1.7		
	COBBLES	%	0	0	0	0		
	FINE SAND	%	12.5	12.5	15.7	25		
	GRAVEL	%	0	0	0	1.5		
	MEDIUM SAND	%	9.7	9.7	9.7	16.4		
	MOISTURE	%	113.1	112.9	102.1	70.6		
	TOTAL CLAY	%	20.6	15.6	19.9	12		
	TOTAL SAND	%	22.2	22.2	25.7	43.1		
	TOTAL SILT	%	57.2	62.2	54.4	43.4		
7440-44-0	TOTAL ORGANIC CARBON	mg/kg	48400	60800	57500	42300	33400	59100
7429-90-5	ALUMINUM	mg/kg	19900 J	22500 J	22700 J	15000	19000	18800
7440-36-0	ANTIMONY	mg/kg	18.7 J	22.0 J	23.1 J	14.0 J	12.0 U	11.2 U
7440-38-2	ARSENIC	mg/kg	16.3 J	11.0 J	10.9 J	13.0	8.6	9.3
7440-39-3	BARIUM	mg/kg	262 J	335 J	342 J	196 J	197	281
7440-41-7	BERYLLIUM	mg/kg	1.0 UJ	1.1 UJ	1.0 UJ	0.84 U	1.1	0.93 U
7440-43-9	CADMIUM	mg/kg	26.7 J	26.0 J	29.3 J	17.4	10.2 J	22.3 J
7440-70-2	CALCIUM METAL	mg/kg	8940 J	8700 J	9210 J	9090	9790	6970
7440-47-3	CHROMIUM, TOTAL	mg/kg	410 J	479 J	541 J	289	256	493
7440-48-4	COBALT	mg/kg	12.9 J	13.1 J	13.7 J	10.1	15.2	12.1
7440-50-8	COPPER	mg/kg	227 J	281 J	304 J	143 J	158 J	228 J
7439-89-6	IRON, TOTAL	mg/kg	30400 J	29100 J	31500 J	26200	33000	27800
7439-92-1	LEAD	mg/kg	458 J	625 J	622 J	379 J	280 J	600 J
7439-95-4	MAGNESIUM	mg/kg	7350 J	7050 J	7510 J	6100	7600	6510
7439-96-5	MANGANESE	mg/kg	619 J	571 J	632 J	463	878	513
7439-97-6	MERCURY	mg/kg	2.6 J	2.2 J	2.8 J	2.1	1.6 J	2.0 J
7440-02-0	NICKEL	mg/kg	36.7 J	38.2 J	41.1 J	26.7	38.0	34.0
7440-09-7	POTASSIUM	mg/kg	2810 J	3440 J	2750 J	1990	2660	2460
7782-49-2	SELENIUM	mg/kg	1.3 J	1.1 UJ	1.0 UJ	0.80 U	0.99 U	0.94 U
7440-22-4	SILVER	mg/kg	3.5 J	3.4 J	3.9 J	2.1	2.0 U	2.3
7440-23-5	SODIUM	mg/kg	200 UJ	210 UJ	201 UJ	168 U	200 U	187 U
7440-28-0	THALLIUM	mg/kg	2.0 UJ	2.1 UJ	2.0 UJ	1.7 U	2.0 U	1.9 U
7440-62-2	VANADIUM	mg/kg	48.5 J	55.1 J	56.6 J	40.5	37.9	45.5
7440-66-6	ZINC	mg/kg	648 J	668 J	689 J	489 J	490	627

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD113	SD113	SD114	SD114	SD114	SD114
		Sample Date	5/9/2006	5/9/2006	5/9/2006	5/9/2006	5/9/2006	5/9/2006
		Sample ID	02SD113AD1	02SD113AE1	02SD114AB1	02SD114AC1	02SD114AD1	02SD114AE1
		Depth Interval	6- 8	8- 10	2- 4	4- 6	6- 8	8- 10
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	60.4	67.2	64.7	60.4	73.2	77.8
	COARSE SAND	%						
	COBBLES	%						
	FINE SAND	%						
	GRAVEL	%						
	MEDIUM SAND	%						
	MOISTURE	%						
	TOTAL CLAY	%						
	TOTAL SAND	%						
	TOTAL SILT	%						
7440-44-0	TOTAL ORGANIC CARBON	mg/kg	33200	32200	24200	51600	9860	3130
7429-90-5	ALUMINUM	mg/kg	12600	13500	11300	14600	13000	15200
7440-36-0	ANTIMONY	mg/kg	9.5 U	8.8 U	9.2 U	9.5 U	7.9 U	7.3 U
7440-38-2	ARSENIC	mg/kg	10.3	12.2	3.9	10.2	4.3	4.6
7440-39-3	BARIUM	mg/kg	118	145	112	134	119	127
7440-41-7	BERYLLIUM	mg/kg	0.79 U	0.76	0.77 U	0.79 U	0.78	0.93
7440-43-9	CADMIUM	mg/kg	5.3 J	2.5 J	1.7 J	3.1 J	0.66 U	0.61 U
7440-70-2	CALCIUM METAL	mg/kg	8250	11500	7570	6300	17700	39300
7440-47-3	CHROMIUM, TOTAL	mg/kg	178	159	120	183	38.5	22.8
7440-48-4	COBALT	mg/kg	9.9	11.0	10.8	12.1	11.2	13.7
7440-50-8	COPPER	mg/kg	104 J	119 J	105 J	157 J	42.3 J	32.9 J
7439-89-6	IRON, TOTAL	mg/kg	24300	24900	24000	27800	25900	34000
7439-92-1	LEAD	mg/kg	403 J	528 J	345 J	500 J	54.9 J	16.6 J
7439-95-4	MAGNESIUM	mg/kg	6110	6810	5850	6400	8140	12600
7439-96-5	MANGANESE	mg/kg	431	436	649	420	466	713
7439-97-6	MERCURY	mg/kg	1.5 J	1.3 J	0.49 J	1.8 J	0.51 J	0.11 J
7440-02-0	NICKEL	mg/kg	24.3	26.7	23.6	29.5	23.6	28.5
7440-09-7	POTASSIUM	mg/kg	1830	2050	1690	2020	2470	3070
7782-49-2	SELENIUM	mg/kg	0.80 U	0.72 U	0.77 U	0.80 U	0.68 U	0.64 U
7440-22-4	SILVER	mg/kg	1.6 U	1.5 U	1.5 U	1.6 U	1.3 U	1.2 U
7440-23-5	SODIUM	mg/kg	158 U	191	153 U	164	212	291
7440-28-0	THALLIUM	mg/kg	1.6 U	1.5 U	1.5 U	1.6 U	1.3 U	1.2 U
7440-62-2	VANADIUM	mg/kg	26.0	26.2	21.6	28.8	22.8	26.9
7440-66-6	ZINC	mg/kg	314	345	225	379	115	73.8

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT FAR FIELD	ADJACENT FAR FIELD	ADJACENT FAR FIELD	ADJACENT FAR FIELD	ADJACENT FAR FIELD	ADJACENT FAR FIELD
		Location ID	SD036	SD036	SD040	SD047	SD047	SD049
		Sample Date	5/4/2006	5/4/2006	5/4/2006	12/12/2005	12/12/2005	5/3/2006
		Sample ID	02SD036AA1	02SD036AA2	02SD040AA1	01SD047AA1	01SD047AA2	02SD049AA1
		Depth Interval	0- .5	0- .5	0- .5	0- .5	0- .5	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%				80.9	81.9	
	COARSE SAND	%	15.1		23.3	9.9		
	COBBLES	%	0		0	0.0		
	FINE SAND	%	27		23	17.3		
	GRAVEL	%	28.7		11.7	4.2		
	MEDIUM SAND	%	27		40.2	66.2		
	MOISTURE	%	25.4		17.8	23.8		
	TOTAL CLAY	%	0.5		0.6	0.8		
	TOTAL SAND	%	69.1		86.5	93.4		
	TOTAL SILT	%	1.7		1.2	1.6		
7440-44-0	TOTAL ORGANIC CARBON	mg/kg						
7429-90-5	ALUMINUM	mg/kg	5770	5790	7520	7490 J	6570 J	8250
7440-36-0	ANTIMONY	mg/kg	0.18 J	0.1 J	0.07 J	7.3 UJ	7.1 UJ	0.08 J
7440-38-2	ARSENIC	mg/kg	1.2	1.7	2	2.1 J	4.7 J	2.0
7440-39-3	BARIUM	mg/kg	35.6	35.5	33.4	42.1	43.6	45.3
7440-41-7	BERYLLIUM	mg/kg	1.1 U	1.1 U	1.2 U	0.61 U	0.59 U	1.1 U
7440-43-9	CADMIUM	mg/kg	1.1 U	1.1 U	1.2 U	0.61 U	0.59 U	1.1 U
7440-70-2	CALCIUM METAL	mg/kg	19800 J	7580 J	11400 J	3610	5880	4590 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	12.9	12.2	12.4	11.3 J	11.7 J	16.6 J
7440-48-4	COBALT	mg/kg	5.3	5.4	6	6.1 U	5.9 U	7.5
7440-50-8	COPPER	mg/kg	15.4	10.9	10.7	10.0	8.3	13.2
7439-89-6	IRON, TOTAL	mg/kg	14000	13200	18600	15500	14000	19200
7439-92-1	LEAD	mg/kg	21 UJ	21 UJ	24 UJ	36.4 J	13.0 J	27.7
7439-95-4	MAGNESIUM	mg/kg	2980	2900	3960	3710 J	2880 J	4140
7439-96-5	MANGANESE	mg/kg	261 J	269 J	336 J	306	319	369 J
7439-97-6	MERCURY	mg/kg	0.09	0.05	0.03	0.04 U	0.04 U	0.04
7440-02-0	NICKEL	mg/kg	11.1	12.1	14.4	12.3	11.2	16
7440-09-7	POTASSIUM	mg/kg	740	921	805	1160	1100	1200
7782-49-2	SELENIUM	mg/kg	1.1 U	1.1 U	1.2 U	0.6 U	0.6 U	1.1 U
7440-22-4	SILVER	mg/kg	0.02 J	0.03 J	0.04 J	1.2 U	1.2 U	0.03 J
7440-23-5	SODIUM	mg/kg	148	101	92.3	118	103	83.7
7440-28-0	THALLIUM	mg/kg	0.04	0.05	0.04	3.7 UJ	3.6 UJ	0.05
7440-62-2	VANADIUM	mg/kg	7.7	9.7	10.2	11.9	10.6	12.7
7440-66-6	ZINC	mg/kg	63.2	63.3	70.4	62.3 J	63.7 J	86.9

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT FAR FIELD	DREDGE AREA	DREDGE AREA	DREDGE AREA	DREDGE AREA	DREDGE AREA
		Location ID	SD079	SD011-INV	SD011-INV	SD011-INV	SD012	SD012
		Sample Date	5/4/2006	12/12/2005	12/12/2005	12/12/2005	12/12/2005	12/12/2005
		Sample ID	02SD079AA1	01SD011UA1	01SDINV011	01SDINV-11	01SD012UA1	01SDINV012
		Depth Interval	0- .5	0- .5	0- .5	0- .5	0- .5	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	81.6		62.9	64.8		54.0
	COARSE SAND	%	8.1	0.4			3.1	
	COBBLES	%	0	0.0			0.0	
	FINE SAND	%	21.4	68.8			58.5	
	GRAVEL	%	4.7	0.0			0.9	
	MEDIUM SAND	%	63.3	4.0			11.8	
	MOISTURE	%	22.9	49.8			77.5	
	TOTAL CLAY	%	2	2.4			0.6	
	TOTAL SAND	%	92.8	73.2			73.4	
	TOTAL SILT	%	0.5	24.4			25.1	
7440-44-0	TOTAL ORGANIC CARBON	mg/kg	2460		7260 J			
7429-90-5	ALUMINUM	mg/kg	8130			11800		14400 J
7440-36-0	ANTIMONY	mg/kg	0.15 J			9.1 U		10.8 UJ
7440-38-2	ARSENIC	mg/kg	2.2			7.6		4.6 J
7440-39-3	BARIUM	mg/kg	44			113		250
7440-41-7	BERYLLIUM	mg/kg	1.1 U			0.76 U		0.90 U
7440-43-9	CADMIUM	mg/kg	1.1 U			1.9		13.2
7440-70-2	CALCIUM METAL	mg/kg	7180 J			4310		6430 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	14.1 J			68.6		262 J
7440-48-4	COBALT	mg/kg	7.1			9.5		9.8
7440-50-8	COPPER	mg/kg	14.3			72.8		129 J
7439-89-6	IRON, TOTAL	mg/kg	19400			21900		23100
7439-92-1	LEAD	mg/kg	37.1			144		266 J
7439-95-4	MAGNESIUM	mg/kg	4490			4890		5640 J
7439-96-5	MANGANESE	mg/kg	407 J			400		449
7439-97-6	MERCURY	mg/kg	0.07					1.3 J
7440-02-0	NICKEL	mg/kg	14.8			20.8		27.0
7440-09-7	POTASSIUM	mg/kg	1160			1810		2090
7782-49-2	SELENIUM	mg/kg	1.1 U			1.5 U		0.93 U
7440-22-4	SILVER	mg/kg	0.04 J			1.5 U		1.8 U
7440-23-5	SODIUM	mg/kg	104			151 U		138
7440-28-0	THALLIUM	mg/kg	0.06			3.0 U		5.4 UJ
7440-62-2	VANADIUM	mg/kg	12.8			21.3		35.9
7440-66-6	ZINC	mg/kg	87.2			297 N		417 J

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	DREDGE AREA	DREDGE AREA	DREDGE AREA	DREDGE AREA	DREDGE AREA	DREDGE AREA
		Location ID	SD061	SD062	SD064	SD065	SD066	SD067
		Sample Date	5/2/2006	5/2/2006	5/2/2006	5/2/2006	5/2/2006	5/2/2006
		Sample ID	02SD061DA1	02SD062DA1	02SD064DA1	02SD065DA1	02SD066DA1	02SD067DA1
		Depth Interval	0- .5	0- .5	0- .5	0- .5	0- .5	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	74.8		72.9		77.9	73.1
	COARSE SAND	%	3.6	7.8	0.3	0.9	5.5	5.5
	COBBLES	%	0	0	0	0	0	0
	FINE SAND	%	43.5	10.7	74	61.3	31.8	33.8
	GRAVEL	%	3.7	0	0.2	0.4	17.4	9.8
	MEDIUM SAND	%	38.2	8.9	15.7	33.5	38.9	36.5
	MOISTURE	%	23.4	82.3	27.8	26.2	19.4	34.5
	TOTAL CLAY	%	2.1	16	0.1	0.1	0.5	6.7
	TOTAL SAND	%	85.3	27.4	90	95.7	76.2	75.8
	TOTAL SILT	%	8.9	56.6	9.7	3.8	5.9	7.7
7440-44-0	TOTAL ORGANIC CARBON	mg/kg	7630		6990		6320	6000
7429-90-5	ALUMINUM	mg/kg	10300	20300	9590	8320	8480	10800
7440-36-0	ANTIMONY	mg/kg	0.29 J	0.7 J	0.12 J	0.05 UJ	0.08 J	0.11 J
7440-38-2	ARSENIC	mg/kg	3.7 J	19 J	2.2 J	1.6 J	1.9 J	2.9
7440-39-3	BARIUM	mg/kg	117	262	60.4	43.9	49.3	67.6
7440-41-7	BERYLLIUM	mg/kg	1.1 U	1 U	1.1 U	1 U	1.1 U	1.2 U
7440-43-9	CADMIUM	mg/kg	1.9 J	5.3	1.1 UJ	1 UJ	1.1 UJ	1.2 UJ
7440-70-2	CALCIUM METAL	mg/kg	3610	9930	3170	6580	3610	5340
7440-47-3	CHROMIUM, TOTAL	mg/kg	64.2	185	20.3	16.5	25.6	33.9
7440-48-4	COBALT	mg/kg	7.1	12.8	7.3	6.5	6	7.2
7440-50-8	COPPER	mg/kg	38.8 J	233	15.6 J	11.5 J	17.9 J	23.6 J
7439-89-6	IRON, TOTAL	mg/kg	19200	34700	19300	17800	17600	19300
7439-92-1	LEAD	mg/kg	79.9	263	23 UJ	21 UJ	37.7 J	40.7 J
7439-95-4	MAGNESIUM	mg/kg	4250	9040	4060	3740	3490	3930
7439-96-5	MANGANESE	mg/kg	315	670	356	295	238	322
7439-97-6	MERCURY	mg/kg	0.29	3.17	0.71	0.05	0.13	0.18
7440-02-0	NICKEL	mg/kg	17.5	34.8	16.1	14.5	13.5	15.5
7440-09-7	POTASSIUM	mg/kg	2060 J	3550 J	1930 J	1430 J	1700 J	2110 J
7782-49-2	SELENIUM	mg/kg	1.1 UJ	1.4 J	1.1 UJ	1 UJ	1.1 UJ	1.2 U
7440-22-4	SILVER	mg/kg	0.34	2.23	0.16	0.07	0.25	0.31
7440-23-5	SODIUM	mg/kg	103	165	96.8	89.4	99.9	125
7440-28-0	THALLIUM	mg/kg	0.06	0.27	0.06	0.04	0.04	0.06
7440-62-2	VANADIUM	mg/kg	21.7	37.3	18.6	14.8	18.3	18.5
7440-66-6	ZINC	mg/kg	164 J	537	90.3 J	79.7 J	87.5 J	119 J

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	DREDGE AREA	DREDGE AREA	DREDGE AREA	DREDGE AREA	DREDGE AREA	DREDGE AREA
		Location ID	SD068	SD069	SD069	SD069	SD069	SD070
		Sample Date	5/2/2006	12/2/2005	12/2/2005	5/2/2006	5/2/2006	5/2/2006
		Sample ID	02SD068DA1	01SD069DB1	01SD069DC1	02SD069DA1	02SD069DA2	02SD070DA1
		Depth Interval	0- .5	2- 4	4- 6	0- .5	0- .5	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	60.4	71.2	38.4			59.7
	COARSE SAND	%	0	2.3	9.2	1		7.8
	COBBLES	%	0	0.0	0.0	0		0
	FINE SAND	%	36.7	47.3	7.2	41.7		35.1
	GRAVEL	%	0	2.9	1.0	1.7		7.1
	MEDIUM SAND	%	5.3	6.4	14.9	8.1		10.1
	MOISTURE	%	64.6	49.7	184.5	84.2		63.3
	TOTAL CLAY	%	14.4	24.2	33.8	9.4		10.5
	TOTAL SAND	%	42	56.0	31.3	50.8		53
	TOTAL SILT	%	43.6	16.9	33.9	38.1		29.4
7440-44-0	TOTAL ORGANIC CARBON	mg/kg	28100	23200				23200
7429-90-5	ALUMINUM	mg/kg	19200	9580	8220 J	13400	17500	14700
7440-36-0	ANTIMONY	mg/kg	0.84 J	8.4 J	15.6 J	0.95 J	1.2 J	0.78 J
7440-38-2	ARSENIC	mg/kg	7.2	6.2	9.7 J	5.7	5.7	7.3
7440-39-3	BARIUM	mg/kg	237	95.6	116 J	183	219	181
7440-41-7	BERYLLIUM	mg/kg	1.2 U	0.70 U	1.3 UJ	1 U	1 U	1.2 U
7440-43-9	CADMIUM	mg/kg	13.5	2.5	3.0 J	16.7	17.7	8.7
7440-70-2	CALCIUM METAL	mg/kg	8590	4860	8450 J	7400	7210	8860
7440-47-3	CHROMIUM, TOTAL	mg/kg	252	46.0	45.4 J	267	293	231
7440-48-4	COBALT	mg/kg	10.6	7.3	13.0 UJ	10	9.7	10.3
7440-50-8	COPPER	mg/kg	117 J	58.4 J	83.4 J	118 J	132 J	125 J
7439-89-6	IRON, TOTAL	mg/kg	27200	16200	14600 J	24800	25000	26100
7439-92-1	LEAD	mg/kg	229 J	130 J	146 J	236 J	239 J	243 J
7439-95-4	MAGNESIUM	mg/kg	7110	4350	4550 J	6030	6120	5960
7439-96-5	MANGANESE	mg/kg	545	236 J	229 J	449	472	498
7439-97-6	MERCURY	mg/kg	1.13	0.65	1.4 J	1.17	1.33	1.21
7440-02-0	NICKEL	mg/kg	31	16.6	15.7 J	27.4	27.2	27.3
7440-09-7	POTASSIUM	mg/kg	4020 J	1470	1690 J	1490 J	3200 J	2010 J
7782-49-2	SELENIUM	mg/kg	1.2 U	0.67 U	1.3 UJ	1 U	1	1.2 U
7440-22-4	SILVER	mg/kg	1.35	1.4 U	2.6 UJ	1.3	1.14	1.46
7440-23-5	SODIUM	mg/kg	161	154	513 J	101	147	135
7440-28-0	THALLIUM	mg/kg	0.15	1.4 U	2.6 UJ	0.13	0.15	0.15
7440-62-2	VANADIUM	mg/kg	44.1	16.9	17.8 J	32.4	41.8	32.1
7440-66-6	ZINC	mg/kg	372 J	209	266 J	384 J	382 J	426 J

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	DREDGE AREA	DREDGE AREA	DREDGE AREA	DREDGE AREA	DREDGE AREA	OTHER
		Location ID	SD071	SD072	SD072	SD073	SD074	SD063
		Sample Date	5/2/2006	5/2/2006	5/2/2006	5/2/2006	5/2/2006	5/3/2006
		Sample ID	02SD071DA1	02SD072DA1	02SD072DA2	02SD073DA1	02SD074DA1	02SD063DA1
		Depth Interval	0- .5	0- .5	0- .5	0- .5	0- .5	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	61.3			71.5	79.7	
	COARSE SAND	%	1.3	2.3		2.8	13.5	
	COBBLES	%	0	0		0	0	
	FINE SAND	%	52.5	42.4		43.8	19	
	GRAVEL	%	0.2	2		4.2	18.3	
	MEDIUM SAND	%	11.3	34.3		35.1	43.9	
	MOISTURE	%	56.5	47		32	21.7	
	TOTAL CLAY	%	7.1	0.9		4.8	2.1	
	TOTAL SAND	%	65.1	79		81.7	76.4	
	TOTAL SILT	%	27.6	18.1		9.3	3.2	
7440-44-0	TOTAL ORGANIC CARBON	mg/kg	14600			11000	21200	
7429-90-5	ALUMINUM	mg/kg	15300	12600	13200	10400	6800	7200
7440-36-0	ANTIMONY	mg/kg	0.63 J	0.59 J	0.53 J	0.44 J	0.09 J	0.17 J
7440-38-2	ARSENIC	mg/kg	5.2	3.7 J	3.6	4.1	2.6	2.7
7440-39-3	BARIUM	mg/kg	170	128	146	129	49.6	50.8
7440-41-7	BERYLLIUM	mg/kg	1 U	1.1 U	1.1 U	1.2 U	1 U	1 U
7440-43-9	CADMIUM	mg/kg	8.7	6.6	7.2	7.1	1 UJ	1 U
7440-70-2	CALCIUM METAL	mg/kg	5930	5170	4220	4210	2630	3800
7440-47-3	CHROMIUM, TOTAL	mg/kg	192	124	140	120	23.9	19.9
7440-48-4	COBALT	mg/kg	9.7	7.3	7.5	7.4	4.8	9.7
7440-50-8	COPPER	mg/kg	93.3 J	51.3 J	60.7 J	64.1 J	28.9 J	55.9
7439-89-6	IRON, TOTAL	mg/kg	24000	21100	21300	18000	13400	22000
7439-92-1	LEAD	mg/kg	185 J	118 J	135 J	137 J	39.2 J	40.9
7439-95-4	MAGNESIUM	mg/kg	5640	4550	4620	4060	2850	3690
7439-96-5	MANGANESE	mg/kg	522	388	402	313	199	297
7439-97-6	MERCURY	mg/kg	0.71	0.46	0.53	0.54	0.09	0.06
7440-02-0	NICKEL	mg/kg	26.5	21	20.9	20.6	11.6	34.3
7440-09-7	POTASSIUM	mg/kg	2700 J	2230	2450	1860 J	1270 J	767 J
7782-49-2	SELENIUM	mg/kg	0.9 U	1.1 UJ	1.1 U	1.2 U	1.1 U	1.1 U
7440-22-4	SILVER	mg/kg	0.96	0.57	0.64	0.85	0.28	0.17
7440-23-5	SODIUM	mg/kg	127	127	119	111	63.7	105
7440-28-0	THALLIUM	mg/kg	0.14	0.07	0.09	0.09	0.05	0.05
7440-62-2	VANADIUM	mg/kg	33.3	28.7	28.8	23.2	12.5	11.6
7440-66-6	ZINC	mg/kg	289 J	184 J	214 J	217 J	93.7 J	198

Appendix D-1
Sediment Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	DOWNSTREAM	DOWNSTREAM
		Location ID	SD075	SD076
		Sample Date	5/5/2006	5/5/2006
		Sample ID	02SD075DA1	02SD076DA1
		Depth Interval	0- .5	0- .5
		Depth Interval Unit	FT	FT
CAS No	Chemical Name	Unit		
	SOLIDS, TOTAL (%)	%	74.8	
	COARSE SAND	%	0.3	0.6
	COBBLES	%	0	0
	FINE SAND	%	38.2	31.7
	GRAVEL	%	0.9	0.7
	MEDIUM SAND	%	56.4	41.2
	MOISTURE	%	27.3	57.1
	TOTAL CLAY	%	2.7	8.8
	TOTAL SAND	%	94.9	73.5
	TOTAL SILT	%	1.5	17
7440-44-0	TOTAL ORGANIC CARBON	mg/kg	1660	
7429-90-5	ALUMINUM	mg/kg	6540	9590
7440-36-0	ANTIMONY	mg/kg	0.09 J	0.32 J
7440-38-2	ARSENIC	mg/kg	1.2	7
7440-39-3	BARIUM	mg/kg	31.8	109
7440-41-7	BERYLLIUM	mg/kg	1.1 U	1 U
7440-43-9	CADMIUM	mg/kg	1.1 U	2.1
7440-70-2	CALCIUM METAL	mg/kg	1920	3930
7440-47-3	CHROMIUM, TOTAL	mg/kg	13.8	128
7440-48-4	COBALT	mg/kg	6.2	8.6
7440-50-8	COPPER	mg/kg	12.1 J	94.2 J
7439-89-6	IRON, TOTAL	mg/kg	14900	20500
7439-92-1	LEAD	mg/kg	22 UJ	20 J
7439-95-4	MAGNESIUM	mg/kg	3300	4200
7439-96-5	MANGANESE	mg/kg	275	325
7439-97-6	MERCURY	mg/kg	0.05	1.22
7440-02-0	NICKEL	mg/kg	13.1	20.7
7440-09-7	POTASSIUM	mg/kg	911 J	1010 J
7782-49-2	SELENIUM	mg/kg	1.1 U	1 U
7440-22-4	SILVER	mg/kg	0.05	0.77
7440-23-5	SODIUM	mg/kg	58.8	98.1
7440-28-0	THALLIUM	mg/kg	0.05	0.21
7440-62-2	VANADIUM	mg/kg	10	18.9
7440-66-6	ZINC	mg/kg	74.7	333

Appendix D-2
Sediment Analytical Data
VOC Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	UPSTREAM	UPSTREAM	ADJACENT FAR FIELD	ADJACENT FAR FIELD	ADJACENT FAR FIELD	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD019	SD011	SD055	SD041	SD079	SD032	SD033	SD034
		Sample Date	12/12/2005	5/5/2006	12/2/2005	12/2/2005	5/4/2006	5/4/2006	5/4/2006	5/4/2006
		Sample ID	01SD019UA1	02SD011UA1	01SD055AB1	01SD041AB1	02SD079AA1	02SD032UA1	02SD033UA1	02SD034UA1
		Depth Interval	0- .5	0- .5	2- 4	2- 4	0- .5	0- .5	0- .5	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit								
71-55-6	1,1,1-TRICHLOROETHANE (TCA)	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
75-34-3	1,1-DICHLOROETHANE	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
75-35-4	1,1-DICHLOROETHENE	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ug/kg	8.3 U	3.6 UJ	28 UJ	53 UJ	4.5 U	570 U	5.6 U	5.9 U
106-93-4	1,2-DIBROMOETHANE (EDB)	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
95-50-1	1,2-DICHLOROBENZENE	ug/kg	8.3 U	3.6 UJ	14 UJ	9.0 J	4.5 U	41 J	0.56 J	0.82 J
107-06-2	1,2-DICHLOROETHANE	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
78-87-5	1,2-DICHLOROPROPANE	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
541-73-1	1,3-DICHLOROBENZENE	ug/kg	8.3 U	3.6 UJ	14 UJ	11 J	4.5 U	570 U	5.6 U	1.1 J
106-46-7	1,4-DICHLOROBENZENE	ug/kg	1.0 J	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	0.69 J	2.6 J
78-93-3	2-BUTANONE (MEK)	ug/kg	17 U	12 J	70 UJ	130 UJ	8.9 U	1100 U	11	12
591-78-6	2-HEXANONE	ug/kg	17 U	7.2 UJ	70 UJ	130 UJ	8.9 U	1100 U	11 U	12 U
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ug/kg	17 U	7.2 UJ	70 UJ	130 UJ	8.9 U	1100 U	11 U	12 U
67-64-1	ACETONE	ug/kg	33 U	14 UJ	140 UJ	270 UJ	18 UJ	2300 U	41 J	45 J
71-43-2	BENZENE	ug/kg	1.1 J	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
75-27-4	BROMODICHLOROMETHANE	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
75-25-2	BROMOFORM	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
74-83-9	BROMOMETHANE	ug/kg	8.3 U	3.6 UJ	28 UJ	53 UJ	4.5 UJ	570 UJ	5.6 UJ	5.9 UJ
75-15-0	CARBON DISULFIDE	ug/kg	1.4 J	1.1 J	14 UJ	27 UJ	8.9 U	1100 U	1.2 J	1.1 J
56-23-5	CARBON TETRACHLORIDE	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
108-90-7	CHLOROBENZENE	ug/kg	1.00 J	3.6 UJ	14 UJ	12 J	4.5 U	1700	12	21
75-00-3	CHLOROETHANE	ug/kg	17 U	7.2 UJ	28 UJ	53 UJ	8.9 U	1100 U	11 U	12 U
67-66-3	CHLOROFORM	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
74-87-3	CHLOROMETHANE	ug/kg	8.3 U	3.6 UJ	28 UJ	53 UJ	4.5 U	570 U	5.6 U	5.9 U
156-59-2	CIS-1,2-DICHLOROETHENE	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
110-82-7	CYCLOHEXANE	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 UJ	570 U	5.6 UJ	5.9 UJ
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
100-41-4	ETHYLBENZENE	ug/kg	8.3 U	0.32 J	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
98-82-8	ISOPROPYLBENZENE	ug/kg	1.2 J	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
179601-23-1	M,P-XYLENES	ug/kg	6.4 J	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
79-20-9	METHYL ACETATE	ug/kg	120	7.2 UJ	140 UJ	270 UJ	8.9 UJ	240 J	11 UJ	12 UJ
1634-04-4	METHYL TERT-BUTYL ETHER	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
108-87-2	METHYLCYLOHEXANE	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	0.94 J
75-09-2	METHYLENE CHLORIDE	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
95-47-6	O-XYLENE	ug/kg	2.4 J	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	0.63 J
100-42-5	STYRENE	ug/kg	1.5 J	1.4 J	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
127-18-4	TETRACHLOROETHENE (PCE)	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
108-88-3	TOLUENE	ug/kg	12	3.7 J	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
79-01-6	TRICHLOROETHYLENE	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 UJ	5.6 U	5.9 U
75-01-4	VINYL CHLORIDE	ug/kg	8.3 U	3.6 UJ	14 UJ	27 UJ	4.5 U	570 U	5.6 U	5.9 U

Appendix D-2
Sediment Analytical Data
VOC Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD035	SD043	SD056	SD056	SD057	SD058	SD077	SD077
		Sample Date	5/4/2006	5/3/2006	5/3/2006	5/3/2006	12/12/2005	5/4/2006	12/1/2005	12/1/2005
		Sample ID	02SD035UA1	02SD043AA1	02SD056AA1	02SD056AA1SM	01SD057AA1	02SD058AA1	01SD077AB1	01SD077AC1
		Depth Interval	0- .5	0- .5	0- .5	0- 2	0- .5	0- .5	2- 4	4- 6
		Depth Interval Unit	FT	FT	FT	CM	FT	FT	FT	FT
CAS No	Chemical Name	Unit								
71-55-6	1,1,1-TRICHLOROETHANE (TCA)	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	57 UJ	54 UJ
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	57 UJ	54 UJ
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	57 UJ	54 UJ
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	57 UJ	54 UJ
75-34-3	1,1-DICHLOROETHANE	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	57 UJ	54 UJ
75-35-4	1,1-DICHLOROETHENE	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	57 UJ	54 UJ
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	750 UJ	6.5 U	5.4 U		11 UJ	6.4 U	180 J	54 UJ
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	110 UJ	110 UJ
106-93-4	1,2-DIBROMOETHANE (EDB)	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	57 UJ	54 UJ
95-50-1	1,2-DICHLOROBENZENE	ug/kg	750 UJ	20	3.7 J		13 J	0.49 J	370 J	170 J
107-06-2	1,2-DICHLOROETHANE	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	460 J	54 UJ
78-87-5	1,2-DICHLOROPROPANE	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	57 UJ	54 UJ
541-73-1	1,3-DICHLOROBENZENE	ug/kg	750 UJ	3.3 J	5.4 U		1.3 J	6.4 U	93 J	26 J
106-46-7	1,4-DICHLOROBENZENE	ug/kg	49 J	3.1 J	5.4 U		1.7 J	6.4 U	500 J	200 J
78-93-3	2-BUTANONE (MEK)	ug/kg	1500 UJ	7.9 J	5.7 J		21 U	13	280 UJ	270 UJ
591-78-6	2-HEXANONE	ug/kg	1500 UJ	13 U	11 U		21 UJ	13 U	280 UJ	270 UJ
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ug/kg	1500 UJ	13 U	11 U		21 UJ	13 U	280 UJ	270 UJ
67-64-1	ACETONE	ug/kg	3000 UJ	29 J	20 J		42 U	40 J	570 UJ	540 UJ
71-43-2	BENZENE	ug/kg	750 UJ	8.8 J	5.4 U		0.66 J	6.4 U	3800 J	300 J
75-27-4	BROMODICHLOROMETHANE	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	57 UJ	54 UJ
75-25-2	BROMOFORM	ug/kg	750 UJ	6.5 U	5.4 U		11 UJ	6.4 U	57 UJ	54 UJ
74-83-9	BROMOMETHANE	ug/kg	750 UJ	6.5 U	5.4 U		11 UJ	6.4 UJ	110 UJ	110 UJ
75-15-0	CARBON DISULFIDE	ug/kg	1500 UJ	0.70 J	0.39 J		0.83 J	0.97 J	18 J	54 UJ
56-23-5	CARBON TETRACHLORIDE	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	57 UJ	54 UJ
108-90-7	CHLOROBENZENE	ug/kg	1200 J	180	10		19	1.6 J	34000 J	20000 J
75-00-3	CHLOROETHANE	ug/kg	1500 UJ	13 U	11 U		21 UJ	13 U	110 UJ	110 UJ
67-66-3	CHLOROFORM	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	57 UJ	54 UJ
74-87-3	CHLOROMETHANE	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	110 UJ	110 UJ
156-59-2	CIS-1,2-DICHLOROETHENE	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	57 UJ	54 UJ
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	57 UJ	54 UJ
110-82-7	CYCLOHEXANE	ug/kg	750 UJ	0.44 J	5.4 U		1.7 J	6.4 UJ	160 J	54 UJ
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	57 UJ	54 UJ
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	57 UJ	54 UJ
100-41-4	ETHYLBENZENE	ug/kg	750 UJ	0.55 J	5.4 U		1.6 J	6.4 U	120 J	20 J
98-82-8	ISOPROPYLBENZENE	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	20 J	54 UJ
179601-23-1	M,P-XYLENES	ug/kg	750 UJ	1.4 J	5.4 U		2.6 J	6.4 U	510 J	97 J
79-20-9	METHYL ACETATE	ug/kg	340 J	13 U	11 U		50 J	13 UJ	570 UJ	88 J
1634-04-4	METHYL TERT-BUTYL ETHER	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	57 UJ	54 UJ
108-87-2	METHYLCYLOHEXANE	ug/kg	750 UJ	0.62 J	5.4 U		11 U	6.4 U	81 J	110 J
75-09-2	METHYLENE CHLORIDE	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	57 UJ	54 UJ
95-47-6	O-XYLENE	ug/kg	750 UJ	0.70 J	5.4 U		0.97 J	6.4 U	200 J	55 J
100-42-5	STYRENE	ug/kg	750 UJ	6.5 U	5.4 U		3.8 J	6.4 U	57 UJ	54 UJ
127-18-4	TETRACHLOROETHENE (PCE)	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	57 UJ	54 UJ
108-88-3	TOLUENE	ug/kg	750 UJ	6.5 U	5.4 U		7.1 J	46	57 UJ	54 UJ
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	57 UJ	54 UJ
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	57 UJ	54 UJ
79-01-6	TRICHLOROETHYLENE	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	57 UJ	54 UJ
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	57 UJ	54 UJ
75-01-4	VINYL CHLORIDE	ug/kg	750 UJ	6.5 U	5.4 U		11 U	6.4 U	57 UJ	54 UJ

Appendix D-2
Sediment Analytical Data
VOC Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD077	SD077	SD078	SD080	SD081	SD081	SD081	SD081
		Sample Date	5/4/2006	5/4/2006	5/4/2006	5/4/2006	12/1/2005	12/1/2005	12/12/2005	12/12/2005
		Sample ID	02SD077AA1	02SD077AA2	02SD078AA1	02SD080AA1	01SD081AB1	01SD081AC1	01SD081AA1	01SD081AA2
		Depth Interval	0- .5	0- .5	0- .5	0- .5	2- 4	4- 6	0- .5	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit								
71-55-6	1,1,1-TRICHLOROETHANE (TCA)	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	5.2 UJ	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
75-34-3	1,1-DICHLOROETHANE	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
75-35-4	1,1-DICHLOROETHENE	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	5.2 UJ	5 U	79 J	2.6 J	290 J	79 UJ	2.6 J	3.1 J
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ug/kg	5.2 UJ	5 U	580 U	6.4 U	210 UJ	160 UJ	7.8 U	12 UJ
106-93-4	1,2-DIBROMOETHANE (EDB)	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
95-50-1	1,2-DICHLOROBENZENE	ug/kg	5.2 J	2.1 J	95 J	82	230 J	940 J	73	92 J
107-06-2	1,2-DICHLOROETHANE	ug/kg	5.2 U	5 U	580 U	2 J	110 UJ	79 UJ	7.8 U	12 UJ
78-87-5	1,2-DICHLOROPROPANE	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
541-73-1	1,3-DICHLOROBENZENE	ug/kg	0.77 J	5 U	50 J	8.6	620 J	160 J	8.2 J	6.9 J
106-46-7	1,4-DICHLOROBENZENE	ug/kg	3.3 J	1.1 J	170 J	52	1200 J	850 J	17	7.8 J
78-93-3	2-BUTANONE (MEK)	ug/kg	9 J	14	1200 U	10 J	530 UJ	140 J	16 U	24 UJ
591-78-6	2-HEXANONE	ug/kg	10 U	10 U	1200 U	13 U	530 UJ	390 UJ	16 U	24 UJ
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ug/kg	10 U	10 U	1200 U	13 U	530 UJ	390 UJ	16 U	24 UJ
67-64-1	ACETONE	ug/kg	31 J	49 J	2300 U	34 J	1100 UJ	130 J	31 U	26 J
71-43-2	BENZENE	ug/kg	0.69 J	0.45 J	450 J	30	18000 J	2800 J	15	5.7 J
75-27-4	BROMODICHLOROMETHANE	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
75-25-2	BROMOFORM	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
74-83-9	BROMOMETHANE	ug/kg	5.2 UJ	5 UJ	580 UJ	6.4 UJ	210 UJ	160 UJ	7.8 U	12 UJ
75-15-0	CARBON DISULFIDE	ug/kg	1 J	0.94 J	1200 U	0.74 J	110 UJ	33 J	2.2 J	2.6 J
56-23-5	CARBON TETRACHLORIDE	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
108-90-7	CHLOROBENZENE	ug/kg	3100 DJ	140 J	9400	3200 D	160000 J	85000 J	300	230 J
75-00-3	CHLOROETHANE	ug/kg	10 U	10 U	1200 U	13 U	210 UJ	160 UJ	16 U	24 UJ
67-66-3	CHLOROFORM	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
74-87-3	CHLOROMETHANE	ug/kg	5.2 U	5 U	580 U	6.4 U	210 UJ	160 UJ	7.8 U	4.5 J
156-59-2	CIS-1,2-DICHLOROETHENE	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
110-82-7	CYCLOHEXANE	ug/kg	8.5 J	6.2 J	580 U	1.8 J	110 UJ	29 J	3.0 J	1.9 J
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
100-41-4	ETHYLBENZENE	ug/kg	0.42 J	5 U	580 U	3 J	370 J	110 J	4.8 J	2.6 J
98-82-8	ISOPROPYLBENZENE	ug/kg	0.91 J	5 U	580 U	1.7 J	110 UJ	47 J	0.78 J	12 UJ
179601-23-1	M,P-XYLENES	ug/kg	1.3 J	5 U	47 J	4.4 J	1200 J	590 J	6.3 J	3.8 J
79-20-9	METHYL ACETATE	ug/kg	10 UJ	10 UJ	230 J	13 UJ	250 J	200 J	130	130 J
1634-04-4	METHYL TERT-BUTYL ETHER	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
108-87-2	METHYLCYLOHEXANE	ug/kg	0.73 J	0.65 J	580 U	4 J	160 J	370 J	7.8 U	12 UJ
75-09-2	METHYLENE CHLORIDE	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
95-47-6	O-XYLENE	ug/kg	2.1 J	0.97 J	54 J	4 J	350 J	360 J	2.2 J	1.4 J
100-42-5	STYRENE	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
127-18-4	TETRACHLOROETHENE (PCE)	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
108-88-3	TOLUENE	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	140 J	12	7.1 J
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
79-01-6	TRICHLOROETHYLENE	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	5.2 U	5 U	580 UJ	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ
75-01-4	VINYL CHLORIDE	ug/kg	5.2 U	5 U	580 U	6.4 U	110 UJ	79 UJ	7.8 U	12 UJ

Appendix D-2
Sediment Analytical Data
VOC Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD082	SD082	SD083	SD084	SD084	SD085	SD085	SD085
		Sample Date	12/12/2005	12/12/2005	5/4/2006	5/4/2006	5/4/2006	12/1/2005	12/1/2005	12/7/2005
		Sample ID	01SD082AA1	01SD082AA2	02SD083AA1	02SD084AA1	02SD084AA2	01SD085AB1	01SD085AC1	01SD085AA1
		Depth Interval	0- .5	0- .5	0- .5	0- .5	0- .5	2- 4	4- 6	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit								
71-55-6	1,1,1-TRICHLOROETHANE (TCA)	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	5.3 UJ	6.0 UJ	4.9 UJ	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
75-34-3	1,1-DICHLOROETHANE	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
75-35-4	1,1-DICHLOROETHENE	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	5.3 UJ	6.0 UJ	4.9 UJ	6.8 UJ	6.5 U	200000 J	24000 J	1700 UJ
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ug/kg	5.3 UJ	6.0 UJ	4.9 UJ	6.8 UJ	6.5 U	2400 UJ	1900 UJ	1700 UJ
106-93-4	1,2-DIBROMOETHANE (EDB)	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
95-50-1	1,2-DICHLOROBENZENE	ug/kg	39 J	43 J	18 J	8 J	6.4 J	290000 J	72000 J	250 J
107-06-2	1,2-DICHLOROETHANE	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
78-87-5	1,2-DICHLOROPROPANE	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
541-73-1	1,3-DICHLOROBENZENE	ug/kg	8.8 J	7.6 J	1.1 J	6.8 UJ	6.5 U	49000 J	9800 J	1700 UJ
106-46-7	1,4-DICHLOROBENZENE	ug/kg	29 J	38 J	1.6 J	6.8 UJ	6.5 U	37000 J	38000 J	220 J
78-93-3	2-BUTANONE (MEK)	ug/kg	32 J	58 J	9.4 J	11 J	11 J	6000 UJ	4700 UJ	3400 UJ
591-78-6	2-HEXANONE	ug/kg	11 UJ	12 UJ	9.7 U	14 UJ	13 U	6000 UJ	4700 UJ	3400 UJ
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ug/kg	11 UJ	12 UJ	9.7 U	14 UJ	13 U	6000 UJ	4700 UJ	3400 UJ
67-64-1	ACETONE	ug/kg	120 J	230 J	37 J	46 J	41 J	12000 UJ	9300 UJ	740 J
71-43-2	BENZENE	ug/kg	97 J	150 J	4.9 U	6.8 UJ	6.5 U	37000 J	19000 J	13000 J
75-27-4	BROMODICHLOROMETHANE	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
75-25-2	BROMOFORM	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
74-83-9	BROMOMETHANE	ug/kg	5.3 UJ	6.0 UJ	4.9 UJ	6.8 UJ	6.5 UJ	2400 UJ	1900 UJ	1700 UJ
75-15-0	CARBON DISULFIDE	ug/kg	7.1 J	10 J	0.77 J	0.59 J	0.56 J	1200 UJ	930 UJ	3400 UJ
56-23-5	CARBON TETRACHLORIDE	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
108-90-7	CHLOROBENZENE	ug/kg	11000 J	16000 J	32	21 J	11	1600000 J	1100000 J	19000 J
75-00-3	CHLOROETHANE	ug/kg	11 UJ	12 UJ	9.7 U	14 UJ	13 U	2400 UJ	1900 UJ	3400 UJ
67-66-3	CHLOROFORM	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
74-87-3	CHLOROMETHANE	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	2400 UJ	1900 UJ	1700 UJ
156-59-2	CIS-1,2-DICHLOROETHENE	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
110-82-7	CYCLOHEXANE	ug/kg	7.5 J	16 J	4.9 UJ	6.8 UJ	6.5 UJ	1200 UJ	930 UJ	1700 UJ
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
100-41-4	ETHYLBENZENE	ug/kg	18 J	17 J	4.9 U	6.8 UJ	6.5 U	4500 J	4800 J	1700 UJ
98-82-8	ISOPROPYLBENZENE	ug/kg	7.3 J	7.1 J	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
179601-23-1	M,P-XYLENES	ug/kg	14 J	30 J	4.9 U	6.8 UJ	6.5 U	11000 J	8200 J	1700 UJ
79-20-9	METHYL ACETATE	ug/kg	11 UJ	12 UJ	9.7 UJ	14 UJ	1.4 J	12000 UJ	9300 UJ	590 J
1634-04-4	METHYL TERT-BUTYL ETHER	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
108-87-2	METHYLCYLOHEXANE	ug/kg	68 J	210 J	4.9 U	6.8 UJ	6.5 U	390 J	930 UJ	240 J
75-09-2	METHYLENE CHLORIDE	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
95-47-6	O-XYLENE	ug/kg	97 J	100 J	4.9 U	6.8 UJ	6.5 U	2700 J	2200 J	1700 UJ
100-42-5	STYRENE	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
127-18-4	TETRACHLOROETHENE (PCE)	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
108-88-3	TOLUENE	ug/kg	4.4 J	7.8 J	4.9 U	6.8 UJ	6.5 U	20000 J	6000 J	1700 UJ
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
79-01-6	TRICHLOROETHYLENE	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	0.67 J	1200 UJ	930 UJ	1700 UJ
75-01-4	VINYL CHLORIDE	ug/kg	5.3 UJ	6.0 UJ	4.9 U	6.8 UJ	6.5 U	1200 UJ	930 UJ	1700 UJ

Appendix D-2
Sediment Analytical Data
VOC Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD086	SD087	SD087	SD087	SD088	SD089	SD089	SD089
		Sample Date	12/7/2005	12/1/2005	12/1/2005	12/7/2005	12/7/2005	12/1/2005	12/1/2005	12/7/2005
		Sample ID	01SD086AA1	01SD087AB1	01SD087AC1	01SD087AA1	01SD088AA1	01SD089AB1	01SD089AC1	01SD089AA1
		Depth Interval	0- .5	2- 4	4- 6	0- .5	0- .5	2- 4	4- 6	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit								
71-55-6	1,1,1-TRICHLOROETHANE (TCA)	ug/kg	9.4 U	2000 UJ	1800 UJ	15000 UJ	980 U	5800 UJ	1400 UJ	8.6 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	9.4 U	2000 UJ	1800 UJ	15000 UJ	980 UJ	5800 UJ	1400 UJ	8.6 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	9.4 U	2000 UJ	1800 UJ	15000 UJ	980 U	5800 UJ	1400 UJ	8.6 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	9.4 U	2000 UJ	1800 UJ	15000 UJ	980 U	5800 UJ	1400 UJ	8.6 U
75-34-3	1,1-DICHLOROETHANE	ug/kg	9.4 U	2000 UJ	1800 UJ	15000 UJ	980 UJ	5800 UJ	1400 UJ	8.6 U
75-35-4	1,1-DICHLOROETHENE	ug/kg	9.4 U	2000 UJ	1800 UJ	15000 UJ	980 U	5800 UJ	1400 UJ	8.6 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	11	210000 J	850000 J	5000 J	980 U	48000 J	390000 J	4.6 J
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ug/kg	9.4 U	4000 UJ	3700 UJ	15000 UJ	980 U	12000 UJ	2800 UJ	8.6 U
106-93-4	1,2-DIBROMOETHANE (EDB)	ug/kg	9.4 U	2000 UJ	1800 UJ	15000 UJ	980 U	5800 UJ	1400 U	8.6 U
95-50-1	1,2-DICHLOROBENZENE	ug/kg	180	1900000 J	32000000 J	75000 J	4900	460000 J	590000 J	60
107-06-2	1,2-DICHLOROETHANE	ug/kg	9.4 U	290000 J	62000 J	15000 UJ	980 U	19000 J	8900 J	8.6 U
78-87-5	1,2-DICHLOROPROPANE	ug/kg	9.4 U	3300 J	830 J	15000 UJ	980 U	5800 UJ	1400 UJ	8.6 U
541-73-1	1,3-DICHLOROBENZENE	ug/kg	12	42000	470000 J	9800 J	310 J	15000 J	11000 J	3.8 J
106-46-7	1,4-DICHLOROBENZENE	ug/kg	14	83000	4000000 J	15000 J	440 J	31000 J	80000 J	3.8 J
78-93-3	2-BUTANONE (MEK)	ug/kg	19 U	10000 UJ	9200 UJ	30000 UJ	2000 U	29000 UJ	6900 UJ	2.2 J
591-78-6	2-HEXANONE	ug/kg	19 U	10000 UJ	9200 UJ	30000 UJ	2000 U	29000 UJ	6900 UJ	17 U
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ug/kg	19 U	1800 J	9200 UJ	30000 UJ	2000 U	29000 UJ	6900 UJ	17 U
67-64-1	ACETONE	ug/kg	25 J	20000 UJ	18000 UJ	60000 UJ	3900 U	58000 UJ	14000 UJ	11 J
71-43-2	BENZENE	ug/kg	2.5 J	880000 J	480000 J	7300 J	27000	110000 J	160000 J	8.6 U
75-27-4	BROMODICHLOROMETHANE	ug/kg	9.4 U	2000 UJ	1800 UJ	15000 UJ	980 U	5800 UJ	1400 UJ	8.6 U
75-25-2	BROMOFORM	ug/kg	9.4 U	2000 UJ	1800 UJ	15000 UJ	980 U	5800 UJ	1400 UJ	8.6 U
74-83-9	BROMOMETHANE	ug/kg	9.4 U	4000 UJ	3700 UJ	15000 UJ	980 U	12000 UJ	2800 UJ	8.6 U
75-15-0	CARBON DISULFIDE	ug/kg	0.79 J	2000 UJ	1800 UJ	30000 UJ	2000 U	5800 UJ	1400 UJ	0.69 J
56-23-5	CARBON TETRACHLORIDE	ug/kg	9.4 U	2000 UJ	1800 UJ	15000 UJ	980 U	5800 UJ	1400 UJ	8.6 U
108-90-7	CHLOROBENZENE	ug/kg	100	11000000 J	2700000	450000 J	33000	3600000 J	5000000 J	53
75-00-3	CHLOROETHANE	ug/kg	19 U	4000 UJ	3700 UJ	30000 UJ	2000 U	12000 UJ	2800 UJ	17 U
67-66-3	CHLOROFORM	ug/kg	9.4 U	2000 UJ	1800 UJ	15000 UJ	980 U	5800 UJ	1400 UJ	8.6 U
74-87-3	CHLOROMETHANE	ug/kg	9.4 U	4000 UJ	3700 UJ	15000 UJ	980 U	12000 UJ	2800 UJ	8.6 U
156-59-2	CIS-1,2-DICHLOROETHENE	ug/kg	9.4 U	2000 UJ	1800 UJ	15000 UJ	980 U	5800 UJ	1400 UJ	8.6 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	9.4 U	2000 UJ	1800 UJ	15000 UJ	980 U	5800 UJ	1400 UJ	8.6 U
110-82-7	CYCLOHEXANE	ug/kg	1.0 J	770 J	750 J	15000 UJ	980 U	5800 UJ	980 J	8.6 U
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	9.4 U	2000 UJ	1800 UJ	15000 UJ	980 U	5800 UJ	1400 UJ	8.6 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	9.4 U	2000 UJ	1800 UJ	15000 UJ	980 U	5800 UJ	1400 UJ	8.6 U
100-41-4	ETHYLBENZENE	ug/kg	0.88 J	14000 J	9800 J	1000 J	170 J	13000 J	30000 J	8.6 U
98-82-8	ISOPROPYLBENZENE	ug/kg	9.4 U	2000 UJ	730 J	15000 UJ	980 U	5800 UJ	2700 J	8.6 U
179601-23-1	M,P-XYLENES	ug/kg	1.8 J	58000 J	42000 J	4000 J	380 J	44000 J	160000 J	1.8 J
79-20-9	METHYL ACETATE	ug/kg	120	20000 UJ	18000 UJ	30000 UJ	380 J	58000 UJ	14000 UJ	38
1634-04-4	METHYL TERT-BUTYL ETHER	ug/kg	9.4 U	2000 UJ	1800 UJ	15000 UJ	980 U	5800 UJ	1400 UJ	8.6 U
108-87-2	METHYLCYLOHEXANE	ug/kg	9.4 U	2900 J	4300 J	15000 UJ	150 J	5800 UJ	8600 J	8.6 U
75-09-2	METHYLENE CHLORIDE	ug/kg	26	2000 UJ	1800 UJ	15000 UJ	980 U	5800 UJ	1400 UJ	8.6 U
95-47-6	O-XYLENE	ug/kg	0.62 J	13000 J	12000 J	1300 J	150 J	11000 J	52000 J	0.70 J
100-42-5	STYRENE	ug/kg	9.4 U	2000 UJ	1800 UJ	15000 UJ	980 U	5800 UJ	1700 J	8.6 U
127-18-4	TETRACHLOROETHENE (PCE)	ug/kg	9.4 U	2100 J	2000 J	15000 UJ	980 U	5800 UJ	1400 UJ	8.6 U
108-88-3	TOLUENE	ug/kg	1.8 J	130000 J	48000 J	7300 J	140 J	110000 J	77000 J	0.93 J
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	9.4 U	2000 UJ	1800 UJ	15000 UJ	980 U	5800 UJ	1400 UJ	8.6 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	9.4 U	2000 UJ	1800 UJ	15000 UJ	980 U	5800 UJ	1400 UJ	8.6 U
79-01-6	TRICHLOROETHYLENE	ug/kg	0.60 J	9000 J	3000 J	15000 UJ	980 U	5800 UJ	1400 UJ	8.6 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	9.4 U	2000 UJ	1800 UJ	15000 UJ	980 U	5800 UJ	1400 UJ	8.6 U
75-01-4	VINYL CHLORIDE	ug/kg	9.4 U	2000 UJ	1800 UJ	15000 UJ	980 U	5800 UJ	1400 UJ	8.6 U

Appendix D-2
Sediment Analytical Data
VOC Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD090	SD091	SD091	SD091	SD091	SD092	SD093	SD094
		Sample Date	12/7/2005	12/12/2005	5/9/2006	5/9/2006	5/9/2006	5/3/2006	12/7/2005	5/3/2006
		Sample ID	01SD090AA1	01SD091AA1	02SD091AB1	02SD091AB2	02SD091AC1	02SD092AA1	01SD093AA1	02SD094AA1
		Depth Interval	0- .5	0- .5	2- 4	2- 4	4- 6	0- .5	0- .5	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit								
71-55-6	1,1,1-TRICHLOROETHANE (TCA)	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
75-34-3	1,1-DICHLOROETHANE	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
75-35-4	1,1-DICHLOROETHENE	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	97 J	4.6 U	820 U	550 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
106-93-4	1,2-DIBROMOETHANE (EDB)	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
95-50-1	1,2-DICHLOROBENZENE	ug/kg	490 J	46 J	52000 U	14000 UJ	720	12	630 J	140 J
107-06-2	1,2-DICHLOROETHANE	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
78-87-5	1,2-DICHLOROPROPANE	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
541-73-1	1,3-DICHLOROBENZENE	ug/kg	3900 U	52 J	52000 U	14000 UJ	670	0.75 J	110 J	550 U
106-46-7	1,4-DICHLOROBENZENE	ug/kg	2600 J	770 J	27000 J	27000 J	1700	7.8	360 J	120 J
78-93-3	2-BUTANONE (MEK)	ug/kg	7700 U	16 J	100000 U	27000 UJ	930 U	11 J	1600 U	1100 U
591-78-6	2-HEXANONE	ug/kg	7700 U	5.6 UJ	100000 U	27000 UJ	930 U	9.3 U	1600 U	1100 U
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ug/kg	7700 U	5.6 UJ	100000 U	27000 UJ	930 U	9.3 U	1600 U	1100 U
67-64-1	ACETONE	ug/kg	15000 U	68 J	210000 UJ	55000 UJ	1900 UJ	45	3300 U	2200 U
71-43-2	BENZENE	ug/kg	9000	560 J	51000 J	100000 J	190 J	61	1300	250 J
75-27-4	BROMODICHLOROMETHANE	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
75-25-2	BROMOFORM	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
74-83-9	BROMOMETHANE	ug/kg	3900 U	2.8 UJ	52000 UJ	14000 UJ	470 UJ	4.6 U	820 U	550 U
75-15-0	CARBON DISULFIDE	ug/kg	7700 U	3.0 J	100000 U	27000 UJ	930 U	3.7 J	1600 U	1100 U
56-23-5	CARBON TETRACHLORIDE	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
108-90-7	CHLOROBENZENE	ug/kg	120000	6400	1300000 J	490000 J	7500	2600 D	14000	13000
75-00-3	CHLOROETHANE	ug/kg	7700 U	5.6 UJ	100000 U	27000 UJ	930 U	9.3 U	1600 U	1100 U
67-66-3	CHLOROFORM	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
74-87-3	CHLOROMETHANE	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
156-59-2	CIS-1,2-DICHLOROETHENE	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
110-82-7	CYCLOHEXANE	ug/kg	3900 U	5.0 J	52000 U	14000 UJ	470 U	1.0 J	820 U	550 U
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
100-41-4	ETHYLBENZENE	ug/kg	260 J	250 J	52000 U	14000 UJ	470 U	0.54 J	820 U	550 U
98-82-8	ISOPROPYLBENZENE	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
179601-23-1	M,P-XYLENES	ug/kg	970 J	44 J	3300 J	6400 J	470 U	1.6 J	120 J	550 U
79-20-9	METHYL ACETATE	ug/kg	750 J	1.3 J	100000 U	27000 UJ	930 U	53	320 J	180 J
1634-04-4	METHYL TERT-BUTYL ETHER	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
108-87-2	METHYLCYLOHEXANE	ug/kg	3900 U	50 J	52000 U	2500 J	470 U	2.1 J	820 U	57 J
75-09-2	METHYLENE CHLORIDE	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
95-47-6	O-XYLENE	ug/kg	260 J	56 J	52000 U	1400 J	470 U	1.0 J	820 U	93 J
100-42-5	STYRENE	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
127-18-4	TETRACHLOROETHENE (PCE)	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
108-88-3	TOLUENE	ug/kg	1800 J	3.3 J	52000 U	14000 UJ	470 U	4.6 U	200 J	550 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
79-01-6	TRICHLOROETHYLENE	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U
75-01-4	VINYL CHLORIDE	ug/kg	3900 U	2.8 UJ	52000 U	14000 UJ	470 U	4.6 U	820 U	550 U

Appendix D-2
Sediment Analytical Data
VOC Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD095	SD096	SD096	SD096	SD096	SD097	SD098	SD099
		Sample Date	12/12/2005	12/2/2005	12/2/2005	12/2/2005	12/7/2005	12/7/2005	12/7/2005	12/7/2005
		Sample ID	01SD095AA1	01SD096AB1	01SD096AB2	01SD096AC1	01SD096AA1	01SD097AA1	01SD098AA1	01SD099AA1
		Depth Interval	0- .5	2- 4	2- 4	4- 6	0- .5	0- .5	0- .5	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit								
71-55-6	1,1,1-TRICHLOROETHANE (TCA)	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	0.33 J	5.8 UJ	5.8 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
75-34-3	1,1-DICHLOROETHANE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
75-35-4	1,1-DICHLOROETHENE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ug/kg	12 U	180 UJ	180 UJ	180 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
106-93-4	1,2-DIBROMOETHANE (EDB)	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
95-50-1	1,2-DICHLOROBENZENE	ug/kg	8.3 J	88 UJ	88 UJ	63 J	18	6.1 J	2.1 J	1.2 J
107-06-2	1,2-DICHLOROETHANE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
78-87-5	1,2-DICHLOROPROPANE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
541-73-1	1,3-DICHLOROBENZENE	ug/kg	12 U	88 UJ	88 UJ	110 J	1.7 J	0.61 J	5.8 UJ	5.8 U
106-46-7	1,4-DICHLOROBENZENE	ug/kg	12 U	88 UJ	88 UJ	150 J	1.7 J	0.68 J	5.8 UJ	5.8 U
78-93-3	2-BUTANONE (MEK)	ug/kg	64	440 UJ	440 UJ	450 UJ	5.0 J	11 U	12 J	12 U
591-78-6	2-HEXANONE	ug/kg	23 U	440 UJ	440 UJ	450 UJ	9.8 U	11 U	12 UJ	12 U
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ug/kg	23 U	440 UJ	440 UJ	450 UJ	9.8 U	11 U	12 UJ	12 U
67-64-1	ACETONE	ug/kg	180	880 UJ	880 UJ	890 UJ	20	3.1 J	49 J	3.3 J
71-43-2	BENZENE	ug/kg	12 U	88 UJ	88 UJ	120 J	0.64 J	0.37 J	5.8 UJ	5.8 U
75-27-4	BROMODICHLOROMETHANE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
75-25-2	BROMOFORM	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
74-83-9	BROMOMETHANE	ug/kg	12 U	180 UJ	180 UJ	180 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
75-15-0	CARBON DISULFIDE	ug/kg	3.5 J	88 UJ	88 UJ	89 UJ	0.85 J	11 U	1.1 J	0.77 J
56-23-5	CARBON TETRACHLORIDE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
108-90-7	CHLOROBENZENE	ug/kg	17	220 J	240 J	4400 J	23	8.4 J	3.7 J	1.2 J
75-00-3	CHLOROETHANE	ug/kg	23 U	180 UJ	180 UJ	180 UJ	9.8 U	11 U	12 UJ	12 U
67-66-3	CHLOROFORM	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
74-87-3	CHLOROMETHANE	ug/kg	12 U	180 UJ	180 UJ	180 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
156-59-2	CIS-1,2-DICHLOROETHENE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
110-82-7	CYCLOHEXANE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
100-41-4	ETHYLBENZENE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
98-82-8	ISOPROPYLBENZENE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
179601-23-1	M,P-XYLENES	ug/kg	12 U	88 UJ	88 UJ	61 J	4.9 U	5.5 U	5.8 UJ	5.8 U
79-20-9	METHYL ACETATE	ug/kg	23 U	880 UJ	200 J	260 J	9.8 U	11 U	12 UJ	12 U
1634-04-4	METHYL TERT-BUTYL ETHER	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
108-87-2	METHYLCYLOHEXANE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
75-09-2	METHYLENE CHLORIDE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
95-47-6	O-XYLENE	ug/kg	12 U	88 UJ	88 UJ	75 J	4.9 U	5.5 U	5.8 UJ	5.8 U
100-42-5	STYRENE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
127-18-4	TETRACHLOROETHENE (PCE)	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
108-88-3	TOLUENE	ug/kg	4.5 J	88 UJ	88 UJ	89 UJ	0.64 J	5.5 U	8.2 J	5.8 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
79-01-6	TRICHLOROETHYLENE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	0.95 J	88 UJ	88 UJ	89 UJ	0.48 J	5.5 U	0.80 J	5.8 U
75-01-4	VINYL CHLORIDE	ug/kg	12 U	88 UJ	88 UJ	89 UJ	4.9 U	5.5 U	5.8 UJ	5.8 U

Appendix D-2
Sediment Analytical Data
VOC Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD100	SD101	SD101	SD101	SD102	SD103	SD103	SD103
		Sample Date	5/2/2006	12/2/2005	12/2/2005	5/3/2006	5/3/2006	12/2/2005	12/2/2005	5/2/2006
		Sample ID	02SD100AA1	01SD101AB1	01SD101AC1	02SD101AA1	02SD102AA1	01SD103AB1	01SD103AC1	02SD103AA1
		Depth Interval	0- .5	2- 4	4- 6	0- .5	0- .5	2- 4	4- 6	0- .5
		Depth Interval Unit	FT	FT	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit								
71-55-6	1,1,1-TRICHLOROETHANE (TCA)	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
75-34-3	1,1-DICHLOROETHANE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
75-35-4	1,1-DICHLOROETHENE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	2700 J	2800 J	8.8 UJ
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ug/kg	6.3 UJ	220 UJ	230 UJ	6.4 U	5.6 U	940 UJ	370 UJ	8.8 UJ
106-93-4	1,2-DIBROMOETHANE (EDB)	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
95-50-1	1,2-DICHLOROBENZENE	ug/kg	9.1 J	84 J	54 J	0.80 J	0.66 J	990 J	1200 J	8.8 UJ
107-06-2	1,2-DICHLOROETHANE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
78-87-5	1,2-DICHLOROPROPANE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
541-73-1	1,3-DICHLOROBENZENE	ug/kg	0.76 J	160 J	150 J	6.4 U	1.2 J	21000 J	33000 J	8.8 UJ
106-46-7	1,4-DICHLOROBENZENE	ug/kg	0.81 J	310 J	330 J	6.4 U	0.46 J	4500 J	6300 J	8.8 UJ
78-93-3	2-BUTANONE (MEK)	ug/kg	11 J	540 UJ	580 UJ	11 J	5.3 J	2400 UJ	940 UJ	20 J
591-78-6	2-HEXANONE	ug/kg	13 UJ	540 UJ	580 UJ	13 U	11 U	2400 UJ	940 UJ	18 UJ
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ug/kg	13 UJ	540 UJ	580 UJ	13 U	11 U	2400 UJ	940 UJ	18 UJ
67-64-1	ACETONE	ug/kg	41 J	1100 UJ	1200 UJ	40	25 J	4700 UJ	1900 UJ	80 J
71-43-2	BENZENE	ug/kg	6.3 UJ	330 J	380 J	6.4 U	5.6 U	1000 J	1300 J	0.74 J
75-27-4	BROMODICHLOROMETHANE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
75-25-2	BROMOFORM	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
74-83-9	BROMOMETHANE	ug/kg	6.3 UJ	220 UJ	230 UJ	6.4 U	5.6 U	940 UJ	370 UJ	8.8 UJ
75-15-0	CARBON DISULFIDE	ug/kg	0.54 J	110 UJ	120 UJ	0.66 J	0.62 J	470 UJ	190 UJ	1.1 J
56-23-5	CARBON TETRACHLORIDE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
108-90-7	CHLOROBENZENE	ug/kg	8.4 J	38000 J	18000 J	2.3 J	1.8 J	58000 J	24000 J	2.8 J
75-00-3	CHLOROETHANE	ug/kg	13 UJ	220 UJ	230 UJ	13 U	11 U	940 UJ	370 UJ	18 UJ
67-66-3	CHLOROFORM	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
74-87-3	CHLOROMETHANE	ug/kg	6.3 UJ	220 UJ	230 UJ	6.4 U	5.6 U	940 UJ	370 UJ	8.8 UJ
156-59-2	CIS-1,2-DICHLOROETHENE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
110-82-7	CYCLOHEXANE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
100-41-4	ETHYLBENZENE	ug/kg	6.3 UJ	88 J	94 J	6.4 U	5.6 U	760 J	550 J	0.93 J
98-82-8	ISOPROPYLBENZENE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	110 J	8.8 UJ
179601-23-1	M,P-XYLENES	ug/kg	6.3 UJ	500 J	220	6.4 U	1.1 J	3100 J	2600 J	2.2 J
79-20-9	METHYL ACETATE	ug/kg	13 UJ	290 J	400 J	13 U	11 U	4700 UJ	310 J	18 UJ
1634-04-4	METHYL TERT-BUTYL ETHER	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
108-87-2	METHYLCYLOHEXANE	ug/kg	6.3 UJ	58 J	60 J	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
75-09-2	METHYLENE CHLORIDE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
95-47-6	O-XYLENE	ug/kg	6.3 UJ	250 J	130	6.4 U	0.57 J	820 J	630 J	1.2 J
100-42-5	STYRENE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
127-18-4	TETRACHLOROETHENE (PCE)	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	71 J	8.8 UJ
108-88-3	TOLUENE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	6000 J	7100 J	8.8 UJ
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
79-01-6	TRICHLOROETHYLENE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ
75-01-4	VINYL CHLORIDE	ug/kg	6.3 UJ	110 UJ	120 UJ	6.4 U	5.6 U	470 UJ	190 UJ	8.8 UJ

Appendix D-2
Sediment Analytical Data
VOC Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD104	SD104	SD104	SD104	SD105	SD105	SD105	SD106
		Sample Date	5/10/2006	5/10/2006	5/10/2006	5/10/2006	5/10/2006	5/10/2006	5/10/2006	5/10/2006
		Sample ID	02SD104AB1	02SD104AC1	02SD104AC2	02SD104AD1	02SD105AB1	02SD105AC1	02SD105AD1	02SD106AB1
		Depth Interval	2- 4	4- 6	4- 6	6- 8	2- 4	4- 6	6- 8	2- 4
		Depth Interval Unit	FT	FT	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit								
71-55-6	1,1,1-TRICHLOROETHANE (TCA)	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
75-34-3	1,1-DICHLOROETHANE	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
75-35-4	1,1-DICHLOROETHENE	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	760 U	6.7 U	650 U	6.4 U	140 J	1000 U	760 U	5500 J
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
106-93-4	1,2-DIBROMOETHANE (EDB)	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
95-50-1	1,2-DICHLOROBENZENE	ug/kg	61 J	6.7 U	650 U	6.4 U	3400	1600	200 J	51000 J
107-06-2	1,2-DICHLOROETHANE	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
78-87-5	1,2-DICHLOROPROPANE	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
541-73-1	1,3-DICHLOROBENZENE	ug/kg	250 J	6.7 U	650 U	6.4 U	140 J	78 J	760 U	8800 J
106-46-7	1,4-DICHLOROBENZENE	ug/kg	940	6.7 U	650 U	6.4 U	950	930 J	89 J	18000 J
78-93-3	2-BUTANONE (MEK)	ug/kg	1500 U	21	1300 U	44	1700 U	2000 U	1500 U	110000 UJ
591-78-6	2-HEXANONE	ug/kg	1500 U	13 U	1300 U	13 U	1700 U	2000 U	1500 U	110000 UJ
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ug/kg	1500 U	13 U	1300 U	13 U	1700 U	2000 U	1500 U	110000 UJ
67-64-1	ACETONE	ug/kg	3100 U	89	2600 U	26 U	3400 U	4100 U	3000 U	210000 UJ
71-43-2	BENZENE	ug/kg	270 J	0.43 J	650 U	0.70 J	2000	190 J	760 U	33000 J
75-27-4	BROMODICHLOROMETHANE	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
75-25-2	BROMOFORM	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
74-83-9	BROMOMETHANE	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
75-15-0	CARBON DISULFIDE	ug/kg	1500 U	1.0 J	1300 U	0.97 J	1700 U	2000 U	1500 U	110000 UJ
56-23-5	CARBON TETRACHLORIDE	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
108-90-7	CHLOROBENZENE	ug/kg	25000	0.58 J	190 J	17	32000	6500	1300	1700000 J
75-00-3	CHLOROETHANE	ug/kg	1500 U	13 U	1300 U	13 U	1700 U	2000 U	1500 U	110000 UJ
67-66-3	CHLOROFORM	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
74-87-3	CHLOROMETHANE	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
156-59-2	CIS-1,2-DICHLOROETHENE	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
110-82-7	CYCLOHEXANE	ug/kg	760 U	1.1 J	650 U	2.1 J	850 U	1000 U	760 U	53000 UJ
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
100-41-4	ETHYLBENZENE	ug/kg	760 U	6.7 U	42 J	6.4 U	120 J	1000 U	760 U	53000 UJ
98-82-8	ISOPROPYLBENZENE	ug/kg	760 U	6.7 U	650 U	6.4 U	69 J	1000 U	760 U	53000 UJ
179601-23-1	M,P-XYLENES	ug/kg	100 J	6.7 U	68 J	6.4 U	810 J	150 J	89 J	11000 J
79-20-9	METHYL ACETATE	ug/kg	340 J	13 U	230 J	13 U	320 J	370 J	300 J	110000 UJ
1634-04-4	METHYL TERT-BUTYL ETHER	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
108-87-2	METHYLCYLOHEXANE	ug/kg	94 J	7.9 J	52 J	4.1 J	570 J	1000 U	210 J	53000 UJ
75-09-2	METHYLENE CHLORIDE	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
95-47-6	O-XYLENE	ug/kg	140 J	6.7 U	650 U	6.4 U	440 J	1000 U	760 U	53000 UJ
100-42-5	STYRENE	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
127-18-4	TETRACHLOROETHENE (PCE)	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
108-88-3	TOLUENE	ug/kg	760 U	6.7 U	930	6.4 U	320 J	180 J	360 J	16000 J
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
79-01-6	TRICHLOROETHYLENE	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ
75-01-4	VINYL CHLORIDE	ug/kg	760 U	6.7 U	650 U	6.4 U	850 U	1000 U	760 U	53000 UJ

Appendix D-2
Sediment Analytical Data
VOC Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD106	SD107	SD107	SD107	SD108	SD108	SD108	SD108
		Sample Date	5/10/2006	5/9/2006	5/9/2006	5/9/2006	5/10/2006	5/10/2006	5/10/2006	5/10/2006
		Sample ID	02SD106AC1	02SD107AB1	02SD107AB2	02SD107AC1	02SD108AB1	02SD108AC1	02SD108AD1	02SD108AE1
		Depth Interval	4- 6	2- 4	2- 4	4- 6	2- 4	4- 6	6- 8	8- 10
		Depth Interval Unit	FT	FT	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit								
71-55-6	1,1,1-TRICHLOROETHANE (TCA)	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
75-34-3	1,1-DICHLOROETHANE	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
75-35-4	1,1-DICHLOROETHENE	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	1500000	1000 J	1200 U	22000 J	56 J	45000 U	44000 U	14000 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
106-93-4	1,2-DIBROMOETHANE (EDB)	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
95-50-1	1,2-DICHLOROBENZENE	ug/kg	740000	2500 J	1200 U	22000 J	77 J	18000 J	14000 J	990 J
107-06-2	1,2-DICHLOROETHANE	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
78-87-5	1,2-DICHLOROPROPANE	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
541-73-1	1,3-DICHLOROBENZENE	ug/kg	150000 J	2200 J	1200 U	72000	730 U	16000 J	7700 J	14000 U
106-46-7	1,4-DICHLOROBENZENE	ug/kg	150000 J	6800 J	190 J	72000	730 U	49000	49000	5100 J
78-93-3	2-BUTANONE (MEK)	ug/kg	360000 U	13000 U	2500 U	76000 U	1500 U	91000 U	88000 U	28000 U
591-78-6	2-HEXANONE	ug/kg	360000 U	13000 U	2500 U	76000 U	1500 U	91000 U	88000 U	28000 U
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ug/kg	360000 U	13000 U	2500 U	76000 U	1500 U	91000 U	88000 U	28000 U
67-64-1	ACETONE	ug/kg	720000 U	26000 UJ	4900 UJ	150000 UJ	2900 U	180000 U	180000 UJ	55000 UJ
71-43-2	BENZENE	ug/kg	87000 J	22000 J	380 J	46000	180 J	83000	35000 J	13000 J
75-27-4	BROMODICHLOROMETHANE	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
75-25-2	BROMOFORM	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
74-83-9	BROMOMETHANE	ug/kg	180000 U	6500 UJ	1200 UJ	38000 UJ	730 U	45000 U	44000 UJ	14000 UJ
75-15-0	CARBON DISULFIDE	ug/kg	360000 U	13000 U	2500 U	76000 U	1500 U	91000 U	88000 U	28000 U
56-23-5	CARBON TETRACHLORIDE	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
108-90-7	CHLOROBENZENE	ug/kg	4200000	210000 J	25000 J	900000	21000	1000000	1000000	300000
75-00-3	CHLOROETHANE	ug/kg	360000 U	13000 U	2500 U	76000 U	1500 U	91000 U	88000 U	28000 U
67-66-3	CHLOROFORM	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
74-87-3	CHLOROMETHANE	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
156-59-2	CIS-1,2-DICHLOROETHENE	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
110-82-7	CYCLOHEXANE	ug/kg	180000 U	6500 U	1200 U	38000 U	46 J	45000 U	44000 U	14000 U
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
100-41-4	ETHYLBENZENE	ug/kg	15000 J	1800 J	1200 U	3200 J	730 U	2600 J	3700 J	860 J
98-82-8	ISOPROPYLBENZENE	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
179601-23-1	M,P-XYLENES	ug/kg	36000 J	7400	1200 U	9800 J	730 U	9600 J	12000 J	5300 J
79-20-9	METHYL ACETATE	ug/kg	360000 U	13000 U	2500 U	76000 U	420 J	91000 U	88000 U	28000 U
1634-04-4	METHYL TERT-BUTYL ETHER	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
108-87-2	METHYLCYLOHEXANE	ug/kg	180000 U	910 J	1200 U	38000 U	110 J	45000 U	44000 U	14000 U
75-09-2	METHYLENE CHLORIDE	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
95-47-6	O-XYLENE	ug/kg	11000 J	1800 J	1200 U	38000 U	120 J	2600 J	3700 J	1100 J
100-42-5	STYRENE	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
127-18-4	TETRACHLOROETHENE (PCE)	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
108-88-3	TOLUENE	ug/kg	24000 J	1200 J	130 J	9400 J	730 U	34000 J	2700 J	14000 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
79-01-6	TRICHLOROETHYLENE	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U
75-01-4	VINYL CHLORIDE	ug/kg	180000 U	6500 U	1200 U	38000 U	730 U	45000 U	44000 U	14000 U

Appendix D-2
Sediment Analytical Data
VOC Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD109	SD109	SD110	SD110	SD110	SD110	SD111	SD111
		Sample Date	5/9/2006	5/9/2006	5/10/2006	5/10/2006	5/10/2006	5/10/2006	5/9/2006	5/9/2006
		Sample ID	02SD109AB1	02SD109AC1	02SD110AB1	02SD110AC1	02SD110AD1	02SD110AD2	02SD111AB1	02SD111AC1
		Depth Interval	2- 4	4- 6	2- 4	4- 6	6- 8	6- 8	2- 4	4- 6
		Depth Interval Unit	FT	FT	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit								
71-55-6	1,1,1-TRICHLOROETHANE (TCA)	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
75-34-3	1,1-DICHLOROETHANE	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
75-35-4	1,1-DICHLOROETHENE	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
106-93-4	1,2-DIBROMOETHANE (EDB)	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
95-50-1	1,2-DICHLOROBENZENE	ug/kg	670 U	6400 U	62 J	10 J	4.9 U	500 U	62 J	35 J
107-06-2	1,2-DICHLOROETHANE	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
78-87-5	1,2-DICHLOROPROPANE	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
541-73-1	1,3-DICHLOROBENZENE	ug/kg	54 J	630 J	320 J	15 J	4.9 U	500 U	170 J	100 J
106-46-7	1,4-DICHLOROBENZENE	ug/kg	120 J	2300 J	1200	63 J	0.60 J	40 J	230 J	430 J
78-93-3	2-BUTANONE (MEK)	ug/kg	1300 U	13000 U	1400 U	39 J	13	1000 U	370 J	1100 U
591-78-6	2-HEXANONE	ug/kg	1300 U	13000 U	1400 U	16 UJ	9.7 U	1000 U	1900 U	1100 U
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ug/kg	1300 U	13000 U	1400 U	16 UJ	9.7 U	1000 U	1900 U	1100 U
67-64-1	ACETONE	ug/kg	2700 UJ	25000 UJ	2900 U	150 J	43	2000 U	3800 UJ	2200 UJ
71-43-2	BENZENE	ug/kg	3200	13000	91 J	7.6 J	4.2 J	40 J	940 U	540 U
75-27-4	BROMODICHLOROMETHANE	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
75-25-2	BROMOFORM	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
74-83-9	BROMOMETHANE	ug/kg	670 UJ	6400 UJ	720 U	8.2 UJ	4.9 U	500 U	940 UJ	540 UJ
75-15-0	CARBON DISULFIDE	ug/kg	1300 U	13000 U	1400 U	2.8 J	1.1 J	1000 U	1900 U	1100 U
56-23-5	CARBON TETRACHLORIDE	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
108-90-7	CHLOROBENZENE	ug/kg	14000	180000	7900	140 DJ	12 J	400 J	7000	12000 J
75-00-3	CHLOROETHANE	ug/kg	1300 U	13000 U	1400 U	16 UJ	9.7 U	1000 U	1900 U	1100 U
67-66-3	CHLOROFORM	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
74-87-3	CHLOROMETHANE	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
156-59-2	CIS-1,2-DICHLOROETHENE	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
110-82-7	CYCLOHEXANE	ug/kg	670 U	6400 U	720 U	4.3 J	2.8 J	500 U	940 U	540 U
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
100-41-4	ETHYLBENZENE	ug/kg	130 J	530 J	720 U	2.3 J	0.70 J	500 U	940 U	540 U
98-82-8	ISOPROPYLBENZENE	ug/kg	670 U	6400 U	54 J	60 J	3.4 J	30 J	940 U	540 U
179601-23-1	M,P-XYLENES	ug/kg	76 J	680 J	110 J	22 J	3.3 J	100 J	58 J	120 J
79-20-9	METHYL ACETATE	ug/kg	1300 U	13000 U	1400 U	16 UJ	9.7 U	130 J	390 J	88 J
1634-04-4	METHYL TERT-BUTYL ETHER	ug/kg	670 U	6400 U	720 U	1.0 J	4.9 U	500 U	940 U	540 U
108-87-2	METHYLCYLOHEXANE	ug/kg	670 U	480 J	69 J	39 J	12 J	81 J	940 U	51 J
75-09-2	METHYLENE CHLORIDE	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
95-47-6	O-XYLENE	ug/kg	95 J	530 J	120 J	40 J	2.1 J	500 U	70 J	280 J
100-42-5	STYRENE	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
127-18-4	TETRACHLOROETHENE (PCE)	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
108-88-3	TOLUENE	ug/kg	670 U	6400 U	110 J	1.4 J	0.73 J	98 J	940 U	50 J
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
79-01-6	TRICHLOROETHYLENE	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U
75-01-4	VINYL CHLORIDE	ug/kg	670 U	6400 U	720 U	8.2 UJ	4.9 U	500 U	940 U	540 U

Appendix D-2
Sediment Analytical Data
VOC Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD111	SD112	SD112	SD112	SD112	SD112	SD113	SD113
		Sample Date	5/9/2006	5/10/2006	5/10/2006	5/10/2006	5/10/2006	5/10/2006	5/9/2006	5/9/2006
		Sample ID	02SD111AD1	02SD112AB1	02SD112AC1	02SD112AC2	02SD112AD1	02SD112AE1	02SD113AB1	02SD113AC1
		Depth Interval	6- 8	2- 4	4- 6	4- 6	6- 8	8- 10	2- 4	4- 6
		Depth Interval Unit	FT	FT	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit								
71-55-6	1,1,1-TRICHLOROETHANE (TCA)	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	R	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
75-34-3	1,1-DICHLOROETHANE	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
75-35-4	1,1-DICHLOROETHENE	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	2.1 J	890 U	67 J	4200 J	340 J	54 J	740 U	1100 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ug/kg	R	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
106-93-4	1,2-DIBROMOETHANE (EDB)	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
95-50-1	1,2-DICHLOROBENZENE	ug/kg	R	99 J	240 J	1400 J	270 J	230 J	88 J	72 J
107-06-2	1,2-DICHLOROETHANE	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
78-87-5	1,2-DICHLOROPROPANE	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
541-73-1	1,3-DICHLOROBENZENE	ug/kg	R	520 J	630 J	19000 J	2900 J	1300	160 J	280 J
106-46-7	1,4-DICHLOROBENZENE	ug/kg	R	480 J	650 J	12000 J	1800 J	500 J	220 J	260 J
78-93-3	2-BUTANONE (MEK)	ug/kg	12 UJ	1800 U	2000 UJ	19000 UJ	1800 UJ	1300 U	1500 U	2200 U
591-78-6	2-HEXANONE	ug/kg	12 UJ	1800 U	2000 UJ	19000 UJ	1800 UJ	1300 U	1500 U	2200 U
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ug/kg	12 UJ	1800 U	2000 UJ	19000 UJ	1800 UJ	1300 U	1500 U	2200 U
67-64-1	ACETONE	ug/kg	9.5 J	3600 U	4100 UJ	38000 UJ	3700 UJ	2600 UJ	3000 UJ	4300 UJ
71-43-2	BENZENE	ug/kg	0.41 J	250 J	550 J	3400 J	910 J	540 J	740 U	91 J
75-27-4	BROMODICHLOROMETHANE	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
75-25-2	BROMOFORM	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
74-83-9	BROMOMETHANE	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 UJ	740 UJ	1100 UJ
75-15-0	CARBON DISULFIDE	ug/kg	12 UJ	1800 U	2000 UJ	19000 UJ	1800 UJ	1300 U	1500 U	2200 U
56-23-5	CARBON TETRACHLORIDE	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
108-90-7	CHLOROBENZENE	ug/kg	3.6 J	16000	32000 J	200000 J	9100 J	5200	3200	4900
75-00-3	CHLOROETHANE	ug/kg	12 UJ	1800 U	2000 UJ	19000 UJ	1800 UJ	1300 U	1500 U	2200 U
67-66-3	CHLOROFORM	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
74-87-3	CHLOROMETHANE	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
156-59-2	CIS-1,2-DICHLOROETHENE	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
110-82-7	CYCLOHEXANE	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
100-41-4	ETHYLBENZENE	ug/kg	5.8 UJ	73 J	180 J	1200 J	210 J	110 J	740 U	1100 U
98-82-8	ISOPROPYLBENZENE	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
179601-23-1	M,P-XYLENES	ug/kg	5.8 UJ	270 J	810 J	6100 J	1300 J	670	88 J	320 J
79-20-9	METHYL ACETATE	ug/kg	12 UJ	480 J	670 J	19000 UJ	480 J	370 J	360 J	380 J
1634-04-4	METHYL TERT-BUTYL ETHER	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
108-87-2	METHYLCYLOHEXANE	ug/kg	5.8 UJ	73 J	1000 UJ	9500 UJ	84 J	120 J	740 U	74 J
75-09-2	METHYLENE CHLORIDE	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
95-47-6	O-XYLENE	ug/kg	5.8 UJ	180 J	260 J	1500 J	230 J	180 J	80 J	98 J
100-42-5	STYRENE	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
127-18-4	TETRACHLOROETHENE (PCE)	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
108-88-3	TOLUENE	ug/kg	5.8 UJ	110 J	140 J	9500 UJ	110 J	230 J	60 J	74 J
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
79-01-6	TRICHLOROETHYLENE	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U
75-01-4	VINYL CHLORIDE	ug/kg	5.8 UJ	890 U	1000 UJ	9500 UJ	920 UJ	660 U	740 U	1100 U

Appendix D-2
Sediment Analytical Data
VOC Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	DREDGE AREA	DREDGE AREA
		Location ID	SD113	SD113	SD114	SD114	SD114	SD114	SD069	SD069
		Sample Date	5/9/2006	5/9/2006	5/9/2006	5/9/2006	5/9/2006	5/9/2006	12/2/2005	12/2/2005
		Sample ID	02SD113AD1	02SD113AE1	02SD114AB1	02SD114AC1	02SD114AD1	02SD114AE1	01SD069DB1	01SD069DC1
		Depth Interval	6- 8	8- 10	2- 4	4- 6	6- 8	8- 10	2- 4	4- 6
		Depth Interval Unit	FT	FT	FT	FT	FT	FT	FT	FT
CAS No	Chemical Name	Unit								
71-55-6	1,1,1-TRICHLOROETHANE (TCA)	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	550 U	460 U	520 U	630 U	940 U	R	40 UJ	170 UJ
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
75-34-3	1,1-DICHLOROETHANE	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
75-35-4	1,1-DICHLOROETHENE	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	550 U	460 U	520 U	630 U	940 U	R	40 UJ	170 UJ
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ug/kg	550 U	460 U	520 U	630 U	940 U	R	81 UJ	350 UJ
106-93-4	1,2-DIBROMOETHANE (EDB)	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
95-50-1	1,2-DICHLOROBENZENE	ug/kg	66 J	27 J	520 U	93 J	940 U	R	40 UJ	170 UJ
107-06-2	1,2-DICHLOROETHANE	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
78-87-5	1,2-DICHLOROPROPANE	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
541-73-1	1,3-DICHLOROBENZENE	ug/kg	300 J	460 U	520 U	63 J	940 U	R	40 UJ	170 UJ
106-46-7	1,4-DICHLOROBENZENE	ug/kg	460 J	110 J	42 J	280 J	220 J	R	40 UJ	170 UJ
78-93-3	2-BUTANONE (MEK)	ug/kg	1100 U	920 U	1000 U	1300 U	250 J	3.9 J	200 UJ	870 UJ
591-78-6	2-HEXANONE	ug/kg	1100 U	920 U	1000 U	1300 U	1900 U	5.9 UJ	200 UJ	870 UJ
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ug/kg	1100 U	920 U	1000 U	1300 U	1900 U	5.9 UJ	200 UJ	870 UJ
67-64-1	ACETONE	ug/kg	2200 UJ	1800 UJ	2100 UJ	2500 UJ	3800 UJ	27 J	400 UJ	1700 UJ
71-43-2	BENZENE	ug/kg	45 J	460 U	520 U	51 J	61 J	3.0 UJ	40 UJ	170 UJ
75-27-4	BROMODICHLOROMETHANE	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
75-25-2	BROMOFORM	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
74-83-9	BROMOMETHANE	ug/kg	550 UJ	460 UJ	520 UJ	630 UJ	940 UJ	3.0 UJ	81 UJ	350 UJ
75-15-0	CARBON DISULFIDE	ug/kg	1100 U	920 U	1000 U	1300 U	1900 U	0.42 J	40 UJ	170 UJ
56-23-5	CARBON TETRACHLORIDE	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
108-90-7	CHLOROBENZENE	ug/kg	4800	1200	280 J	3100	1000	0.72 J	40 UJ	170 UJ
75-00-3	CHLOROETHANE	ug/kg	1100 U	920 U	1000 U	1300 U	1900 U	5.9 UJ	81 UJ	350 UJ
67-66-3	CHLOROFORM	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
74-87-3	CHLOROMETHANE	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	81 UJ	350 UJ
156-59-2	CIS-1,2-DICHLOROETHENE	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
110-82-7	CYCLOHEXANE	ug/kg	550 U	460 U	520 U	630 U	940 U	0.24 J	40 UJ	170 UJ
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
100-41-4	ETHYLBENZENE	ug/kg	35 J	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
98-82-8	ISOPROPYLBENZENE	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
179601-23-1	M,P-XYLENES	ug/kg	220 J	85 J	520 U	200 J	100 J	3.0 UJ	40 UJ	170 UJ
79-20-9	METHYL ACETATE	ug/kg	200 J	80 J	250 J	230 J	1900 U	5.9 UJ	67 J	260 J
1634-04-4	METHYL TERT-BUTYL ETHER	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
108-87-2	METHYLCYLOHEXANE	ug/kg	550 U	39 J	520 U	110 J	940 U	3.2 J	40 UJ	170 UJ
75-09-2	METHYLENE CHLORIDE	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
95-47-6	O-XYLENE	ug/kg	60 J	48 J	520 U	110 J	940 U	3.0 UJ	40 UJ	170 UJ
100-42-5	STYRENE	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
127-18-4	TETRACHLOROETHENE (PCE)	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
108-88-3	TOLUENE	ug/kg	140 J	70 J	82 J	460 J	220 J	3.0 UJ	40 UJ	170 UJ
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
79-01-6	TRICHLOROETHYLENE	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ
75-01-4	VINYL CHLORIDE	ug/kg	550 U	460 U	520 U	630 U	940 U	3.0 UJ	40 UJ	170 UJ

Appendix D-3
Sediment Analytical Data
AVS and SEM Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	UPSTREAM	UPSTREAM	UPSTREAM	UPSTREAM	UPSTREAM	UPSTREAM
		Location ID	SD015	SD017	SD021	SD026	SD030	SD022
		Sample Date	12/12/2005	5/5/2006	12/12/2005	5/4/2006	5/4/2006	5/5/2006
		Sample ID	01SD015UA1SM	02SD017UA1SM	01SD021UA1SM	02SD026UA1SM	02SD030UA1SM	02SD022UA1SM
		Depth Interval	0- .5	0- 2	0- .5	0- 2	0- 2	0- 2
		Depth Interval Unit	FT	CM	FT	CM	CM	CM
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%			89.8			
7440-43-9	CADMIUM	umoles/g	0.00133 J	0.0005 U	0.00107 J	0.0005 U	0.0005 U	0.0044
7440-50-8	COPPER	umoles/g	0.0850 J	0.1133	0.0692 J	0.1039	0.2912	0.3289
7439-92-1	LEAD	umoles/g	0.0521	0.0405	0.0236	0.0743	0.0348	0.1096
7439-97-6	MERCURY	umoles/g	0.00000997 U	0.000022 U	0.00000997 U	0.000025 U	0.000025 U	0.00009 U
7440-02-0	NICKEL	umoles/g	0.0477 J	0.1363	0.0358 J	0.155	0.0988	0.2419
18496-25-8	SULFIDE, ACID-VOLATILE	umoles/g	1.00 UJ	0.0156 U	1.11 UJ	0.0203 U	0.0468	0.3212
7440-66-6	ZINC	umoles/g	0.512	0.5507	0.252	1.0494	0.4712	1.2391

Appendix D-3
Sediment Analytical Data
AVS and SEM Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	UPSTREAM	UPSTREAM	UPSTREAM	UPSTREAM	ADJACENT FAR FIELD	ADJACENT FAR FIELD
		Location ID	SD001	SD008	SD008	SD011	SD036	SD036
		Sample Date	5/5/2006	5/5/2006	5/5/2006	5/5/2006	5/4/2006	5/4/2006
		Sample ID	02SD001UA1SM	02SD008UA1SM	02SD008UA2SM	02SD011UA1SM	02SD036AA1SM	02SD036AA2SM
		Depth Interval	0- 2	0- 2	0- 2	0- 2	0- 2	0- 2
		Depth Interval Unit	CM	CM	CM	CM	CM	CM
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%						
7440-43-9	CADMIUM	umoles/g	0.0011	0.0004 U	0.001	0.0031	0.0016	0.0014
7440-50-8	COPPER	umoles/g	0.0992	0.118	0.1259	0.469	0.4753	0.1794
7439-92-1	LEAD	umoles/g	0.0816	0.0574	0.2259	0.2548	0.0806 *	0.1458 *
7439-97-6	MERCURY	umoles/g	0.000022 U	0.00002 U	0.000025 U	0.00003 U	0.000037 U	0.000035 U
7440-02-0	NICKEL	umoles/g	0.1516	0.1482	0.1397	0.2078	0.138	0.1363
18496-25-8	SULFIDE, ACID-VOLATILE	umoles/g	0.0873	0.1715	0.6549	2.4638	0.0203 U	0.0203 U
7440-66-6	ZINC	umoles/g	0.6853	0.7328	0.6027	1.262	0.9393	0.8276

Appendix D-3
Sediment Analytical Data
AVS and SEM Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT FAR FIELD	ADJACENT FAR FIELD	ADJACENT FAR FIELD	ADJACENT FAR FIELD	ADJACENT FAR FIELD	ADJACENT FAR FIELD
		Location ID	SD038	SD041	SD042	SD045	SD048	SD050
		Sample Date	5/4/2006	5/3/2006	5/3/2006	5/3/2006	5/3/2006	5/3/2006
		Sample ID	02SD038AA1SM	02SD041AA1SM	02SD042AA1SM	02SD045AA1SM	02SD048AA1SM	02SD050AA1SM
		Depth Interval	0- 2	0- 2	0- 2	0- 2	0- 2	0- 2
		Depth Interval Unit	CM	CM	CM	CM	CM	CM
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%						
7440-43-9	CADMIUM	umoles/g	0.0008	0.0005 U	0.0007	0.0013	0.0007	0.0006
7440-50-8	COPPER	umoles/g	0.063	0.0504 *	0.0661 *	0.1023	0.0362	0.0504
7439-92-1	LEAD	umoles/g	0.0681 *	0.432	0.0265	0.0541 *	0.014 *	0.0372 *
7439-97-6	MERCURY	umoles/g	0.00002 U	0.00002 U	0.00002 U	0.000022 U	0.00002 U	0.00002 U
7440-02-0	NICKEL	umoles/g	0.109	0.1175	0.1141	0.0869	0.0562	0.0698
18496-25-8	SULFIDE, ACID-VOLATILE	umoles/g	0.0203 U	0.0234 U	0.0234 U	0.0343 J	0.0234 U	0.0234 U
7440-66-6	ZINC	umoles/g	0.5063	0.5109	0.5155	0.4926	0.3855	0.2861

Appendix D-3
Sediment Analytical Data
AVS and SEM Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT FAR FIELD	ADJACENT FAR FIELD	ADJACENT FAR FIELD	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD052	SD055	SD079	SD056	SD057	SD077
		Sample Date	5/3/2006	5/3/2006	5/4/2006	5/3/2006	12/12/2005	5/4/2006
		Sample ID	02SD052AA1SM	02SD055AA1SM	02SD079AA1SM	02SD056AA1SM	01SD057AA1SM	02SD077AA2SM
		Depth Interval	0- 2	0- 2	0- 2	0- 2	0- .5	0- 2
		Depth Interval Unit	CM	CM	CM	CM	FT	CM
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%					54.8	
7440-43-9	CADMIUM	umoles/g	0.0017	0.0008	0.0006 U	0.006	0.00294 J	0.0075
7440-50-8	COPPER	umoles/g	0.107 *	0.1936 *	0.6468	0.5194 *	0.258 J	0.6641
7439-92-1	LEAD	umoles/g	0.0637	0.0386	0.2877 *	0.1482	0.0864	0.2172
7439-97-6	MERCURY	umoles/g	0.000022 U	0.000022 U	0.000025 U	0.000075 U	0.0000150 U	0.00006 U
7440-02-0	NICKEL	umoles/g	0.1737	0.1175	0.1874	0.3202	0.0852	0.2657
18496-25-8	SULFIDE, ACID-VOLATILE	umoles/g	0.0234 U	0.0234 U	0.0203 U	0.1403	1.83 UJ	6.4247
7440-66-6	ZINC	umoles/g	0.8689	0.5706	1.1305	1.7133	0.794	1.9581

Appendix D-3
Sediment Analytical Data
AVS and SEM Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD077	SD080	SD081	SD081	SD082	SD082
		Sample Date	5/4/2006	5/4/2006	12/12/2005	12/12/2005	12/12/2005	12/12/2005
		Sample ID	02SD077AA1SM	02SD080AA1SM	01SD081AA1SM	01SD081AA2SM	01SD082AA1SM	01SD082AA2SM
		Depth Interval	0- 2	0- 2	0- .5	0- .5	0- .5	0- .5
		Depth Interval Unit	CM	CM	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%			57.0	63.9	52.6	47.8
7440-43-9	CADMIUM	umoles/g	0.0045	0.0052	0.00454 J	0.00587 J	0.0640 J	0.0747 J
7440-50-8	COPPER	umoles/g	0.3636	0.458	0.448 J	0.263 J	0.587 J	0.694 J
7439-92-1	LEAD	umoles/g	0.1448	0.1752	0.118	0.134 J	1.58 J	1.80 J
7439-97-6	MERCURY	umoles/g	0.00008 U	0.000075 U	0.0000150 U	0.0000150 UJ	0.0000199 UJ	0.0000199 UJ
7440-02-0	NICKEL	umoles/g	0.2265	0.2282	0.0886 J	0.0732 J	0.157 J	0.152 J
18496-25-8	SULFIDE, ACID-VOLATILE	umoles/g	0.0561	0.1778	1.76 UJ	1.57 UJ	2.95 J	4.81 J
7440-66-6	ZINC	umoles/g	1.3967	1.6062	1.14	1.11 J	3.58 J	4.53 J

Appendix D-3
Sediment Analytical Data
AVS and SEM Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD084	SD084	SD085	SD086	SD088	SD089
		Sample Date	5/4/2006	5/4/2006	12/7/2005	12/7/2005	12/7/2005	12/7/2005
		Sample ID	02SD084AA1SM	02SD084AA2SM	01SD085AA1SM	01SD086AA1SM	01SD088AA1SM	01SD089AA1SM
		Depth Interval	0- 2	0- 2	0- .5	0- .5	0- .5	0- .5
		Depth Interval Unit	CM	CM	FT	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%			39.5	61.9	43.6	53.6
7440-43-9	CADMIUM	umoles/g	0.0066	0.006	0.113 J	0.00374 J	0.0302 J	0.00409 J
7440-50-8	COPPER	umoles/g	0.4721	0.6453	1.28 J	0.765 J	0.736 J	0.387 J
7439-92-1	LEAD	umoles/g	0.1713	0.166 *	2.86 J	0.106	0.441 J	0.0801
7439-97-6	MERCURY	umoles/g	0.000065 U	0.000065 U	0.0000249 UJ	0.0000150 U	0.0000199 UJ	0.0000199 U
7440-02-0	NICKEL	umoles/g	0.2197	0.2776	0.278 J	0.112 J	0.211 J	0.118 J
18496-25-8	SULFIDE, ACID-VOLATILE	umoles/g	3.7425	0.1622	2.53 UJ	1.62 U	3.37 J	1.87 U
7440-66-6	ZINC	umoles/g	1.7745	1.7898	5.93 J	1.01	3.98 J	1.00

Appendix D-3
Sediment Analytical Data
AVS and SEM Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE	ADJACENT NEARSHORE
		Location ID	SD091	SD092	SD094	SD095	SD097	SD099
		Sample Date	12/12/2005	5/3/2006	5/3/2006	12/12/2005	12/7/2005	12/7/2005
		Sample ID	01SD091AA1SM	02SD092AA1SM	02SD094AA1SM	01SD095AA1SM	01SD097AA1SM	01SD099AA1SM
		Depth Interval	0- .5	0- 2	0- 2	0- .5	0- .5	0- .5
		Depth Interval Unit	FT	CM	CM	FT	FT	FT
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%	66.0			61.2	59.3	58.0
7440-43-9	CADMIUM	umoles/g	0.00667 J	0.005	0.0111	0.00374 J	0.00720 J	0.00365 J
7440-50-8	COPPER	umoles/g	0.332 J	0.3903 *	0.9695 *	0.195 J	0.431 J	0.260 J
7439-92-1	LEAD	umoles/g	0.336	0.1115	0.2278	0.126	0.147	0.113
7439-97-6	MERCURY	umoles/g	0.0000150 U	0.000065 U	0.000055 U	0.0000150 U	0.0000150 U	0.0000150 U
7440-02-0	NICKEL	umoles/g	0.109 J	0.2708	0.2402	0.0920 J	0.124 J	0.112 J
18496-25-8	SULFIDE, ACID-VOLATILE	umoles/g	1.52 UJ	0.4896	0.2713	1.64 UJ	1.69 U	1.73 U
7440-66-6	ZINC	umoles/g	2.51	1.3508	1.7745	1.15	1.18	1.04

Appendix D-3
Sediment Analytical Data
AVS and SEM Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	ADJACENT NEARSHORE	ADJACENT NEARSHORE	DREDGE AREA	DREDGE AREA	DREDGE AREA	DREDGE AREA
		Location ID	SD100	SD103	SD011-INV	SD061	SD064	SD066
		Sample Date	5/2/2006	5/2/2006	12/12/2005	5/2/2006	5/2/2006	5/2/2006
		Sample ID	02SD100AA1SM	02SD103AA1SM	01SDINV011SM	02SD061DA1SM	02SD064DA1SM	02SD066DA1SM
		Depth Interval	0- 2	0- 2	0- .5	0- 2	0- 2	0- 2
		Depth Interval Unit	CM	CM	FT	CM	CM	CM
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%			68.6			
7440-43-9	CADMIUM	umoles/g	0.0057	0.0080	0.00756 J	0.0024	0.0063	0.0026
7440-50-8	COPPER	umoles/g	0.3053	0.4611	0.294 J	0.1228	0.1967	0.1353
7439-92-1	LEAD	umoles/g	0.1660 *	0.1530 *	0.295	0.1023 *	0.0936 *	0.1462 *
7439-97-6	MERCURY	umoles/g	0.000105 U	0.000160 U	0.0000150 U	0.000274 U	0.000055 U	0.000025 U
7440-02-0	NICKEL	umoles/g	0.2129	0.2453	0.0545 J	0.1380	0.1754	0.1192
18496-25-8	SULFIDE, ACID-VOLATILE	umoles/g	0.2869	0.1216	2.03 J	0.0218 U	0.0499	0.0218 U
7440-66-6	ZINC	umoles/g	1.4563	1.7898	1.56	1.0203	1.2039	0.8368

Appendix D-3
Sediment Analytical Data
AVS and SEM Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

		Location Description	DREDGE AREA	DREDGE AREA	DREDGE AREA	DREDGE AREA	DREDGE AREA	DOWNSTREAM
		Location ID	SD067	SD068	SD071	SD073	SD074	SD075
		Sample Date	5/2/2006	5/2/2006	5/2/2006	5/2/2006	5/2/2006	5/5/2006
		Sample ID	02SD067DA1SM	02SD068DA1SM	02SD071DA1SM	02SD073DA1SM	02SD074DA1SM	02SD075DA1SM
		Depth Interval	0- 2	0- 2	0- 2	0- 2	0- 2	0- 2
		Depth Interval Unit	CM	CM	CM	CM	CM	CM
CAS No	Chemical Name	Unit						
	SOLIDS, TOTAL (%)	%						
7440-43-9	CADMIUM	umoles/g	0.0051	0.0757	0.0057	0.0020	0.0012	0.0012
7440-50-8	COPPER	umoles/g	0.2927	1.4888	5.7602	0.0866	0.0630	0.1149
7439-92-1	LEAD	umoles/g	0.1834 *	0.9026 *	0.1627 *	0.0661 *	0.0459 *	0.1964
7439-97-6	MERCURY	umoles/g	0.000025 U	0.000548 U	0.000055 U	0.000027 U	0.000022 U	0.000027 U
7440-02-0	NICKEL	umoles/g	0.1567	0.3083	0.1482	0.1260	0.0835	0.1294
18496-25-8	SULFIDE, ACID-VOLATILE	umoles/g	0.0218 U	0.4366	0.0218 U	0.0218 U	0.0218 U	0.0156 U
7440-66-6	ZINC	umoles/g	1.2636	4.5281	1.2116	0.8796	0.5782	0.9133

Appendix B-4
Surface Water Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

CAS No	Chemical Name	Location Description Location ID Sample Date Sample ID Unit	UPSTREAM SW01 11/30/2005 01SW01U1	UPSTREAM SW01 11/30/2005 01SW01U1F	UPSTREAM SW02 11/30/2005 01SW02U2F	UPSTREAM SW02 11/30/2005 01SW02U1	UPSTREAM SW02 11/30/2005 01SW02U1F	UPSTREAM SW02 11/30/2005 01SW02U2	ADJACENT NEARSHORE SW03 11/30/2005 01SW03A1F	ADJACENT NEARSHORE SW03 11/30/2005 01SW03A1	ADJACENT NEARSHORE SW04 11/30/2005 01SW04A1
HARD	HARDNESS, TOTAL AS CACO3	mg/l	110			101		77.0		76.7	83.3
SS	SOLIDS, TOTAL SUSPENDED (TSS)	mg/l	133			195		190		144	132
7440-44-0	TOTAL ORGANIC CARBON	mg/l	3.92	4.47	5.92	4.72	5.75	4.71	5.59	4.52	5.08
7429-90-5	ALUMINUM	ug/l	8930	2990	1280	13000	1110	13100	170	8770	9150
7440-36-0	ANTIMONY	ug/l	R	R	R	R	R	R	R	R	R
7440-38-2	ARSENIC	ug/l	1.5	0.698	0.389	2.1	0.469	2.2	0.28	1.6	1.7
7440-39-3	BARIUM	ug/l	93.1	42.4	27.2	127	24.0	125	24.6	99.7	106
7440-41-7	BERYLLIUM	ug/l	0.239	0.118	0.115 U	0.319	0.115 U	0.322	0.115 U	0.238	0.266
7440-43-9	CADMIUM	ug/l	0.134 J	0.055	0.05 U	0.168 J	0.05 U	0.171 J	0.05 U	0.124 J	0.112 J
7440-70-2	CALCIUM METAL	ug/l	30100	28700	18500	20400	18400	20300	18400	21000	20400
7440-47-3	CHROMIUM, TOTAL	ug/l	7.9	3.0	1.8	12.7	2.4	14.9	1.7 U	8.6	9.6
7440-48-4	COBALT	ug/l	3.0	0.945	0.42	4.1	0.394	4.2	0.145	2.8	3.0
7440-50-8	COPPER	ug/l	7.5	3.2	1.9	9.6	1.8	9.8	1.2	8.0	8.8
7439-89-6	IRON, TOTAL	ug/l	8620	2640	1110	12300	986	12600	210	8290	8640
7439-92-1	LEAD	ug/l	5.5	1.6	0.642	6.3	0.628	6.4	0.307	6.8	6.7
7439-95-4	MAGNESIUM	ug/l	7220	5850	3990	6770	3960	6700	3790	5990	5900
7439-96-5	MANGANESE	ug/l	230	70.5	41.8	303	39.9	298	34.2	286	292
7439-97-6	MERCURY	ng/l	4.73 J	3.53 J	1.85 J	8.06 J	1.46 J	7.93 J	3.4 J	6.46 J	9.03 J
7440-02-0	NICKEL	ug/l	14.9	7.1 J	6.9 U	18.5	6.9 U	22.0	6.9 U	31.6	12.8
7440-09-7	POTASSIUM	ug/l	4030	2190 J	1500 J	5030	1480 J	4980	1200 J	3910	4060
7782-49-2	SELENIUM	ug/l	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
7440-22-4	SILVER	ug/l	0.033	0.027 U	0.027 U	0.043	0.027 U	0.041	0.027 U	0.04	0.034
7440-23-5	SODIUM	ug/l	19200	18700	10800	11600	10700	11400	11700	13300	13100
7440-28-0	THALLIUM	ug/l	0.083	0.06 U	0.06 U	0.109	0.06 U	0.11	0.06 U	0.075	0.078
7440-62-2	VANADIUM	ug/l	9.4	4.0	1.9	11.8	1.8	12.2	R	9.3	9.9
7440-66-6	ZINC	ug/l	28.6	11.3	11.9	38.2	7.0	35.7	7.8	31.0	32.2

Appendix B-4
Surface Water Analytical Data
Inorganic Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

CAS No	Chemical Name	Location Description Location ID Sample Date Sample ID Unit	ADJACENT NEARSHORE SW04 11/30/2005 01SW04A1F	ADJACENT NEARSHORE SW05 11/30/2005 01SW05A1	ADJACENT NEARSHORE SW05 11/30/2005 01SW05A1F	ADJACENT NEARSHORE SW06 11/30/2005 01SW06A1F	ADJACENT NEARSHORE SW06 11/30/2005 01SW06A1	ADJACENT NEARSHORE SW07 11/30/2005 01SW07A1F	ADJACENT NEARSHORE SW07 11/30/2005 01SW07A1
HARD	HARDNESS, TOTAL AS CACO3	mg/l		73.0			84.3		86.3
SS	SOLIDS, TOTAL SUSPENDED (TSS)	mg/l		190			191		210
7440-44-0	TOTAL ORGANIC CARBON	mg/l	6.60	4.64	5.53	4.95	4.41	5.61	4.52
7429-90-5	ALUMINUM	ug/l	765	11700	47.5	95.2	11400	752	12100
7440-36-0	ANTIMONY	ug/l	R	R	R	R	R	R	R
7440-38-2	ARSENIC	ug/l	0.424	2.0	0.269	0.245	2.0	0.359	2.2
7440-39-3	BARIUM	ug/l	30.2	119	17.3	17.8	114	24.4	117
7440-41-7	BERYLLIUM	ug/l	0.115 U	0.329	0.115 U	0.115 U	0.312	0.115 U	0.353
7440-43-9	CADMIUM	ug/l	0.05 U	0.367 J	0.05 U	0.05 U	0.169 J	0.05 U	0.19 J
7440-70-2	CALCIUM METAL	ug/l	18700	22100	16900	20300	22900	20100	22400
7440-47-3	CHROMIUM, TOTAL	ug/l	1.7 U	12.4	1.7 U	1.7 U	10.4	1.7 U	10.7
7440-48-4	COBALT	ug/l	0.323	3.7	0.109	0.146	3.8	0.303	4.0
7440-50-8	COPPER	ug/l	1.8	9.1	1.1	1.1	9.2	2.1	9.7
7439-89-6	IRON, TOTAL	ug/l	765	11700	90.3	126	11600	677	11900
7439-92-1	LEAD	ug/l	0.699	7.2	0.144	0.13	6.1	0.431	6.6
7439-95-4	MAGNESIUM	ug/l	4040	6790	3410	4070	6950	4180	6930
7439-96-5	MANGANESE	ug/l	60.0	336	26.5	24.8	287	32.3	304
7439-97-6	MERCURY	ng/l	2.28 J	5.18 J	2.11 J	2.59 J	8.07 J	2.49 J	5.34 J
7440-02-0	NICKEL	ug/l	7.5	15.0	6.9 U	6.9 U	15.9	6.9 J	15.2
7440-09-7	POTASSIUM	ug/l	1580 J	4610	1010 J	1240 J	4540	1470 J	4840
7782-49-2	SELENIUM	ug/l	1.6 U	1.6 U	1.6 U	1.6 U	1.8	1.6 U	1.6 U
7440-22-4	SILVER	ug/l	0.027 U	0.043	0.027 U	0.027 U	0.052	0.027 U	0.075
7440-23-5	SODIUM	ug/l	12500	12900	10100	12300	13300	12400	13800
7440-28-0	THALLIUM	ug/l	0.06 U	0.097	0.06 U	0.06 U	0.093	0.06 U	0.105
7440-62-2	VANADIUM	ug/l	1.5	11.4	R	R	11.6	1.3	12.5
7440-66-6	ZINC	ug/l	23.4	40.9	9.7	6.9 U	36.9	35.1	36.7

Appendix B-5
Surface Water Analytical Data
VOC Constituents
BASF Corporation
Hudson River OU-2 Investigation
Rensselaer, New York

CAS No	Chemical Name	Location Description Location ID Sample Date Sample ID Unit	UPSTREAM SW01 11/30/2005 01SW01U1	UPSTREAM SW02 11/30/2005 01SW02U1	UPSTREAM SW02 11/30/2005 01SW02U2	ADJACENT NEARSHORE SW03 11/30/2005 01SW03A1	ADJACENT NEARSHORE SW04 11/30/2005 01SW04A1	ADJACENT NEARSHORE SW05 11/30/2005 01SW05A1	ADJACENT NEARSHORE SW06 11/30/2005 01SW06A1	ADJACENT NEARSHORE SW07 11/30/2005 01SW07A1
71-55-6	1,1,1-TRICHLOROETHANE (TCA)	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/l	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
75-34-3	1,1-DICHLOROETHANE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
75-35-4	1,1-DICHLOROETHENE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ug/l	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
106-93-4	1,2-DIBROMOETHANE (EDB)	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
95-50-1	1,2-DICHLOROBENZENE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
107-06-2	1,2-DICHLOROETHANE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
78-87-5	1,2-DICHLOROPROPANE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
541-73-1	1,3-DICHLOROBENZENE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
106-46-7	1,4-DICHLOROBENZENE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
78-93-3	2-BUTANONE (MEK)	ug/l	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
591-78-6	2-HEXANONE	ug/l	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ug/l	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
67-64-1	ACETONE	ug/l	2.2 J	2.3 J	3.3 J	2.9 J	2.9 J	1.9 J	2.3 J	3.6 J
71-43-2	BENZENE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
75-27-4	BROMODICHLOROMETHANE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
75-25-2	BROMOFORM	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
74-83-9	BROMOMETHANE	ug/l	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
75-15-0	CARBON DISULFIDE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
56-23-5	CARBON TETRACHLORIDE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
108-90-7	CHLOROBENZENE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
75-00-3	CHLOROETHANE	ug/l	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
67-66-3	CHLOROFORM	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
74-87-3	CHLOROMETHANE	ug/l	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
156-59-2	CIS-1,2-DICHLOROETHENE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
110-82-7	CYCLOHEXANE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
124-48-1	DIBROMOCHLOROMETHANE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
100-41-4	ETHYLBENZENE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
98-82-8	ISOPROPYLBENZENE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
179601-23-1	M,P-XYLENES	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
79-20-9	METHYL ACETATE	ug/l	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
1634-04-4	METHYL TERT-BUTYL ETHER	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
108-87-2	METHYLCYLOHEXANE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
75-09-2	METHYLENE CHLORIDE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
95-47-6	O-XYLENE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
100-42-5	STYRENE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
127-18-4	TETRACHLOROETHENE (PCE)	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
108-88-3	TOLUENE	ug/l	1.0 U	1.0 U	1.0 U	0.43 J	0.43 J	0.33 J	1.0 U	1.0 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
79-01-6	TRICHLOROETHYLENE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
75-01-4	VINYL CHLORIDE	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U