TABLE 3-5A
SUMMARY OF RI SOIL SAMPLE ARAR/PRG EXCEEDANCES
RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE
NEWARK, NEW JERSEY

								Metals					
								Arsenic		Copper		Lead	
								ARAR = 19 mg/kg		PRG = 526 mg/kg		PRG = 800 mg/kg	
Lot ID	Location	Location	Sample ID	Sample Date	Sample Depth Interval (ft bgs)	Sample Type	Parent sample ID	Result (mg/kg)	Qual	Result (mg/kg)	Qual	Result (mg/kg)	Qual
1	B-3	3	B-3(1-2)_102517	10/25/2017	1 - 2	Primary		5.3		60.5		620	
1	B-3	3	B-3(2-3)_102517	10/25/2017	2 - 3	Primary		2.5		23		9.9	
1	B-4	4	B-4(0-1)_100617	10/6/2017	0 - 1	Primary		7.3		238		650	
1	B-4	4	B-4(1-3)_100617	10/6/2017	1 - 3	Primary		12.6		92.1		***1070***	
1	B-5	5	B-5(0.5-1.5)_101317	10/13/2017	0.5 - 1.5	Primary		4.8		55.6		254	
1	B-5	5	B-5(5-6.5)_101317	10/13/2017	5 - 6.5	Primary		2.2		30.3		77.7	
1	B-12	12	B-12(0-1)_101317	10/13/2017	0 - 1	Primary		15.3		188		***2000***	
1	B-12	12	B-12(1-3)_101317	10/13/2017	1 - 3	Primary		13.5		134		578	
1	B-79	79	B-79(1-2)_102617	10/26/2017	1 - 2	Primary		4.6		42		405	
1	B-79	79	B-79(5-6)_102617	10/26/2017	5 - 6	Primary		1.9		18.9		33.1	
1	B-96	96	B-96(1-2)_121518	12/15/2018	1 - 2	Primary		4.5	J	38.2	J	197	
1	B-96	96	B-96(2-3.5)_121518	12/15/2018	2 - 3.5	Primary		1.5	J	26.3		13.5	
1	B-97	97	B-97(11-13)_121518	12/15/2018	11 - 13	Primary		1.1	J	11		4.4	
1	B-97	97	B-97(1-2)_121518	12/15/2018	1 - 2	Primary		3.7	J	33		105	
1	B-97	97	DUP-4_121518	12/15/2018	1 - 2	Duplicate	B-97(1-2)_121518	3.6	J	23.3		105	
1	B-97	97	B-97(2-3.8)_121518	12/15/2018	2 - 3.8	Primary		5.4		58.2		732	
1	B-98	98	B-98(0-1)_121418	12/14/2018	0 - 1	Primary		4.1	J	45.1		314	
1	B-98	98	B-98(1-2.9)_121418	12/14/2018	1 - 2.9	Primary		5.3	J	33.4		182	
57	B-6	6	B-6(3.5-4.5)_101717	10/17/2017	3.5 - 4.5	Primary		2		72.2		298	
57	B-6	6	B-6(5-5.5)_101717	10/17/2017	5 - 5.5	Primary		2.7		39.7		255	
57	B-7	7	B-7(0.5-1.5)_101017	10/10/2017	0.5 - 1.5	Primary		3.7		34.1		273	
57	B-7	7	B-7(5-6)_101017	10/10/2017	5 - 6	Primary		4.6		30.7		24.1	
57	B-8	8	B-8(1.5-2.5)_101017	10/10/2017	1.5 - 2.5	Primary		2.6		62.8		71.6	
57	B-8	8	B-8(5-6.25)_101017	10/10/2017	5 - 6.25	Primary		1.6		26.6		40.8	
57	B-9	9	B-9(0-1)_101617	10/16/2017	0 - 1	Primary		3.8		55.9		571	
57	B-9	9	B-9(5-6)_101617	10/16/2017	5 - 6	Primary		6.4		41.5		***925***	
57	B-10	10	B_10(3_5)_101617	10/16/2017	3 - 5	Primary		7.4		85.4		211	
57	B-71	71	B-71(3-5)_101617	10/16/2017	3 - 5	Primary		3.8		19.1		48.7	
58	B-13	13	B-13(0-1)_101117	10/11/2017	0 - 1	Primary		3.9		34.1		171	
58	B-13	13	B-13(1-3)_101117	10/11/2017	1 - 3	Primary		10.1		127		***1390***	
58	B-14	14	B-14(0-1)_101717	10/17/2017	0 - 1	Primary		2		78.8		33.9	
58	B-14	14	B-14(7-7.5)_101717	10/17/2017	7 - 7.5	Primary		0.74		8.1		1.9	
58	B-15	15	B-15(0.25-1.25)_101717	10/17/2017	0.25 - 1.25	Primary		10	J-	47.3		545	
58	B-15	15	B-15(5-6)_101717	10/17/2017	5 - 6	Primary		6.3		35		310	
58	B-16	16	B-16(0-1)_101217	10/12/2017	0 - 1	Primary		6.1		422		435	
58	B-16	16	B-16(7-7.75)_101217	10/12/2017	7 - 7.75	Primary		0.4	U	4.2		1.4	J+
58	B-17	17	B-17(0.25-1.25)_101717	10/17/2017	0.25 - 1.25	Primary		2.7		85.6		222	
58	B-17	17	B-17(5-6.5)_101717	10/17/2017	5 - 6.5	Primary		3.8		40.2		72.6	
58	B-17	17	DUP-6_101717	10/17/2017	5 - 6.5	Duplicate	B-17(5-6.5)_101717	5.1		44		62	
59	B-18	18	B-18(0-1)_101217	10/12/2017	0 - 1	Primary		4		55.2		302	
59	B-18	18	B-18(5-6)_101217	10/12/2017	5 - 6	Primary		2.4		61.2		156	
59	B-99	99	B-99(0-1)_121518	12/15/2018	0 - 1	Primary		3.6		41.3		311	
59	B-99	99	B-99(11-13)_121518	12/15/2018	11 - 13	Primary		1.3	J-	7		18.4	
59	B-99	99	B-99(1-2.9)_121518	12/15/2018	1 - 2.9	Primary		5.8		25.3		60.9	
59	B-103	103	B-103(0-1)_121418	12/14/2018	0 - 1	Primary		4	J	69.8		372	
59	B-103	103	B-103(5-7)_121418	12/14/2018	5 - 7	Primary		0.65		3	J+	2.6	J+
59	B-104	104	B-104(0-1)_121418	12/14/2018	0 - 1	Primary		4.8		61.3		153	
59	B-104	104	B-104(7-8.7)_121418	12/14/2018	7 - 8.7	Primary		0.46	J	3.6	J+	2.4	
59	B-104	104	DUP-3_121418	12/14/2018	7 - 8.7	Duplicate	B-104(7-8.7)_121418	0.62		3.9	J+	2.3	
60	B-20	20	B-20(3.5-4)_101817	10/18/2017	3.5 - 4	Primary		6.8		71.5		294	
60	B-20	20	B-20(5-6)_101817	10/18/2017	5 - 6	Primary		3.5		42.3		88.7	
60	B-22	22	B-22(0-1)_100617	10/6/2017	0 - 1	Primary		7.1		53		482	
60	B-22	22	B-22(1-3)_100617	10/6/2017	1 - 3	Primary		3.2		29.2		122	
60	B-23	23	B-23(0-1)_100517	10/5/2017	0 - 1	Primary		5.7		60.5		243	
60	B-23	23	B-23(1-3)_100517	10/5/2017	1 - 3	Primary		7.7		63.3		350	
60	B-95	95	B-95(0-1)_121318	12/13/2018	0 - 1	Primary		1.4		118		38.3	
60	B-95	95	B-95(11-13)_121318	12/13/2018	11 - 13	Primary		3.8	J	31		20.4	
60	B-95	95	B-95(1-2.8)_121318	12/13/2018	1 - 2.8	Primary		2.5		48.6		117	
60	B-105	105	B-105(0.7-1.7)_121518	12/15/2018	0.7 - 1.7	Primary		10.7	J	18.8		97.9	
60	B-105	105	B-105(1.7-3.2)_121518	12/15/2018	1.7 - 3.2	Primary		3		28.2		31.2	
61	B-24	24	B-24(0.5-1.5)_100517	10/5/2017	0.5 - 1.5	Primary		10.8		68.8		205	
61	B-24	24	B-24(1.5-3.5)_100517	10/5/2017	1.5 - 3.5	Primary		***56.8***		32.5		420	
61	B-24	24	DUP-3_100517	10/5/2017	1.5 - 3.5	Duplicate	B-24(1.5-3.5)_100517	***49.3***		32.9		458	
61	B-25	25	B-25(0.5-1.5)_100517	10/5/2017	0.5 - 1.5	Primary		2.8		40.4		32.4	
61	B-25	25	B-25(5-5.5)_100517	10/5/2017	5 - 5.5	Primary		4.4		89.2		427	
61	B-26	26	B-26(0.5-1.5)_100517	10/5/2017	0.5 - 1.5	Primary		10.1		222		***1510***	
61	B-26	26	B-26(5-5.8)_100517	10/5/2017	5 - 5.8	Primary		9.3		115		***831***	
61	B-27	27	B-27(0.5-1.5)_100517	10/5/2017	0.5 - 1.5	Primary		6		59.5		421	
61	B-27	27	B-27(5-5.5)_100517	10/5/2017	5 - 5.5	Primary		5.5		130		213	
61	B-68	68	B-68(1-2)_102417	10/24/2017	1 - 2	Primary		4.3		60.5		422	
62	B-28	28	B-28(0.5-1.5)_100917	10/9/2017	0.5 - 1.5	Primary		3.5		101		375	
62	B-28	28	B-28(1.5-2.75)_100917	10/9/2017	1.5 - 2.75	Primary		10.5		137		643	
62	B-93	93	B-93(1-2)_121518	12/15/2018	1 - 2	Primary		7.1	J	111		683	
62	B-93	93	B-93(2-3)_121518	12/15/2018	2 - 3	Primary		9.3		109		272	
63	B-29	29	B-29(0-1)_092917	9/29/2017	0 - 1	Primary		4.5		137		***802***	
63	B-29	29	B-29(1-3)_092917	9/29/2017	1 - 3	Primary		5.2		150		***851***	
63	B-30	30	B-30(0-1)_100417	10/4/2017	0 - 1	Primary		***19.9***		316		***3700***	
63	B-30	30	B-30(3-3.8)_100417	10/4/2017	3 - 3.8	Primary		***26.1***		337		***6210***	

TABLE 3-5A
SUMMARY OF RI SOIL SAMPLE ARAR/PRG EXCEEDANCES
RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE
NEWARK, NEW JERSEY

PAHs			
Benzo(a) anthracene ARAR = 17 mg/kg Result (mg/kg)	Qual	Benzo(a)pyrene ARAR = 2 mg/kg Result (mg/kg)	Qual
Benzo(b) fluoranthene ARAR = 17 mg/kg Result (mg/kg)	Qual	Dibenzo(a,h) anthracene ARAR = 2 mg/kg Result (mg/kg)	Qual
1.1		0.53	J
1.8		0.2	
0.0087		0.0051	
0.0091		0.0036	U
2.3		***2.1***	
2.8		0.44	J
3.2		***3.1***	
4.2		0.72	
0.076		0.062	
0.089		0.0093	J
0.012	J	0.0088	J
0.012	J	0.017	U
0.31		0.33	
0.49		0.046	
0.24		0.27	
0.42		0.04	
0.04		0.019	U
0.034		0.019	U
0.026		0.018	U
0.022		0.018	U
0.2		0.16	
0.2		0.037	
0.0051		0.0088	
0.0048		0.00093	J
0.0039	U	0.0039	U
0.0039	U	0.0039	U
0.076		0.083	
0.085		0.021	
0.086		0.093	
0.086		0.024	
0.14		0.14	
0.27		0.032	
4.2		***2.9***	
3.1		0.55	J
3.9		***2.9***	
3.2		0.58	J
0.013	J	0.0094	J
0.015	J	0.019	U
15		***12***	
14		1.7	J
0.084		0.084	
0.12		0.019	
0.022		0.022	
0.022		0.018	U
0.5		0.43	
0.62		0.076	
0.11		0.11	
0.15		0.02	
4.8		***4.4***	
5.9		0.8	J
1		0.96	
1.1		0.11	
0.049		0.03	
0.045		0.0043	J
0.4	J+	0.28	
0.38		0.024	
0.3		0.26	
0.39		0.051	
0.41		0.28	
0.62		0.092	
0.72		0.65	
0.88		0.094	
0.0036	U	0.0036	U
0.0036	U	0.0036	U
0.028		0.028	
0.1		0.021	
0.013	J	0.0093	J
0.011	J	0.018	U
0.068	J+	0.076	J+
0.13	J+	0.021	J+
0.074	J+	0.047	J+
0.04	J+	0.01	J
0.07		0.018	U
0.11		0.018	U
0.37		0.4	
0.52	J	0.076	J
0.081	J	0.085	J
0.084	J	0.0097	J
0.53		0.52	
1.1		0.11	
1		0.91	
1.1		0.14	
0.11		0.12	
0.14		0.075	J
0.21	U	0.0041	U
0.21	U	0.0041	U
0.011		0.018	
0.014		0.0034	J
1.1		0.84	
1.2		0.2	
0.0039	U	0.0039	U
0.0039	U	0.0039	U
0.41		0.35	
0.53		0.076	
0.0036	U	0.0036	U
0.00039	J	0.0036	U
0.0037	U	0.0037	U
0.0037	U	0.0037	U
0.075		0.052	
0.065		0.0081	J
0.012	J	0.0079	J
0.0099	J	0.02	U
0.26		0.31	
0.45		0.089	
0.28		0.33	
0.43		0.074	
0.34		0.36	
0.54		0.085	
0.18		0.21	
0.27		0.041	
0.25		0.3	
0.31		0.085	
0.061		0.054	
0.048		0.011	
0.55		0.44	
0.57		0.11	
3.9		***4***	
4.4		1	
0.91		0.94	
1.4		0.27	
0.79		0.82	
1.2		0.18	
4.6		***3.8***	
5.1		0.77	J
5.1		***4.1***	
5.6		0.82	J
3.6		***3.8***	
4.8		0.71	
0.094		0.089	
0.13		0.018	
0.031		0.027	
0.06		0.012	J
0.27		0.22	
0.32	J	0.048	
0.17		0.16	
0.23		0.03	
0.16		0.14	
0.19		0.025	
0.045		0.034	
0.045		0.021	U
4.3		***4.1***	
5.9		0.91	J
3.2		***2.3***	
3.2		0.51	
0.55	J	0.49	J
0.58	J	0.29	J
0.64	J	0.5	J
0.65	J	0.24	J
5		***4.6***	
6.3		0.81	
2.7		***2.4***	
3.6		0.39	
3		***3.5***	
4.8		0.82	J
0.37		0.41	
0.58		0.11	J

TABLE 3-5A
SUMMARY OF RI SOIL SAMPLE ARAR/PRG EXCEEDANCES
RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE
NEWARK, NEW JERSEY

Total PCBs		VOCs				
Total PCBs		Benzene		Naphthalene		Vinyl Chloride	
ARAR = 1 mg/kg		ARAR = 5 mg/kg		ARAR = 17 mg/kg		ARAR = 2 mg/kg	
Result (mg/kg)	Qual	Result (mg/kg)	Qual	Result (mg/kg)	Qual	Result (mg/kg)	Qual
0.039	U	2		5.3		0.36	U
0.036	U	0.005	U	0.58		0.005	U
0.036	U	0.29	U	0.93	U	0.0055	U
0.051	J	0.0048	J	0.24	J	0.0055	U
0.037	U	0.0047	U	0.19	U	0.0047	U
0.035	U	0.0048	U	0.18	U	0.0048	U
0.029	J	0.42	U	0.15	J	0.0071	U
0.026	J	0.52	U	0.097	J	0.0093	U
0.038	U	0.0061	U	0.27		0.0061	U
0.029	J	0.23	U	0.19	U	0.23	U
0.0033	J	0.0044	U	0.2	U	0.0044	U
0.036	U	0.0044	U	0.0036	U	0.0044	U
0.037	U	0.004	U	0.0039	U	0.004	U
0.014	J	0.0048	U	0.0093		0.0048	U
0.22	J	0.0013	J	0.2	U	0.0042	U
0.039	U	0.0038	U	0.2	U	0.0038	U
0.049		0.0036	J	0.14	J	0.0049	UJ
0.024	J	0.00067	J	0.17	J	0.0038	U
0.037	U	0.0059	U	0.19	U	0.0059	U
0.036	U	0.0052	U	7.4		0.0052	U
0.088	J	0.36		0.19	U	0.005	U
0.036	U	0.01		0.19	U	0.0042	U
0.184	J	0.0044	U	0.19	U	0.0044	U
0.041	J	0.25	U	0.19	U	0.25	U
3.5	***J***	0.0056	UJ	0.49	J	0.0056	U
0.27	J	0.0059	U	0.22	U	0.0059	U
0.042	U	0.0054	U	0.22	U	0.0054	U
0.039	U	0.0043	U	0.2	U	0.0043	U
0.038	U	0.0055	U	0.2	U	0.0055	U
0.038	U	0.28	U	0.33		0.0065	U
0.035	U	0.0052	U	0.051	J	0.0052	U
0.036	U	0.0048	U	0.18	U	0.0048	U
0.21	J	0.0058	U	0.19	U	0.0058	U
0.037	UJ	0.0047	U	0.19	U	0.0047	U
0.037	U	0.34	U	0.29		0.34	U
0.036	U	0.25	U	2.1		0.0049	U
0.15	J	0.0051	U	1.8	U	0.0051	U
0.039	U	0.0046	U	0.2	U	0.0046	U
0.038	U	0.0054	U	0.2	U	0.0054	U
0.036	U	0.0053	U	0.18	U	0.0053	U
0.038	U	0.0046	U	0.2	U	0.0046	U
0.21		0.029	J+	0.031	J	NR	
0.041	U	0.0046	U	0.0041	U	0.0046	U
0.0089	J	0.0068	U	0.22	U	0.0068	U
0.43		0.0045	U	0.071	J	0.0045	U
0.04	U	0.0052	U	0.0039	U	0.0052	U
0.46		0.0046	U	0.014	J	0.0046	U
0.037	U	0.0046	U	0.0028	J	0.0046	U
0.038	U	0.0052	U	0.0021	J	0.0052	U
0.04	U	0.0051	U	0.21	U	0.0051	U
0.039	U	0.0055	UJ	0.2	U	0.0055	U
0.12	J	0.0048	U	0.088	J	0.0048	U
0.036	U	0.0044	U	0.18	U	0.0044	U
0.075	J	0.0045	U	0.18	U	0.0045	U
0.037	U	0.33	U	0.19	U	0.33	U
0.018	J	0.004	J	0.048		0.0053	U
0.055	U	0.0072	U	0.0022	J	0.0072	U
0.014	J	0.0036	J	0.011	J	0.0047	U
0.038	U	0.0068	UJ	0.021	J	0.0068	U
0.0037	J	0.0044	U	0.077	U	0.0044	U
0.1	J	NR		0.044	J	0.0049	UJ
0.039	U	0.0055	U	0.79	J	0.0055	U
0.039	U	0.0058	U	0.85	J	0.0058	U
0.1	J	0.0052	U	0.36	U	0.0052	U
0.099	J	0.31	U	0.37	U	0.0054	U
0.02	J	0.0093	UJ	0.2	U	0.0093	U
0.015	J	0.016	J+	0.12	J	0.0067	U
0.021	J	0.0081		0.049	J	0.0054	U
0.015	J	0.0055	U	0.091	J	0.0055	U
0.042	U	0.0077	U	0.22	U	0.0077	U
0.059		0.006	U	0.95	U	0.006	U
0.164	J	0.007	U	0.11	J	0.007	U
0.074		NR		***68***		NR	
0.089		0.55	U	***53***		0.55	U
0.189	J	0.0054	U	0.058	J	0.0054	U
0.157	J	0.005	J	0.059	J	0.0056	U
0.19	J	0.0078	U	0.3	J	0.0078	U
0.029	J	0.0072	U	0.4		0.0072	U

TABLE 3-5A
SUMMARY OF RI SOIL SAMPLE ARAR/PRG EXCEEDANCES
RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE
NEWARK, NEW JERSEY

63	B-31	31	B-31(1-2)_101817	10/18/2017	1 - 2	Primary	***35.6***	151	***3880***
63	B-31	31	B-31(5-5.5)_101817	10/18/2017	5 - 5.5	Primary	***31.4***	203	***3980***

0.51	0.45	0.64	0.058
5.5	***4***	5.8	0.67

0.04 U	0.024	0.28	0.0065 U
0.042 U	0.0066 J	0.33	0.0071 U

TABLE 3-5A
SUMMARY OF RI SOIL SAMPLE ARAR/PRG EXCEEDANCES
RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE
NEWARK, NEW JERSEY

63	B-32	32	B-32(1-2)_100417	10/4/2017	1 - 2	Primary		***24.9***	109	***1690***
63	B-32	32	B-32(2-4)_100417	10/4/2017	2 - 4	Primary		***36.5***	132	***4540***
63	B-33	33	B-33(0.5-1.5)_100417	10/4/2017	0.5 - 1.5	Primary		4.5	***1040***	***911***
63	B-33	33	B-33(3.5-4.5)_100417	10/4/2017	3.5 - 4.5	Primary		11.7	117	***1210***
63	B-85	85	B-85(0-0.5)_121218	12/12/2018	0 - 0.5	Primary		2.7 J+	66.4	***905***
63	B-85	85	B-85(2.5-3.5)_121218	12/12/2018	2.5 - 3.5	Primary		14.6	153	668
63	B-87	87	B-87(0-1)_121318	12/13/2018	0 - 1	Primary		18.9	154	***2370***
63	B-87	87	B-87(1-3)_121318	12/13/2018	1 - 3	Primary		***34.8***	245	***3910***
63	B-87	87	DUP-2_121318	12/13/2018	1 - 3	Duplicate	B-87(1-3)_121318	***23.6***	176	***3400***
64	B-34	34	B-34(0-1)_100617	10/6/2017	0 - 1	Primary		4.7	63	287
64	B-34	34	B-34(5-5.5)_100617	10/6/2017	5 - 5.5	Primary		4.8	54.1	311
64	B-35	35	B-35(1-2)_100417	10/4/2017	1 - 2	Primary		8.5	34.3	218
64	B-35	35	B-35(2-3.8)_100417	10/4/2017	2 - 3.8	Primary		***20.9***	240	504
64	B-36	36	B-36(0-1)_100417	10/4/2017	0 - 1	Primary		3	67.6	182
64	B-36	36	B-36(3-3.7)_100417	10/4/2017	3 - 3.7	Primary		8	85.4	157
64	B-37	37	B-37(0-1)_100417	10/4/2017	0 - 1	Primary		1.8	42	92.5
64	B-37	37	B-37(1-3)_100417	10/4/2017	1 - 3	Primary		1.9	39.4	71.9
64	B-38	38	B-38(0-1)_100917	10/9/2017	0 - 1	Primary		3.6	46.6	794
64	B-38	38	DUP-4_101017	10/9/2017	0 - 1	Duplicate	B-38(0-1)_100917	3.2	42	514
64	B-38	38	B-38(1-3)_100917	10/9/2017	1 - 3	Primary		2.4	19.2	18.1
64	B-38	38	B-38(FILL)_100917	10/9/2017	-3 - 0	Primary		8.7	121	***828***
64	B-41	41	B-41(0-1)_092617	9/26/2017	0 - 1	Primary		7.2	134	***829***
64	B-41	41	B-41(5-7)_092717	9/27/2017	5 - 7	Primary		2.2	19.8	240
64	B-42	42	B-42(0.3-1.3)_100217	10/2/2017	0.3 - 1.3	Primary		4.1	46.6	314
64	B-42	42	B-42(7-9)_100217	10/2/2017	7 - 9	Primary		11.5	255	585
64	B-69	69	B-69(0-1)_092717	9/27/2017	0 - 1	Primary		2.7	56.3	153
64	B-69	69	B-69(1-3)_092717	9/27/2017	1 - 3	Primary		3	58	167
64	B-70	70	B-70(0-1)_092717	9/27/2017	0 - 1	Primary		2.4	80.4	210
64	B-70	70	B-70(5-7)_092717	9/27/2017	5 - 7	Primary		***23***	223	***3020***
64	B-74	74	B-74(0-1)_100417	10/4/2017	0 - 1	Primary		1.3	82.1	123
64	B-74	74	B-74(3-4)_100417	10/4/2017	3 - 4	Primary		10.2	102	***3080***
64	B-75	75	B-75(0-1)_092917	9/29/2017	0 - 1	Primary		1.1	70.1	76.3
64	B-75	75	B-75(1-3)_092917	9/29/2017	1 - 3	Primary		7.1	162	***8690***
64	B-86	86	B-86(0.3-1.3)_121118	12/11/2018	0.3 - 1.3	Primary		4.5 J+	65.3	400
64	B-86	86	B-86(1.3-3.3)_121118	12/11/2018	1.3 - 3.3	Primary		8.3 J+	158	***1190***
64	B-88	88	B-88(0-1)_121318	12/13/2018	0 - 1	Primary		5.2	127	472
64	B-88	88	B-88(11-13)_121318	12/13/2018	11 - 13	Primary		8.7	80.7	122
64	B-88	88	B-88(1-3)_121318	12/13/2018	1 - 3	Primary		7.1	182	200
64	B-89	89	B-89(0-1)_121318	12/13/2018	0 - 1	Primary		4.5	64.5	168
64	B-89	89	B-89(1-3)_121318	12/13/2018	1 - 3	Primary		5.4	78.9	220
64	B-90	90	B-90(0-1)_121218	12/12/2018	0 - 1	Primary		2.9 J+	35.9	373
64	B-90	90	B-90(11-13)_121218	12/12/2018	11 - 13	Primary		7.9 J+	88.5	280
64	B-90	90	B-90(1-2.2)_121218	12/12/2018	1.2 - 2	Primary		4.5 J+	41.2	***1170***
64	B-91	91	B-91(0-1)_121518	12/15/2018	0 - 1	Primary		4 J	62.8	439
64	B-91	91	B-91(11-13)_121518	12/15/2018	11 - 13	Primary		2.1 J	18.5	18.6
64	B-91	91	B-91(1-3)_121518	12/15/2018	1 - 3	Primary		2.8 J	62.6	148
64	B-92	92	B-92(0-1)_121218	12/12/2018	0 - 1	Primary		2.8	65	173
64	B-92	92	B-92(1-2.5)_121218	12/12/2018	1 - 2.5	Primary		6.1	93.9	441
64	B-94	94	B-94(0-1)_121318	12/13/2018	0 - 1	Primary		2.2	55.7	97.1
64	B-94	94	B-94(1-3)_121318	12/13/2018	1 - 3	Primary		10.8	215	***850***
65	B-39	39	B-39(0.5-1.5)_100317	10/3/2017	0.5 - 1.5	Primary		8.3 J	132	317
65	B-39	39	B-39(5-7)_100317	10/3/2017	5 - 7	Primary		5.8 J	133	216
65	B-40	40	B-40(0-1)_092617	9/26/2017	0 - 1	Primary		3.1	104	295
65	B-40	40	B-40(5-7)_092717	9/27/2017	5 - 7	Primary		7.5	68.6	270
65	B-43	43	B-43(0-1)_092617	9/26/2017	0 - 1	Primary		2.8	70.5	***895***
65	B-43	43	B-43(5-7)_092617	9/26/2017	5 - 7	Primary		10	97.6	445
65	B-76	76	B-76(0-1)_102317	10/23/2017	0 - 1	Primary		7.7	225	662
65	B-76	76	B-76(1-3)_102317	10/23/2017	1 - 3	Primary		4.1	132	358
65	B-76	76	DUP-7_102317	10/23/2017	1 - 3	Duplicate	B-76(1-3)_102317	5.2	172	374
66	B-44	44	B-44(0-1)_100217	10/2/2017	0 - 1	Primary		3.8	48.4	174
66	B-44	44	B-44(5-5.5)_100217	10/2/2017	5 - 5.5	Primary		5.3	88.8	323
66	B-78	78	B-78(0.5-1.5)_102517	10/25/2017	0.5 - 1.5	Primary		3.7	65.4	166
66	B-78	78	B-78(5-7)_102517	10/25/2017	5 - 7	Primary		10.1	102	470
66	B-84	84	B-84(11-13)_121218	12/12/2018	11 - 13	Primary		10.5 J+	190	236
66	B-84	84	B-84(1-2)_121218	12/12/2018	1 - 2	Primary		1.7 J+	29.8	46.2
66	B-84	84	B-84(2-4)_121218	12/12/2018	2 - 4	Primary		2 J+	20.4	29.7
67	B-51	51	B-51(1-2)_092817	9/28/2017	1 - 2	Primary		4.5	61.3	159
67	B-51	51	B-51(5-7)_092817	9/28/2017	5 - 7	Primary		2.8	28	215
67	B-52	52	B-52(0-1)_102317	10/23/2017	0 - 1	Primary		5	174	528
67	B-52	52	B-52(1-3)_102317	10/23/2017	1 - 3	Primary		15.1	201	***813***
67	B-53	53	B-53(0-1)_092817	9/28/2017	0 - 1	Primary		7.3	426	297
67	B-53	53	B-53(1-3)_092817	9/28/2017	1 - 3	Primary		16.5	118	***803***
67	B-54	54	B-54(1-2)_092817	9/28/2017	1 - 2	Primary		10.2	112	484
67	B-54	54	B-54(7-8)_092817	9/28/2017	7 - 8	Primary		***19.8***	215	471
67	B-55	55	B-55(0.5-1.5)_100317	10/3/2017	0.5 - 1.5	Primary		10.9	132	241
67	B-55	55	B-55(3.5-5)_100317	10/3/2017	3.5 - 5	Primary		10.8	111	450
67	B-81	81	B-81(0.3-1.3)_121218	12/12/2018	0.3 - 1.3	Primary		1.5 J	37.2	103
67	B-81	81	B-81(5-7)_121218	12/12/2018	5 - 7	Primary		3.2 J+	60.4	180
68	B-56	56	B-56(1-2)_092717	9/27/2017	1 - 2	Primary		6.8	116	384
68	B-56	56	B-56(2-4)_092717	9/27/2017	2 - 4	Primary		13.4	254	***838***

TABLE 3-5A
SUMMARY OF RI SOIL SAMPLE ARAR/PRG EXCEEDANCES
RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE
NEWARK, NEW JERSEY

0.75	0.91	1.3	0.19
1.4	***2.2***	2.6	0.4
0.35	0.34	0.47	0.088
0.41	0.42	0.58	0.094
0.22	0.22	0.28	0.098 J
34	***28***	***29***	***5***
0.77	0.74	0.69	0.15
0.44 J	0.35	0.38	0.095
0.64 J	0.53	0.56	0.13
0.29	0.32	0.42	0.068
0.24	0.24	0.28	0.048
0.084	0.092	0.13	0.021
0.18	0.12	0.13	0.022
0.25	0.27	0.4	0.056
0.0044 J	0.0029 J	0.0054	0.0047 U
0.72	0.82	1.1	0.18
0.95	0.89 J	1.2	0.16
0.72 J	0.66 J	0.85 J	0.11 J
0.028 J	0.034 J	0.052 J	0.0097 J
0.008	0.0038 J	0.0063	0.0042 U
4.8	***4.3***	5.8	0.91 J
2.6	***2.4***	3.3	0.5 J
0.07	0.059	0.083	0.0098
0.11	0.14	0.39 J	0.06
1.9	1.6	2	0.31
0.21	0.2	0.28	0.04
0.25	0.23	0.35	0.056
0.12	0.1	0.16	0.025
2	1.6	2.3	0.3 J
0.46 J	0.5 J	0.71 J	0.12
0.025	0.035	0.05	0.019 U
0.12	0.12	0.18	0.03
0.0042 U	0.0042 U	0.0042 U	0.0042 U
7.5	***5.3***	5.4	1.3 J
7.9	***6***	7	1.6
0.7	0.78	1	0.22
0.59	0.58	0.55	0.079 J
0.19	0.13	0.39	0.06 J
0.36	0.34	0.42	0.1
0.062	0.072	0.099	0.034 J
0.71	0.65	0.65	0.28 J
0.17	0.17	0.14	0.036 J
0.4	0.32	0.37	0.17 J
1.4	1.4	1.3	0.33
0.077	0.078	0.077	0.015
5.1	***4.2***	4.3	1.1
0.42	0.51	0.45	0.14
1.2	0.88	1.2	0.31 J
0.84	0.84	1.2	0.2
0.26	0.27	0.32	0.075
0.26	0.23	0.27	0.038
0.023	0.026	0.031	0.0039 U
0.57 J	0.33 J	0.93 J	0.14
0.06	0.055	0.089	0.011
0.096	0.075	0.11	0.017
1.3	1.2	1.6	0.27
2.1	1.8	2.4	0.23
0.32 J	0.37 J	0.47 J	0.077 J
0.85 J	1.6 J	2.2 J	0.37
0.51 J	0.53 J	0.7 J	0.095
2.6	***2.2***	2.8	0.42 J
0.52	0.44	0.6	0.056
1.7	1.5	1.9	0.2
0.83	0.75	0.6	0.13 J
0.24	0.22	0.24	0.058
2.5	1.7	2.4	0.71 J
0.27	0.21	0.31	0.079
0.46	0.37	0.47	0.086
0.58 J	0.54 J	0.77 J	0.069
0.74	0.68	0.9	0.078
2.8	***2.6***	3.6	0.53
16	***13***	17	***2.2***
16	***13***	16	2
0.86	0.66	0.87	0.13
2.3	***2.1***	2.5	0.42 J
0.78	0.75	1	0.14
0.39	0.36	0.36	0.094
2.3	1.5	2.4	0.63 J
0.36	0.37	0.52	0.1
0.067	0.054	0.077	0.0098

TABLE 3-5A
SUMMARY OF RI SOIL SAMPLE ARAR/PRG EXCEEDANCES
RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE
NEWARK, NEW JERSEY

0.068 J	0.0072 UJ	0.094 J	0.0072 U
0.041 UJ	0.0066 UJ	0.34	0.0066 U
0.23 J	0.0046 U	0.063 J	0.0046 U
0.04 U	0.006 J+	0.085 J	0.0058 U
0.11 J	0.006 U	0.0092 J	0.006 U
0.044 U	0.42 U	0.27 J	0.42 U
0.018 J	0.0036 J	0.17	0.0077 UJ
0.082	0.0036 J	0.14	0.0082 UJ
0.097	0.15 J	0.15	0.48 UJ
0.045 J	0.17 J	0.3	0.0054 U
0.036 U	2.6 U	1.1	2.6 U
0.011 J	***16***	0.19	0.0086 U
0.36 J	***7.9***	2.5	0.44 U
0.16	0.0043 U	0.2	0.0043 U
0.018 J	0.5 U	0.65	0.5 U
0.13 J	0.0084 J+	0.18 U	0.005 U
0.045 J	0.0049 UJ	0.93 U	0.0049 U
0.42 J	0.28 U	0.95 U	0.28 U
0.26 J	0.26 U	0.19 U	0.26 U
0.042 U	0.005 U	0.21 U	0.005 U
3.7 J	0.0054 U	0.22 J	0.0054 U
1.4	0.0052 U	0.93 U	0.0052 U
0.036 U	0.0042 U	0.19 U	0.0042 U
0.194 J	0.0053 U	0.94 U	0.0053 U
0.049 UJ	0.0075 U	0.054 J	0.0075 U
0.04 J	0.0043 U	0.18 U	0.0043 U
0.56 J	0.0041 UJ	0.053 J	0.0041 U
0.157 J	0.005 U	0.18 U	0.005 UJ
0.04 U	0.038	1 U	0.0051 U
0.26 J	0.004 U	0.86 U	0.004 U
0.038 U	***68***	0.2 U	0.39 U
0.093 J	0.0045 U	0.18 U	0.0045 U
0.015 J	0.48 U	0.21 U	0.48 U
0.036 J	0.0052 UJ	1.1	0.0052 UJ
0.042 U	0.0064 UJ	0.35 J	0.0064 UJ
0.28	0.0019 J	0.19	0.0048 UJ
0.045 U	0.0033 J	0.064 J	0.0079 UJ
0.016 J	0.27 J	0.11	0.3 UJ
0.15	0.0018 J	0.011 J	0.0051 U
0.072	0.12 J	0.41	0.34 U
0.075 J	0.0049 U	0.017 J	0.0049 U
0.051 U	0.53 U	0.069	0.53 U
0.071	0.0061 U	0.039 J	0.0061 U
1.4	0.0046 U	0.058 J	0.0046 U
0.047 U	0.0017 J	0.019	0.0058 U
0.53	0.00064 J	0.27 J	0.0044 U
0.45	0.016 J	0.019 J	0.0042 UJ
0.47	0.005 UJ	0.044 J	0.0048 UJ
0.11	0.0045 U	0.18 U	0.0045 U
0.22	0.41 J	0.11	0.48 U
0.154	0.0049 U	0.2 U	0.0049 U
0.037 J	0.0058 U	0.2 U	0.0058 U
3.1 J	0.0065 U	1 U	0.0065 U
0.036 J-	0.0061 U	0.22 U	0.0061 U
0.046 J	0.0039 U	0.061 J	0.0039 UJ
0.145 J	0.0047 U	0.73	0.0047 U
0.037 U	0.0063 U	0.068 J	0.0063 U
0.037 U	0.0052 U	0.19 U	0.0052 U
0.042 U	0.0063 U	0.076 J	0.0063 U
0.036 U	0.0047 U	0.94 U	0.0047 U
0.21 J	0.0079 J+	1.5	0.0054 U
0.038 U	0.0047 U	0.2 U	0.0047 U
0.05 U	0.007 U	0.32 J	0.007 U
0.05 U	0.0047 U	0.04 J	0.0047 U
0.0073 J	0.005 UJ	0.011 J	0.005 U
0.036 U	0.0049 U	0.22 J	0.0049 U
0.153 J	0.0042 UJ	0.26	0.0042 U
0.04 U	0.0059 U	0.24	0.0059 U
5 J	0.0057 U	0.53 J	0.0057 U
0.44 J	0.0077 U	0.13 J	0.0077 U
0.193	0.0056 U	0.049 J	0.0056 U
0.039 U	0.0058 U	3.9	0.0058 U
0.037 U	0.0045 U	3.3	0.0045 U
0.049 UJ	0.0093 U	0.25 U	0.0093 U
0.024 J	NR	0.93 U	0.0049 UJ
0.04 U	0.0055 U	0.12 J	0.0055 U
0.81 J	0.25 U	0.078	0.25 U
0.091 J-	0.0047 U	0.24 J	0.0047 U
0.183	0.0057 UJ	0.16 J	0.1
0.1 J	0.005 U	0.21 U	***2.9***

TABLE 3-5A
SUMMARY OF RI SOIL SAMPLE ARAR/PRG EXCEEDANCES
RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE
NEWARK, NEW JERSEY

68	B-57	57	B-57(1-2)_100317	10/3/2017	1 - 2	Primary		15.9	168	***1060***
68	B-57	57	B-57(2-4)_100317	10/3/2017	2 - 4	Primary		17.2	***590***	798
68	B-58	58	B-58(1-2)_092717	9/27/2017	1 - 2	Primary		***26***	***543***	753
68	B-58	58	B-58(6-8)_092717	9/27/2017	6 - 8	Primary		3.9	469	50.7
68	B-59	59	B-59(12-13.5)_100317	10/3/2017	9 - 10.5	Primary		1.9 J	25.2	34.9
68	B-59	59	B-59(5-7)_100317	10/3/2017	2 - 4	Primary		12.5 J	152	***1770***
68	B-59	59	DUP-2_100317	10/3/2017	2 - 4	Duplicate	B-59(5-7)_100317	13.6	120	***2530***
68	B-59	59	B-59(FILL)_100317	10/3/2017	-3 - 0	Primary		6 J	74.4	288
68	B-60	60	B-60(0-1)_092617	9/26/2017	0 - 1	Primary		5.2	58.7	299
68	B-60	60	B-60(5-7)_092617	9/26/2017	5 - 7	Primary		7.5	278	***1180***
68	B-60	60	B-60(FILL)_092617	9/26/2017	-4 - 0	Primary		***19.8***	145	***2550***
68	B-77	77	B-77(0-1)_092817	9/28/2017	0 - 1	Primary		4.2	57.2	152
68	B-77	77	B-77(1-3)_092817	9/28/2017	1 - 3	Primary		7.6	105	424
68	B-77	77	DUP-1_092817	9/28/2017	1 - 3	Duplicate	B-77(1-3)_092817	8.1	92.2	483
68	B-80	80	B-80(0.3-1.3)_121218	12/12/2018	0.3 - 1.3	Primary		5.1 J+	72.6	353
68	B-80	80	B-80(1.3-3.3)_121218	12/12/2018	1.3 - 3.3	Primary		12.1 J+	317	709
68	B-82	82	B-82(11-13)_121118	12/11/2018	11 - 13	Primary		3.8 J+	13.8	17.5
68	B-82	82	B-82(1-2)_121118	12/11/2018	1 - 2	Primary		16.1 J+	27.3	137
68	B-82	82	B-82(5-7)_121118	12/11/2018	5 - 7	Primary		9.7 J+	259	450
68	B-83	83	B-83(0.3-1.3)_121118	12/11/2018	0.3 - 1.3	Primary		5.6 J	70.3	798 J
68	B-83	83	B-83(1.3-3.3)_121118	12/11/2018	1.3 - 3.3	Primary		9.3	85.4	414
68	B-83	83	DUP-1_121118	12/11/2018	1.3 - 3.3	Duplicate	B-83(1.3-3.3)_121118	7.4 J+	77.4	604
69	B-61	61	B-61(0-1)_101117	10/11/2017	0 - 1	Primary		5.4	47.9	333
69	B-61	61	B-61(5-6)_101117	10/11/2017	5 - 6	Primary		2.2	13.4	43.7
69	B-62	62	B-62(0-1)_101117	10/11/2017	0 - 1	Primary		3.2	55.3	215
69	B-62	62	B-62(5-5.5)_101117	10/11/2017	5 - 5.5	Primary		3.8	41.4	143
69	B-63	63	B-63(0-1)_101117	10/11/2017	0 - 1	Primary		3.2	83.2	440
69	B-63	63	B-63(1-3)_101117	10/11/2017	1 - 3	Primary		2.6	31.6	126
69	B-101	101	B-101(0-1)_121418	12/14/2018	0 - 1	Primary		4.9 J	363	***849***
69	B-101	101	B-101(11-13)_121418	12/14/2018	11 - 13	Primary		0.62 J	15	6.4
69	B-101	101	B-101(5-6)_121418	12/14/2018	5 - 6	Primary		2.3 J	26.8	52.7
69	B-102	102	B-102(0-1)_121418	12/14/2018	0 - 1	Primary		5.6 J	69.9	264
69	B-102	102	B-102(1-2.9)_121418	12/14/2018	1 - 2.9	Primary		4.2	120	174
70	B-19	19	B-19(0-1)_101117	10/11/2017	0 - 1	Primary		15.2	170	622
70	B-19	19	B-19(2-4)_101117	10/11/2017	2 - 4	Primary		6.9	58.7	***1190***
70	B-64	64	B-64(1.5-2.5)_101117	10/11/2017	1.5 - 2.5	Primary		8.2	84.5	***1080***
70	B-64	64	DUP-5_101117	10/11/2017	1.5 - 2.5	Duplicate	B-64(1.5-2.5)_101117	5.4	69	646
70	B-64	64	B-64(2.5-4.5)_101117	10/11/2017	2.5 - 4.5	Primary		5.7	88	***823***
70	B-65	65	B-65(0.5-1.5)_101317	10/13/2017	0.5 - 1.5	Primary		4.4	76	141
70	B-65	65	B-65(1.5-2.7)_101317	10/13/2017	1.5 - 2.7	Primary		5.7	66.6	***3540***
70	B-66	66	B-66(1.5-2.5)_101017	10/10/2017	1.5 - 2.5	Primary		3.2	74.4	391
70	B-66	66	B-66(2.5-4.5)_101017	10/10/2017	2.5 - 4.5	Primary		8.4	70	***841***
70	B-67	67	B-67(1.5-2.5)_101017	10/10/2017	1.5 - 2.5	Primary		1.4	47.8	48.8
70	B-67	67	B-67(2.5-3.8)_101017	10/10/2017	2.5 - 3.8	Primary		5.3	101	***2880***
70	B-100	100	B-100(11-13)_121418	12/14/2018	11 - 13	Primary		7.1 J	72.8	189
70	B-100	100	B-100(2.2-3.2)_121418	12/14/2018	2.2 - 3.2	Primary		4.3 J	107	598
70	B-100	100	B-100(3.2-4.2)_121418	12/14/2018	3.2 - 4.2	Primary		4.8 J	166	486

Notes:
ARAR = Applicable or Relevant and Appropriate Requirements.
PRG = Preliminary Remediation Goal
Detected result exceeds ARAR or PRG
Reporting Detection Limit exceeds ARAR or PRG
NR = Not reportable
J - Estimated Value, result >MDL and <RL
J+ - Estimated High
J- - Estimated Low
U - Not detected above the laboratory reporting limit
Total PCBs are calculated as the sum of detected Aroclor concentration. If all the Aroclors are reported as nondetected,
Only parameters that have a result greater than the selected ARAR/PRG and used in the soil and soil gas alternatives are

TABLE 3-5A
SUMMARY OF RI SOIL SAMPLE ARAR/PRG EXCEEDANCES
RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE
NEWARK, NEW JERSEY

1.2	1.2	1.5	0.24
0.03	0.035	0.053	0.005 U
0.19	0.17	0.29	0.037
0.0011 J	0.0039 U	0.0039 U	0.0039 U
0.045	0.026	0.031	0.0038 U
0.44 J	0.47 J	0.6 J	0.13
1.5 J	1.7 J	2.1 J	0.36 J
0.12	0.11	0.17	0.026
0.83	0.66	0.83	0.13
0.33	0.3	0.42	0.074
1.4	1.3	1.7	0.28
2	1.6	2	0.26
0.39 J	0.33	0.43 J	0.054
0.69 J	0.55	0.77 J	0.11 J
1	0.81	1.1	0.28 J
0.46	0.65	0.85	0.17
0.27 U	0.0039 J	0.27 U	0.00055 J
1.2	0.92	1.1	0.22
0.063	0.061	0.086	0.023
1.4	1.1	1.2	0.28
0.71 J	1.1 J	1.3 J	0.28 J
1.3 J	1.4 J	1.7 J	0.4 J
0.15	0.12	0.2	0.02
0.6	0.56	0.82	0.065
0.58	0.57	0.8	0.065
0.14	0.11	0.21	0.019
1	1.1	1.6	0.2
8.9	***7.3***	9.7	1.2
0.097	0.087	0.062	0.012 J
0.0012 J	0.0013 J	0.001 J	0.0038 U
0.027	0.036 J	0.027	0.0076 J
0.26	0.23	0.31	0.061
0.33	0.29	0.4	0.065
0.37	0.41	0.61	0.057
0.094	0.084	0.13	0.017 J
0.56 J	0.54 J	0.74 J	0.08
0.97 J	0.91 J	1.3 J	0.19
0.13	0.2	0.31	0.036
0.071	0.077	0.14	0.017 J
0.12	0.15	0.22	0.026
0.44	0.6	0.8	0.099
0.5	0.56	0.76	0.1
0.25	0.23	0.32 J	0.044
0.46	0.32	0.55	0.048
6.8	***3.5***	6.2	1.3 J
0.093	0.059	0.13	0.032
0.19	0.16	0.21	0.047

0.01 J	0.0049 U	0.4 U	0.0049 U
0.05 U	0.0076 U	0.26 U	0.0076 U
0.038 U	0.18 J	0.3	0.36 U
0.039 U	0.0043 U	0.2 U	0.0043 U
0.038 U	0.0046 U	0.2 U	0.0046 U
0.027 J	0.0058 U	0.19 U	0.0058 U
0.036 U	0.006 U	0.37 U	0.006 U
0.13 J	0.0047 U	0.18 U	0.0047 U
0.035 U	0.0043 U	0.058 J	0.0043 U
0.024 J	0.005 U	0.044 J	0.005 U
0.036 U	0.0043 U	0.14 J	0.0043 U
0.019 J	0.0048 U	0.18 U	0.0048 U
0.034 U	0.0073 U	0.18 U	0.0073 U
0.035 U	0.0054 U	0.18 U	0.0054 U
0.22	0.47 J	0.093 J	1.7 U
0.011 J	0.0059 U	0.095	0.0059 U
0.051 U	0.0075 UJ	0.0013 J	0.0075 UJ
0.15 J-	2 UJ	0.039 J	2 UJ
0.013 J	0.0057 UJ	0.0066 J	0.074 J
0.17 J	0.39 U	0.23	0.39 U
0.21	0.092 J	0.12 J	NR
0.22	0.013 J	0.21 J	0.0071 UJ
0.77	0.0053 U	0.077 J	0.0053 U
0.036 U	0.0044 U	0.19 U	0.0044 U
0.22 J	0.0049 U	0.18 U	0.0049 U
0.038 U	0.0072 U	0.14 J	0.0072 U
0.11 J	0.0065 U	0.18 U	0.0065 U
0.11	0.0047 U	0.64 J	0.0047 U
0.0077 J	0.0013 J	0.029	0.0058 U
0.038 U	0.0043 U	0.2 U	0.0043 U
0.0053 J	0.0045 U	0.33	0.0045 U
0.29	0.0045 U	0.2 U	0.0045 U
0.0066 J	0.0044 U	0.055 U	0.0044 U
0.038 U	0.0059 U	0.19 U	0.0056 U
0.19	0.0051 U	0.19 U	0.0051 U
0.3 J	0.0053 U	0.19 U	0.0051 U
0.67 J	0.0049 U	0.19 U	0.0049 U
0.19 J	0.0057 UJ	0.19 U	0.0057 U
0.037 U	0.0057 U	0.19 U	0.0057 U
2.2	0.0053 U	0.19 U	0.0053 U
0.086 J	0.0055 U	0.18 U	0.0055 U
0.059 J	0.0096 J+	0.048 J	0.0068 U
0.067 J	0.0056 U	0.92 U	0.0056 U
10 J	0.13 J	5.4	0.39 U
0.052 U	0.0066 U	0.44 J	0.0066 U
2	0.027 J+	0.061	0.4 U
0.65	0.0048 UJ	0.031	0.0048 U

TABLE 3-5B
SUMMARY OF HISTORIC SOIL SAMPLE ARAR/PRG EXCEEDANCES
RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE
NEWARK, NEW JERSEY

							Metals					
							Arsenic		Copper		Lead	
							ARAR = 19 mg/kg		PRG = 526 mg/kg		PRG = 800 mg/kg	
Lot	Location	Sample ID	Sample Date	Depth Interval (ft bgs)	Sample Type	Parent Sample ID	Result	Qual	Result	Qual	Result	Qual
1	BE-1_1	BE-1 (7.5-8)	9/14/2010	7.5 - 8	Primary		***23***		60		***1100***	
1	BE-2_1	BE-2 (4.5-5)	9/14/2010	4.5 - 5	Primary		2.2		29		69	
1	BE-3_1	BE-3 (7.5-8)	9/14/2010	7.5 - 8	Primary							
1	SB-3_1	SB-3 (2.5-3)	7/30/2008	2.5 - 3	Primary		4.77		76.2		***1370***	
58	S-1_58	S-1	10/6/2009	Less than 14 feet	Primary				ND		24	
58	S-10_58	S-10A	10/6/2009	Less than 14 feet	Primary				65.5		300	
58	S-10_58	S-10B	10/6/2009	Less than 14 feet	Primary				8.5		ND	
58	S-2_58	S-2	10/6/2009	Less than 14 feet	Primary				5.9		ND	
58	S-3_58	S-3	10/6/2009	Less than 14 feet	Primary				8.4		3.5	
58	S-4_58	S-4A	10/6/2009	Less than 14 feet	Primary				188		***1820***	
58	S-4_58	S-4B	10/6/2009	Less than 14 feet	Primary				5.3		ND	
58	S-5_58	S-5	10/6/2009	Less than 14 feet	Primary				48.7		554	
58	S-6_58	S-6A	10/6/2009	Less than 14 feet	Primary				44.7		219	
58	S-6_58	S-6B	10/6/2009	Less than 14 feet	Primary				4.1		ND	
58	S-7_58	S-7	10/6/2009	Less than 14 feet	Primary				181		258	
58	S-8_58	S-8	10/6/2009	Less than 14 feet	Primary				21.3		74.5	
58	S-9_58	S-9	10/6/2009	Less than 14 feet	Primary				4.2		ND	
60	SB-FILL-1_60	SB-FILL-1 (5.5-6)	11/13/2008	5.5 - 6	Primary		13.2		150		126	
60	SB-FILL-2_60	SB-FILL-2 (5.5-6)	11/13/2008	5.5 - 6	Primary		4.46		35.5		14.8	
60	SB-FILL-3_60	SB-FILL-3 (6.5-7)	11/13/2008	6.5 - 7	Primary		1.83		12.9		12.1	
60	SB-FILL-4_60	SB-FILL-4 (5.5-6)	11/13/2008	5.5 - 6	Primary		2.24		12.4		47.4	
60	SB-PAD-1_60	SB-PAD-1 (6.5-7)	11/13/2008	6.5 - 7	Primary							
60	SB-PAD-2_60	SB-PAD-2 (6.5-7)	11/13/2008	6.5 - 7	Primary							
60	SB-PAD-3_60	SB-PAD-3 (6.5-7)	11/13/2008	6.5 - 7	Primary							
60	SB-PAD-4_60	SB-PAD-4 (6.5-7)	11/13/2008	6.5 - 7	Primary							
62	SB-4_62	SB-4 (5.5-6)	5/14/2008	5.5 - 6	Primary		9.62		75.3		153	
62	SB-5_62	SB-5 (5.5-6)	5/14/2008	5.5 - 6	Primary		***34.2***		206		239	
62	SB-6_62	SB-6 (6.5-7)	5/14/2008	6.5 - 7	Primary		10.3		64.9		653	
66	SB-1_66	SB-1 (4.5-5)	5/14/2008	4.5 - 5	Primary		6.9		35.3		126	
66	SB-2_66	SB-2 (4.5-5)	5/14/2008	4.5 - 5	Primary		2.09		18.6		100	
66	SB-3_66	SB-3 (4.5-5)	5/14/2008	4.5 - 5	Primary		8.34		178		***950***	
68	B-54_68	B-54 (0.5-1)	6/22/1994	0.5 - 1	Primary		17.8	J	45.1		182	
68	B-54_68	B-54 (1.5-2)	5/1/1995	1.5 - 2	Duplicate	B-54 (1.5-2)						
68	B-54_68	B-54 (1.5-2)	5/1/1995	1.5 - 2	Primary							
68	B-54_68	B-54 (1-1.5)	6/22/1994	1 - 1.5	Primary		9.4		25.5		317	
68	B-54_68	B-54 (5-5.5)	5/1/1995	5 - 5.5	Primary							
68	B-56_68	B-56 (1.5-2)	5/1/1995	1.5 - 2	Primary							
68	B-56_68	B-56 (5-5.5)	5/1/1995	5 - 5.5	Primary							
68	B-57_68	B-57 (0.5-1)	5/1/1995	0.5 - 1	Duplicate	B-57 (0.5-1)	4.2		51.7		123	
68	B-57_68	B-57 (0.5-1)	5/1/1995	0.5 - 1	Primary		5.7		67		146	
68	B-57_68	B-57 (1.5-2)	5/1/1995	1.5 - 2	Primary							
68	B-57_68	B-57 (3.5-4)	5/1/1995	3.5 - 4	Primary		2.8		91.5		128	
68	B-57_68	B-57 (5-5.5)	5/1/1995	5 - 5.5	Primary							
68	B-58_68	B-58 (1.5-2)	5/1/1995	1.5 - 2	Primary							
68	B-58_68	B-58 (5-5.5)	5/1/1995	5 - 5.5	Primary							
68	B-59_68	B-59 (0.5-1)	6/22/1994	0.5 - 1	Primary		7.5		62.2		121	
68	B-59_68	B-59 (1.5-2)	6/22/1994	1.5 - 2	Primary							
68	B-59_68	B-59 (5-5.5)	6/22/1994	5 - 5.5	Primary							
68	B-60_68	B-60 (0.5-1)	5/1/1995	0.5 - 1	Primary		13.1		70.6		271	
68	B-60_68	B-60 (1.5-2)	5/1/1995	1.5 - 2	Primary							
68	B-60_68	B-60 (5-5.5)	5/1/1995	5 - 5.5	Primary							
68	B-61_68	B-61 (1.5-2)	5/1/1995	1.5 - 2	Primary							
68	B-61_68	B-61 (5-5.5)	5/1/1995	5 - 5.5	Primary							
68	B-62_68	B-62 (1.5-2)	6/22/1994	1.5 - 2	Primary							
68	B-62_68	B-62 (3-3.5)	6/22/1994	3 - 3.5	Primary		11.5	J	223		185	
68	B-62_68	B-62 (5-5.5)	6/22/1994	5 - 5.5	Primary							
68	B-63_68	B-63 (0.5-1)	6/22/1994	0.5 - 1	Primary		***28.2***	***J***	29		80.4	
68	B-63_68	B-63 (1.5-2)	6/22/1994	1.5 - 2	Primary							
68	B-63_68	B-63 (3-3.5)	6/22/1994	3 - 3.5	Primary		6		82.2		516	
68	B-63_68	B-63 (5-5.5)	6/22/1994	5 - 5.5	Primary							
68	B-64_68	B-64 (3.5-4)	5/1/1995	3.5 - 4	Duplicate	B-64 (3.5-4)						
68	B-64_68	B-64 (3.5-4)	5/1/1995	3.5 - 4	Primary							
68	B-65_68	B-65 (3-3.5)	6/22/1994	3 - 3.5	Primary							
68	B-66_68	B-66 (2-2.5)	6/22/1994	2 - 2.5	Primary							
68	GP-1_68	GP-1, S-1 (5-5.5)	1/12/1995	5 - 5.5	Primary							
68	GP-1_68	GP-1, S-2 (7.5-8)	1/12/1995	7.5 - 8	Primary							
68	GP-1_68	GP-1, S-4 (11.5-12)	1/12/1995	11.5 - 12	Primary							
68	GP-2_68	GP-2, S-2 (7-7.5)	1/12/1995	7 - 7.5	Primary							
68	GP-2_68	GP-2, S-4 (11.5-12)	1/12/1995	11.5 - 12	Primary							
68	GP-5_68	GP-5, S-1 (5.5-6)	1/12/1995	5.5 - 6	Primary							
68	GP-5_68	GP-5, S-2 (7-7.5)	1/12/1995	7 - 7.5	Primary							
68	GP-5_68	GP-5, S-4 (11.5-12)	1/12/1995	11.5 - 12	Duplicate	GP-5, S-4 (11.5-12)						
68	GP-5_68	GP-5, S-4 (11.5-12)	1/12/1995	11.5 - 12	Primary							
63-64	B-1_63-64	B1-1 (2.1-2.6)	5/26/2010	2.1 - 2.6	Primary		6.1		110		510	
63-64	B-1_63-64	B1-2 (8.5-10)	5/26/2010	8.5 - 10	Primary		14		69		480	
63-64	B-10_63-64	B10-1 (6-7)	5/26/2010	6 - 7	Primary		***21***		160	K	420	

TABLE 3-5B
SUMMARY OF HISTORIC SOIL SAMPLE ARAR/PRG EXCEEDANCES
RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE
NEWARK, NEW JERSEY

PAHs							
Benzo(a) anthracene ARAR = 17 mg/kg		Benzo(a)pyrene ARAR = 2 mg/kg		Benzo(b) fluoranthene ARAR = 17 mg/kg		Dibenzo(a,h) anthracene ARAR = 2 mg/kg	
Result	Qual	Result	Qual	Result (mg/kg)	Qual	Result (mg/kg)	Qual
0.23		0.32		0.39		0.26	
0.005	J	0.013		0.015		ND	
0.442		0.282		0.767		0.147	J
ND		ND		ND		ND	
0.363		0.348		0.305		0.566	
ND		ND		ND		ND	
0.0554		0.0383		ND		ND	
ND		ND		ND		ND	
0.437		0.406		0.431		0.0994	
ND		ND		ND		ND	
0.0808		0.0981		0.132		0.0352	
0.187		0.173		0.163		ND	
ND		ND		ND		ND	
ND		ND		ND		ND	
0.24		0.251		0.254		0.0351	
ND		ND		ND		ND	
ND		ND		ND		ND	
ND		ND		ND		ND	
0.297	J	ND		ND		ND	
ND		ND		ND		ND	
ND		ND		ND		ND	
ND		ND		ND		ND	
0.543		0.58		0.442		0.155	J
2.8		***2.5***		2.5		0.69	

TABLE 3-5B
SUMMARY OF HISTORIC SOIL SAMPLE ARAR/PRG EXCEEDANCES
RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE
NEWARK, NEW JERSEY

Total PCBs		VOCs					
Total PCBs		Benzene		Naphthalene		Vinyl Chloride	
ARAR = 1 mg/kg		ARAR = 5 mg/kg		ARAR = 17 mg/kg		ARAR = 2 mg/kg	
Result (mg/kg)	Qual	Result (mg/kg)	Qual	Result (mg/kg)	Qual	Result (mg/kg)	Qual
				0.86			
				0.012			
				1.44			
ND				0.038			
ND				ND			
ND				ND			
ND				5.18			
ND				ND			
0.4957				0.548			
ND				ND			
ND				ND			
ND				ND			
ND				ND			
ND				ND			
ND				ND			
ND				ND			
ND		ND		ND		ND	
		ND				ND	
		ND				ND	
		ND				ND	
		ND				ND	
0.501				9			
ND				1.97			
0.154		ND		1.17		ND	
ND				ND			
ND				ND			
0.045		ND		ND		ND	
						ND	
						ND	
						ND	
						ND	
						ND	
						ND	
						ND	
						ND	
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						ND	
						ND	
						ND	
		ND				ND	
		ND				ND	
		ND				ND	
		ND				ND	
		0.82	U			0.82	U
		0.14	U			0.14	U
		0.0076	U			0.0076	U
		0.0058	U			0.0058	U
		0.0015	U			0.027	
		0.15	U			0.15	U
		0.2	U			0.2	U
		0.0058	U			0.0058	U
		0.0058	U			0.0058	U
				0.16	J		
				1.8			

TABLE 3-5B
SUMMARY OF HISTORIC SOIL SAMPLE ARAR/PRG EXCEEDANCES
RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE
NEWARK, NEW JERSEY

63-64	B-10_63-64	B10-2 (10-11)	5/26/2010	10 - 11	Primary		8.5	220 K	310
63-64	B-11_63-64	B11-1 (2-6)	5/26/2010	2 - 6	Primary		6.3	130 K	470
63-64	B-12_63-64	B12-1 (2.1-2.8)	5/26/2010	2.1 - 2.8	Primary		5	180 K	470
63-64	B-12_63-64	B12-2 (6.4-7.5)	5/26/2010	6.4 - 7.5	Primary		17	87 K	460
63-64	B-2_63-64	B2-1 (7.5-10)	5/26/2010	7.5 - 10	Primary		5.1	55	380
63-64	B-2_63-64	B2-2 (10-12.5)	5/26/2010	10 - 12.5	Primary		2.1	23	25
63-64	B-3_63-64	B3-1 (5-7)	5/26/2010	5 - 7	Primary		12	51	570
63-64	B-3_63-64	B3-1 (5-7)	5/26/2010	5 - 7	Primary				
63-64	B-3_63-64	B3-2 (7-9)	5/26/2010	7 - 9	Primary		***25***	190	610
63-64	B-4_63-64	B4-1 (2.5-4)	5/26/2010	2.5 - 4	Primary		3.2	34	120
63-64	B-4_63-64	B4-1 (8-10)	5/26/2010	8 - 10	Primary		11	58	420
63-64	B-4_63-64	B4-2 (8-10)	5/26/2010	8 - 10	Primary				
63-64	B-5_63-64	B5-1 (1-4)	5/26/2010	1 - 4	Primary		7.5	87	***4700***
63-64	B-5_63-64	B5-2 (9-11)	5/26/2010	9 - 11	Primary		7.2	66	210
63-64	B-6_63-64	B6-1 (1-2.5)	5/26/2010	1 - 2.5	Primary		***22***	180	***1600***
63-64	B-6_63-64	B6-2 (5-5)	5/26/2010	5 - 5	Primary		8.4	88	790
63-64	B-7_63-64	B7-1 (8.5-9)	5/26/2010	8.5 - 9	Primary		***34***	170	***4300***
63-64	B-7_63-64	B7-2 (10-10.5)	5/26/2010	10 - 10.5	Primary		18	91	***2100***
63-64	B-8_63-64	B8-1 (5-5.5)	5/26/2010	5 - 5.5	Primary		***63***	230	***4000***
63-64	B-8_63-64	B8-2 (10-11)	5/26/2010	10 - 11	Primary		10	69	***820***
63-64	B-8_63-64	B8-2d (10-11)	5/26/2010	10 - 11	Duplicate	B8-2 (10-11)	9.8	69	***810***
63-64	B-9_63-64	B9-1 (5-6)	5/26/2010	5 - 6	Primary		***35***	160	***2700***
63-64	B-9_63-64	B9-2 (10-11)	5/26/2010	10 - 11	Primary		***30***	220	***2700***
63-64	HF-2_63-64	HF-2 (11-12.5)	9/23/2009	11 - 12.5	Primary		***56.6***	167	***10800***
63-64	HF-2_63-64	HF-2R (11-12.5)	9/28/2009	11 - 12.5	Primary				
63-64	HF-3_63-64	HF-3 (7-7.5)	9/23/2009	7 - 7.5	Primary		9.8	101	355
63-64	HF-3_63-64	HF-3R (7-7.5)	9/28/2009	7 - 7.5	Primary				
63-64	HF-4_63-64	HF-4 (11-11.5)	9/23/2009	11 - 11.5	Primary		8.1	79.6	296
63-64	HF-5_63-64	HF-5 (6.5-7)	9/23/2009	6.5 - 7	Primary		7.9	59.6	166
63-64	HF-6_63-64	HF-6 (10.5-11)	9/23/2009	10.5 - 11	Primary		9.8	97	627
63-64	HF-7_63-64	HF-7 (16-16.5)	9/23/2009	16 - 16.5	Primary		7.5	1650	59.4
63-64	HF-NW_63-64	HF-NWA (2-2.5)	9/23/2009	2 - 2.5	Primary		16.5	***150***	***2470***
63-64	HF-NW_63-64	HF-NWB (6.5-7)	9/23/2009	6.5 - 7	Primary		***30.3***	75.5	***1680***
63-64	HF-NW_63-64	HF-NWC (11.5-12)	9/23/2009	11.5 - 12	Primary		12.7	79.8	***1520***
63-64	HF-NW_63-64	HF-NWD (18-18.5)	9/23/2009	18 - 18.5	Primary		ND	8	4.1
63-64	LD-1_63-64	LD-1 (1.5-2)	9/23/2009	1.5 - 2	Primary		8.9	96.4	***967***
63-64	LD-1A_63-64	LD-1A (4.5-5)	9/23/2009	4.5 - 5	Primary		6	104	455
63-64	LD-2_63-64	LD-2 (1.5-2)	9/23/2009	1.5 - 2	Primary		5	138	415
63-64	LD-3_63-64	LD-3 (1.5-2)	9/23/2009	1.5 - 2	Primary		***21.9***	90.8	***1610***
63-64	LD-4_63-64	LD-4 (2.5-3)	9/23/2009	2.5 - 3	Primary		10.1	114	494
63-64	LD-5_63-64	LD-5 (10-10.5)	9/23/2009	10 - 10.5	Primary		***42***	162	***4420***
63-64	STG-1_63-64	STG-1 (1.5-2)	9/23/2009	1.5 - 2	Primary		2.4	20.2	99.6
63-64	STG-2_63-64	STG-2 (10-10.5)	9/23/2009	10 - 10.5	Primary		***40.1***	330	***3420***
63-64	STG-3_63-64	STG-3 (2.5-3)	9/23/2009	2.5 - 3	Primary		11.3	107	***1510***
63-64	TRANS-1_63-64	TRANS-1 (0.5-1)	9/23/2009	0.5-1	Primary				
63-64	TRENCH-1_63-64	TRENCH-1 (5.5-6)	9/23/2009	5.5 - 6	Primary		7.7	77.6	522
63-64	TT-1_63-64	TT-1 (1.5-2)	9/23/2009	1.5 - 2	Primary		***51.7***	219	***3580***
63-64	TT-1_63-64	TT-1R (1.5-2)	9/28/2009	1.5 - 2	Primary				
63-64	UST-DG/HF-1_63-64	UST-DG/HF-1 (6.5-7)	9/23/2009	6.5 - 7	Primary		13.3	177	657
63-64	UST-DG/HF-1_63-64	UST-DG/HF-1R (6.5-7)	9/28/2009	6.5 - 7	Primary				

Notes:
ARAR = Applicable or Relevant and Appropriate Requirements.
PRG = Preliminary Remediation Goal
ND = Not detected and reporting detection limit is not available
Detected result exceeds ARAR or PRG
Reporting Detection Limit exceeds ARAR or PRG
D - Result is from diluted sample
J - Estimated Value, result >MDL and <RL
K - Estimated, unspecified laboratory non-conformance
U - Not detected above the laboratory reporting limit
Total PCBs are calculated as the sum of detected Aroclor concentration. If all the Aroclors are reported as nondetected, then the
Not Analyzed
Only parameters that have a result greater than the selected ARAR/PRG and used in the soil and soil gas alternatives are listed

TABLE 3-5B
SUMMARY OF HISTORIC SOIL SAMPLE ARAR/PRG EXCEEDANCES
RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE
NEWARK, NEW JERSEY

4.9 D	***4.1 D***	3.3	1
0.59	0.56	0.75	0.19
0.06 J	0.051 J	0.061 J	
0.35 J	0.34 J	0.42 J	
1.5	1.3	1.2	0.4
0.24 J	0.2 J	0.25 J	
0.14 J	0.2	0.2	0.09 J
		0.43	
0.36	0.34	0.25	0.11 J
0.2 J	0.16 J	0.18 J	0.059 J
1.1	0.82 J	1.2	0.22 J
0.38	0.34	0.4	0.088 J
1.2	0.98	1.4	0.27
1.4	1.5	1.2	0.38
0.0585	0.0518 J	0.0378 J	ND
ND	ND	ND	ND
0.086	ND	ND	0.0245 J
ND	ND	ND	ND
0.0198 J	ND	ND	ND
0.152	0.136	0.0914	0.0428
0.728	0.513	0.694	0.176
ND	ND	ND	ND
ND	ND	ND	ND
ND	ND	ND	ND
0.577	0.68	0.595	0.187
0.671	0.874	0.844	0.247
0.1	0.115	0.132	0.0415
0.462	0.4	0.419	0.142
1.15	1.08	1.08	0.32
0.624	0.514	0.594	0.113
0.019 J	0.0154 J	0.0168 J	ND
0.0588	0.0395 J	0.0612	ND
0.0349 J	0.0443	0.0573	ND
1.8	1.54	1.19	0.293
0.0561	0.0629	0.0612	0.0231 J
0.312	0.263	0.253	0.0739

TABLE 3-5B
SUMMARY OF HISTORIC SOIL SAMPLE ARAR/PRG EXCEEDANCES
RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE
NEWARK, NEW JERSEY

		0.96	
		1.4	
	0.31	0.31	
	0.38 J		
		1.1	
	0.38 J	0.093 J	
	1.7	0.44	
	0.59		
	2.9	0.084 J	
		0.15 J	
		0.21 J	
ND	ND	ND	ND
	3.32		ND
ND	ND	ND	ND
	ND		ND
ND	0.00053 J	ND	ND
ND	ND	ND	ND
ND	ND	ND	ND
ND	ND	ND	ND
ND	0.0021	0.694	ND
0.518	3.71	ND	ND
0.171	0.378	ND	ND
ND	ND	ND	ND
ND	0.0017	ND	ND
1.7	0.0062	0.06	ND
0.1546	ND	0.0508	ND
0.506	0.0015 J	0.353	ND
0.2478	0.0016	0.215	ND
0.1	2.7	0.342	ND
ND	ND	ND	ND
0.3	3.9	0.413	ND
0.3	0.00066 J	0.072	ND
ND			
0.4	0.0562 J	0.432	ND
ND	0.181	0.0324 J	ND
	ND		ND
ND	3.06 J	ND	ND
	ND		ND

TABLE 3-5C
SUMMARY OF RI SOIL GAS SAMPLE PRG EXCEEDANCES
RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE
NEWARK, NEW JERSEY

								VOCs					
								Naphthalene		Trichloroethylene		Total Xylenes	
								PRG = 0.62 mg/kg		PRG = 0.02 mg/kg		PRG = 6.5 mg/kg	
Lot ID	Location	Location	Sample ID	Sample Date	Depth Interval (ft bgs)	Sample Type	Parent sample ID	Result (mg/kg)	Qual	Result (mg/kg)	Qual	Result (mg/kg)	Qual
1	B-3	3	B-3(1-2)_102517	10/25/2017	1 - 2	Primary		***5.3***		0.36	U	3.35	
1	B-3	3	B-3(2-3)_102517	10/25/2017	2 - 3	Primary		0.58		0.005	U	0.056	
1	B-4	4	B-4(0-1)_100617	10/6/2017	0 - 1	Primary		0.93	U	0.29	U	0.29	U
1	B-4	4	B-4(1-3)_100617	10/6/2017	1 - 3	Primary		0.24	J	0.0055	UJ	0.015	J+
1	B-5	5	B-5(0.5-1.5)_101317	10/13/2017	0.5 - 1.5	Primary		0.19	U	0.0047	U	0.0047	U
1	B-5	5	B-5(5-6.5)_101317	10/13/2017	5 - 6.5	Primary		0.18	U	0.0048	U	0.0048	U
1	B-12	12	B-12(0-1)_101317	10/13/2017	0 - 1	Primary		0.15	J	0.42	U	***25.1***	
1	B-12	12	B-12(1-3)_101317	10/13/2017	1 - 3	Primary		0.097	J	0.52	U	***24.8***	
1	B-79	79	B-79(1-2)_102617	10/26/2017	1 - 2	Primary		0.27		0.0061	U	1.34	J+
1	B-79	79	B-79(5-6)_102617	10/26/2017	5 - 6	Primary		0.19	U	0.23	U	0.13	J
1	B-96	96	B-96(1-2)_121518	12/15/2018	1 - 2	Primary		0.2	U	0.0044	U	0.0044	U
1	B-96	96	B-96(2-3.5)_121518	12/15/2018	2 - 3.5	Primary		0.0036	U	0.0044	U	0.0044	U
1	B-97	97	B-97(11-13)_121518	12/15/2018	11 - 13	Primary		0.0039	U	0.004	U	0.0024	J
1	B-97	97	B-97(1-2)_121518	12/15/2018	1 - 2	Primary		0.0093		0.0048	U	0.006	J
1	B-97	97	DUP-4_121518	12/15/2018	1 - 2	Duplicate	B-97(1-2)_121518	0.2	U	0.0042	U	0.0335	J
1	B-97	97	B-97(2-3.8)_121518	12/15/2018	2 - 3.8	Primary		0.2	U	0.0038	U	0.0038	U
1	B-98	98	B-98(0-1)_121418	12/14/2018	0 - 1	Primary		0.14	J	NR		NR	
1	B-98	98	B-98(1-2.9)_121418	12/14/2018	1 - 2.9	Primary		0.17	J	0.0038	U	0.0038	U
57	B-6	6	B-6(3.5-4.5)_101717	10/17/2017	3.5 - 4.5	Primary		0.19	U	0.0059	U	0.0059	U
57	B-6	6	B-6(5-5.5)_101717	10/17/2017	5 - 5.5	Primary		***7.4***		0.0052	U	0.0052	U
57	B-7	7	B-7(0.5-1.5)_101017	10/10/2017	0.5 - 1.5	Primary		0.19	U	0.28	U	3.46	
57	B-7	7	B-7(5-6)_101017	10/10/2017	5 - 6	Primary		0.19	U	0.0042	U	0.0067	
57	B-8	8	B-8(1.5-2.5)_101017	10/10/2017	1.5 - 2.5	Primary		0.19	U	0.0044	U	0.0044	U
57	B-8	8	B-8(5-6.25)_101017	10/10/2017	5 - 6.25	Primary		0.19	U	0.25	U	0.25	U
57	B-9	9	B-9(0-1)_101617	10/16/2017	0 - 1	Primary		0.49	J	0.0056	UJ	0.0056	UJ
57	B-9	9	B-9(5-6)_101617	10/16/2017	5 - 6	Primary		0.22	U	0.0059	U	0.017	
57	B-10	10	B_10(3_5)_101617	10/16/2017	3 - 5	Primary		0.22	U	0.0054	U	0.0054	U
57	B-71	71	B-71(3-5)_101617	10/16/2017	3 - 5	Primary		0.2	U	0.0043	U	0.0043	U
58	B-13	13	B-13(0-1)_101117	10/11/2017	0 - 1	Primary		0.2	U	***0.04***		0.174	
58	B-13	13	B-13(1-3)_101117	10/11/2017	1 - 3	Primary		0.33		0.28	U	***124***	
58	B-14	14	B-14(0-1)_101717	10/17/2017	0 - 1	Primary		0.051	J	0.0052	U	0.0052	U
58	B-14	14	B-14(7-7.5)_101717	10/17/2017	7 - 7.5	Primary		0.18	U	0.0048	U	0.0048	U
58	B-15	15	B-15(0.25-1.25)_101717	10/17/2017	0.25 - 1.25	Primary		0.19	U	0.0058	U	0.0058	U
58	B-15	15	B-15(5-6)_101717	10/17/2017	5 - 6	Primary		0.19	U	0.0047	U	0.0047	U
58	B-16	16	B-16(0-1)_101217	10/12/2017	0 - 1	Primary		0.29		***2***		***11.1***	
58	B-16	16	B-16(7-7.75)_101217	10/12/2017	7 - 7.75	Primary		***2.1***		0.25	U	2.22	J
58	B-17	17	B-17(0.25-1.25)_101717	10/17/2017	0.25 - 1.25	Primary		1.8	U	0.0051	U	0.0051	U
58	B-17	17	B-17(5-6.5)_101717	10/17/2017	5 - 6.5	Primary		0.2	U	0.0046	U	0.0046	U
58	B-17	17	DUP-6_101717	10/17/2017	5 - 6.5	Duplicate	B-17(5-6.5)_101717	0.2	U	0.0054	U	0.0073	
59	B-18	18	B-18(0-1)_101217	10/12/2017	0 - 1	Primary		0.18	U	0.0053	U	0.0053	U
59	B-18	18	B-18(5-6)_101217	10/12/2017	5 - 6	Primary		0.2	U	0.0046	U	0.0046	U
59	B-99	99	B-99(0-1)_121518	12/15/2018	0 - 1	Primary		0.031	J	0.0054	UJ	0.01	J+
59	B-99	99	B-99(11-13)_121518	12/15/2018	11 - 13	Primary		0.0041	U	0.0046	U	0.0046	U
59	B-99	99	B-99(1-2.9)_121518	12/15/2018	1 - 2.9	Primary		0.22	U	0.0068	U	0.0068	U
59	B-103	103	B-103(0-1)_121418	12/14/2018	0 - 1	Primary		0.071	J	0.0045	U	0.0045	U
59	B-103	103	B-103(5-7)_121418	12/14/2018	5 - 7	Primary		0.0039	U	0.0052	U	0.0052	U
59	B-104	104	B-104(0-1)_121418	12/14/2018	0 - 1	Primary		0.014	J	0.0046	U	0.00092	J
59	B-104	104	B-104(7-8.7)_121418	12/14/2018	7 - 8.7	Primary		0.0028	J	0.0046	U	0.0046	U
59	B-104	104	DUP-3_121418	12/14/2018	7 - 8.7	Duplicate	B-104(7-8.7)_121418	0.0021	J	0.0052	U	0.0052	U
60	B-20	20	B-20(3.5-4)_101817	10/18/2017	3.5 - 4	Primary		0.21	U	0.0051	U	0.0051	U
60	B-20	20	B-20(5-6)_101817	10/18/2017	5 - 6	Primary		0.2	U	0.012	J+	0.0055	UJ
60	B-22	22	B-22(0-1)_100617	10/6/2017	0 - 1	Primary		0.088	J	0.0048	U	0.0048	U
60	B-22	22	B-22(1-3)_100617	10/6/2017	1 - 3	Primary		0.18	U	0.0044	U	0.0044	U
60	B-23	23	B-23(0-1)_100517	10/5/2017	0 - 1	Primary		0.18	U	0.0068		0.0045	U
60	B-23	23	B-23(1-3)_100517	10/5/2017	1 - 3	Primary		0.19	U	***0.7***		0.33	U
60	B-95	95	B-95(0-1)_121318	12/13/2018	0 - 1	Primary		0.048		0.25	U	0.0346	J+
60	B-95	95	B-95(11-13)_121318	12/13/2018	11 - 13	Primary		0.0022	J	0.0072	U	0.0072	U
60	B-95	95	B-95(1-2.8)_121318	12/13/2018	1 - 2.8	Primary		0.011	J	0.0047	UJ	0.0118	J
60	B-105	105	B-105(0.7-1.7)_121518	12/15/2018	0.7 - 1.7	Primary		0.021	J	0.0093	J+	0.0068	UJ
60	B-105	105	B-105(1.7-3.2)_121518	12/15/2018	1.7 - 3.2	Primary		0.077	U	0.0044	U	0.0044	U
61	B-24	24	B-24(0.5-1.5)_100517	10/5/2017	0.5 - 1.5	Primary		0.044	J	NR		NR	
61	B-24	24	B-24(1.5-3.5)_100517	10/5/2017	1.5 - 3.5	Primary		***0.79***	***J***	0.0055	U	0.0078	J+
61	B-24	24	DUP-3_100517	10/5/2017	1.5 - 3.5	Duplicate	B-24(1.5-3.5)_100517	***0.85***	***J***	0.0058	U	0.0081	J+
61	B-25	25	B-25(0.5-1.5)_100517	10/5/2017	0.5 - 1.5	Primary		0.36	U	0.0052	U	0.0052	U
61	B-25	25	B-25(5-5.5)_100517	10/5/2017	5 - 5.5	Primary		0.37	U	0.31	U	0.31	U
61	B-26	26	B-26(0.5-1.5)_100517	10/5/2017	0.5 - 1.5	Primary		0.2	U	***0.21***	***J+***	0.0097	J+
61	B-26	26	B-26(5-5.8)_100517	10/5/2017	5 - 5.8	Primary		0.12	J	***1.6***		0.67	
61	B-27	27	B-27(0.5-1.5)_100517	10/5/2017	0.5 - 1.5	Primary		0.049	J	0.0054	U	0.0076	J+
61	B-27	27	B-27(5-5.5)_100517	10/5/2017	5 - 5.5	Primary		0.091	J	0.0055	U	0.0055	U
61	B-68	68	B-68(1-2)_102417	10/24/2017	1 - 2	Primary		0.22	U	***0.024***		0.0077	U

TABLE 3-5C
SUMMARY OF RI SOIL GAS SAMPLE PRG EXCEEDANCES
RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE
NEWARK, NEW JERSEY

62	B-28	28	B-28(0.5-1.5)_100917	10/9/2017	0.5 - 1.5	Primary		0.95 U	0.006 U	0.006 U
62	B-28	28	B-28(1.5-2.75)_100917	10/9/2017	1.5 - 2.75	Primary		0.11 J	0.007 U	0.007 U
62	B-93	93	B-93(1-2)_121518	12/15/2018	1 - 2	Primary		***68***	NR	NR
62	B-93	93	B-93(2-3)_121518	12/15/2018	2 - 3	Primary		***53***	0.55 U	0.55 U
63	B-29	29	B-29(0-1)_092917	9/29/2017	0 - 1	Primary		0.058 J	0.0054 U	0.0054 U
63	B-29	29	B-29(1-3)_092917	9/29/2017	1 - 3	Primary		0.059 J	0.0056 U	0.0091
63	B-30	30	B-30(0-1)_100417	10/4/2017	0 - 1	Primary		0.3 J	0.0078 U	0.0078 U
63	B-30	30	B-30(3-3.8)_100417	10/4/2017	3 - 3.8	Primary		0.4	0.0072 U	0.022
63	B-31	31	B-31(1-2)_101817	10/18/2017	1 - 2	Primary		0.28	0.0065 U	0.0065 U
63	B-31	31	B-31(5-5.5)_101817	10/18/2017	5 - 5.5	Primary		0.33	0.0071 U	0.012
63	B-32	32	B-32(1-2)_100417	10/4/2017	1 - 2	Primary		0.094 J	0.0072 UJ	0.0072 UJ
63	B-32	32	B-32(2-4)_100417	10/4/2017	2 - 4	Primary		0.34	0.0066 UJ	0.0066 UJ
63	B-33	33	B-33(0.5-1.5)_100417	10/4/2017	0.5 - 1.5	Primary		0.063 J	***0.037***	0.13 J
63	B-33	33	B-33(3.5-4.5)_100417	10/4/2017	3.5 - 4.5	Primary		0.085 J	0.0058 U	0.015 J+
63	B-85	85	B-85(0-0.5)_121218	12/12/2018	0 - 0.5	Primary		0.0092 J	0.006 U	0.006 U
63	B-85	85	B-85(2.5-3.5)_121218	12/12/2018	2.5 - 3.5	Primary		0.27 J	0.42 U	0.42 U
63	B-87	87	B-87(0-1)_121318	12/13/2018	0 - 1	Primary		0.17	0.0018 J	0.0071 J
63	B-87	87	B-87(1-3)_121318	12/13/2018	1 - 3	Primary		0.14	0.0063 J	0.0028 J
63	B-87	87	DUP-2_121318	12/13/2018	1 - 3	Duplicate	B-87(1-3)_121318	0.15	***0.14 J***	0.22 J
64	B-34	34	B-34(0-1)_100617	10/6/2017	0 - 1	Primary		0.3	0.0054 U	***8.96***
64	B-34	34	B-34(5-5.5)_100617	10/6/2017	5 - 5.5	Primary		***1.1***	2.6 U	***92.7***
64	B-35	35	B-35(1-2)_100417	10/4/2017	1 - 2	Primary		0.19	***0.036***	4.76 J
64	B-35	35	B-35(2-3.8)_100417	10/4/2017	2 - 3.8	Primary		***2.5***	0.44 U	***54.7***
64	B-36	36	B-36(0-1)_100417	10/4/2017	0 - 1	Primary		0.2	0.0043 U	0.0043 U
64	B-36	36	B-36(3-3.7)_100417	10/4/2017	3 - 3.7	Primary		***0.65***	0.5 U	0.5 U
64	B-37	37	B-37(0-1)_100417	10/4/2017	0 - 1	Primary		0.18 U	0.005 UJ	0.0243 J+
64	B-37	37	B-37(1-3)_100417	10/4/2017	1 - 3	Primary		0.93 U	0.0049 UJ	0.0049 UJ
64	B-38	38	B-38(0-1)_100917	10/9/2017	0 - 1	Primary		0.95 U	0.28 U	1.1 J
64	B-38	38	DUP-4_101017	10/9/2017	0 - 1	Duplicate	B-38(0-1)_100917	0.19 U	0.26 U	2.6 U
64	B-38	38	B-38(1-3)_100917	10/9/2017	1 - 3	Primary		0.21 U	0.005 U	0.01
64	B-38	38	B-38(FILL)_100917	10/9/2017	-3 - 0	Primary		0.22 J	0.0054 U	0.0054 U
64	B-41	41	B-41(0-1)_092617	9/26/2017	0 - 1	Primary		0.93 U	0.0052 U	0.0052 U
64	B-41	41	B-41(5-7)_092717	9/27/2017	5 - 7	Primary		0.19 U	0.0042 U	0.0042 U
64	B-42	42	B-42(0.3-1.3)_100217	10/2/2017	0.3 - 1.3	Primary		0.94 U	0.0053 U	0.0053 U
64	B-42	42	B-42(7-9)_100217	10/2/2017	7 - 9	Primary		0.054 J	0.0075 U	0.0075 U
64	B-69	69	B-69(0-1)_092717	9/27/2017	0 - 1	Primary		0.18 U	0.0043 U	0.0043 U
64	B-69	69	B-69(1-3)_092717	9/27/2017	1 - 3	Primary		0.053 J	0.0041 UJ	0.0025 J
64	B-70	70	B-70(0-1)_092717	9/27/2017	0 - 1	Primary		0.18 U	0.005 U	0.005 U
64	B-70	70	B-70(5-7)_092717	9/27/2017	5 - 7	Primary		1 U	0.0051 U	0.0094 J
64	B-74	74	B-74(0-1)_100417	10/4/2017	0 - 1	Primary		0.86 U	0.004 U	0.0151
64	B-74	74	B-74(3-4)_100417	10/4/2017	3 - 4	Primary		0.2 U	0.39 U	***16.6***
64	B-75	75	B-75(0-1)_092917	9/29/2017	0 - 1	Primary		0.18 U	0.0045 U	0.0045 U
64	B-75	75	B-75(1-3)_092917	9/29/2017	1 - 3	Primary		0.21 U	0.48 U	0.48 U
64	B-86	86	B-86(0.3-1.3)_121118	12/11/2018	0.3 - 1.3	Primary		***1.1***	0.0052 UJ	0.0052 UJ
64	B-86	86	B-86(1.3-3.3)_121118	12/11/2018	1.3 - 3.3	Primary		0.35 J	0.0064 UJ	0.0064 UJ
64	B-88	88	B-88(0-1)_121318	12/13/2018	0 - 1	Primary		0.19	0.0011 J	0.0382 J
64	B-88	88	B-88(11-13)_121318	12/13/2018	11 - 13	Primary		0.064 J	0.0079 UJ	0.0079 UJ
64	B-88	88	B-88(1-3)_121318	12/13/2018	1 - 3	Primary		0.11	0.3 UJ	0.18 J
64	B-89	89	B-89(0-1)_121318	12/13/2018	0 - 1	Primary		0.011 J	0.00073 J	0.0014 J
64	B-89	89	B-89(1-3)_121318	12/13/2018	1 - 3	Primary		0.41	0.34 U	0.34 U
64	B-90	90	B-90(0-1)_121218	12/12/2018	0 - 1	Primary		0.017 J	0.0049 U	0.0049 U
64	B-90	90	B-90(11-13)_121218	12/12/2018	11 - 13	Primary		0.069	0.53 U	0.48 J
64	B-90	90	B-90(1-2.2)_121218	12/12/2018	1.2 - 2	Primary		0.039 J	0.0061 U	0.0051 J
64	B-91	91	B-91(0-1)_121518	12/15/2018	0 - 1	Primary		0.058 J	0.0046 U	0.00066 J
64	B-91	91	B-91(11-13)_121518	12/15/2018	11 - 13	Primary		0.019	0.0058 U	0.0011 J
64	B-91	91	B-91(1-3)_121518	12/15/2018	1 - 3	Primary		0.27 J	0.0012 J	0.0029 J
64	B-92	92	B-92(0-1)_121218	12/12/2018	0 - 1	Primary		0.019 J	0.0048 UJ	0.0012 J
64	B-92	92	B-92(1-2.5)_121218	12/12/2018	1 - 2.5	Primary		0.044 J	0.0023 J	0.0048 UJ
64	B-94	94	B-94(0-1)_121318	12/13/2018	0 - 1	Primary		0.18 U	0.0045 U	0.0045 U
64	B-94	94	B-94(1-3)_121318	12/13/2018	1 - 3	Primary		0.11	0.48 U	6.5
65	B-39	39	B-39(0.5-1.5)_100317	10/3/2017	0.5 - 1.5	Primary		0.2 U	0.0049 U	0.0049 U
65	B-39	39	B-39(5-7)_100317	10/3/2017	5 - 7	Primary		0.2 U	0.0076	0.0058 U
65	B-40	40	B-40(0-1)_092617	9/26/2017	0 - 1	Primary		1 U	0.0065 U	0.0065 U
65	B-40	40	B-40(5-7)_092717	9/27/2017	5 - 7	Primary		0.22 U	0.0061 U	0.0061 U
65	B-43	43	B-43(0-1)_092617	9/26/2017	0 - 1	Primary		0.061 J	0.0039 U	0.0039 U
65	B-43	43	B-43(5-7)_092617	9/26/2017	5 - 7	Primary		***0.73***	0.0047 U	0.0042 J
65	B-76	76	B-76(0-1)_102317	10/23/2017	0 - 1	Primary		0.068 J	0.0063 U	0.0063 U
65	B-76	76	B-76(1-3)_102317	10/23/2017	1 - 3	Primary		0.19 U	0.0052 U	0.0052 U
65	B-76	76	DUP-7_102317	10/23/2017	1 - 3	Duplicate	B-76(1-3)_102317	0.076 J	0.0063 U	0.0063 U
66	B-44	44	B-44(0-1)_100217	10/2/2017	0 - 1	Primary		0.94 U	0.0047 U	0.0047 U
66	B-44	44	B-44(5-5.5)_100217	10/2/2017	5 - 5.5	Primary		***1.5***	0.0054 U	1.63 J

TABLE 3-5C
SUMMARY OF RI SOIL GAS SAMPLE PRG EXCEEDANCES
RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE
NEWARK, NEW JERSEY

66	B-78	78	B-78(0.5-1.5)_102517	10/25/2017	0.5 - 1.5	Primary		0.2 U	0.0047 U	0.0047 U
66	B-78	78	B-78(5-7)_102517	10/25/2017	5 - 7	Primary		0.32 J	0.007 U	0.007 U
66	B-84	84	B-84(11-13)_121218	12/12/2018	11 - 13	Primary		0.04 J	0.0047 U	0.0047 U
66	B-84	84	B-84(1-2)_121218	12/12/2018	1 - 2	Primary		0.011 J	0.005 UJ	0.005 UJ
66	B-84	84	B-84(2-4)_121218	12/12/2018	2 - 4	Primary		0.22 J	0.0049 U	0.0049 U
67	B-51	51	B-51(1-2)_092817	9/28/2017	1 - 2	Primary		0.26	0.0042 UJ	0.0042 UJ
67	B-51	51	B-51(5-7)_092817	9/28/2017	5 - 7	Primary		0.24	***0.028***	0.022
67	B-52	52	B-52(0-1)_102317	10/23/2017	0 - 1	Primary		0.53 J	0.0057 U	***10.5***
67	B-52	52	B-52(1-3)_102317	10/23/2017	1 - 3	Primary		0.13 J	0.0077 U	0.0077 U
67	B-53	53	B-53(0-1)_092817	9/28/2017	0 - 1	Primary		0.049 J	0.0056 U	0.0056 U
67	B-53	53	B-53(1-3)_092817	9/28/2017	1 - 3	Primary		***3.9***	0.0058 U	0.0058 U
67	B-54	54	B-54(1-2)_092817	9/28/2017	1 - 2	Primary		***3.3***	0.0045 U	0.0045 U
67	B-54	54	B-54(7-8)_092817	9/28/2017	7 - 8	Primary		0.25 U	0.0093 U	0.0093 U
67	B-55	55	B-55(0.5-1.5)_100317	10/3/2017	0.5 - 1.5	Primary		0.93 U	0.012 J+	NR
67	B-55	55	B-55(3.5-5)_100317	10/3/2017	3.5 - 5	Primary		0.12 J	0.0055 U	0.0055 U
67	B-81	81	B-81(0.3-1.3)_121218	12/12/2018	0.3 - 1.3	Primary		0.078	0.25 U	2.61
67	B-81	81	B-81(5-7)_121218	12/12/2018	5 - 7	Primary		0.24 J	0.0047 U	0.0047 U
68	B-56	56	B-56(1-2)_092717	9/27/2017	1 - 2	Primary		0.16 J	***0.038 J+***	0.0082 J+
68	B-56	56	B-56(2-4)_092717	9/27/2017	2 - 4	Primary		0.21 U	***5.4***	4.64
68	B-57	57	B-57(1-2)_100317	10/3/2017	1 - 2	Primary		0.4 U	0.0049 U	0.0049 U
68	B-57	57	B-57(2-4)_100317	10/3/2017	2 - 4	Primary		0.26 U	0.0076 U	0.0076 U
68	B-58	58	B-58(1-2)_092717	9/27/2017	1 - 2	Primary		0.3	0.36 U	***79***
68	B-58	58	B-58(6-8)_092717	9/27/2017	6 - 8	Primary		0.2 U	0.0043 U	0.0043 U
68	B-59	59	B-59(12-13.5)_100317	10/3/2017	9 - 10.5	Primary		0.2 U	0.0046 U	0.0046 U
68	B-59	59	B-59(5-7)_100317	10/3/2017	2 - 4	Primary		0.19 U	0.0058 U	0.0058 U
68	B-59	59	DUP-2_100317	10/3/2017	2 - 4	Duplicate	B-59(5-7)_100317	0.37 U	0.006 U	0.006 U
68	B-59	59	B-59(FILL)_100317	10/3/2017	-3 - 0	Primary		0.18 U	0.0047 U	0.0047 U
68	B-60	60	B-60(0-1)_092617	9/26/2017	0 - 1	Primary		0.058 J	0.0043 U	0.0043 U
68	B-60	60	B-60(5-7)_092617	9/26/2017	5 - 7	Primary		0.044 J	0.005 U	0.005 U
68	B-60	60	B-60(FILL)_092617	9/26/2017	-4 - 0	Primary		0.14 J	0.0043 U	0.0043 U
68	B-77	77	B-77(0-1)_092817	9/28/2017	0 - 1	Primary		0.18 U	0.0048 U	0.0048 U
68	B-77	77	B-77(1-3)_092817	9/28/2017	1 - 3	Primary		0.18 U	0.0073 U	0.0073 U
68	B-77	77	DUP-1_092817	9/28/2017	1 - 3	Duplicate	B-77(1-3)_092817	0.18 U	0.0054 U	0.0054 U
68	B-80	80	B-80(0.3-1.3)_121218	12/12/2018	0.3 - 1.3	Primary		0.093 J	***10***	0.69 J
68	B-80	80	B-80(1.3-3.3)_121218	12/12/2018	1.3 - 3.3	Primary		0.095	0.0028 J	0.00054 J
68	B-82	82	B-82(11-13)_121118	12/11/2018	11 - 13	Primary		0.0013 J	0.0075 UJ	0.0075 UJ
68	B-82	82	B-82(1-2)_121118	12/11/2018	1 - 2	Primary		0.039 J	***0.88 J***	2 UJ
68	B-82	82	B-82(5-7)_121118	12/11/2018	5 - 7	Primary		0.0066 J	0.0057 UJ	0.0057 UJ
68	B-83	83	B-83(0.3-1.3)_121118	12/11/2018	0.3 - 1.3	Primary		0.23	***0.11 J***	1.89
68	B-83	83	B-83(1.3-3.3)_121118	12/11/2018	1.3 - 3.3	Primary		0.12 J	NR	0.0093 J
68	B-83	83	DUP-1_121118	12/11/2018	1.3 - 3.3	Duplicate	B-83(1.3-3.3)_121118	0.21 J	NR	NR
69	B-61	61	B-61(0-1)_101117	10/11/2017	0 - 1	Primary		0.077 J	0.0053 U	0.0053 U
69	B-61	61	B-61(5-6)_101117	10/11/2017	5 - 6	Primary		0.19 U	0.0044 U	0.0044 U
69	B-62	62	B-62(0-1)_101117	10/11/2017	0 - 1	Primary		0.18 U	0.0049 U	0.0049 U
69	B-62	62	B-62(5-5.5)_101117	10/11/2017	5 - 5.5	Primary		0.14 J	0.0072 U	0.0072 U
69	B-63	63	B-63(0-1)_101117	10/11/2017	0 - 1	Primary		0.18 U	0.0065 U	0.0074
69	B-63	63	B-63(1-3)_101117	10/11/2017	1 - 3	Primary		***0.64 J***	0.0047 U	0.0047 U
69	B-101	101	B-101(0-1)_121418	12/14/2018	0 - 1	Primary		0.029	0.0058 U	0.095
69	B-101	101	B-101(11-13)_121418	12/14/2018	11 - 13	Primary		0.2 U	0.0043 U	0.0043 U
69	B-101	101	B-101(5-6)_121418	12/14/2018	5 - 6	Primary		0.33	0.0045 U	0.0045 U
69	B-102	102	B-102(0-1)_121418	12/14/2018	0 - 1	Primary		0.2 U	0.0045 U	0.00304 J
69	B-102	102	B-102(1-2.9)_121418	12/14/2018	1 - 2.9	Primary		0.055 U	0.0044 U	0.0044 U
70	B-19	19	B-19(0-1)_101117	10/11/2017	0 - 1	Primary		0.19 U	***0.035 J***	0.0059 U
70	B-19	19	B-19(2-4)_101117	10/11/2017	2 - 4	Primary		0.19 U	0.0051 U	0.0051 U
70	B-64	64	B-64(1.5-2.5)_101117	10/11/2017	1.5 - 2.5	Primary		0.19 U	0.0053 U	0.0053 U
70	B-64	64	DUP-5_101117	10/11/2017	1.5 - 2.5	Duplicate	B-64(1.5-2.5)_101117	0.19 U	0.0049 U	0.0049 U
70	B-64	64	B-64(2.5-4.5)_101117	10/11/2017	2.5 - 4.5	Primary		0.19 U	0.0057 UJ	0.0057 UJ
70	B-65	65	B-65(0.5-1.5)_101317	10/13/2017	0.5 - 1.5	Primary		0.19 U	0.02	0.57 J
70	B-65	65	B-65(1.5-2.7)_101317	10/13/2017	1.5 - 2.7	Primary		0.19 U	0.0053 U	0.0053 U
70	B-66	66	B-66(1.5-2.5)_101017	10/10/2017	1.5 - 2.5	Primary		0.18 U	***0.037***	0.0055 U
70	B-66	66	B-66(2.5-4.5)_101017	10/10/2017	2.5 - 4.5	Primary		0.048 J	0.0068 UJ	0.0311 J
70	B-67	67	B-67(1.5-2.5)_101017	10/10/2017	1.5 - 2.5	Primary		0.92 U	***0.026***	0.0056 U
70	B-67	67	B-67(2.5-3.8)_101017	10/10/2017	2.5 - 3.8	Primary		***5.4***	0.39 U	***12.94***
70	B-100	100	B-100(11-13)_121418	12/14/2018	11 - 13	Primary		0.44 J	0.0066 U	0.0066 U
70	B-100	100	B-100(2.2-3.2)_121418	12/14/2018	2.2 - 3.2	Primary		0.061	0.4 U	0.13 J
70	B-100	100	B-100(3.2-4.2)_121418	12/14/2018	3.2 - 4.2	Primary		0.031	0.0048 UJ	0.0037 J

Notes:
ARAR = Applicable or Relevant and Appropriate Requirements.
PRG = Preliminary Remediation Goal
Detected result exceeds ARAR or PRG
Reporting Detection Limit exceeds ARAR or PRG
NR = Not reportable
J - Estimated Value, result >MDL and <RL
J+ - Estimated High
J- - Estimated Low
U - Not detected above the laboratory reporting limit
Total Xylenes are calculated as the sum of detected isomers concentrations. If all the isomers are reported as nondetected, then the highest reporting limit of the isomers is reported.
Only parameters that have a result greater than the selected ARAR/PRG and used in the soil and soil gas alternatives are listed

TABLE 3-5D
SUMMARY OF HISTORIC SOIL GAS SAMPLE PRG EXCEEDANCES
RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE
NEWARK, NEW JERSEY

							VOCs					
							Naphthalene		Trichloroethene		Total Xylene	
							PRG = 0.62 mg/kg		PRG = 0.02 mg/kg		PRG = 6.5 mg/kg	
Lot	Location	Sample ID	Sample Date	Depth Interval (ft bgs)	Sample Type	Parent Sample ID	esult (mg/k	Qual	esult (mg/k	Qual	Result (mg/kg)	Qual
1	BE-1_1	BE-1 (7.5-8)	9/14/2010	7.5 - 8	Primary		***0.86***				ND	
1	BE-2_1	BE-2 (4.5-5)	9/14/2010	4.5 - 5	Primary		0.012				0.0023	J
1	BE-3_1	BE-3 (7.5-8)	9/14/2010	7.5 - 8	Primary						ND	
1	SB-3_1	SB-3 (2.5-3)	7/30/2008	2.5 - 3	Primary		***1.44***				2.11	
58	S-1_58	S-1	10/6/2009	Less than 14 feet	Primary		0.038		ND		***121***	
58	S-10_58	S-10A	10/6/2009	Less than 14 feet	Primary		ND		ND		ND	
58	S-10_58	S-10B	10/6/2009	Less than 14 feet	Primary		ND		ND		6.39	
58	S-2_58	S-2	10/6/2009	Less than 14 feet	Primary		***5.18***		***0.597***	***J***	***344***	
58	S-3_58	S-3	10/6/2009	Less than 14 feet	Primary		ND		ND		ND	
58	S-4_58	S-4A	10/6/2009	Less than 14 feet	Primary		0.548		ND		3.43	
58	S-4_58	S-4B	10/6/2009	Less than 14 feet	Primary		ND		ND		ND	
58	S-5_58	S-5	10/6/2009	Less than 14 feet	Primary		ND		ND		ND	
58	S-6_58	S-6A	10/6/2009	Less than 14 feet	Primary		ND		ND		ND	
58	S-6_58	S-6B	10/6/2009	Less than 14 feet	Primary		ND		ND		1.81	
58	S-7_58	S-7	10/6/2009	Less than 14 feet	Primary		ND		ND		ND	
58	S-8_58	S-8	10/6/2009	Less than 14 feet	Primary		ND		ND		0.174	
58	S-9_58	S-9	10/6/2009	Less than 14 feet	Primary		ND		ND		ND	
60	SB-FILL-1_60	SB-FILL-1 (5.5-6)	11/13/2008	5.5 - 6	Primary							
60	SB-FILL-2_60	SB-FILL-2 (5.5-6)	11/13/2008	5.5 - 6	Primary		ND		ND		ND	
60	SB-FILL-3_60	SB-FILL-3 (6.5-7)	11/13/2008	6.5 - 7	Primary							
60	SB-FILL-4_60	SB-FILL-4 (5.5-6)	11/13/2008	5.5 - 6	Primary							
60	SB-PAD-1_60	SB-PAD-1 (6.5-7)	11/13/2008	6.5 - 7	Primary				***7.06***		ND	
60	SB-PAD-2_60	SB-PAD-2 (6.5-7)	11/13/2008	6.5 - 7	Primary				ND		ND	
60	SB-PAD-3_60	SB-PAD-3 (6.5-7)	11/13/2008	6.5 - 7	Primary				***0.414***	***J***	ND	
60	SB-PAD-4_60	SB-PAD-4 (6.5-7)	11/13/2008	6.5 - 7	Primary				ND		ND	
62	SB-4_62	SB-4 (5.5-6)	5/14/2008	5.5 - 6	Primary		***9***					
62	SB-5_62	SB-5 (5.5-6)	5/14/2008	5.5 - 6	Primary		***1.97***					
62	SB-6_62	SB-6 (6.5-7)	5/14/2008	6.5 - 7	Primary		***1.17***		ND		1.99	
66	SB-1_66	SB-1 (4.5-5)	5/14/2008	4.5 - 5	Primary		ND					
66	SB-2_66	SB-2 (4.5-5)	5/14/2008	4.5 - 5	Primary		ND					
66	SB-3_66	SB-3 (4.5-5)	5/14/2008	4.5 - 5	Primary		ND		***0.13***	***J***	ND	
68	B-54_68	B-54 (0.5-1)	6/22/1994	0.5 - 1	Primary							
68	B-54_68	B-54 (1.5-2)	5/1/1995	1.5 - 2	Duplicate	B-54 (1.5-2)			0.0074			
68	B-54_68	B-54 (1.5-2)	5/1/1995	1.5 - 2	Primary				0.013			
68	B-54_68	B-54 (1-1.5)	6/22/1994	1 - 1.5	Primary							
68	B-54_68	B-54 (5-5.5)	5/1/1995	5 - 5.5	Primary				ND			
68	B-56_68	B-56 (1.5-2)	5/1/1995	1.5 - 2	Primary				ND			
68	B-56_68	B-56 (5-5.5)	5/1/1995	5 - 5.5	Primary				ND			
68	B-57_68	B-57 (0.5-1)	5/1/1995	0.5 - 1	Duplicate	B-57 (0.5-1)						
68	B-57_68	B-57 (0.5-1)	5/1/1995	0.5 - 1	Primary							
68	B-57_68	B-57 (1.5-2)	5/1/1995	1.5 - 2	Primary				ND			
68	B-57_68	B-57 (3.5-4)	5/1/1995	3.5 - 4	Primary							
68	B-57_68	B-57 (5-5.5)	5/1/1995	5 - 5.5	Primary				ND			
68	B-58_68	B-58 (1.5-2)	5/1/1995	1.5 - 2	Primary				0.014			
68	B-58_68	B-58 (5-5.5)	5/1/1995	5 - 5.5	Primary				0.0025			
68	B-59_68	B-59 (0.5-1)	6/22/1994	0.5 - 1	Primary							
68	B-59_68	B-59 (1.5-2)	6/22/1994	1.5 - 2	Primary				ND			
68	B-59_68	B-59 (5-5.5)	6/22/1994	5 - 5.5	Primary				ND			
68	B-60_68	B-60 (0.5-1)	5/1/1995	0.5 - 1	Primary							
68	B-60_68	B-60 (1.5-2)	5/1/1995	1.5 - 2	Primary				ND			
68	B-60_68	B-60 (5-5.5)	5/1/1995	5 - 5.5	Primary				ND			
68	B-61_68	B-61 (1.5-2)	5/1/1995	1.5 - 2	Primary				ND			
68	B-61_68	B-61 (5-5.5)	5/1/1995	5 - 5.5	Primary				ND			
68	B-62_68	B-62 (1.5-2)	6/22/1994	1.5 - 2	Primary				ND			
68	B-62_68	B-62 (3-3.5)	6/22/1994	3 - 3.5	Primary							
68	B-62_68	B-62 (5-5.5)	6/22/1994	5 - 5.5	Primary				ND			
68	B-63_68	B-63 (0.5-1)	6/22/1994	0.5 - 1	Primary							
68	B-63_68	B-63 (1.5-2)	6/22/1994	1.5 - 2	Primary				ND			
68	B-63_68	B-63 (3-3.5)	6/22/1994	3 - 3.5	Primary							
68	B-63_68	B-63 (5-5.5)	6/22/1994	5 - 5.5	Primary				ND			
68	B-64_68	B-64 (3.5-4)	5/1/1995	3.5 - 4	Duplicate	B-64 (3.5-4)			ND		ND	
68	B-64_68	B-64 (3.5-4)	5/1/1995	3.5 - 4	Primary				ND		ND	
68	B-65_68	B-65 (3-3.5)	6/22/1994	3 - 3.5	Primary				ND		ND	
68	B-66_68	B-66 (2-2.5)	6/22/1994	2 - 2.5	Primary				ND		ND	
68	GP-1_68	GP-1, S-1 (5-5.5)	1/12/1995	5 - 5.5	Primary				***0.46***	***J***	0.82	
68	GP-1_68	GP-1, S-2 (7.5-8)	1/12/1995	7.5 - 8	Primary				0.14	U	0.14	
68	GP-1_68	GP-1, S-4 (11.5-12)	1/12/1995	11.5 - 12	Primary				0.0076	U	0.0076	
68	GP-2_68	GP-2, S-2 (7-7.5)	1/12/1995	7 - 7.5	Primary				0.014		0.0058	
68	GP-2_68	GP-2, S-4 (11.5-12)	1/12/1995	11.5 - 12	Primary				0.0015	U	0.0015	
68	GP-5_68	GP-5, S-1 (5.5-6)	1/12/1995	5.5 - 6	Primary				0.15	U	0.15	
68	GP-5_68	GP-5, S-2 (7-7.5)	1/12/1995	7 - 7.5	Primary				0.2	U	0.2	
68	GP-5_68	GP-5, S-4 (11.5-12)	1/12/1995	11.5 - 12	Duplicate	GP-5, S-4 (11.5-12)			0.0058	U	0.0058	
68	GP-5_68	GP-5, S-4 (11.5-12)	1/12/1995	11.5 - 12	Primary				0.0058	U	0.0058	
63-64	B-1_63-64	B1-1 (2.1-2.6)	5/26/2010	2.1 - 2.6	Primary		0.16	J				
63-64	B-1_63-64	B1-2 (8.5-10)	5/26/2010	8.5 - 10	Primary							

TABLE 3-5D
SUMMARY OF HISTORIC SOIL GAS SAMPLE PRG EXCEEDANCES
RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE
NEWARK, NEW JERSEY

63-64	B-10_63-64	B10-1 (6-7)	5/26/2010	6 - 7	Primary		***1.8***		
63-64	B-10_63-64	B10-2 (10-11)	5/26/2010	10 - 11	Primary		***0.96***		
63-64	B-11_63-64	B11-1 (2-6)	5/26/2010	2 - 6	Primary				
63-64	B-12_63-64	B12-1 (2.1-2.8)	5/26/2010	2.1 - 2.8	Primary				
63-64	B-12_63-64	B12-2 (6.4-7.5)	5/26/2010	6.4 - 7.5	Primary				
63-64	B-2_63-64	B2-1 (7.5-10)	5/26/2010	7.5 - 10	Primary				
63-64	B-2_63-64	B2-2 (10-12.5)	5/26/2010	10 - 12.5	Primary				
63-64	B-3_63-64	B3-1 (5-7)	5/26/2010	5 - 7	Primary				
63-64	B-3_63-64	B3-1 (5-7)	5/26/2010	5 - 7	Primary		***1.4***		
63-64	B-3_63-64	B3-2 (7-9)	5/26/2010	7 - 9	Primary				
63-64	B-4_63-64	B4-1 (2.5-4)	5/26/2010	2.5 - 4	Primary		0.31		0.64
63-64	B-4_63-64	B4-1 (8-10)	5/26/2010	8 - 10	Primary				
63-64	B-4_63-64	B4-2 (8-10)	5/26/2010	8 - 10	Primary				
63-64	B-5_63-64	B5-1 (1-4)	5/26/2010	1 - 4	Primary				
63-64	B-5_63-64	B5-2 (9-11)	5/26/2010	9 - 11	Primary				
63-64	B-6_63-64	B6-1 (1-2.5)	5/26/2010	1 - 2.5	Primary		***1.1***		
63-64	B-6_63-64	B6-2 (5-5)	5/26/2010	5 - 5	Primary				1.5
63-64	B-7_63-64	B7-1 (8.5-9)	5/26/2010	8.5 - 9	Primary		0.093 J		2.3 J
63-64	B-7_63-64	B7-2 (10-10.5)	5/26/2010	10 - 10.5	Primary		0.44		1.94 J
63-64	B-8_63-64	B8-1 (5-5.5)	5/26/2010	5 - 5.5	Primary				0.35 J
63-64	B-8_63-64	B8-2 (10-11)	5/26/2010	10 - 11	Primary		0.084 J		6.39
63-64	B-8_63-64	B8-2d (10-11)	5/26/2010	10 - 11	Duplicate	B8-2 (10-11)	0.15 J		0.96
63-64	B-9_63-64	B9-1 (5-6)	5/26/2010	5 - 6	Primary				
63-64	B-9_63-64	B9-2 (10-11)	5/26/2010	10 - 11	Primary		0.21 J		
63-64	HF-2_63-64	HF-2 (11-12.5)	9/23/2009	11 - 12.5	Primary		ND	ND	ND
63-64	HF-2_63-64	HF-2R (11-12.5)	9/28/2009	11 - 12.5	Primary			ND	***11.6***
63-64	HF-3_63-64	HF-3 (7-7.5)	9/23/2009	7 - 7.5	Primary		ND	ND	ND
63-64	HF-3_63-64	HF-3R (7-7.5)	9/28/2009	7 - 7.5	Primary			ND	ND
63-64	HF-4_63-64	HF-4 (11-11.5)	9/23/2009	11 - 11.5	Primary		ND	ND	0.0012 J
63-64	HF-5_63-64	HF-5 (6.5-7)	9/23/2009	6.5 - 7	Primary		ND	ND	1.84 J
63-64	HF-6_63-64	HF-6 (10.5-11)	9/23/2009	10.5 - 11	Primary		ND	ND	ND
63-64	HF-7_63-64	HF-7 (16-16.5)	9/23/2009	16 - 16.5	Primary		ND	ND	0.237 J
63-64	HF-NW_63-64	HF-NWA (2-2.5)	9/23/2009	2 - 2.5	Primary		***0.694***	ND	0.0087
63-64	HF-NW_63-64	HF-NWB (6.5-7)	9/23/2009	6.5 - 7	Primary		ND	ND	1.33 J
63-64	HF-NW_63-64	HF-NWC (11.5-12)	9/23/2009	11.5 - 12	Primary		ND	ND	ND
63-64	HF-NW_63-64	HF-NWD (18-18.5)	9/23/2009	18 - 18.5	Primary		ND	ND	ND
63-64	LD-1_63-64	LD-1 (1.5-2)	9/23/2009	1.5 - 2	Primary		ND	ND	0.0103
63-64	LD-1A_63-64	LD-1A (4.5-5)	9/23/2009	4.5 - 5	Primary		0.06	ND	0.0109
63-64	LD-2_63-64	LD-2 (1.5-2)	9/23/2009	1.5 - 2	Primary		0.0508	ND	0.554 J
63-64	LD-3_63-64	LD-3 (1.5-2)	9/23/2009	1.5 - 2	Primary		0.353	ND	0.0063
63-64	LD-4_63-64	LD-4 (2.5-3)	9/23/2009	2.5 - 3	Primary		0.215	ND	0.0056
63-64	LD-5_63-64	LD-5 (10-10.5)	9/23/2009	10 - 10.5	Primary		0.342	ND	***65***
63-64	STG-1_63-64	STG-1 (1.5-2)	9/23/2009	1.5 - 2	Primary		ND	ND	ND
63-64	STG-2_63-64	STG-2 (10-10.5)	9/23/2009	10 - 10.5	Primary		0.413	ND	***8.34***
63-64	STG-3_63-64	STG-3 (2.5-3)	9/23/2009	2.5 - 3	Primary		0.072	ND	0.022
63-64	TRANS-1_63-64	TRANS-1 (0.5-1)	9/23/2009	0.5-1	Primary				
63-64	TRENCH-1_63-64	TRENCH-1 (5.5-6)	9/23/2009	5.5 - 6	Primary		0.432	ND	***27.9***
63-64	TT-1_63-64	TT-1 (1.5-2)	9/23/2009	1.5 - 2	Primary		0.0324 J	ND	0.28 J
63-64	TT-1_63-64	TT-1R (1.5-2)	9/28/2009	1.5 - 2	Primary			ND	ND
63-64	UST-DG/HF-1_63-64	UST-DG/HF-1 (6.5-7)	9/23/2009	6.5 - 7	Primary		ND	ND	ND
63-64	UST-DG/HF-1_63-64	UST-DG/HF-1R (6.5-7)	9/28/2009	6.5 - 7	Primary			ND	ND

Notes:
ARAR = Applicable or Relevant and Appropriate Requirements.
PRG = Preliminary Remediation Goal
ND = Not detected and reporting detection limit is not available
Detected result exceeds ARAR or PRG
Reporting Detection Limit exceeds ARAR or PRG
D - Result is from diluted sample
J - Estimated Value, result >MDL and <RL
K - Estimated, unspecified laboratory non-conformance
U - Not detected above the laboratory reporting limit
Total Xylenes are calculated as the sum of detected concentrations. If the sum the null, the highest reporting limit of the isomers is reported.
Not Analyzed
Only parameters that have a result greater than the selected ARAR/PRG and used in the soil and soil gas alternatives are listed