Appendix D

2006 Environmental Surveillance

Groundwater Results

AGS Research Areas

Analytical Results

FM - 2006 Groundwater Data: Radionuclides
Brookhaven National Laboratory
Project: AGS Research Areas

Analyte	**054-07 depth: 35 1/11/2006** pCi/L				**054-07 depth: 35 4/24/2006** pCi/L				**054-07 depth: 35 7/19/2006** pCi/L				**054-07 depth: 35 10/19/2006** pCi/L				**054-08 depth: 48.5 12/20/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241					-14.3	U	15	9.7	-4.8	U	14	8.7								
Beryllium-7					22	U	86	46	14	U	81	43								
Cesium-134					-7.1	U	11	7	0.6	U	10	6.7								
Cesium-137					4.4	U	12	6.3	-1.5	U	11	6.3								
Co-60					1.8	U	13	6.5	0.6	U	12	6.2								
Cobalt-57					-27	U	55	34	-20	U	47	28								
Europium-152					-13	U	33	20	-6	U	28	16								
Europium-154					-40	U	89	54	7	U	98	52								
Europium-155					-2	U	25	14	0.5	U	22	13								
Manganese-54					-1.7	U	11	6.3	5.9	U	12	5.7								
Sodium-22					107		14	25	94		12	19								
Strontium-90																				
Tritium	**82600**		400	8400	**79000**		300	8000	**56200**		400	5700	**44900**		590	1760	130	U	410	230
Zinc-65					-5	U	21	12	5	U	27	14								

Analyte	**054-124 depth: 32.5 1/11/2006** pCi/L				**054-124 depth: 32.5 4/24/2006** pCi/L				**054-124 depth: 32.5 7/19/2006** pCi/L				**054-124 depth: 32.5 10/18/2006** pCi/L				**054-125 depth: 32.5 11/15/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241					-4.3	U	13	7.7	2.3	U	14	7.8								
Beryllium-7					8	U	75	40	-14	U	79	45								
Cesium-134					-2.8	U	9	5.3	1.8	U	12	6.9								
Cesium-137					-4.7	U	11	6.6	-0.2	U	18	9.6								
Co-60					6.9	U	15	7	1.5	U	19	9.4								
Cobalt-57					-16	U	45	27	-23	U	43	26								
Europium-152					6	U	26	14	0.3	U	28	16								
Europium-154					16	U	87	43	41	U	130	62								
Europium-155					7	U	22	12	8	U	22	12								
Manganese-54					1.9	U	12	6.1	1.6	U	14	7.2								
Sodium-22					-0.03	U	11	5.4	-3.4	U	14	7.8								
Strontium-90																				
Tritium	990		340	270	1100		330	270	1250		440	340	1070		527	372	211	U	622	361
Zinc-65					-0.6	U	22	12	-7	U	26	15								

Analyte	**054-126 depth: 32.5 1/24/2006** pCi/L				**054-126 depth: 32.5 4/24/2006** pCi/L				**054-126 depth: 32.5 7/19/2006** pCi/L				**054-126 depth: 32.5 10/18/2006** pCi/L				**054-127 depth: 29.5 11/17/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241																				
Beryllium-7																				
Cesium-134																				
Cesium-137																				
Co-60																				
Cobalt-57																				
Europium-152																				
Europium-154																				
Europium-155																				
Manganese-54																				
Sodium-22																				
Strontium-90																				
Tritium	110	U	320	170	21	U	330	85	-19.5	U	350	0	-174	U	534	278	136	U	636	363
Zinc-65																				

Analyte	**054-128 depth: 22.5 11/15/2006** pCi/L				**054-129 depth: 28.5 11/15/2006** pCi/L				**054-130 depth: 29.5 11/15/2006** pCi/L				**054-168 depth: 22.5 11/15/2006** pCi/L				**054-169 depth: 22.5 11/15/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241																				
Beryllium-7																				
Cesium-134																				
Cesium-137																				
Co-60																				
Cobalt-57																				
Europium-152																				
Europium-154																				
Europium-155																				
Manganese-54																				
Sodium-22																				
Strontium-90																				
Tritium	214	U	630	365	3670		643	589	74.3	U	617	347	704	J	616	395	103	U	614	348
Zinc-65																				

Analyte	054-184 depth: 40 1/11/2006 pCi/L				054-184 depth: 40 4/24/2006 pCi/L				054-184 depth: 40 7/19/2006 pCi/L				054-184 depth: 40 10/18/2006 pCi/L				054-185 depth: 34 1/11/2006 pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241					1.9	U	14	7.7	-1.1	U	13	9.1								
Beryllium-7					-23	U	59	35	-9	U	71	39								
Cesium-134					-8.2	U	7.9	5.6	3.2	U	9.5	5.5								
Cesium-137					-1.7	U	11	5.9	2	U	12	6.4								
Co-60					1.4	U	14	7	2.4	U	11	5.2								
Cobalt-57					1	U	45	25	-3	U	47	27								
Europium-152					0.6	U	25	14	7	U	28	15								
Europium-154					33	U	85	38	34	U	94	45								
Europium-155					-4	U	19	11	9	U	21	11								
Manganese-54					-3	U	9.8	5.8	-0.4	U	8.4	4.4								
Sodium-22					0.6	U	12	6	12.4	U	14	9.3								
Strontium-90																				
Tritium	260	U	350	220	650		190	150	810		450	330	652	J	531	345	380	J	340	220
Zinc-65					-1	U	18	8.9	-8	U	21	13								

Analyte	054-185 depth: 34 4/24/2006 pCi/L				054-185 depth: 34 7/19/2006 pCi/L				054-185 depth: 34 10/18/2006 pCi/L				054-191 depth: 28 11/17/2006 pCi/L				054-62 depth: 25.7 11/28/2006 pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241					6.1	U	16	8.5												
Beryllium-7					-12	U	91	52												
Cesium-134					4.3	U	12	6.7												
Cesium-137					-5.1	U	14	7.7												
Co-60					4.2	U	19	8.6												
Cobalt-57					8	U	49	27												
Europium-152					19	U	35	19												
Europium-154					-6	U	120	62												
Europium-155					7	U	22	12												
Manganese-54					6.2	U	16	7.7												
Sodium-22					27		14	15												
Strontium-90																				
Tritium	610		330	230	440	J	380	270	1370		536	397	60.6		631	354	-65.6	U	652	354
Zinc-65					-18	U	26	17												

Analyte	**054-63 depth: 49.8 11/30/2006** pCi/L				**054-64 depth: 49.5 11/30/2006** pCi/L				**054-65 depth: 25.2 1/11/2006** pCi/L				**054-65 depth: 25.2 4/24/2006** pCi/L				**054-65 depth: 25.2 10/19/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241																				
Beryllium-7																				
Cesium-134																				
Cesium-137																				
Co-60																				
Cobalt-57																				
Europium-152																				
Europium-154																				
Europium-155																				
Manganese-54																				
Sodium-22																				
Strontium-90																				
Tritium	869	J	608	402	964	J	604	406	40	U	340	200	-180	U	330	210	-50.8	U	573	306
Zinc-65																				

Analyte	054-66 depth: 25.5 11/15/2006 pCi/L				054-67 depth: 25.1 11/15/2006 pCi/L				054-68 depth: 24.8 11/15/2006 pCi/L				054-69 depth: 24.8 11/15/2006 pCi/L				055-14 depth: 24.7 11/17/2006 pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241																				
Beryllium-7																				
Cesium-134																				
Cesium-137																				
Co-60																				
Cobalt-57																				
Europium-152																				
Europium-154																				
Europium-155																				
Manganese-54																				
Sodium-22																				
Strontium-90																				
Tritium	-30.7	U	600	329	-31.2	U	610	334	220	U	603	351	281	U	611	360	-74.6	U	636	346
Zinc-65																				

Analyte	**055-15 depth: 25.5 11/28/2006** pCi/L				**055-16 depth: 24.7 11/28/2006** pCi/L				**055-30 depth: 27.5 11/17/2006** pCi/L				**055-31 depth: 50 4/14/2006** pCi/L				**055-31 depth: 50 10/19/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241																				
Beryllium-7																				
Cesium-134																				
Cesium-137																				
Co-60																				
Cobalt-57																				
Europium-152																				
Europium-154																				
Europium-155																				
Manganese-54																				
Sodium-22																				
Strontium-90																				
Tritium	277	U	590	349	196		612	354	106	U	635	360	260	J	230	150	156	U	586	334
Zinc-65																				

Analyte	055-32 depth: -1.18 11/17/2006 pCi/L				064-03 depth: 48 11/30/2006 pCi/L				064-51 depth: 46 12/20/2006 pCi/L				064-53 depth: 39.8 11/30/2006 pCi/L				064-54 depth: 40.5 11/30/2006 pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241																				
Beryllium-7																				
Cesium-134																				
Cesium-137																				
Co-60																				
Cobalt-57																				
Europium-152																				
Europium-154																				
Europium-155																				
Manganese-54																				
Sodium-22																				
Strontium-90																				
Tritium	201	U	651	377	-275	U	606	312	170	U	410	230	217	U	608	354	-162	U	612	325
Zinc-65																				

Analyte	**064-55 depth: 30.5 11/17/2006** pCi/L				**064-56 depth: 29.5 11/17/2006** pCi/L				**064-80 depth: 29.5 11/17/2006** pCi/L				**064-95 depth: 47.2 1/11/2006** pCi/L				**064-95 depth: 47.2 7/19/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241																				
Beryllium-7																				
Cesium-134																				
Cesium-137																				
Co-60																				
Cobalt-57																				
Europium-152																				
Europium-154																				
Europium-155																				
Manganese-54																				
Sodium-22																				
Strontium-90																				
Tritium	180	U	632	364	229	U	644	375	1790		669	496	1060		340	270	690		370	260
Zinc-65																				

Analyte	**064-95 depth: 52.2 10/19/2006** pCi/L				**065-02 depth: 60 1/12/2006** pCi/L				**065-02 depth: 60 4/24/2006** pCi/L				**065-02 depth: 60 10/24/2006** pCi/L				**065-120 depth: 29.9 11/28/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241																				
Beryllium-7																				
Cesium-134																				
Cesium-137																				
Co-60																				
Cobalt-57																				
Europium-152																				
Europium-154																				
Europium-155																				
Manganese-54																				
Sodium-22																				
Strontium-90																				
Tritium	980	J	571	400	4580		330	590	150	U	330	200	**65100**		655	1920	274	U	614	361
Zinc-65																				

Analyte	**065-121 depth: 26.5 4/12/2006** pCi/L				**065-121 depth: 26.5 10/19/2006** pCi/L				**065-122 depth: 26.5 1/12/2006** pCi/L				**065-122 depth: 26.3 1/24/2006** pCi/L				**065-122 depth: 26.3 4/12/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241																				
Beryllium-7																				
Cesium-134																				
Cesium-137																				
Co-60																				
Cobalt-57																				
Europium-152																				
Europium-154																				
Europium-155																				
Manganese-54																				
Sodium-22																				
Strontium-90																				
Tritium	240	U	360	220	401	U	588	359	290	U	330	200	1060		320	260	920		360	270
Zinc-65																				

Analyte	**065-122 depth: 26.3 10/19/2006** pCi/L				**065-123 depth: 25.7 1/24/2006** pCi/L				**065-123 depth: 24.7 4/12/2006** pCi/L				**065-123 depth: 23.7 10/19/2006** pCi/L				**065-124 depth: 25.8 1/24/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241																				
Beryllium-7																				
Cesium-134																				
Cesium-137																				
Co-60																				
Cobalt-57																				
Europium-152																				
Europium-154																				
Europium-155																				
Manganese-54																				
Sodium-22																				
Strontium-90																				
Tritium	104	U	585	328	**33500**		300	3500	**89800**		400	9100	**52500**		568	1870	**49600**		300	5100
Zinc-65																				

Analyte	**065-124 depth: 25.8 4/12/2006** pCi/L				**065-124 depth: 25.8 10/19/2006** pCi/L				**065-125 depth: 25.5 1/24/2006** pCi/L				**065-125 depth: 25.5 4/14/2006** pCi/L				**065-125 depth: 26.5 10/19/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241																				
Beryllium-7																				
Cesium-134																				
Cesium-137																				
Co-60																				
Cobalt-57																				
Europium-152																				
Europium-154																				
Europium-155																				
Manganese-54																				
Sodium-22																				
Strontium-90																				
Tritium	8160		360	950	1650		588	461	450	J	330	220	570		230	190	418	U	590	361
Zinc-65																				

Analyte	**065-126 depth: 26 4/14/2006** pCi/L				**065-126 depth: 26 10/24/2006** pCi/L				**065-173 depth: 40 1/12/2006** pCi/L				**065-173 depth: 40 4/24/2006** pCi/L				**065-173 depth: 40 5/2/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241																				
Beryllium-7																				
Cesium-134																				
Cesium-137																				
Co-60																				
Cobalt-57																				
Europium-152																				
Europium-154																				
Europium-155																				
Manganese-54																				
Sodium-22																				
Strontium-90																	1.21	J(+)-S	0.629	0.427
Tritium	60	U	230	130	-128	U	655	355	60	U	330	180	-110	U	330	180				
Zinc-65																				

Analyte	**065-173 depth: 40 10/10/2006** pCi/L				**065-173 depth: 40 10/24/2006** pCi/L				**065-192 depth: 52.5 11/28/2006** pCi/L				**065-193 depth: 55 1/12/2006** pCi/L				**065-193 depth: 55 4/12/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241																				
Beryllium-7																				
Cesium-134																				
Cesium-137																				
Co-60																				
Cobalt-57																				
Europium-152																				
Europium-154																				
Europium-155																				
Manganese-54																				
Sodium-22																				
Strontium-90	0.68	J-D	0.48	0.33																
Tritium					-72.6	U	521	278	225	U	605	352	40	U	330	160	-70	U	360	220
Zinc-65																				

Analyte	**065-193 depth: 55 10/19/2006** pCi/L				**065-194 depth: 50 1/24/2006** pCi/L				**065-194 depth: 50 4/12/2006** pCi/L				**065-194 depth: 50 10/19/2006** pCi/L				**065-195 depth: 50 4/14/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241																				
Beryllium-7																				
Cesium-134																				
Cesium-137																				
Co-60																				
Cobalt-57																				
Europium-152																				
Europium-154																				
Europium-155																				
Manganese-54																				
Sodium-22																				
Strontium-90																				
Tritium	260	U	587	345	100	U	330	180	90	U	360	230	-33.6	U	584	314	-9	U	230	270
Zinc-65																				

Analyte	**065-195 depth: 50 10/19/2006** pCi/L				**065-321 depth: 32 1/24/2006** pCi/L				**065-321 depth: 32 4/12/2006** pCi/L				**065-321 depth: 34.5 10/19/2006** pCi/L				**065-322 depth: 32 1/24/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241																				
Beryllium-7																				
Cesium-134																				
Cesium-137																				
Co-60																				
Cobalt-57																				
Europium-152																				
Europium-154																				
Europium-155																				
Manganese-54																				
Sodium-22																				
Strontium-90																				
Tritium	124	U	594	335	60	U	320	150	30	U	360	140	225	U	584	340	200	U	320	190
Zinc-65																				

Analyte	**065-322 depth: 32 4/12/2006** pCi/L				**065-322 depth: 34.5 10/19/2006** pCi/L				**065-323 depth: 30 4/12/2006** pCi/L				**065-323 depth: 30 10/19/2006** pCi/L				**065-324 depth: 28 1/24/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241																				
Beryllium-7																				
Cesium-134																				
Cesium-137																				
Co-60																				
Cobalt-57																				
Europium-152																				
Europium-154																				
Europium-155																				
Manganese-54																				
Sodium-22																				
Strontium-90																				
Tritium	370	J	360	230	379	U	582	353	260	U	360	230	844	J	582	395	3590		320	490
Zinc-65																				

Analyte	**065-324 depth: 28 4/12/2006** pCi/L				**065-324 depth: 28 10/19/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241								
Beryllium-7								
Cesium-134								
Cesium-137								
Co-60								
Cobalt-57								
Europium-152								
Europium-154								
Europium-155								
Manganese-54								
Sodium-22								
Strontium-90								
Tritium	1780		360	340	969	J	585	406
Zinc-65								

Building 801

Analytical Results

FM - 2006 Groundwater Data: Radionuclides
Brookhaven National Laboratory
Project: Building 801

Analyte	**065-325 depth: 64 4/24/2006** pCi/L				**065-325 depth: 73.5 10/24/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241	10.7	U	15	8.72	1.48	U	19.3	11.6
Beryllium-7	4.21	U	21.8	12	0.799	U	24.5	13.5
Cesium-134	2.08	U	2.27	1.14	0.563	U	2.59	1.39
Cesium-137	0.75	U	1.9	1.16	-0.176	U	2.35	1.33
Co-60	-0.302	U	1.9	1.08	1.11	U	2.76	1.35
Cobalt-57	-0.546	U	1.77	1.02	-0.0547	U	2.29	1.3
Europium-152	0.269	U	5.79	3.43	-3.15	U	7.32	4.52
Europium-154	0.184	U	5.34	2.92	15.4	J-UI	9.11	7.48
Europium-155	0.392	U	7.42	4.18	1.08	U	9.7	5.4
Gross Alpha	0.924	U	1.71	1.13	0.477	U	1.88	1.33
Gross Beta	123		2.44	3.59	114		1.34	5.16
Manganese-54	-0.363	U	1.9	1.12	0.514	U	2.48	1.53
Sodium-22	0.064	U	1.93	1.05	5.51	J-UI	3.06	2.68
Strontium-90	**59.9**		0.763	2.14	**46.1**		0.793	1.96
Tritium	82.1	U	749	429	-183	U	655	351
Zinc-65	1.02	U	4.52	2.42	3.15	U	5.02	2.26

BLIP Facility

Analytical Results

FM - 2006 Groundwater Data: Radionuclides
Brookhaven National Laboratory
Project: BLIP Facility

Analyte	**054-61 depth: 25 4/20/2006** pCi/L				**054-61 depth: 25 10/18/2006** pCi/L				**064-46 depth: 54.5 4/19/2006** pCi/L				**064-46 depth: 52.5 10/18/2006** pCi/L				**064-47 depth: 55.5 1/10/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241																				
Beryllium-7																				
Cesium-134																				
Cesium-137																				
Co-60																				
Cobalt-57																				
Europium-152																				
Europium-154																				
Europium-155																				
Manganese-54																				
Sodium-22																				
Tritium	200	U	340	220	26.2	U	537	298	-10	U	340	120	80.8	U	538	303	160	U	250	160
Zinc-65																				

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Project: BLIP Facility

Analyte	**064-47 depth: 55.5 4/19/2006** pCi/L				**064-47 depth: 55.5 7/24/2006** pCi/L				**064-47 depth: 55.5 10/18/2006** pCi/L				**064-48 depth: 55.5 1/10/2006** pCi/L				**064-48 depth: 55.5 4/20/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241					-2.6	U	13	7.7												
Beryllium-7					-5	U	71	39												
Cesium-134					1.4	U	9.8	6.1												
Cesium-137					-2.7	U	10	6												
Co-60					4.8	U	15	6.8												
Cobalt-57					2	U	47	26												
Europium-152					-0.1	U	28	16												
Europium-154					-27	U	78	46												
Europium-155					3	U	21	11												
Manganese-54					-0.9	U	9.3	5												
Sodium-22					-0.06	U	11	5.4												
Tritium	200	U	340	210	20	U	370	150	216	U	537	314	**31400**		200	3300	1850		340	340
Zinc-65					-10	U	22	13												

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Project: BLIP Facility

Analyte	**064-48 depth: 55.5 7/24/2006** pCi/L				**064-48 depth: 55.5 10/18/2006** pCi/L				**064-49 depth: 43 4/20/2006** pCi/L				**064-49 depth: 41 10/18/2006** pCi/L				**064-50 depth: 40.5 4/20/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241	0.4	U	13	7.1																
Beryllium-7	-19	U	68	39																
Cesium-134	-2.4	U	9.3	5.4																
Cesium-137	0.6	U	11	6.2																
Co-60	-5.7	U	11	6.9																
Cobalt-57	-6	U	41	23																
Europium-152	4	U	27	15																
Europium-154	-14	U	73	41																
Europium-155	2	U	20	11																
Manganese-54	-2.5	U	9.4	5.4																
Sodium-22	6.5	U	16	7.5																
Tritium	1880		370	350	5080		533	589	90	U	340	220	0	U	541	298	170	U	340	210
Zinc-65	-6	U	21	12																

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Project: BLIP Facility

Analyte	064-50 depth: 40.5 10/18/2006 pCi/L				064-67 depth: 58.5 1/10/2006 pCi/L				064-67 depth: 58.5 4/20/2006 pCi/L				064-67 depth: 56 7/24/2006 pCi/L				064-67 depth: 58.5 10/18/2006 pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241													4.7	U	12	6.7				
Beryllium-7													19	U	80	43				
Cesium-134													-4.7	U	11	6.6				
Cesium-137													-2.4	U	10	5.9				
Co-60													-3.3	U	11	6.4				
Cobalt-57													-14	U	48	28				
Europium-152													16	U	33	17				
Europium-154													24	U	100	51				
Europium-155													2	U	21	12				
Manganese-54													-1.4	U	11	6.3				
Sodium-22													141		14	28				
Tritium	240	U	532	313	2530		240	430	10000		300	1100	12100		400	1300	5830		533	620
Zinc-65													12	U	28	13				

Medical Research Reactor

Analytical Results

FM - 2006 Groundwater Data: Radionuclides
Brookhaven National Laboratory
Project: Medical Research Reactor

Analyte	**084-12 depth: 62.5 9/25/2006** pCi/L				**084-13 depth: 60.5 9/25/2006** pCi/L				**084-27 depth: 58 9/25/2006** pCi/L				**084-28 depth: 55.5 9/25/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241	-3.3	U	12	7.1	2.7	U	13	7.3	-1.4	U	14	8.4	-2.2	U	13	7.5
Beryllium-7	2	U	69	38	6	U	64	33	-4	U	75	41	-21	U	76	44
Cesium-134	-8.1	U	11	6.8	0.6	U	8.3	5.1	-2.8	U	9.2	5.4	-3.1	U	7	5.2
Cesium-137	2.9	U	11	5.4	1.5	U	11	5.6	7.4	U	11	5.2	-5.2	U	9.9	6.2
Co-60	3.7	U	14	6.6	0.5	U	13	6.5	3.8	U	13	6	-0.5	U	12	5.9
Cobalt-57	-31	U	42	27	7	U	46	26	-38	U	42	27	0.2	U	43	24
Europium-152	9	U	28	15	2	U	25	14	-11	U	24	15	5	U	27	15
Europium-154	-7	U	91	51	-13	U	92	51	-7	U	74	40	-32	U	80	48
Europium-155	5	U	19	10	1	U	21	12	-1	U	18	10	2	U	19	11
Gross Alpha	1.1	U	1.6	1.1	1.4	U	3.6	2.1	3.3		1.5	1.4	1.3	U	2.5	1.6
Gross Beta	3.8	J	2.3	1.5	5.8		3.9	2.6	6.1		1.9	1.5	3.9	J	2.6	1.8
Manganese-54	-6.9	U	9.5	6.2	0.9	U	9.5	4.9	-0.4	U	9.8	5.3	4.9	U	11	5.2
Sodium-22	1.2	U	12	5.8	0.8	U	11	5.6	-3.5	U	8.1	4.9	-3	U	8.5	5
Tritium	540		220	200	590		220	200	1570		220	320	50	U	220	130
Zinc-65	0.4	U	22	12	-11	U	15	10	-6.8	U	14	8.7	1	U	25	13

RHIC Facility

Analytical Results

FM - 2006 Groundwater Data: Radionuclides
Brookhaven National Laboratory
Project: RHIC Facility

Analyte	**025-03 depth: 45.7 4/19/2006** pCi/L				**025-03 depth: 45.8 8/29/2006** pCi/L				**025-04 depth: 45.8 4/19/2006** pCi/L				**025-04 depth: 45.8 8/29/2006** pCi/L				**025-05 depth: 11.8 1/10/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	100	U	340	230	80	U	340	190	120	U	340	210	110	U	340	190	-50	U	240	110

FM - 2006 Groundwater Data: Radionuclides
Brookhaven National Laboratory
Project: RHIC Facility

Analyte	**025-05 depth: 11.8 2/8/2006** pCi/L				**025-05 depth: 11.8 6/8/2006** pCi/L				**025-05 depth: 11.8 8/29/2006** pCi/L				**025-06 depth: 12.4 1/10/2006** pCi/L				**025-06 depth: 11.4 2/8/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	110	U	250	150	-90	U	360	190	10	U	340	120	-70	U	240	110	90	U	260	170

FM - 2006 Groundwater Data: Radionuclides
Brookhaven National Laboratory
Project: RHIC Facility

Analyte	**025-06 depth: 12.4 6/8/2006** pCi/L				**025-06 depth: 12.4 8/29/2006** pCi/L				**025-07 depth: 12.3 2/8/2006** pCi/L				**025-07 depth: 13.3 8/10/2006** pCi/L				**025-08 depth: 12.3 2/8/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	20	U	350	200	13	U	330	87	30	U	260	190	70	U	360	220	-30	U	250	120

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Brookhaven National Laboratory
Project: RHIC Facility

Analyte	**025-08 depth: 12.3 8/10/2006** pCi/L				**034-05 depth: 42.5 4/19/2006** pCi/L				**034-05 depth: 42.5 8/3/2006** pCi/L				**034-06 depth: 41.8 4/19/2006** pCi/L				**034-06 depth: 41.8 8/3/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-50	U	360	190	210	U	340	200	20	U	340	150	200	U	340	220	50	U	340	190

FM - 2006 Groundwater Data: Radionuclides
Brookhaven National Laboratory
Project: RHIC Facility

Analyte	**043-01 depth: 41.3 2/8/2006** pCi/L				**043-01 depth: 41.3 8/3/2006** pCi/L				**043-02 depth: 64.3 2/8/2006** pCi/L				**043-02 depth: 63.8 8/3/2006** pCi/L				**044-13 depth: 38.3 2/8/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-30	U	250	130	140	U	340	210	40	U	250	140	-9	U	340	310	50	U	250	140

Analyte	**044-13 depth: 38.3 8/10/2006** pCi/L				**044-14 depth: 59 2/8/2006** pCi/L				**044-14 depth: 59 8/10/2006** pCi/L				**044-29 depth: 34.5 2/8/2006** pCi/L				**044-29 depth: 34.5 8/29/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-40	U	360	210	30	U	250	130	60	U	360	190	30	U	250	140	190	U	340	210

Major Petroleum Facility
Analytical Results

FM - 2006 Groundwater Data: Volatile Organic Compounds
Brookhaven National Laboratory
Project: Major Petroleum Facility

Analyte	076-16 depth: 35 4/10/2006 (ug/L)		076-16 depth: 35 10/17/2006 (ug/L)		076-17 depth: 35 4/10/2006 (ug/L)		076-17 depth: 35 10/17/2006 (ug/L)		076-18 depth: 30 4/10/2006 (ug/L)		076-18 depth: 30 10/17/2006 (ug/L)		076-19 depth: 30 4/10/2006 (ug/L)		076-19 depth: 30 10/17/2006 (ug/L)	
1,1,1-Trichloroethane	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
1,1,2,2-Tetrachloroethane	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
1,1,2-Trichloroethane	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
1,1-Dichloroethane	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
1,1-Dichloroethylene	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
1,2-Dichloroethane	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
1,2-Dichloropropane	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
2-Hexanone			10	U			10	U			10	U			10	U
Acetone			3.1	J			2.8	J			3.8	J			1.4	J
Benzene	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Bromodichloromethane	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Bromoform	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Carbon disulfide			5	U			5	U			5	U			5	U
Carbon tetrachloride	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Chlorobenzene	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Chloroethane	1	U	10	U	1	U	10	U	1	U	10	U	1	U	10	U
Chloroform	0.327	J	0.37	J	1	U	5	U	1	U	5	U	1	U	5	U
cis-1,3-Dichloropropene	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Dibromochloromethane	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Ethene, 1,2-dichloro-, (E)-	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Ethylbenzene	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
m-Dichlorobenzene	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Methyl bromide	1	U	10	U	1	U	10	U	1	U	10	U	1	U	10	U
Methyl chloride	1	U	10	U	1	U	10	U	1	U	10	U	1	U	10	U
Methyl ethyl ketone			10	U			10	U			10	U			10	U
Methyl isobutyl ketone (MIBK)			10	U			10	U			10	U			10	U
Methyl tert-butyl ether	5	U	10	U	5	U	10	U	5	U	10	U	5	U	10	U
Methylene chloride	2	U	0.28	J B	2	U	0.25	J B	2	U	0.17	J B	2	U	0.15	J B
o-Dichlorobenzene	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
p-Dichlorobenzene	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Tetrachloroethylene	1	U	0.7	J	1	U	0.7	J	1	U	0.72	J	1	U	0.7	J
Toluene	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
trans-1,3-Dichloropropene	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Trichloroethylene	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Trichlorofluoromethane	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Vinyl chloride	1	U	10	U	1	U	10	U	1	U	10	U	1	U	10	U

FM - 2006 Groundwater Data: Volatile Organic Compounds
Brookhaven National Laboratory
Project: Major Petroleum Facility

Analyte	076-25 depth: 42 4/10/2006 (ug/L)		076-25 depth: 42 10/17/2006 (ug/L)		076-378 depth: 34.5 4/10/2006 (ug/L)		076-378 depth: 34.5 10/17/2006 (ug/L)		076-379 depth: 35.5 4/10/2006 (ug/L)		076-379 depth: 35.5 10/17/2006 (ug/L)		076-380 depth: 34.5 4/10/2006 (ug/L)		076-380 depth: 34.5 10/17/2006 (ug/L)	
1,1,1-Trichloroethane	0.75	J	0.69	J	1	U	5	U	1	U	5	U	0.327	J	0.62	J
1,1,2,2-Tetrachloroethane	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
1,1,2-Trichloroethane	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
1,1-Dichloroethane	1	U	0.26	J	1	U	5	U	1	U	5	U	1	U	5	U
1,1-Dichloroethylene	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
1,2-Dichloroethane	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
1,2-Dichloropropane	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
2-Hexanone			10	U			10	U			10	U			10	U
Acetone			1.9	J			1.6	J			2.8	J			1.6	J
Benzene	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Bromodichloromethane	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Bromoform	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Carbon disulfide			5	U			5	U			5	U			5	U
Carbon tetrachloride	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Chlorobenzene	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Chloroethane	1	U	10	U	1	U	10	U	1	U	10	U	1	U	10	U
Chloroform	2.19		1.2	J	1	U	5	U	1	U	5	U	1	U	5	U
cis-1,3-Dichloropropene	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Dibromochloromethane	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Ethene, 1,2-dichloro-, (E)-	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Ethylbenzene	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
m-Dichlorobenzene	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Methyl bromide	1	U	10	U	1	U	10	U	1	U	10	U	1	U	10	U
Methyl chloride	1	U	0.24	J	1	U	10	U	1	U	0.22	J	1	U	0.24	J
Methyl ethyl ketone			10	U			10	U			10	U			10	U
Methyl isobutyl ketone (MIBK)			10	U			10	U			10	U			10	U
Methyl tert-butyl ether	5	U	10	U	5	U	10	U	5	U	10	U	5	U	10	U
Methylene chloride	2	U	5	U	2	U	0.12	J B	2	U	0.19	J B	2	U	0.19	J B
o-Dichlorobenzene	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
p-Dichlorobenzene	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Tetrachloroethylene	0.714	J	1.6	J	1	U	0.75	J	1	U	0.9	J	**5.04**		**7.7**	
Toluene	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
trans-1,3-Dichloropropene	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Trichloroethylene	1	U	5	U	1	U	5	U	1	U	5	U	1	U	0.71	J
Trichlorofluoromethane	1	U	5	U	1	U	5	U	1	U	5	U	1	U	5	U
Vinyl chloride	1	U	10	U	1	U	10	U	1	U	10	U	1	U	10	U

FM - 2006 Groundwater Data: Semivolatile Organic Compounds
Brookhaven National Laboratory
Project: Major Petroleum Facility

Analyte	076-16 depth: 35 4/10/2006 (ug/L)		076-16 depth: 35 10/17/2006 (ug/L)		076-17 depth: 35 4/10/2006 (ug/L)		076-17 depth: 35 10/17/2006 (ug/L)		076-18 depth: 30 4/10/2006 (ug/L)		076-18 depth: 30 10/17/2006 (ug/L)		076-19 depth: 30 4/10/2006 (ug/L)		076-19 depth: 30 10/17/2006 (ug/L)	
1,2,4-Trichlorobenzene	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
2,4,5-Trichlorophenol	9.62	U			9.62	U			9.71	U			9.62	U		
2,4,6-Trichlorophenol	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
2,4-Dichlorophenol	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
2,4-Dimethylphenol	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
2,4-Dinitrophenol	19.2	U	50	U	19.2	U	50	U	19.4	U	50	U	19.2	U	50	U
2,4-Dinitrotoluene	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
2,6-Dinitrotoluene	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
2-Chloronaphthalene	0.962	U	10	U	0.962	U	10	U	0.971	U	10	U	0.962	U	10	U
2-Chlorophenol	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
2-Methylnaphthalene	0.962	U			0.962	U			0.971	U			0.962	U		
3,3'-Dichlorobenzidine	9.62	U	40	U	9.62	U	40	U	9.71	U	40	U	9.62	U	40	U
4,6-Dinitro-o-cresol	9.62	U	50	U	9.62	U	50	U	9.71	U	50	U	9.62	U	50	U
4-Bromophenyl phenyl ether	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
4-Chlorophenyl phenyl ether	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
Acenaphthene	0.962	U	10	U	0.962	U	10	U	0.971	U	10	U	0.962	U	10	U
Acenaphthylene	0.962	U	10	U	0.962	U	10	U	0.971	U	10	U	0.962	U	10	U
Anthracene	0.962	U	10	U	0.962	U	10	U	0.971	U	10	U	0.962	U	10	U
Benzidine	48.1	U			48.1	U			48.5	U			48.1	U		
Benzo(a)anthracene	0.962	U	10	U	0.962	U	10	U	0.971	U	10	U	0.962	U	10	U
Benzo(a)pyrene	0.962	U	10	U	0.962	U	10	U	0.971	U	10	U	0.962	U	10	U
Benzo(b)fluoranthene	0.962	U	10	U	0.962	U	10	U	0.971	U	10	U	0.962	U	10	U
Benzo(ghi)perylene	0.962	U	10	U	0.962	U	10	U	0.971	U	10	U	0.962	U	10	U
Benzo(k)fluoranthene	0.962	U	10	U	0.962	U	10	U	0.971	U	10	U	0.962	U	10	U
Bis(2-chloroethoxy)methane	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
Bis(2-chloroethyl)ether	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
Bis(2-ethylhexyl)phthalate	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
bis-chloroisopropyl ether	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
Butyl benzyl phthalate	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
Chrysene	0.962	U	10	U	0.962	U	10	U	0.971	U	10	U	0.962	U	10	U
Di-n-butyl phthalate	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
Di-n-octyl phthalate	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
Dibenzo(a,h)anthracene	0.962	U	10	U	0.962	U	10	U	0.971	U	10	U	0.962	U	10	U
Dibenzofuran	9.62	U			9.62	U			9.71	U			9.62	U		
Diethyl phthalate	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
Dimethyl phthalate	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
Fluoranthene	0.962	U	10	U	0.962	U	10	U	0.971	U	10	U	0.962	U	10	U
Fluorene	0.962	U	10	U	0.962	U	10	U	0.971	U	10	U	0.962	U	10	U
Hexachlorobenzene	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
Hexachlorobutadiene	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
Hexachlorocyclopentadiene	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
Hexachloroethane	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
Indeno(1,2,3-cd)pyrene	0.962	U	10	U	0.962	U	10	U	0.971	U	10	U	0.962	U	10	U
Isophorone	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
m-Dichlorobenzene	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
N-Nitrosodimethylamine	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
N-Nitrosodiphenylamine			10	U			10	U			10	U			10	U
N-Nitrosodipropylamine	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
Naphthalene	0.962	U	10	U	0.962	U	10	U	0.971	U	10	U	0.962	U	10	U
Nitrobenzene	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
o-Dichlorobenzene	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
o-Nitrophenol	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
p-Chloro-m-cresol	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
p-Dichlorobenzene	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
p-Nitrophenol	9.62	U	50	U	9.62	U	50	U	9.71	U	50	U	9.62	U	50	U
PCP	9.62	U	50	U	9.62	U	50	U	9.71	U	50	U	9.62	U	50	U
Phenanthrene	0.962	U	10	U	0.962	U	10	U	0.971	U	10	U	0.962	U	10	U
Phenol	9.62	U	10	U	9.62	U	10	U	9.71	U	10	U	9.62	U	10	U
Pyrene	0.962	U	10	U	0.962	U	10	U	0.971	U	10	U	0.962	U	10	U

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Analyte	076-25 depth: 42 4/10/2006 (ug/L)		076-25 depth: 42 10/17/2006 (ug/L)		076-378 depth: 34.5 4/10/2006 (ug/L)		076-378 depth: 34.5 10/17/2006 (ug/L)		076-379 depth: 35.5 4/10/2006 (ug/L)		076-379 depth: 35.5 10/17/2006 (ug/L)		076-380 depth: 34.5 4/10/2006 (ug/L)		076-380 depth: 34.5 10/17/2006 (ug/L)	
1,2,4-Trichlorobenzene	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
2,4,5-Trichlorophenol	9.62	U			9.62	U			9.62	U			9.62	U		
2,4,6-Trichlorophenol	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
2,4-Dichlorophenol	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
2,4-Dimethylphenol	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
2,4-Dinitrophenol	19.2	U	50	U	19.2	U	50	U	19.2	U	50	U	19.2	U	50	U
2,4-Dinitrotoluene	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
2,6-Dinitrotoluene	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
2-Chloronaphthalene	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U
2-Chlorophenol	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
2-Methylnaphthalene	0.962	U			0.962	U			0.962	U			0.962	U		
3,3'-Dichlorobenzidine	9.62	U	40	U	9.62	U	40	U	9.62	U	40	U	9.62	U	40	U
4,6-Dinitro-o-cresol	9.62	U	50	U	9.62	U	50	U	9.62	U	50	U	9.62	U	50	U
4-Bromophenyl phenyl ether	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
4-Chlorophenyl phenyl ether	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
Acenaphthene	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U
Acenaphthylene	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U
Anthracene	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U
Benzidine	48.1	U			48.1	U			48.1	U			48.1	U		
Benzo(a)anthracene	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U
Benzo(a)pyrene	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U
Benzo(b)fluoranthene	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U
Benzo(ghi)perylene	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U
Benzo(k)fluoranthene	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U
Bis(2-chloroethoxy)methane	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
Bis(2-chloroethyl)ether	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
Bis(2-ethylhexyl)phthalate	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
bis-chloroisopropyl ether	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
Butyl benzyl phthalate	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
Chrysene	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U
Di-n-butyl phthalate	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
Di-n-octyl phthalate	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
Dibenzo(a,h)anthracene	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U
Dibenzofuran	9.62	U			9.62	U			9.62	U			9.62	U		
Diethyl phthalate	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
Dimethyl phthalate	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
Fluoranthene	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U
Fluorene	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U
Hexachlorobenzene	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
Hexachlorobutadiene	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
Hexachlorocyclopentadiene	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
Hexachloroethane	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
Indeno(1,2,3-cd)pyrene	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U
Isophorone	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
m-Dichlorobenzene	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
N-Nitrosodimethylamine	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
N-Nitrosodiphenylamine			10	U			10	U			10	U			10	U
N-Nitrosodipropylamine	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
Naphthalene	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U
Nitrobenzene	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
o-Dichlorobenzene	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
o-Nitrophenol	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
p-Chloro-m-cresol	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
p-Dichlorobenzene	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
p-Nitrophenol	9.62	U	50	U	9.62	U	50	U	9.62	U	50	U	9.62	U	50	U
PCP	9.62	U	50	U	9.62	U	50	U	9.62	U	50	U	9.62	U	50	U
Phenanthrene	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U
Phenol	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U	9.62	U	10	U
Pyrene	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U	0.962	U	10	U

Motor Pool Area

Analytical Results

FM - 2006 Groundwater Data: Volatile Organic Compounds
Brookhaven National Laboratory
Project: Motor Pool Area

Analyte	102-05 depth: 58.5 3/14/2006 (ug/L)		102-05 depth: 57.5 9/28/2006 (ug/L)		102-06 depth: 53.7 3/14/2006 (ug/L)		102-06 depth: 53.2 9/28/2006 (ug/L)		102-10 depth: 53 3/14/2006 (ug/L)		102-10 depth: 53 9/28/2006 (ug/L)		102-11 depth: 51.5 9/27/2006 (ug/L)	
1,1,1,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	0.32	J	1.3		0.44	J	0.11	J	2.3		0.48	J	**8.6**	
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.17	J	0.5	U	2.4	
1,1-Dichloroethylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2,2-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene, 1,2,4-trimethyl	0.5	U	0.5	U	0.5	U	0.5		0.5	U	0.5	U	0.5	U
Benzene, 1,3,5-trimethyl-	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene, 1-methylethyl-	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromodichloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon tetrachloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobromomethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroform	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cymene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
DBCP	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromochloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dichlorodifluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
EDB	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethene, 1,2-dichloro-, (E)-	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Hexachlorobutadiene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
m-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
m/p xylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl bromide	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl tert-butyl ether	0.5	U	0.5	U	0.5	U	0.5	U	0.21	J	0.5	U	0.11	J
Methylene chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
n-Butylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
n-Propylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Naphthalene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
o-Chlorotoluene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
o-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
o-Xylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
p-Chlorotoluene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
p-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
sec-Butylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Styrene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
tert-Butylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Toluene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vinyl chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
524.2 TVOC	0.32		1.3		0.44		0.11		2.68		0.48		11.11	

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Analyte	102-12 depth: 51.5 9/27/2006 (ug/L)		102-13 depth: 51.7 9/28/2006 (ug/L)	
1,1,1,2-Tetrachloroethane	0.5	U	0.5	U
1,1,1-Trichloroethane	**18**		**14**	
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U
1,1,2-Trichloroethane	0.5	U	0.5	U
1,1-Dichloroethane	**6.6**		2.7	
1,1-Dichloroethylene	0.18	J	0.5	U
1,1-Dichloropropene	0.5	U	0.5	U
1,2,3-Trichlorobenzene	0.5	U	0.5	U
1,2,3-Trichloropropane	0.5	U	0.5	U
1,2,4-Trichlorobenzene	0.5	U	0.5	U
1,2-Dichloroethane	0.5	U	0.5	U
1,2-Dichloropropane	0.5	U	0.5	U
1,3-Dichloropropane	0.5	U	0.5	U
2,2-Dichloropropane	0.5	U	0.5	U
Benzene	0.5	U	0.5	U
Benzene, 1,2,4-trimethyl	0.5	U	0.5	U
Benzene, 1,3,5-trimethyl-	0.5	U	0.5	U
Benzene, 1-methylethyl-	0.5	U	0.5	U
Bromobenzene	0.5	U	0.5	U
Bromodichloromethane	0.5	U	0.5	U
Bromoform	0.5	U	0.5	U
Carbon tetrachloride	0.5	U	0.5	U
Chlorobenzene	0.5	U	0.5	U
Chlorobromomethane	0.5	U	0.5	U
Chloroethane	0.5	U	0.5	U
Chloroform	0.091	J	0.094	J
cis-1,2-Dichloroethylene	0.5	U	0.5	U
cis-1,3-Dichloropropene	0.5	U	0.5	U
Cymene	0.5	U	0.5	U
DBCP	0.5	U	0.5	U
Dibromochloromethane	0.5	U	0.5	U
Dibromomethane	0.5	U	0.5	U
Dichlorodifluoromethane	0.5	U	0.5	U
EDB	0.5	U	0.5	U
Ethene, 1,2-dichloro-, (E)-	0.5	U	0.5	U
Ethylbenzene	0.5	U	0.5	U
Hexachlorobutadiene	0.5	U	0.5	U
m-Dichlorobenzene	0.5	U	0.5	U
m/p xylene	0.5	U	0.5	U
Methyl bromide	0.5	U	0.5	U
Methyl chloride	0.5	U	0.5	U
Methyl tert-butyl ether	0.98		1.8	
Methylene chloride	0.5	U	0.5	U
n-Butylbenzene	0.5	U	0.5	U
n-Propylbenzene	0.5	U	0.5	U
Naphthalene	0.5	U	0.5	U
o-Chlorotoluene	0.5	U	0.5	U
o-Dichlorobenzene	0.5	U	0.5	U
o-Xylene	0.5	U	0.5	U
p-Chlorotoluene	0.5	U	0.5	U
p-Dichlorobenzene	0.5	U	0.5	U
sec-Butylbenzene	0.5	U	0.5	U
Styrene	0.5	U	0.5	U
tert-Butylbenzene	0.5	U	0.5	U
Tetrachloroethylene	0.5	U	0.5	U
Toluene	0.5	U	0.5	U
trans-1,3-Dichloropropene	0.5	U	0.5	U
Trichloroethylene	0.5	U	0.5	U
Trichlorofluoromethane	0.5	U	0.5	U
Vinyl chloride	0.5	U	0.5	U
524.2 TVOC	25.851		18.594	

Service Station

Analytical Results

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Analyte	085-16 depth: 45 1/30/2006 (ug/L)		085-16 depth: 45 4/27/2006 (ug/L)		085-16 depth: 45 7/26/2006 (ug/L)		085-16 depth: 45 10/16/2006 (ug/L)		085-17 depth: 45 1/31/2006 (ug/L)		085-17 depth: 45 4/27/2006 (ug/L)		085-17 depth: 45 7/26/2006 (ug/L)		085-17 depth: 45 10/16/2006 (ug/L)	
1,1,1,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2,2-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene, 1,2,4-trimethyl	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene, 1,3,5-trimethyl-	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene, 1-methylethyl-	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromodichloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon tetrachloride	**14**		**11**		**15**		**15**		**23**		**29**		**25**	J	**24**	
Chlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobromomethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroform	5.7		4.7		6.6		**7.7**		**13**		**18**		**11**		**14**	
cis-1,2-Dichloroethylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cymene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
DBCP	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**0.5**	J	0.5	U
Dibromochloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dichlorodifluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
EDB	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethene, 1,2-dichloro-, (E)-	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Hexachlorobutadiene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
m-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
m/p xylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl bromide	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl tert-butyl ether	0.5	U	0.5	U	0.5	U	0.5	U	0.34	J	0.27	J	0.27	J	0.3	J
Methylene chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
n-Butylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
n-Propylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Naphthalene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
o-Chlorotoluene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
o-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
o-Xylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
p-Chlorotoluene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
p-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
sec-Butylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Styrene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
tert-Butylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethylene	0.24	U	0.36	J	0.36	J	0.29	J	**11**		4.7		**5.2**		**8.2**	
Toluene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethylene	0.5	U	0.5	U	0.5	U	0.2	J	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vinyl chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
524.2 TVOC	19.7		16.06		21.96		23.19		47.34		51.97		41.47		46.5	

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Analyte	085-235 depth: 42.5 3/14/2006 (ug/L)		085-235 depth: 42.5 9/28/2006 (ug/L)		085-236 depth: 42.5 1/31/2006 (ug/L)		085-236 depth: 42.5 4/28/2006 (ug/L)		085-236 depth: 42.5 7/26/2006 (ug/L)		085-236 depth: 42.5 10/16/2006 (ug/L)		085-237 depth: 42.5 1/31/2006 (ug/L)		085-237 depth: 42.5 4/28/2006 (ug/L)	
1,1,1,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	0.082	J	0.086	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2,2-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene, 1,2,4-trimethyl	0.5	U	0.5	U	**24**		**360**	D	0.5	U	0.5	U	0.5	U	0.5	U
Benzene, 1,3,5-trimethyl-	0.5	U	0.5	U	**6.2**		**110**	D	0.5	U	0.5	U	0.5	U	0.5	U
Benzene, 1-methylethyl-	0.5	U	0.5	U	3.4		33		0.5	U	0.5	U	0.5	U	0.5	U
Bromobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromodichloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon tetrachloride	**22**		0.5	U	**34**		**85**	D	**11**		**14**		**15**		**18**	
Chlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobromomethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroform	**18**		**15**		**7.5**		**12**		6.2		**8.2**		5.3		6.1	
cis-1,2-Dichloroethylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cymene	0.5	U	0.5	U	0.23	J	**6.8**		0.5	U	0.5	U	0.5	U	0.5	U
DBCP	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromochloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dichlorodifluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
EDB	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethene, 1,2-dichloro-, (E)-	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethylbenzene	0.5	U	0.5	U	**7.3**		**75**	D	0.5	U	0.5	U	0.5	U	0.5	U
Hexachlorobutadiene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
m-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
m/p xylene	0.5	U	0.5	U	**62**		**480**	D	0.5	U	0.5	U	0.5	U	0.5	U
Methyl bromide	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl tert-butyl ether	0.73		0.28	J	0.3	J	0.26	J	0.14	J	0.5	U	0.25	J	0.5	U
Methylene chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
n-Butylbenzene	0.5	U	0.5	U	0.52		4.1		0.5	U	0.5	U	0.5	U	0.5	U
n-Propylbenzene	0.5	U	0.5	U	**5.1**		**64**	D	0.5	U	0.5	U	0.5	U	0.5	U
Naphthalene	0.5	U	0.5	U	3.2		**26**		0.5	U	0.5	U	0.5	U	0.5	U
o-Chlorotoluene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
o-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
o-Xylene	0.5	U	0.5	U	**38**		**210**	D	0.5	U	0.5	U	0.5	U	0.5	U
p-Chlorotoluene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
p-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
sec-Butylbenzene	0.5	U	0.5	U	0.5	U	2.6		0.5	U	0.5	U	0.5	U	0.5	U
Styrene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
tert-Butylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethylene	0.94		0.68		**9**		**25**		4.5		**5.6**		1.1		1.2	
Toluene	0.5	U	0.5	U	0.5	U	0.16	J	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vinyl chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
524.2 TVOC	41.752		16.046		238.75		1703.92		21.84		27.8		21.65		25.3	

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Brookhaven National Laboratory
Project: Service Station

Analyte	085-237 depth: 42.5 7/26/2006 (ug/L)		085-237 depth: 42.5 10/16/2006 (ug/L)	
1,1,1,2-Tetrachloroethane	0.5	U	0.5	U
1,1,1-Trichloroethane	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U
1,1,2-Trichloroethane	0.5	U	0.5	U
1,1-Dichloroethane	0.5	U	0.5	U
1,1-Dichloroethylene	0.5	U	0.5	U
1,1-Dichloropropene	0.5	U	0.5	U
1,2,3-Trichlorobenzene	0.5	U	0.5	U
1,2,3-Trichloropropane	0.5	U	0.5	U
1,2,4-Trichlorobenzene	0.5	U	0.5	U
1,2-Dichloroethane	0.5	U	0.5	U
1,2-Dichloropropane	0.5	U	0.5	U
1,3-Dichloropropane	0.5	U	0.5	U
2,2-Dichloropropane	0.5	U	0.5	U
Benzene	0.5	U	0.5	U
Benzene, 1,2,4-trimethyl	0.5	U	0.5	U
Benzene, 1,3,5-trimethyl-	0.5	U	0.5	U
Benzene, 1-methylethyl-	0.5	U	0.5	U
Bromobenzene	0.5	U	0.5	U
Bromodichloromethane	0.5	U	0.5	U
Bromoform	0.5	U	0.5	U
Carbon tetrachloride	**19**		**23**	
Chlorobenzene	0.5	U	0.5	U
Chlorobromomethane	0.5	U	0.5	U
Chloroethane	0.5	U	0.5	U
Chloroform	**7.8**		**11**	
cis-1,2-Dichloroethylene	0.5	U	0.5	U
cis-1,3-Dichloropropene	0.5	U	0.5	U
Cymene	0.5	U	0.5	U
DBCP	0.5	U	0.5	U
Dibromochloromethane	0.5	U	0.5	U
Dibromomethane	0.5	U	0.5	U
Dichlorodifluoromethane	0.5	U	0.5	U
EDB	0.5	U	0.5	U
Ethene, 1,2-dichloro-, (E)-	0.5	U	0.5	U
Ethylbenzene	0.5	U	0.5	U
Hexachlorobutadiene	0.5	U	0.5	U
m-Dichlorobenzene	0.5	U	0.5	U
m/p xylene	0.5	U	0.5	U
Methyl bromide	0.5	U	0.5	U
Methyl chloride	0.5	U	0.5	U
Methyl tert-butyl ether	0.13	J	0.17	J
Methylene chloride	0.5	U	0.5	U
n-Butylbenzene	0.5	U	0.5	U
n-Propylbenzene	0.5	U	0.5	U
Naphthalene	0.5	U	0.5	U
o-Chlorotoluene	0.5	U	0.5	U
o-Dichlorobenzene	0.5	U	0.5	U
o-Xylene	0.5	U	0.5	U
p-Chlorotoluene	0.5	U	0.5	U
p-Dichlorobenzene	0.5	U	0.5	U
sec-Butylbenzene	0.5	U	0.5	U
Styrene	0.5	U	0.5	U
tert-Butylbenzene	0.5	U	0.5	U
Tetrachloroethylene	0.65		0.76	
Toluene	0.5	U	0.5	U
trans-1,3-Dichloropropene	0.5	U	0.5	U
Trichloroethylene	0.5	U	0.5	U
Trichlorofluoromethane	0.5	U	0.5	U
Vinyl chloride	0.5	U	0.5	U
524.2 TVOC	27.58		34.93	

Sewage Treatment Plant and Peconic River
Analytical Results

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Brookhaven National Laboratory
Project: Sewage Treatment Plant and Peconic River

Analyte	038-02 depth: 18 12/12/2006 (ug/L)		038-03 depth: 13 12/12/2006 (ug/L)		039-07 depth: 20 12/12/2006 (ug/L)		039-08 depth: 22 12/12/2006 (ug/L)		039-86 depth: 20 12/12/2006 (ug/L)		039-87 depth: 19 12/12/2006 (ug/L)		039-88 depth: 22 12/12/2006 (ug/L)		039-89 depth: 22.5 12/12/2006 (ug/L)	
1,1,1,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2,2-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene, 1,2,4-trimethyl	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene, 1,3,5-trimethyl-	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene, 1-methylethyl-	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromodichloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon tetrachloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobromomethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroform	0.5	U	0.5	U	0.5	U	0.5	U	0.14	J	0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cymene	0.5	U	0.29	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
DBCP	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromochloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dichlorodifluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
EDB	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethene, 1,2-dichloro-, (E)-	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethylbenzene	0.5	U	0.1	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Hexachlorobutadiene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
m-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
m/p xylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl bromide	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl tert-butyl ether	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methylene chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
n-Butylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
n-Propylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Naphthalene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
o-Chlorotoluene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
o-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
o-Xylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
p-Chlorotoluene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
p-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
sec-Butylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Styrene	0.5	U	0.23	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
tert-Butylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Toluene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vinyl chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
524.2 TVOC	0		0.62		0		0		0.14		0		0		0	

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Analyte	039-90 depth: 22.5 12/12/2006 (ug/L)	
1,1,1,2-Tetrachloroethane	0.5	U
1,1,1-Trichloroethane	0.5	U
1,1,2,2-Tetrachloroethane	0.5	U
1,1,2-Trichloroethane	0.5	U
1,1-Dichloroethane	0.5	U
1,1-Dichloroethylene	0.5	U
1,1-Dichloropropene	0.5	U
1,2,3-Trichlorobenzene	0.5	U
1,2,3-Trichloropropane	0.5	U
1,2,4-Trichlorobenzene	0.5	U
1,2-Dichloroethane	0.5	U
1,2-Dichloropropane	0.5	U
1,3-Dichloropropane	0.5	U
2,2-Dichloropropane	0.5	U
Benzene	0.5	U
Benzene, 1,2,4-trimethyl	0.5	U
Benzene, 1,3,5-trimethyl-	0.5	U
Benzene, 1-methylethyl-	0.5	U
Bromobenzene	0.5	U
Bromodichloromethane	0.5	U
Bromoform	0.5	U
Carbon tetrachloride	0.5	U
Chlorobenzene	0.5	U
Chlorobromomethane	0.5	U
Chloroethane	0.5	U
Chloroform	0.5	U
cis-1,2-Dichloroethylene	0.5	U
cis-1,3-Dichloropropene	0.5	U
Cymene	0.5	U
DBCP	0.5	U
Dibromochloromethane	0.5	U
Dibromomethane	0.5	U
Dichlorodifluoromethane	0.5	U
EDB	0.5	U
Ethene, 1,2-dichloro-, (E)-	0.5	U
Ethylbenzene	0.5	U
Hexachlorobutadiene	0.5	U
m-Dichlorobenzene	0.5	U
m/p xylene	0.5	U
Methyl bromide	0.5	U
Methyl chloride	0.5	U
Methyl tert-butyl ether	0.5	U
Methylene chloride	0.5	U
n-Butylbenzene	0.5	U
n-Propylbenzene	0.5	U
Naphthalene	0.5	U
o-Chlorotoluene	0.5	U
o-Dichlorobenzene	0.5	U
o-Xylene	0.5	U
p-Chlorotoluene	0.5	U
p-Dichlorobenzene	0.5	U
sec-Butylbenzene	0.5	U
Styrene	0.5	U
tert-Butylbenzene	0.5	U
Tetrachloroethylene	0.5	U
Toluene	0.5	U
trans-1,3-Dichloropropene	0.5	U
Trichloroethylene	0.5	U
Trichlorofluoromethane	0.5	U
Vinyl chloride	0.5	U
524.2 TVOC	0	

FM - 2006 Groundwater Data: General Chemisrty Parameters
Brookhaven National Laboratory
Project: Sewage Treatment Plant and Peconic River

Analyte	**038-02 depth: 18 12/12/2006** (ug/L)		**038-03 depth: 13 12/12/2006** (ug/L)		**039-07 depth: 20 12/12/2006** (ug/L)		**039-08 depth: 22 12/12/2006** (ug/L)		**039-86 depth: 20 12/12/2006** (ug/L)		**039-87 depth: 19 12/12/2006** (ug/L)		**039-88 depth: 22 12/12/2006** (ug/L)		**039-89 depth: 22.5 12/12/2006** (ug/L)	
Chloride	3400	J	4500	J	3200	J	4400	J	31600	J	5600	J	3900	J	7000	J
Nitrate (as N)	2910		50	U	1930		2370		6700		510		128		849	
Sulfate	5400		9000		18000		10700		15200		4900		10900		9900	

FM - 2006 Groundwater Data: General Chemisrty Parameters
Brookhaven National Laboratory
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Analyte	**039-90 depth: 22.5 12/12/2006** (ug/L)	
Chloride	7800	J
Nitrate (as N)	1730	
Sulfate	7600	

FM - 2006 Groundwater Data: Metals
Brookhaven National Laboratory
Project: Sewage Treatment Plant and Peconic River

Analyte	038-02 depth: 18 12/12/2006 (ug/L)		038-03 depth: 13 12/12/2006 (ug/L)		039-07 depth: 20 12/12/2006 (ug/L)		039-08 depth: 22 12/12/2006 (ug/L)		039-86 depth: 20 12/12/2006 (ug/L)		039-87 depth: 19 12/12/2006 (ug/L)		039-88 depth: 22 12/12/2006 (ug/L)		039-89 depth: 22.5 12/12/2006 (ug/L)	
Aluminum	50	U	50	U	12.1	B	8.4	B	18.8	B	34.5	B	19.3	B	26	B
Antimony	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Arsenic	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Barium	5.4	B J	13.5	B J	8.3	B J	4.3	B J	17.3	B J	21.4	J	38.1	J	30.4	J
Beryllium	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Cadmium	2	U	2	U	0.21	B	0.093	B	0.074	B	0.49	B	0.25	B	0.18	B
Calcium	7660		8290		2590		3910		8030		5920		4220		4520	
Chromium	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Cobalt	4.5	B	9.5		5.5		5.4		4	B	9.9		2.1	B	7.6	
Copper	0.38	B	0.41	B	0.92	B	5.3	B	1.2	B	1.2	B	0.35	B	0.59	B
Iron	50	U	**6440**		50	U	50	U	40.6	B	50	U	50	U	50	U
Lead	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
Magnesium	765		1380		714		1490		3020		1370		1240		1330	
Manganese	6.7		161		16.3		6.2		189		29		12		36.9	
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel	0.74	B	1.8	B	1.2	B	1.2	B	1.6	B	3.2	B	0.73	B	1.4	B
Potassium	797	B	594	B	1580	B	1620	B	3380		385	B	824	B	892	B
Selenium	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Silver	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Sodium	3280		3260		3400		8230		**27500**		3280		2370		4320	
Thallium	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Vanadium	5	U	5	U	5	U	5	U	5.2		5	U	5	U	5	U
Zinc	10	U	39.9		10	U	10	U	10	U	55.6		10	U	10	U

FM - 2006 Groundwater Data: Metals
Brookhaven National Laboratory
Project: Sewage Treatment Plant and Peconic River

Analyte	**039-90 depth: 22.5 12/12/2006** (ug/L)	
Aluminum	50	U
Antimony	5	U
Arsenic	5	U
Barium	10.8	B J
Beryllium	2	U
Cadmium	2	U
Calcium	3570	
Chromium	5	U
Cobalt	0.46	B
Copper	0.29	B
Iron	50	U
Lead	3	U
Magnesium	1160	
Manganese	2.1	B
Mercury	0.2	U
Nickel	10	U
Potassium	1240	B
Selenium	1	B
Silver	2	U
Sodium	6340	
Thallium	5	U
Vanadium	5	U
Zinc	10	U

FM - 2006 Groundwater Data: Radionuclides
Brookhaven National Laboratory
Project: Sewage Treatment Plant and Peconic River

Analyte	**038-02 depth: 18 12/12/2006** pCi/L				**038-03 depth: 13 12/12/2006** pCi/L				**039-07 depth: 20 12/12/2006** pCi/L				**039-08 depth: 22 12/12/2006** pCi/L				**039-86 depth: 20 12/12/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241	-2.7	U	9.8	5.6	0.7	U	13	7.4	0.1	U	14	7.6	0.06	U	10	5.6	-4.5	U	13	7.6
Beryllium-7	6	U	58	32	1	U	64	34	6	U	64	33	12	U	59	32	20	U	77	40
Cesium-134	-4.8	U	6.9	4.3	0.7	U	9.9	5.3	2.9	U	11	5.8	-0.5	U	7.7	4.3	-3	U	9.3	5.5
Cesium-137	1.7	U	10	5.3	6.6	U	13	6.2	2.5	U	11	5.5	4.6	U	11	5.3	-2.5	U	11	6.3
Co-60	-0.8	U	11	5.7	0.3	U	12	5.8	-1.9	U	10	5.5	2.3	U	12	6.2	4.8	U	14	6.2
Cobalt-57	3	U	34	19	-5	U	41	23	-1	U	44	25	14	U	33	19	-6	U	45	26
Europium-152	2	U	20	11	-11	U	21	13	10	U	26	14	-8	U	17	11	0.02	U	25	14
Europium-154	13	U	77	41	6	U	84	43	3	U	94	49	-2	U	77	43	0.01	U	87	46
Europium-155	1.1	U	14	8.3	4	U	19	10	0.8	U	17	9.8	-1.9	U	14	8.1	-5	U	20	11
Gross Alpha	13.5		6.2	5.6	0.12	U	1.6	0.88	1.6	U	3.7	2.2	-0.3	U	2.3	1.1	0.41	U	1.3	0.75
Gross Beta	21.5		4.3	4.4	8.5		1.5	1.6	1	U	3.9	2.3	0.8	U	2.4	1.4	3.55	J	1.1	0.96
Manganese-54	0.4	U	8.4	4.7	4.4	U	12	5.8	-1.9	U	9.1	5.2	2.9	U	8.3	4.3	-5.5	U	7.7	5.1
Sodium-22	0.0004	U	7.9	4.1	3.1	U	12	5.5	-3	U	10	5.8	0.8	U	8.2	4.1	-3.5	U	9.5	5.6
Tritium	-120	U	370	250	30	U	370	160	-260	U	380	210	-190	U	370	230	-110	U	380	230
Zinc-65	-10.7	U	14	9.6	7	U	22	9.8	-7.3	U	16	9.8	-2.4	U	17	9.8	3	U	23	11

FM - 2006 Groundwater Data: Radionuclides
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Analyte	**039-87 depth: 19 12/12/2006** pCi/L				**039-88 depth: 22 12/12/2006** pCi/L				**039-89 depth: 22.5 12/12/2006** pCi/L				**039-90 depth: 22.5 12/12/2006** pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241	3.2	U	14	7.9	1	U	14	7.8	-2	U	10	5.9	-3.9	U	12	7.1
Beryllium-7	13	U	80	42	9	U	74	39	-1	U	57	32	-5	U	68	37
Cesium-134	-5.4	U	9.4	5.9	-0.1	U	9.3	5.1	-2.7	U	7.2	4.3	-0.2	U	11	5.9
Cesium-137	4.3	U	12	6.3	-2.9	U	10	6	1.7	U	10	5.3	8	U	13	6.2
Co-60	-5.2	U	11	6.6	4.5	U	13	6.1	1.2	U	12	6	3.3	U	14	6.8
Cobalt-57	-4	U	43	24	-14	U	44	26	16	U	34	19	-26	U	36	23
Europium-152	-9	U	21	13	7	U	27	14	-2	U	19	11	-11	U	21	13
Europium-154	17	U	87	43	7	U	83	43	-7	U	66	37	-16	U	68	38
Europium-155	-1	U	20	11	3	U	21	11	-2	U	13	8	-1.6	U	16	9.1
Gross Alpha	0.03	U	1.5	0.82	0.2	U	5.5	2.9	-0.2	U	2.3	1.2	0.07	U	1.3	0.67
Gross Beta	4		1.3	1.1	-0.04	U	4.9	2.8	2.3	J	2	1.3	2	J	1.6	1
Manganese-54	-2.3	U	9.6	5.5	-0.1	U	10	5.3	1.7	U	7.9	4.2	-1.5	U	8.8	4.9
Sodium-22	2.7	U	11	5.1	0.6	U	13	6.8	-0.2	U	8.8	4.7	1.9	U	14	6.9
Tritium	-170	U	380	220	-170	U	370	230	-50	U	370	290	-18.7	U	370	0
Zinc-65	-4	U	24	13	3	U	21	10	-4	U	17	10	0.1	U	21	10

New Waste Management Facility
Analytical Results

FM - 2006 Groundwater Data: Volatile Organic Compounds
Brookhaven National Laboratory
Project: New Waste Management Facility

Analyte	055-03 depth: 50 2/22/2006 (ug/L)		055-03 depth: 50 8/29/2006 (ug/L)		055-10 depth: 94 2/22/2006 (ug/L)		055-10 depth: 94 8/29/2006 (ug/L)		056-21 depth: 51 2/22/2006 (ug/L)		056-21 depth: 51 8/29/2006 (ug/L)		056-22 depth: 51 2/22/2006 (ug/L)		056-22 depth: 51 8/29/2006 (ug/L)	
1,1,1,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2,2-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene, 1,2,4-trimethyl	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene, 1,3,5-trimethyl-	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene, 1-methylethyl-	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromodichloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon tetrachloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobromomethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroform	0.28	J	0.42	J	0.23	J	0.19	J	0.1	J	0.15	J	0.5	U	0.093	J
cis-1,2-Dichloroethylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cymene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
DBCP	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromochloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dichlorodifluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
EDB	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethene, 1,2-dichloro-, (E)-	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Hexachlorobutadiene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
m-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
m/p xylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl bromide	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl chloride	0.5	U	0.5	U	0.5	U	0.087	J	0.5	U	0.5	U	0.5	U	0.5	U
Methyl tert-butyl ether	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methylene chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
n-Butylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
n-Propylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Naphthalene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
o-Chlorotoluene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
o-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
o-Xylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
p-Chlorotoluene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
p-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
sec-Butylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Styrene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
tert-Butylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Toluene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vinyl chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
524.2 TVOC	0.28		0.42		0.23		0.277		0.1		0.15		0		0.093	

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Analyte	056-23 depth: 51 2/22/2006 (ug/L)		056-23 depth: 51 8/29/2006 (ug/L)		066-07 depth: 75 2/22/2006 (ug/L)		066-07 depth: 75 8/29/2006 (ug/L)		066-83 depth: 51 2/22/2006 (ug/L)		066-83 depth: 51 8/29/2006 (ug/L)		066-84 depth: 67.5 2/22/2006 (ug/L)		066-84 depth: 67.5 8/29/2006 (ug/L)	
1,1,1,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	0.5	U	0.13	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2,2-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene, 1,2,4-trimethyl	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene, 1,3,5-trimethyl-	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene, 1-methylethyl-	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromodichloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon tetrachloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobromomethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroform	0.1	J	0.12	J	0.35	J	0.15	J	1.1		1.1		0.074	J	0.5	U
cis-1,2-Dichloroethylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cymene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
DBCP	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromochloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dichlorodifluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
EDB	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethene, 1,2-dichloro-, (E)-	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Hexachlorobutadiene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
m-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
m/p xylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl bromide	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl chloride	0.5	U	0.15	J	0.5	U	0.34	J	0.5	U	0.5	U	0.5	U	0.5	U
Methyl tert-butyl ether	0.5	U	0.5	U	0.24	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methylene chloride	0.5	U	0.17	J B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
n-Butylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
n-Propylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Naphthalene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
o-Chlorotoluene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
o-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
o-Xylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
p-Chlorotoluene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
p-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
sec-Butylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Styrene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
tert-Butylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Toluene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethylene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vinyl chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
524.2 TVOC	0.1		0.57		0.59		0.49		1.1		1.1		0.074		0	

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Analyte	**055-03 depth: 50 8/29/2006** (ug/L)		**055-10 depth: 94 8/29/2006** (ug/L)		**056-21 depth: 51 8/29/2006** (ug/L)		**056-22 depth: 51 8/29/2006** (ug/L)		**056-23 depth: 51 8/29/2006** (ug/L)		**066-07 depth: 75 8/29/2006** (ug/L)		**066-83 depth: 51 8/29/2006** (ug/L)		**066-84 depth: 67.5 8/29/2006** (ug/L)	
Chloride	46400		17600		38000		38300		30600		27500		10700		17400	
Nitrate (as N)	606	J	471	J	830	J	1740		1450		1530		1260		2690	
Sulfate	9200		11200		14100		28200		15300		13800		11600		17700	

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Analyte	**055-03 depth: 50 8/29/2006** (ug/L)		**055-10 depth: 94 8/29/2006** (ug/L)		**056-21 depth: 51 8/29/2006** (ug/L)		**056-22 depth: 51 8/29/2006** (ug/L)		**056-23 depth: 51 8/29/2006** (ug/L)		**066-07 depth: 75 8/29/2006** (ug/L)		**066-83 depth: 51 8/29/2006** (ug/L)		**066-84 depth: 67.5 8/29/2006** (ug/L)	
Aluminum	50	U	50	U	50	U	10.7	B	50	U	50	U	50	U	50	U
Antimony	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Arsenic	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Barium	10.7	B	15.6	B	25.7		49.7		32.7		14.3	B	12.3	B	29	
Beryllium	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Cadmium	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Calcium	6550		4470		7200		11000		11400		11400		10700		14300	
Chromium	4.1	B	4.4	B	3.7	B	3.6	B	5	U	3.3	B	3.3	B	3.3	B
Cobalt	2.7	B	0.81	B	0.83	B	5	U	4.5	B	1.5	B	2.1	B	0.67	B
Copper	1.5	B	10	U	0.34	B	0.35	B	0.45	B	0.3	B	0.38	B	0.44	B
Iron	50	U	50	U	50	U	50	U	50	U	50	U	39.6	B	50	U
Lead	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
Magnesium	1950		3330		3310		4960		4790		5550		5400		6190	
Manganese	4.3	B	1.3	B	3	B	3.1	B	7.9		2.3	B	3.5	B	1.3	B
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel	2.3	B	0.58	B	0.53	B	0.58	B	1.2	B	0.65	B	0.71	B	0.76	B
Potassium	614	B	567	B	1090	B	2170		1780	B	1030	B	1240	B	2040	
Selenium	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Silver	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Sodium	**35800**		18300		**26400**		**29100**		18300		13600		9800		11700	
Thallium	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Vanadium	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Zinc	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U

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Analyte	055-03 depth: 50 2/22/2006 pCi/L				055-03 depth: 50 8/29/2006 pCi/L				055-10 depth: 94 2/22/2006 pCi/L				055-10 depth: 94 8/29/2006 pCi/L				056-21 depth: 51 2/22/2006 pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241	2.2	U	15	8.3	1	U	10	5.9	-1	U	14	7.9	1.6	U	13	7.4	-4.5	U	13	7.8
Beryllium-7	5	U	67	36	5	U	61	32	0.7	U	73	40	-9	U	74	41	-2	U	75	41
Cesium-134	-7.8	U	8.1	5.6	-4.4	U	8.1	5.1	-6.7	U	8.1	5.4	-1.2	U	8.7	5.8	-4.8	U	8.9	5.6
Cesium-137	2.2	U	10	5.4	3.1	U	11	5.3	0.4	U	11	6.1	4.9	U	11	5.3	4	U	10	5.1
Co-60	0.6	U	11	5.4	-6.5	U	11	7.1	2	U	11	5	-3.6	U	11	6.3	-3	U	11	6.5
Cobalt-57	-25	U	42	26	-13	U	33	20	8	U	45	26	-21	U	41	25	3	U	48	28
Europium-152	-5	U	21	12	-8	U	23	13	-6	U	22	13	3	U	27	15	-8	U	23	14
Europium-154	28	U	89	43	-36	U	73	45	-8	U	83	45	19	U	88	43	-32	U	72	44
Europium-155	-13	U	18	12	-4.3	U	14	8.6	-3	U	20	12	1	U	21	12	0.7	U	19	11
Gross Alpha	0.4	U	1.1	0.64	-0.18	U	1.1	0.46	0.04	U	0.97	0.48	0.3	U	0.94	0.54	0.2	U	1.2	0.65
Gross Beta	2.1	J	1.8	1.2	1.2	U	1.9	1.2	0.4	U	1.8	1.1	1	U	2	1.2	9.5		1.9	1.8
Manganese-54	-1.8	U	9.6	5.4	-1.3	U	10	5.6	-0.2	U	10	5.5	-0.5	U	9.5	5.1	-5.3	U	5.6	4.1
Sodium-22	-2	U	12	6.4	-3.7	U	10	6	2	U	9.3	4	2	U	13	6.2	-0.7	U	9.9	5.1
Tritium	20	U	320	200	-150	U	350	200	40	U	330	200	-20	U	350	350	130	U	320	190
Zinc-65	-0.7	U	23	12	-5	U	22	13	-4	U	23	13	-6	U	22	12	-2.7	U	18	9.5

Analyte	056-21 depth: 51 8/29/2006 pCi/L				056-22 depth: 51 2/22/2006 pCi/L				056-22 depth: 51 8/29/2006 pCi/L				056-23 depth: 51 2/22/2006 pCi/L				056-23 depth: 51 8/29/2006 pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241	-0.2	U	13	7.3	-1	U	12	7.9	-1.6	U	13	7.5	3.3	U	15	8.2	0.5	U	10	5.8
Beryllium-7	3	U	74	40	6	U	66	35	9	U	76	40	12	U	67	35	12	U	63	32
Cesium-134	-7.4	U	7.8	5.4	-2.5	U	9.1	5.4	-1.9	U	7.3	4.9	-2.1	U	9.4	5.8	-2.7	U	8.6	5.2
Cesium-137	0.001	U	11	6.1	-5.4	U	10	6.6	-4	U	11	6.5	-0.6	U	11	6.2	1.1	U	9.8	5.1
Co-60	-0.1	U	11	5.3	4	U	14	6.5	-4	U	10	6.2	-0.1	U	11	5.9	-1.4	U	12	6.8
Cobalt-57	-24	U	41	25	-5	U	45	26	-11	U	44	26	-10	U	44	26	21	U	40	21
Europium-152	0.1	U	24	14	-2	U	23	13	-0.8	U	24	14	-2	U	25	15	8	U	26	14
Europium-154	30	U	90	42	-4	U	68	36	-41	U	88	54	-18	U	74	42	-0.02	U	88	47
Europium-155	-2	U	20	11	-8	U	19	11	-3	U	19	11	-4	U	20	12	-2.8	U	16	9.4
Gross Alpha	-0.07	U	1.3	0.63	-0.34	U	1.4	0.59	0.85	U	0.96	0.69	0.45	U	1.2	0.7	0.31	U	1.2	0.66
Gross Beta	2.4	J	1.9	1.2	3.3	J	1.8	1.3	3.3	J	1.9	1.3	2.8	J	1.8	1.2	3.7	J	2.1	1.4
Manganese-54	1.3	U	9.5	4.8	3.6	U	11	5.1	-2.6	U	9	5.2	-0.4	U	9.1	4.9	-4	U	9.7	5.8
Sodium-22	-0.7	U	10	5.3	-0.05	U	12	6.5	1.3	U	12	5.7	-5.4	U	11	6.8	-6.7	U	7.4	5.4
Tritium	130	U	350	200	240	U	320	200	30	U	340	150	890		260	260	120	U	350	200
Zinc-65	5	U	23	11	-0.03	U	20	10	-6	U	19	11	-13	U	15	11	6	U	25	13

Analyte	066-07 depth: 75 2/22/2006 pCi/L				066-07 depth: 75 8/29/2006 pCi/L				066-83 depth: 51 2/22/2006 pCi/L				066-83 depth: 51 8/29/2006 pCi/L				066-84 depth: 67.5 2/22/2006 pCi/L			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241	-4.8	U	14	8.5	6.7	U	15	8.1	-0.5	U	13	7.3	2.1	U	10	5.7	-9.9	U	13	8.2
Beryllium-7	0.7	U	61	33	0.5	U	70	38	-8	U	71	40	2	U	58	32	-19	U	64	37
Cesium-134	2	U	10	5.3	-1.1	U	7.7	5.2	-2.7	U	9.2	5.4	-3.7	U	6.3	3.9	-5.3	U	8.1	5.2
Cesium-137	5.2	U	11	5.6	2.7	U	11	5.6	4.3	U	12	5.9	-1.4	U	10	5.6	-1.8	U	9.6	5.5
Co-60	2	U	12	6	1.3	U	11	5.3	3.3	U	14	6.9	4.7	U	11	5.1	6.9	U	12	4.8
Cobalt-57	-18	U	43	26	-13	U	43	26	-37	U	38	25	-6	U	33	19	-5	U	46	27
Europium-152	-3	U	22	13	-6	U	24	14	5	U	22	12	15	U	21	11	-3	U	25	15
Europium-154	2	U	79	41	39	U	88	39	-37	U	65	42	-17	U	75	43	24	U	89	44
Europium-155	2	U	18	10	6	U	20	11	1	U	20	11	3	U	15	8.8	3	U	21	12
Gross Alpha	0.18	U	1.3	0.69	0.57	U	1.1	0.68	-0.12	U	1.1	0.53	-0.15	U	1.1	0.48	-0.26	U	1.1	0.48
Gross Beta	0.94	U	1.4	0.85	0.4	U	1.9	1.1	1.5	J	1.4	0.9	0.9	U	2.1	1.3	2.4	J	1.7	1.1
Manganese-54	0.004	U	11	6.1	-0.6	U	9.7	5.3	1.8	U	9.4	4.6	-5.2	U	7.5	4.7	-2.5	U	8	4.7
Sodium-22	3.3	U	12	5.2	-2	U	11	6	-0.6	U	12	6.1	3.3	U	9.9	4.8	0.6	U	10	5.1
Tritium	-20	U	320	620	170	U	350	200	80	U	330	200	330	U	340	210	80	U	320	190
Zinc-65	4	U	22	11	-7	U	19	11	-6	U	18	10	-2.9	U	17	9.3	1.1	U	19	9.4

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Analyte	066-84 depth: 67.5 8/29/2006 pCi/L			
	Result	Qual	MDA	Error
Americium-241	3.3	U	13	7.7
Beryllium-7	-16	U	76	43
Cesium-134	0.5	U	9	5.7
Cesium-137	-1.4	U	9.2	5.2
Co-60	-3.9	U	9.6	5.8
Cobalt-57	6	U	45	25
Europium-152	-6	U	23	14
Europium-154	16	U	93	47
Europium-155	-3	U	17	10
Gross Alpha	0.24	U	1.2	0.65
Gross Beta	1.4	U	2.1	1.3
Manganese-54	-2.8	U	10	6
Sodium-22	0.09	U	13	7
Tritium	150	U	350	210
Zinc-65	-14	U	23	15