

Appendix D
2020 Facility Monitoring
Groundwater Results

AGS Research Areas

Analytical Results

2020 Groundwater Data: Radionuclides

Brookhaven National Laboratory

Project: AGS Research Areas

Analyte	054-07 depth : 35 4/9/2020 pCi/l				054-07 depth : 35 11/1/2020 pCi/l				054-08 depth : 48 2/10/2020 pCi/l				054-08 depth : 48 11/24/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	20600		399	2080	528		313	231	73.9	U	322	182	-159	U	405	205

2020 Groundwater Data: Radionuclides
 Brookhaven National Laboratory
 Project: AGS Research Areas

Analyte	054-124 depth : 32 4/9/2020 pCi/l				054-124 depth : 32 11/1/2020 pCi/l				054-125 depth : 32 11/19/2020 pCi/l				054-126 depth : 35 4/9/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-31.5	U	455	240	407		323	223	-115	U	357	189	54.1	U	407	229

2020 Groundwater Data: Radionuclides

Brookhaven National Laboratory

Project: AGS Research Areas

Analyte	054-126 depth : 35 11/1/2020 pCi/l				054-127 depth : 30 12/3/2020 pCi/l				054-128 depth : 30 11/19/2020 pCi/l				054-129 depth : 28 11/19/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-73.9	U	320	169	-116	U	383	199	24.8	U	363	208	142	U	412	243

2020 Groundwater Data: Radionuclides
 Brookhaven National Laboratory
 Project: AGS Research Areas

Analyte	054-130 depth : 30 11/19/2020 pCi/l				054-168 depth : 25 11/19/2020 pCi/l				054-169 depth : 25 11/19/2020 pCi/l				054-184 depth : 32 4/9/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	56.3	U	346	205	1180		349	328	-55	U	343	190	16100		484	1730

2020 Groundwater Data: Radionuclides

Brookhaven National Laboratory

Project: AGS Research Areas

Analyte	054-184 depth : 32 11/1/2020 pCi/l				054-185 depth : 32 4/9/2020 pCi/l				054-185 depth : 32 11/1/2020 pCi/l				054-191 depth : 28 12/16/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-6.31	U	317	175	31900		377	3030	141	U	323	194	198	U	338	218

2020 Groundwater Data: Radionuclides
 Brookhaven National Laboratory
 Project: AGS Research Areas

Analyte	054-62 depth : 26 12/10/2020 pCi/l				054-63 depth : 50 12/22/2020 pCi/l				054-64 depth : 50 12/22/2020 pCi/l				054-65 depth : 25 4/9/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	67.6	U	418	237	185	U	409	247	99.1	U	400	233	-165	U	428	213

2020 Groundwater Data: Radionuclides
 Brookhaven National Laboratory
 Project: AGS Research Areas

Analyte	054-65 depth : 25 11/1/2020 pCi/l				054-66 depth : 26 11/19/2020 pCi/l				054-67 depth : 25 11/19/2020 pCi/l				054-68 depth : 25 12/3/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-26.1	U	330	178	-46.4	U	345	192	-98.2	U	330	180	119	U	365	221

2020 Groundwater Data: Radionuclides

Brookhaven National Laboratory

Project: AGS Research Areas

Analyte	054-69 depth : 25 12/3/2020 pCi/l				055-14 depth : 25 12/3/2020 pCi/l				055-15 depth : 26 12/16/2020 pCi/l				055-16 depth : 25 12/16/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	2.25	U	366	207	6.76	U	345	198	-131	U	409	210	-70.7	U	407	217

2020 Groundwater Data: Radionuclides

Brookhaven National Laboratory

Project: AGS Research Areas

Analyte	055-29 depth : 52 12/16/2020 pCi/l				055-30 depth : 28 12/16/2020 pCi/l				055-31 depth : 50 11/11/2020 pCi/l				055-32 depth : 48 12/16/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-152	U	413	209	18	U	409	228	-171	U	371	192	54.1	U	404	230

2020 Groundwater Data: Radionuclides
 Brookhaven National Laboratory
 Project: AGS Research Areas

Analyte	064-03 depth : 48 12/22/2020 pCi/l				064-51 depth : 46 2/10/2020 pCi/l				064-51 depth : 46 11/24/2020 pCi/l				064-53 depth : 40 12/22/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	153	U	388	235	195	U	318	197	167	U	407	244	113	U	407	238

2020 Groundwater Data: Radionuclides

Brookhaven National Laboratory

Project: AGS Research Areas

Analyte	064-54 depth : 40 12/22/2020 pCi/l				064-55 depth : 33 12/3/2020 pCi/l				064-56 depth : 30 12/3/2020 pCi/l				064-80 depth : 30 12/3/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	9.01	U	409	227	-54.1	U	446	244	-131	U	448	238	-49.5	U	453	248

2020 Groundwater Data: Radionuclides

Brookhaven National Laboratory

Project: AGS Research Areas

Analyte	064-95 depth : 32 4/9/2020 pCi/l				064-95 depth : 32 11/1/2020 pCi/l				065-120 depth : 30 12/23/2020 pCi/l				065-121 depth : 26 11/10/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	27	U	449	243	186	U	316	196	158	U	411	245	226	U	361	225

2020 Groundwater Data: Radionuclides
 Brookhaven National Laboratory
 Project: AGS Research Areas

Analyte	065-122 depth : 29 11/10/2020 pCi/l				065-123 depth : 26 11/10/2020 pCi/l				065-124 depth : 26 11/10/2020 pCi/l				065-125 depth : 26 11/10/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	145	U	360	215	487		354	251	4.5	U	369	208	63.1	U	369	213

2020 Groundwater Data: Radionuclides
 Brookhaven National Laboratory
 Project: AGS Research Areas

Analyte	065-126 depth : 26 11/11/2020 pCi/l				065-192 depth : 52 12/23/2020 pCi/l				065-193 depth : 55 11/10/2020 pCi/l				065-194 depth : 50 11/11/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	22.5	U	373	210	4.5	U	409	226	118	U	373	218	329	U	360	236

2020 Groundwater Data: Radionuclides
 Brookhaven National Laboratory
 Project: AGS Research Areas

Analyte	065-195 depth : 50 11/10/2020 pCi/l				065-321 depth : 32 11/10/2020 pCi/l				065-322 depth : 32 11/10/2020 pCi/l				065-323 depth : 30 11/11/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-18	U	373	207	36	U	377	214	31.5	U	371	211	67.6	U	369	213

2020 Groundwater Data: Radionuclides
 Brookhaven National Laboratory
 Project: AGS Research Areas

Analyte	065-324 depth : 28 11/10/2020 pCi/l			
	Result	Qual	MDA	Error
Tritium	45	U	374	214

2020 Groundwater Data : Semivolatile Organic Compounds
 Brookhaven National Laboratory
 Project : AGS Research Areas

Analyte	054-07 Depth : 35.00 03/05/2020 mg/L		054-08 Depth : 37.00 04/28/2020 mg/L		054-124 Depth : 32.50 03/05/2020 mg/L		054-127 Depth : 29.50 03/05/2020 mg/L		054-128 Depth : 29.50 03/03/2020 mg/L		054-130 Depth : 29.50 03/03/2020 mg/L	
Perfluorooctanesulfonate (PFOS)	5.87		3.27		5.91		16.8		2.02		8.54	
Perfluorooctanoic acid (PFOA)	4.91		8.6		6.43		13.1		2.45		6.27	

2020 Groundwater Data : Semivolatile Organic Compounds
 Brookhaven National Laboratory
 Project : AGS Research Areas

Analyte	054-168 Depth : 25.00 03/03/2020 mg/L		054-169 Depth : 25.00 03/03/2020 mg/L		054-191 Depth : 28.00 03/05/2020 mg/L		054-62 Depth : 25.70 03/06/2020 mg/L		054-65 Depth : 25.20 03/06/2020 mg/L		054-66 Depth : 25.50 03/04/2020 mg/L	
Perfluorooctanesulfonate (PFOS)	1.57	J	1.99		5.44		6.15		35.4		12.6	
Perfluorooctanoic acid (PFOA)	2.87		1.57	J	1.68	J	4.21		11.3		4.29	

2020 Groundwater Data : Semivolatile Organic Compounds
 Brookhaven National Laboratory
 Project : AGS Research Areas

Analyte	055-30 Depth : 27.50 03/02/2020 mg/L		055-31 Depth : 50.00 03/02/2020 mg/L		065-120 Depth : 29.90 03/03/2020 mg/L		065-121 Depth : 26.50 03/05/2020 mg/L		065-123 Depth : 25.50 03/04/2020 mg/L		065-126 Depth : 26.50 03/03/2020 mg/L	
	Perfluorooctanesulfonate (PFOS)	10.7		2.85		6.62		9.33		26.2		140
Perfluorooctanoic acid (PFOA)	4.93		3.32		7.42		4.54		13.3		13.9	

2020 Groundwater Data : Semivolatile Organic Compounds
 Brookhaven National Laboratory
 Project : AGS Research Areas

Analyte	065-192 Depth : 55.00 03/04/2020 mg/L		065-193 Depth : 55.00 03/05/2020 mg/L		065-194 Depth : 47.50 02/19/2020 mg/L	
	Perfluorooctanesulfonate (PFOS)	11.7		11.8		8.27
Perfluorooctanoic acid (PFOA)	7.41		4.95		4.43	

**Motor Pool Area
Analytical Results**

2020 Groundwater Data: Volatile Organic Compounds

Brookhaven National Laboratory

Project: Motor Pool Area

Analyte	102-05 depth : 57 11/5/2020 ug/L		102-06 depth : 56 11/5/2020 ug/L		102-12 depth : 52 2/24/2020 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	0.59	U	0.59	U		
1,2,3-Trichloropropane	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		
1,4-Dioxane					0.2	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	0.59		0.25	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	0.63	U	0.63	U		
Dibromochloromethane	0.5	U	0.5	U		
Dibromomethane	0.5	U	0.5	U		
Dichlorodifluoromethane	0.66	U	0.66	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		
m-Dichlorobenzene	0.5	U	0.5	U		
m/p xylene	1	U	1	U		
Methyl bromide	0.57	U	0.57	U		
Methyl chloride	0.5	U	0.5	U		
Methyl tert-butyl ether	0.5	U	0.5	U		
Methylene chloride	0.99	U	0.99	U		
n-Butylbenzene	0.5	U	0.5	U		
n-Propylbenzene	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		
Xylene (total)	0.5	U	0.5	U		
524.2 TVOC	0.59		0.25			

2020 Groundwater Data : Semivolatile Organic Compounds

Brookhaven National Laboratory

Project : Motor Pool Area

Analyte	102-05 Depth : 56.74 11/05/2020 mg/L		102-06 Depth : 56.20 11/05/2020 mg/L		102-12 Depth : 51.50 02/24/2020 mg/L	
	1,2,4-Trichlorobenzene	0.55	U	0.55	U	
Hexachlorobutadiene	0.5	U	0.5	U		
Naphthalene	0.67	U	0.67	U		
Perfluorooctanesulfonate (PFOS)					1.57	J
Perfluorooctanoic acid (PFOA)					2.89	

**Major Petroleum Facility
Analytical Results**

2020 Groundwater Data: Volatile Organic Compounds

Brookhaven National Laboratory

Project: Major Petroleum Facility

Analyte	076-16 depth : 0 4/21/2020 ug/L		076-16 depth : 35 4/21/2020 ug/L		076-16 depth : 35 10/28/2020 ug/L		076-17 depth : 0 4/21/2020 ug/L		076-17 depth : 35 4/21/2020 ug/L		076-17 depth : 35 10/28/2020 ug/L	
1,1,1-Trichloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethylene	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichloropropane	5	U	5	U	5	U	5	U	5	U	5	U
1,4-Dioxane	0.2	U	0.2	U			0.2	U	0.2	U		
2-Hexanone	10	U	10	U	10	U	10	U	10	U	10	U
Acetone	10	U	10	U	10	U	10	U	10	U	10	U
Benzene	5	U	5	U	5	U	5	U	5	U	5	U
Bromodichloromethane	5	U	5	U	5	U	5	U	5	U	5	U
Bromoform	5	U	5	U	5	U	5	U	5	U	5	U
Carbon disulfide	5	U	5	U	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	U	5	U	5	U	5	U	5	U	5	U
Chlorobenzene	5	U	5	U	5	U	5	U	5	U	5	U
Chloroethane	10	U	10	U	10	U	10	U	10	U	10	U
Chloroform	5	U	5	U	5	U	5	U	5	U	5	U
cis-1,3-Dichloropropene	5	U	5	U	5	U	5	U	5	U	5	U
Dibromochloromethane	5	U	5	U	5	U	5	U	5	U	5	U
Ethene, 1,2-dichloro-, (E)-	5	U	5	U	5	U	5	U	5	U	5	U
Ethylbenzene	5	U	5	U	5	U	5	U	5	U	5	U
m-Dichlorobenzene	5	U	5	U	5	U	5	U	5	U	5	U
Methyl bromide	10	U	10	U	10	U	10	U	10	U	10	U
Methyl chloride	10	U	10	U	10	U	10	U	10	U	10	U
Methyl ethyl ketone	10	U	10	U	10	U	10	U	10	U	10	U
Methyl isobutyl ketone (MIBK)	10	U	10	U	10	U	10	U	10	U	10	U
Methyl tert-butyl ether	10	U	10	U	10	U	10	U	10	U	10	U
Methylene chloride	5	U	5	U	5	U	5	U	5	U	5	U
o-Dichlorobenzene	5	U	5	U	5	U	5	U	5	U	5	U
p-Dichlorobenzene	5	U	5	U	5	U	5	U	5	U	5	U
Tetrachloroethylene	5	U	5	U	5	U	5	U	5	U	5	U
Toluene	5	U	5	U	5	U	5	U	5	U	5	U
trans-1,3-Dichloropropene	5	U	5	U	5	U	5	U	5	U	5	U
Trichloroethylene	5	U	5	U	5	U	5	U	5	U	5	U
Trichlorofluoromethane	5	U	5	U	5	U	5	U	5	U	5	U
Vinyl acetate	10	U	10	U	10	U	10	U	10	U	10	U
Vinyl chloride	10	U	10	U	10	U	10	U	10	U	10	U

2020 Groundwater Data: Volatile Organic Compounds

Brookhaven National Laboratory

Project: Major Petroleum Facility

Analyte	076-18 depth : 0 4/21/2020 ug/L		076-18 depth : 30 4/21/2020 ug/L		076-18 depth : 30 10/28/2020 ug/L		076-19 depth : 0 4/21/2020 ug/L		076-19 depth : 30 4/21/2020 ug/L		076-19 depth : 30 10/28/2020 ug/L	
1,1,1-Trichloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethylene	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichloropropane	5	U	5	U	5	U	5	U	5	U	5	U
1,4-Dioxane	0.2	U	0.2	U			0.2	U	0.2	U		
2-Hexanone	10	U	10	U	10	U	10	U	10	U	10	U
Acetone	10	U	10	U	10	U	10	U	10	U	10	U
Benzene	5	U	5	U	5	U	5	U	5	U	5	U
Bromodichloromethane	5	U	5	U	5	U	5	U	5	U	5	U
Bromoform	5	U	5	U	5	U	5	U	5	U	5	U
Carbon disulfide	5	U	5	U	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	U	5	U	5	U	5	U	5	U	5	U
Chlorobenzene	5	U	5	U	5	U	5	U	5	U	5	U
Chloroethane	10	U	10	U	10	U	10	U	10	U	10	U
Chloroform	0.55	J	0.55	J	1.3	J	5	U	5	U	5	U
cis-1,3-Dichloropropene	5	U	5	U	5	U	5	U	5	U	5	U
Dibromochloromethane	5	U	5	U	5	U	5	U	5	U	5	U
Ethene, 1,2-dichloro-, (E)-	5	U	5	U	5	U	5	U	5	U	5	U
Ethylbenzene	5	U	5	U	5	U	5	U	5	U	5	U
m-Dichlorobenzene	5	U	5	U	5	U	5	U	5	U	5	U
Methyl bromide	10	U	10	U	10	U	10	U	10	U	10	U
Methyl chloride	10	U	10	U	10	U	10	U	10	U	10	U
Methyl ethyl ketone	10	U	10	U	10	U	10	U	10	U	10	U
Methyl isobutyl ketone (MIBK)	10	U	10	U	10	U	10	U	10	U	10	U
Methyl tert-butyl ether	10	U	10	U	10	U	10	U	10	U	10	U
Methylene chloride	5	U	5	U	5	U	5	U	5	U	5	U
o-Dichlorobenzene	5	U	5	U	5	U	5	U	5	U	5	U
p-Dichlorobenzene	5	U	5	U	5	U	5	U	5	U	5	U
Tetrachloroethylene	5	U	5	U	5	U	5	U	5	U	5	U
Toluene	5	U	5	U	5	U	5	U	5	U	5	U
trans-1,3-Dichloropropene	5	U	5	U	5	U	5	U	5	U	5	U
Trichloroethylene	5	U	5	U	5	U	5	U	5	U	5	U
Trichlorofluoromethane	5	U	5	U	5	U	5	U	5	U	5	U
Vinyl acetate	10	U	10	U	10	U	10	U	10	U	10	U
Vinyl chloride	10	U	10	U	10	U	10	U	10	U	10	U

2020 Groundwater Data: Volatile Organic Compounds

Brookhaven National Laboratory

Project: Major Petroleum Facility

Analyte	076-25 depth : 0 4/21/2020 ug/L		076-25 depth : 42 4/21/2020 ug/L		076-25 depth : 42 10/28/2020 ug/L		076-378 depth : 0 4/21/2020 ug/L		076-378 depth : 34 4/21/2020 ug/L		076-378 depth : 34 10/28/2020 ug/L	
1,1,1-Trichloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethylene	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichloropropane	5	U	5	U	5	U	5	U	5	U	5	U
1,4-Dioxane	0.2	U	0.2	U			0.2	U	0.2	U		
2-Hexanone	10	U	10	U	10	U	10	U	10	U	10	U
Acetone	10	U	10	U	10	U	10	U	10	U	10	U
Benzene	5	U	5	U	5	U	5	U	5	U	5	U
Bromodichloromethane	5	U	5	U	5	U	5	U	5	U	5	U
Bromoform	5	U	5	U	5	U	5	U	5	U	5	U
Carbon disulfide	5	U	5	U	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	U	5	U	5	U	5	U	5	U	5	U
Chlorobenzene	5	U	5	U	5	U	5	U	5	U	5	U
Chloroethane	10	U	10	U	10	U	10	U	10	U	10	U
Chloroform	1.1	J	1.1	J	0.59	J	5	U	5	U	5	U
cis-1,3-Dichloropropene	5	U	5	U	5	U	5	U	5	U	5	U
Dibromochloromethane	5	U	5	U	5	U	5	U	5	U	5	U
Ethene, 1,2-dichloro-, (E)-	5	U	5	U	5	U	5	U	5	U	5	U
Ethylbenzene	5	U	5	U	5	U	5	U	5	U	5	U
m-Dichlorobenzene	5	U	5	U	5	U	5	U	5	U	5	U
Methyl bromide	10	U	10	U	10	U	10	U	10	U	10	U
Methyl chloride	10	U	10	U	10	U	10	U	10	U	10	U
Methyl ethyl ketone	10	U	10	U	10	U	10	U	10	U	10	U
Methyl isobutyl ketone (MIBK)	10	U	10	U	10	U	10	U	10	U	10	U
Methyl tert-butyl ether	10	U	10	U	10	U	10	U	10	U	10	U
Methylene chloride	5	U	5	U	5	U	5	U	5	U	5	U
o-Dichlorobenzene	5	U	5	U	5	U	5	U	5	U	5	U
p-Dichlorobenzene	5	U	5	U	5	U	5	U	5	U	5	U
Tetrachloroethylene	4.7	J	4.7	J	7.2		5	U	5	U	5	U
Toluene	5	U	5	U	5	U	5	U	5	U	5	U
trans-1,3-Dichloropropene	5	U	5	U	5	U	5	U	5	U	5	U
Trichloroethylene	5	U	5	U	0.69	J	5	U	5	U	5	U
Trichlorofluoromethane	5	U	5	U	5	U	5	U	5	U	5	U
Vinyl acetate	10	U	10	U	10	U	10	U	10	U	10	U
Vinyl chloride	10	U	10	U	10	U	10	U	10	U	10	U

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Project: Major Petroleum Facility

Analyte	076-379 depth : 0 4/21/2020 ug/L		076-379 depth : 36 4/21/2020 ug/L		076-379 depth : 36 10/28/2020 ug/L		076-380 depth : 0 4/21/2020 ug/L		076-380 depth : 34 4/21/2020 ug/L		076-380 depth : 34 10/28/2020 ug/L	
1,1,1-Trichloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethylene	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichloropropane	5	U	5	U	5	U	5	U	5	U	5	U
1,4-Dioxane	0.2	U	0.2	U			0.2	U	0.2	U		
2-Hexanone	10	U	10	U	10	U	10	U	10	U	10	U
Acetone	10	U	10	U	10	U	10	U	10	U	10	U
Benzene	5	U	5	U	5	U	5	U	5	U	5	U
Bromodichloromethane	5	U	5	U	5	U	5	U	5	U	5	U
Bromoform	5	U	5	U	5	U	5	U	5	U	5	U
Carbon disulfide	5	U	5	U	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	U	5	U	5	U	5	U	5	U	5	U
Chlorobenzene	5	U	5	U	5	U	5	U	5	U	5	U
Chloroethane	10	U	10	U	10	U	10	U	10	U	10	U
Chloroform	5	U	5	U	5	U	5	U	5	U	5	U
cis-1,3-Dichloropropene	5	U	5	U	5	U	5	U	5	U	5	U
Dibromochloromethane	5	U	5	U	5	U	5	U	5	U	5	U
Ethene, 1,2-dichloro-, (E)-	5	U	5	U	5	U	5	U	5	U	5	U
Ethylbenzene	5	U	5	U	5	U	5	U	5	U	5	U
m-Dichlorobenzene	5	U	5	U	5	U	5	U	5	U	5	U
Methyl bromide	10	U	10	U	10	U	10	U	10	U	10	U
Methyl chloride	10	U	10	U	10	U	10	U	10	U	10	U
Methyl ethyl ketone	10	U	10	U	10	U	10	U	10	U	10	U
Methyl isobutyl ketone (MIBK)	10	U	10	U	10	U	10	U	10	U	10	U
Methyl tert-butyl ether	10	U	10	U	10	U	10	U	10	U	10	U
Methylene chloride	5	U	5	U	5	U	5	U	5	U	5	U
o-Dichlorobenzene	5	U	5	U	5	U	5	U	5	U	5	U
p-Dichlorobenzene	5	U	5	U	5	U	5	U	5	U	5	U
Tetrachloroethylene	5	U	5	U	5	U	3.4	J	3.4	J	1.1	J
Toluene	5	U	5	U	5	U	5	U	5	U	5	U
trans-1,3-Dichloropropene	5	U	5	U	5	U	5	U	5	U	5	U
Trichloroethylene	5	U	5	U	5	U	5	U	5	U	5	U
Trichlorofluoromethane	5	U	5	U	5	U	5	U	5	U	5	U
Vinyl acetate	10	U	10	U	10	U	10	U	10	U	10	U
Vinyl chloride	10	U	10	U	10	U	10	U	10	U	10	U

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Brookhaven National Laboratory

Project : Major Petroleum Facility

Analyte	076-16 Depth : 0.00 04/21/2020 mg/L		076-16 Depth : 35.00 04/21/2020 mg/L		076-16 Depth : 35.00 10/28/2020 mg/L		076-17 Depth : 0.00 04/21/2020 mg/L		076-17 Depth : 35.00 04/21/2020 mg/L		076-17 Depth : 35.00 10/28/2020 mg/L	
1,2,4-Trichlorobenzene			9.6	U	9.7	U			9.7	U	9.7	U
2,4,6-Trichlorophenol			19	U	19	U			19	U	19	U
2,4-Dichlorophenol			9.6	U	9.7	U			9.7	U	9.7	U
2,4-Dimethylphenol			9.6	U	9.7	U			9.7	U	9.7	U
2,4-Dinitrophenol			57	U	58	U			58	U	58	U
2,4-Dinitrotoluene			9.6	U	9.7	U			9.7	U	9.7	U
2,6-Dinitrotoluene			9.6	U	9.7	U			9.7	U	9.7	U
2-Chloronaphthalene			9.6	U	9.7	U			9.7	U	9.7	U
2-Chlorophenol			9.6	U	9.7	U			9.7	U	9.7	U
3,3'-Dichlorobenzidine			48	U	48	U			48	U	48	U
4,6-Dinitro-o-cresol			57	U	58	U			58	U	58	U
4-Bromophenyl phenyl ether			9.6	U	9.7	U			9.7	U	9.7	U
4-Chlorophenyl phenyl ether			9.6	U	9.7	U			9.7	U	9.7	U
Acenaphthene			9.6	U	9.7	U			9.7	U	9.7	U
Acenaphthylene			9.6	U	9.7	U			9.7	U	9.7	U
Anthracene			9.6	U	9.7	U			9.7	U	9.7	U
Benzo(a)anthracene			9.6	U	9.7	U			9.7	U	9.7	U
Benzo(a)pyrene			9.6	U	9.7	U			9.7	U	9.7	U
Benzo(b)fluoranthene			9.6	U	9.7	U			9.7	U	9.7	U
Benzo(ghi)perylene			9.6	U	9.7	U			9.7	U	9.7	U
Benzo(k)fluoranthene			9.6	U	9.7	U			9.7	U	9.7	U
Bis(2-chloroethoxy)methane			9.6	U	9.7	U			9.7	U	9.7	U
Bis(2-chloroethyl)ether			9.6	U	9.7	U			9.7	U	9.7	U
Bis(2-ethylhexyl)phthalate			6.4	J	9.7	U			0.65	J	9.7	U
bis-chloroisopropyl ether			9.6	U	9.7	U			9.7	U	9.7	U
Butyl benzyl phthalate			9.6	U	9.7	U			9.7	U	9.7	U
Chrysene			9.6	U	9.7	U			9.7	U	9.7	U
Di-n-butyl phthalate			9.6	U	9.7	U			9.7	U	9.7	U
Di-n-octyl phthalate			9.6	U	9.7	U			9.7	U	9.7	U
Dibenzo(a,h)anthracene			9.6	U	9.7	U			9.7	U	9.7	U
Diethyl phthalate			9.6	U	9.7	U			9.7	U	9.7	U
Dimethyl phthalate			9.6	U	9.7	U			9.7	U	9.7	U
Fluoranthene			9.6	U	9.7	U			9.7	U	9.7	U
Fluorene			9.6	U	9.7	U			9.7	U	9.7	U
Hexachlorobenzene			9.6	U	9.7	U			9.7	U	9.7	U
Hexachlorobutadiene			9.6	U	9.7	U			9.7	U	9.7	U
Hexachlorocyclopentadiene			48	U	48	U			48	U	48	U
Hexachloroethane			9.6	U	9.7	U			9.7	U	9.7	U
Indeno(1,2,3-cd)pyrene			9.6	U	9.7	U			9.7	U	9.7	U
Isophorone			9.6	U	9.7	U			9.7	U	9.7	U
N-Nitrosodimethylamine			9.6	U	9.7	U			9.7	U	9.7	U
N-Nitrosodiphenylamine			9.6	U	9.7	U			9.7	U	9.7	U
N-Nitrosodipropylamine			9.6	U	9.7	U			9.7	U	9.7	U
Naphthalene			9.6	U	9.7	U			9.7	U	9.7	U
Nitrobenzene			9.6	U	9.7	U			9.7	U	9.7	U
o-Nitrophenol			19	U	19	U			19	U	19	U
p-Chloro-m-cresol			9.6	U	9.7	U			9.7	U	9.7	U
p-Nitrophenol			48	U	48	U			48	U	48	U
PCP			57	U	58	U			58	U	58	U
Perfluorooctanesulfonate (PFOS)	1.77	U					2.15					
Perfluorooctanoic acid (PFOA)	22.9						18					
Phenanthrene			9.6	U	9.7	U			9.7	U	9.7	U
Phenol			9.6	U	9.7	U			9.7	U	9.7	U
Pyrene			9.6	U	9.7	U			9.7	U	9.7	U

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Brookhaven National Laboratory

Project : Major Petroleum Facility

Analyte	076-18 Depth : 0.00 04/21/2020 mg/L		076-18 Depth : 30.00 04/21/2020 mg/L		076-18 Depth : 30.00 10/28/2020 mg/L		076-19 Depth : 0.00 04/21/2020 mg/L		076-19 Depth : 30.00 04/21/2020 mg/L		076-19 Depth : 30.00 10/28/2020 mg/L	
1,2,4-Trichlorobenzene			9.5	U	9.9	U			9.6	U	9.7	U
2,4,6-Trichlorophenol			19	U	20	U			19	U	19	U
2,4-Dichlorophenol			9.5	U	9.9	U			9.6	U	9.7	U
2,4-Dimethylphenol			9.5	U	9.9	U			9.6	U	9.7	U
2,4-Dinitrophenol			57	U	59	U			57	U	58	U
2,4-Dinitrotoluene			9.5	U	9.9	U			9.6	U	9.7	U
2,6-Dinitrotoluene			9.5	U	9.9	U			9.6	U	9.7	U
2-Chloronaphthalene			9.5	U	9.9	U			9.6	U	9.7	U
2-Chlorophenol			9.5	U	9.9	U			9.6	U	9.7	U
3,3'-Dichlorobenzidine			48	U	49	U			48	U	49	U
4,6-Dinitro-o-cresol			57	U	59	U			57	U	58	U
4-Bromophenyl phenyl ether			9.5	U	9.9	U			9.6	U	9.7	U
4-Chlorophenyl phenyl ether			9.5	U	9.9	U			9.6	U	9.7	U
Acenaphthene			9.5	U	9.9	U			9.6	U	9.7	U
Acenaphthylene			9.5	U	9.9	U			9.6	U	9.7	U
Anthracene			9.5	U	9.9	U			9.6	U	9.7	U
Benzo(a)anthracene			9.5	U	9.9	U			9.6	U	9.7	U
Benzo(a)pyrene			9.5	U	9.9	U			9.6	U	9.7	U
Benzo(b)fluoranthene			9.5	U	9.9	U			9.6	U	9.7	U
Benzo(ghi)perylene			9.5	U	9.9	U			9.6	U	9.7	U
Benzo(k)fluoranthene			9.5	U	9.9	U			9.6	U	9.7	U
Bis(2-chloroethoxy)methane			9.5	U	9.9	U			9.6	U	9.7	U
Bis(2-chloroethyl)ether			9.5	U	9.9	U			9.6	U	9.7	U
Bis(2-ethylhexyl)phthalate			9.5	U	9.9	U			9.6	U	9.7	U
bis-chloroisopropyl ether			9.5	U	9.9	U			9.6	U	9.7	U
Butyl benzyl phthalate			9.5	U	9.9	U			9.6	U	9.7	U
Chrysene			9.5	U	9.9	U			9.6	U	9.7	U
Di-n-butyl phthalate			9.5	U	9.9	U			9.6	U	9.7	U
Di-n-octyl phthalate			9.5	U	9.9	U			9.6	U	9.7	U
Dibenzo(a,h)anthracene			9.5	U	9.9	U			9.6	U	9.7	U
Diethyl phthalate			9.5	U	9.9	U			9.6	U	9.7	U
Dimethyl phthalate			9.5	U	9.9	U			9.6	U	9.7	U
Fluoranthene			9.5	U	9.9	U			9.6	U	9.7	U
Fluorene			9.5	U	9.9	U			9.6	U	9.7	U
Hexachlorobenzene			9.5	U	9.9	U			9.6	U	9.7	U
Hexachlorobutadiene			9.5	U	9.9	U			9.6	U	9.7	U
Hexachlorocyclopentadiene			48	U	49	U			48	U	49	U
Hexachloroethane			9.5	U	9.9	U			9.6	U	9.7	U
Indeno(1,2,3-cd)pyrene			9.5	U	9.9	U			9.6	U	9.7	U
Isophorone			9.5	U	9.9	U			9.6	U	9.7	U
N-Nitrosodimethylamine			9.5	U	9.9	U			9.6	U	9.7	U
N-Nitrosodiphenylamine			9.5	U	9.9	U			9.6	U	9.7	U
N-Nitrosodipropylamine			9.5	U	9.9	U			9.6	U	9.7	U
Naphthalene			9.5	U	9.9	U			9.6	U	9.7	U
Nitrobenzene			9.5	U	9.9	U			9.6	U	9.7	U
o-Nitrophenol			19	U	20	U			19	U	19	U
p-Chloro-m-cresol			9.5	U	9.9	U			9.6	U	9.7	U
p-Nitrophenol			48	U	49	U			48	U	49	U
PCP			57	U	59	U			57	U	58	U
Perfluorooctanesulfonate (PFOS)	4.11						1.88	U				
Perfluorooctanoic acid (PFOA)	3.85						0.761	J				
Phenanthrene			9.5	U	9.9	U			9.6	U	9.7	U
Phenol			9.5	U	9.9	U			9.6	U	9.7	U
Pyrene			9.5	U	9.9	U			9.6	U	9.7	U

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Project : Major Petroleum Facility

Analyte	076-25 Depth : 0.00 04/21/2020 mg/L		076-25 Depth : 42.00 04/21/2020 mg/L		076-25 Depth : 42.00 10/28/2020 mg/L		076-378 Depth : 0.00 04/21/2020 mg/L		076-378 Depth : 34.50 04/21/2020 mg/L		076-378 Depth : 34.50 10/28/2020 mg/L	
1,2,4-Trichlorobenzene			9.8	U	11	U			9.5	U	10	U
2,4,6-Trichlorophenol			20	U	21	U			19	U	20	U
2,4-Dichlorophenol			9.8	U	11	U			9.5	U	10	U
2,4-Dimethylphenol			9.8	U	11	U			9.5	U	10	U
2,4-Dinitrophenol			59	U	63	U			57	U	61	U
2,4-Dinitrotoluene			9.8	U	11	U			9.5	U	10	U
2,6-Dinitrotoluene			9.8	U	11	U			9.5	U	10	U
2-Chloronaphthalene			9.8	U	11	U			9.5	U	10	U
2-Chlorophenol			9.8	U	11	U			9.5	U	10	U
3,3'-Dichlorobenzidine			49	U	53	U			47	U	51	U
4,6-Dinitro-o-cresol			59	U	63	U			57	U	61	U
4-Bromophenyl phenyl ether			9.8	U	11	U			9.5	U	10	U
4-Chlorophenyl phenyl ether			9.8	U	11	U			9.5	U	10	U
Acenaphthene			9.8	U	11	U			9.5	U	10	U
Acenaphthylene			9.8	U	11	U			9.5	U	10	U
Anthracene			9.8	U	11	U			9.5	U	10	U
Benzo(a)anthracene			9.8	U	11	U			9.5	U	10	U
Benzo(a)pyrene			9.8	U	11	U			9.5	U	10	U
Benzo(b)fluoranthene			9.8	U	11	U			9.5	U	10	U
Benzo(ghi)perylene			9.8	U	11	U			9.5	U	10	U
Benzo(k)fluoranthene			9.8	U	11	U			9.5	U	10	U
Bis(2-chloroethoxy)methane			9.8	U	11	U			9.5	U	10	U
Bis(2-chloroethyl)ether			9.8	U	11	U			9.5	U	10	U
Bis(2-ethylhexyl)phthalate			3.5	J	11	U			5.5	J	10	U
bis-chloroisopropyl ether			9.8	U	11	U			9.5	U	10	U
Butyl benzyl phthalate			9.8	U	11	U			9.5	U	10	U
Chrysene			9.8	U	11	U			9.5	U	10	U
Di-n-butyl phthalate			9.8	U	11	U			9.5	U	10	U
Di-n-octyl phthalate			9.8	U	11	U			9.5	U	10	U
Dibenzo(a,h)anthracene			9.8	U	11	U			9.5	U	10	U
Diethyl phthalate			9.8	U	11	U			9.5	U	10	U
Dimethyl phthalate			9.8	U	11	U			9.5	U	10	U
Fluoranthene			9.8	U	11	U			9.5	U	10	U
Fluorene			9.8	U	11	U			9.5	U	10	U
Hexachlorobenzene			9.8	U	11	U			9.5	U	10	U
Hexachlorobutadiene			9.8	U	11	U			9.5	U	10	U
Hexachlorocyclopentadiene			49	U	53	U			47	U	51	U
Hexachloroethane			9.8	U	11	U			9.5	U	10	U
Indeno(1,2,3-cd)pyrene			9.8	U	11	U			9.5	U	10	U
Isophorone			9.8	U	11	U			9.5	U	10	U
N-Nitrosodimethylamine			9.8	U	11	U			9.5	U	10	U
N-Nitrosodiphenylamine			9.8	U	11	U			9.5	U	10	U
N-Nitrosodipropylamine			9.8	U	11	U			9.5	U	10	U
Naphthalene			9.8	U	11	U			9.5	U	10	U
Nitrobenzene			9.8	U	11	U			9.5	U	10	U
o-Nitrophenol			20	U	21	U			19	U	20	U
p-Chloro-m-cresol			9.8	U	11	U			9.5	U	10	U
p-Nitrophenol			49	U	53	U			47	U	51	U
PCP			59	U	63	U			57	U	61	U
Perfluorooctanesulfonate (PFOS)	2.47						1.93					
Perfluorooctanoic acid (PFOA)	5.34						10.8					
Phenanthrene			9.8	U	11	U			9.5	U	10	U
Phenol			9.8	U	11	U			9.5	U	10	U
Pyrene			9.8	U	11	U			9.5	U	10	U

2020 Groundwater Data : Semivolatile Organic Compounds

Brookhaven National Laboratory

Project : Major Petroleum Facility

Analyte	076-379 Depth : 0.00 04/21/2020 mg/L		076-379 Depth : 35.50 04/21/2020 mg/L		076-379 Depth : 35.50 10/28/2020 mg/L		076-380 Depth : 0.00 04/21/2020 mg/L		076-380 Depth : 34.50 04/21/2020 mg/L		076-380 Depth : 34.50 10/28/2020 mg/L	
1,2,4-Trichlorobenzene			9.8	U	9.9	U			10	U	10	U
2,4,6-Trichlorophenol			20	U	20	U			20	U	20	U
2,4-Dichlorophenol			9.8	U	9.9	U			10	U	10	U
2,4-Dimethylphenol			9.8	U	9.9	U			10	U	10	U
2,4-Dinitrophenol			59	U	60	U			60	U	61	U
2,4-Dinitrotoluene			9.8	U	9.9	U			10	U	10	U
2,6-Dinitrotoluene			9.8	U	9.9	U			10	U	10	U
2-Chloronaphthalene			9.8	U	9.9	U			10	U	10	U
2-Chlorophenol			9.8	U	9.9	U			10	U	10	U
3,3'-Dichlorobenzidine			49	U	50	U			50	U	51	U
4,6-Dinitro-o-cresol			59	U	60	U			60	U	61	U
4-Bromophenyl phenyl ether			9.8	U	9.9	U			10	U	10	U
4-Chlorophenyl phenyl ether			9.8	U	9.9	U			10	U	10	U
Acenaphthene			9.8	U	9.9	U			10	U	10	U
Acenaphthylene			9.8	U	9.9	U			10	U	10	U
Anthracene			9.8	U	9.9	U			10	U	10	U
Benzo(a)anthracene			9.8	U	9.9	U			10	U	10	U
Benzo(a)pyrene			9.8	U	9.9	U			10	U	10	U
Benzo(b)fluoranthene			9.8	U	9.9	U			10	U	10	U
Benzo(ghi)perylene			9.8	U	9.9	U			10	U	10	U
Benzo(k)fluoranthene			9.8	U	9.9	U			10	U	10	U
Bis(2-chloroethoxy)methane			9.8	U	9.9	U			10	U	10	U
Bis(2-chloroethyl)ether			9.8	U	9.9	U			10	U	10	U
Bis(2-ethylhexyl)phthalate			1.8	J	9.9	U			10		10	U
bis-chloroisopropyl ether			9.8	U	9.9	U			10	U	10	U
Butyl benzyl phthalate			9.8	U	9.9	U			10	U	10	U
Chrysene			9.8	U	9.9	U			10	U	10	U
Di-n-butyl phthalate			9.8	U	9.9	U			10	U	10	U
Di-n-octyl phthalate			9.8	U	9.9	U			10	U	10	U
Dibenzo(a,h)anthracene			9.8	U	9.9	U			10	U	10	U
Diethyl phthalate			9.8	U	9.9	U			10	U	10	U
Dimethyl phthalate			9.8	U	9.9	U			10	U	10	U
Fluoranthene			9.8	U	9.9	U			10	U	10	U
Fluorene			9.8	U	9.9	U			10	U	10	U
Hexachlorobenzene			9.8	U	9.9	U			10	U	10	U
Hexachlorobutadiene			9.8	U	9.9	U			10	U	10	U
Hexachlorocyclopentadiene			49	U	50	U			50	U	51	U
Hexachloroethane			9.8	U	9.9	U			10	U	10	U
Indeno(1,2,3-cd)pyrene			9.8	U	9.9	U			10	U	10	U
Isophorone			9.8	U	9.9	U			10	U	10	U
N-Nitrosodimethylamine			9.8	U	9.9	U			10	U	10	U
N-Nitrosodiphenylamine			9.8	U	9.9	U			10	U	10	U
N-Nitrosodipropylamine			9.8	U	9.9	U			10	U	10	U
Naphthalene			9.8	U	9.9	U			10	U	10	U
Nitrobenzene			9.8	U	9.9	U			10	U	10	U
o-Nitrophenol			20	U	20	U			20	U	20	U
p-Chloro-m-cresol			9.8	U	9.9	U			10	U	10	U
p-Nitrophenol			49	U	50	U			50	U	51	U
PCP			59	U	60	U			60	U	61	U
Perfluorooctanesulfonate (PFOS)	12.9						15.5					
Perfluorooctanoic acid (PFOA)	7.27						6.75					
Phenanthrene			9.8	U	9.9	U			10	U	10	U
Phenol			9.8	U	9.9	U			10	U	10	U
Pyrene			9.8	U	9.9	U			10	U	10	U

**RHIC Facility
Analytical Results**

2020 Groundwater Data : Semivolatile Organic Compounds
Brookhaven National Laboratory
Project : RHIC Facility

Analyte	044-13 Depth : 38.30 09/23/2020 mg/L	
Perfluorooctanesulfonate (PFOS)	1.83	U
Perfluorooctanoic acid (PFOA)	4.74	

2020 Groundwater Data: Radionuclides
 Brookhaven National Laboratory
 Project: RHIC Facility

Analyte	025-03 depth : 46 4/28/2020 pCi/l				025-03 depth : 46 9/24/2020 pCi/l				025-04 depth : 46 4/28/2020 pCi/l				025-04 depth : 46 9/24/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-123	U	412	219	180	U	351	208	-196	U	421	218	-128	U	346	188

2020 Groundwater Data: Radionuclides
 Brookhaven National Laboratory
 Project: RHIC Facility

Analyte	025-05 depth : 12 3/18/2020 pCi/l				025-05 depth : 12 9/25/2020 pCi/l				025-06 depth : 12 3/18/2020 pCi/l				025-06 depth : 12 9/25/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-334	U	357	179	-75.2	U	354	196	-140	U	374	201	-70.7	U	360	199

2020 Groundwater Data: Radionuclides
 Brookhaven National Laboratory
 Project: RHIC Facility

Analyte	025-07 depth : 13 3/18/2020 pCi/l				025-07 depth : 13 9/25/2020 pCi/l				025-08 depth : 12 3/18/2020 pCi/l				025-08 depth : 12 9/25/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-54.1	U	370	207	77.7	U	362	209	94.6	U	373	220	-35.7	U	333	186

2020 Groundwater Data: Radionuclides
 Brookhaven National Laboratory
 Project: RHIC Facility

Analyte	034-05 depth : 42 4/28/2020 pCi/l				034-05 depth : 42 9/24/2020 pCi/l				034-06 depth : 42 4/28/2020 pCi/l				043-01 depth : 41 3/24/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-129	U	404	214	-70.4	U	348	192	108	U	425	244	-247	U	370	191

2020 Groundwater Data: Radionuclides
 Brookhaven National Laboratory
 Project: RHIC Facility

Analyte	043-01 depth : 41 9/25/2020 pCi/l				043-02 depth : 64 3/24/2020 pCi/l				043-02 depth : 64 9/25/2020 pCi/l				044-13 depth : 38 3/24/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	28.3	U	356	203	4310		374	585	-107	U	361	198	-27	U	371	210

2020 Groundwater Data: Radionuclides
 Brookhaven National Laboratory
 Project: RHIC Facility

Analyte	044-13 depth : 38 9/23/2020 pCi/l				044-14 depth : 59 3/18/2020 pCi/l				044-14 depth : 59 9/23/2020 pCi/l				044-29 depth : 35 3/24/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-105	U	354	194	-194	U	383	201	-30.7	U	345	193	4.5	U	382	216

2020 Groundwater Data: Radionuclides
Brookhaven National Laboratory
Project: RHIC Facility

Analyte	044-29 depth : 35 9/25/2020 pCi/l			
	Result	Qual	MDA	Error
Tritium	282	U	345	211

Service Station
Analytical Results

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**Sewage Treatment Plant and Peconic River
Analytical Results**

2020 Groundwater Data : Semivolatile Organic Compounds

Brookhaven National Laboratory

Project : Sewage Treatment Plant and Peconic River

Analyte	038-02 Depth : 18.00 01/27/2020 mg/L		039-07 Depth : 20.00 01/28/2020 mg/L		039-08 Depth : 22.00 01/28/2020 mg/L		039-115 Depth : 17.50 01/28/2020 mg/L		039-86 Depth : 20.00 01/28/2020 mg/L		039-87 Depth : 19.00 01/28/2020 mg/L	
	Perfluorooctanesulfonate (PFOS)	5.78		52.6		152		4.55		79.6		2.55
Perfluorooctanoic acid (PFOA)	4.54		9.15		36.4		1.96		36.8		39.3	

2020 Groundwater Data : Semivolatile Organic Compounds

Brookhaven National Laboratory

Project : Sewage Treatment Plant and Peconic River

Analyte	039-89 Depth : 22.50 01/28/2020 mg/L		039-90 Depth : 22.50 01/28/2020 mg/L		048-08 Depth : 17.50 01/29/2020 mg/L		048-09 Depth : 17.50 01/29/2020 mg/L		048-10 Depth : 17.50 01/29/2020 mg/L	
	Perfluorooctanesulfonate (PFOS)	17.8		16		1.85	U	1.81	U	5.09
Perfluorooctanoic acid (PFOA)	6.5		6		1.85	U	2.1		2.25	

2020 Groundwater Data: Metals
 Brookhaven National Laboratory
 Project: Sewage Treatment Plant and Peconic River

Analyte	039-115 depth : 18 11/3/2020 ug/L		039-87 depth : 18 11/3/2020 ug/L		039-88 depth : 24 11/3/2020 ug/L		039-89 depth : 22 11/3/2020 ug/L		048-08 depth : 18 11/3/2020 ug/L		048-09 depth : 18 11/3/2020 ug/L		048-10 depth : 18 11/3/2020 ug/L	
Aluminum	68	U	317		68	U	68	U	68	U	277		232	
Antimony	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Arsenic	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Barium	23.2	B	12.2	B	86.8	B	86.7	B	19.3	B	42.5	B	25.9	B
Beryllium	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Cadmium	1.27	B	1	U	1	U	1	U	1	U	1	U	1	U
Calcium	22600		6540		22700		18700		7830		4570	B	6760	
Chromium	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Cobalt	1.12	B	1	U	4.06	B	1.99	B	1	U	1.24	B	1.4	B
Copper	3.54		0.924	B	3.63		4.02		0.3	U	0.339	B	0.3	U
Iron	30	U	246		30.7	B	30	U	30	U	139		63.1	B
Lead	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Magnesium	7610		1230		7670		7000		2030		2190		3610	
Manganese	1.75	B	15.3		2.48	B	1	U	114		25.5		72	
Mercury	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U
Nickel	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
Potassium	6680		583	B	7840		5600		724	B	726	B	1010	B
Selenium	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Silver	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Sodium	98600		2010	B	92500		75200		27000		21600		24900	
Thallium	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Vanadium	4.76	B	1	U	1	U	1	U	1	U	1	U	1	U
Zinc	9.49	B	13.1	B	9.2	B	8.37	B	6.6	B	6.14	B	7.25	B

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Waste Management Facility
Analytical Results

2020 Groundwater Data: Volatile Organic Compounds
 Brookhaven National Laboratory
 Project: Waste Management Facility

Analyte	055-03 depth : 50 2/26/2020 ug/L		055-03 depth : 50 9/15/2020 ug/L		055-10 depth : 94 2/26/2020 ug/L		055-10 depth : 94 9/15/2020 ug/L		056-21 depth : 51 2/26/2020 ug/L		056-21 depth : 51 9/16/2020 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
1,1,1-Trichloroethane	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
1,1,2-Trichloroethane	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
1,1-Dichloroethylene	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
1,2,3-Trichlorobenzene	0.59	U	0.59	U	0.59	U	0.59	U	0.59	U	0.59	U
1,2,3-Trichloropropane	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
1,2-Dichloropropane	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
1,4-Dioxane	0.2	U			0.114	J						
2,2-Dichloropropane	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
Benzene, 1,2,4-trimethyl	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
Benzene, 1-methylethyl-	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
Bromodichloromethane	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
Carbon tetrachloride	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
Chlorobromomethane	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
Chloroform	0.5	U	0.5	U	1.6		1.5		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
cis-1,3-Dichloropropene	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
DBCP	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U
Dibromochloromethane	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
Dichlorodifluoromethane	0.5	U	0.66	U	0.5	U	0.66	U	0.5	U	0.66	U
EDB	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
Ethylbenzene	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
m/p xylene	1	U	1	U	1	U	1	U	1	U	1	U
Methyl bromide	0.5	U	0.57	U	0.5	U	0.57	U	0.5	U	0.57	U
Methyl chloride	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
Methylene chloride	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
n-Propylbenzene	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
o-Dichlorobenzene	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
p-Chlorotoluene	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
sec-Butylbenzene	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
tert-Butylbenzene	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
Toluene	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
Trichloroethylene	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
Vinyl chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Xylene (total)	3	U	3	U	3	U	3	U	3	U	3	U
524.2 TVOC	0		0		1.6		1.5		0		0	

2020 Groundwater Data: Volatile Organic Compounds
 Brookhaven National Laboratory
 Project: Waste Management Facility

Analyte	056-22 depth : 51 2/26/2020 ug/L		056-22 depth : 51 9/16/2020 ug/L		066-220 depth : 46 2/26/2020 ug/L		066-220 depth : 46 9/15/2020 ug/L		066-221 depth : 47 2/26/2020 ug/L		066-221 depth : 47 9/15/2020 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
1,1,1-Trichloroethane	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
1,1,2-Trichloroethane	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
1,1-Dichloroethylene	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
1,2,3-Trichlorobenzene	0.59	U	0.59	U	0.59	U	0.59	U	0.59	U	0.59	U
1,2,3-Trichloropropane	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
1,2-Dichloropropane	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
1,4-Dioxane												
2,2-Dichloropropane	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
Benzene, 1,2,4-trimethyl	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
Benzene, 1-methylethyl-	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
Bromodichloromethane	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
Carbon tetrachloride	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
Chlorobromomethane	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
Chloroform	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
cis-1,3-Dichloropropene	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
DBCP	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U
Dibromochloromethane	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
Dichlorodifluoromethane	0.5	U	0.66	U	0.5	U	0.66	U	0.5	U	0.66	U
EDB	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
Ethylbenzene	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
m/p xylene	1	U	1	U	1	U	1	U	1	U	1	U
Methyl bromide	0.5	U	0.57	U	0.5	U	0.57	U	0.5	U	0.57	U
Methyl chloride	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
Methylene chloride	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
n-Propylbenzene	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
o-Dichlorobenzene	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
p-Chlorotoluene	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
sec-Butylbenzene	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
tert-Butylbenzene	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
Toluene	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
Trichloroethylene	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
Vinyl chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Xylene (total)	3	U	3	U	3	U	3	U	3	U	3	U
524.2 TVOC	0		0		0		0		0		0	

2020 Groundwater Data: Volatile Organic Compounds
 Brookhaven National Laboratory
 Project: Waste Management Facility

Analyte	066-222 depth : 48 2/26/2020 ug/L		066-222 depth : 48 9/16/2020 ug/L		066-223 depth : 48 2/26/2020 ug/L		066-223 depth : 48 9/16/2020 ug/L	
1,1,1,2-Tetrachloroethane	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
1,1,2,2-Tetrachloroethane	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
1,1-Dichloroethane	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
1,1-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichlorobenzene	0.59	U	0.59	U	0.59	U	0.59	U
1,2,3-Trichloropropane	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
1,2-Dichloropropane	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
1,4-Dioxane								
2,2-Dichloropropane	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
Benzene, 1,2,4-trimethyl	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
Benzene, 1-methylethyl-	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
Bromodichloromethane	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
Carbon tetrachloride	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
Chlorobromomethane	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
Chloroform	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
cis-1,3-Dichloropropene	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
DBCP	0.63	U	0.63	U	0.63	U	0.63	U
Dibromochloromethane	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
Dichlorodifluoromethane	0.5	U	0.66	U	0.5	U	0.66	U
EDB	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
Ethylbenzene	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
m/p xylene	1	U	1	U	1	U	1	U
Methyl bromide	0.5	U	0.57	U	0.5	U	0.57	U
Methyl chloride	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
Methylene chloride	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
n-Propylbenzene	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
o-Dichlorobenzene	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
p-Chlorotoluene	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
sec-Butylbenzene	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
tert-Butylbenzene	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
Toluene	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
Trichloroethylene	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
Vinyl chloride	0.5	U	0.5	U	0.5	U	0.5	U
Xylene (total)	3	U	3	U	3	U	3	U
524.2 TVOC	0		0		0		0	

2020 Groundwater Data : Semivolatile Organic Compounds

Brookhaven National Laboratory

Project : Waste Mgt Facility

Analyte	055-03 Depth : 50.00 02/26/2020 mg/L		055-03 Depth : 50.00 09/15/2020 mg/L		055-10 Depth : 94.00 02/26/2020 mg/L		055-10 Depth : 94.00 09/15/2020 mg/L		056-21 Depth : 51.00 02/26/2020 mg/L		056-21 Depth : 51.00 09/16/2020 mg/L	
1,2,4-Trichlorobenzene	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
Hexachlorobutadiene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Naphthalene	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U
Perfluorooctanesulfonate (PFOS)	2.13				18.7							
Perfluorooctanoic acid (PFOA)	0.665	J			8.61							

2020 Groundwater Data : Semivolatile Organic Compounds

Brookhaven National Laboratory

Project : Waste Mgt Facility

Analyte	056-22 Depth : 51.00 02/26/2020 mg/L		056-22 Depth : 51.00 09/16/2020 mg/L		066-220 Depth : 46.00 02/26/2020 mg/L		066-220 Depth : 46.00 09/15/2020 mg/L		066-221 Depth : 47.00 02/26/2020 mg/L		066-221 Depth : 47.00 09/15/2020 mg/L	
		U		U		U		U		U		U
1,2,4-Trichlorobenzene	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
Hexachlorobutadiene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Naphthalene	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U
Perfluorooctanesulfonate (PFOS)												
Perfluorooctanoic acid (PFOA)												

2020 Groundwater Data : Semivolatile Organic Compounds

Brookhaven National Laboratory

Project : Waste Mgt Facility

Analyte	066-222 Depth : 48.00 02/26/2020 mg/L		066-222 Depth : 48.00 09/16/2020 mg/L		066-223 Depth : 48.00 02/26/2020 mg/L		066-223 Depth : 48.00 09/16/2020 mg/L	
1,2,4-Trichlorobenzene	0.55	U	0.55	U	0.55	U	0.55	U
Hexachlorobutadiene	0.5	U	0.5	U	0.5	U	0.5	U
Naphthalene	0.67	U	0.67	U	0.67	U	0.67	U
Perfluorooctanesulfonate (PFOS)								
Perfluorooctanoic acid (PFOA)								

2020 Groundwater Data: Metals
 Brookhaven National Laboratory
 Project: Waste Management Facility

Analyte	055-03 depth : 50 9/15/2020 ug/L		055-10 depth : 94 9/15/2020 ug/L		056-21 depth : 51 9/16/2020 ug/L		056-22 depth : 51 9/16/2020 ug/L		066-220 depth : 46 9/15/2020 ug/L		066-221 depth : 47 9/15/2020 ug/L		066-222 depth : 48 9/16/2020 ug/L		066-223 depth : 48 9/16/2020 ug/L	
Aluminum	45	B	50	U	66		87		50	U	50	U	54		480	
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	11	B	32		19	B	27		16	B	26		18	B	30	
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	3900		9200		6500		13000		6500		8500		7100		11000	
Chromium	10	U	10	U	10	U	10	U	4.5	B	10	U	10	U	10	U
Cobalt	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Copper	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Iron	49	B	30	B	68		120		60		50	U	50	U	500	
Lead	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
Magnesium	1200		3000		2000		4600		770		1400		1200		3300	
Manganese	4	U	4	U	5.6		9.5		2.5	B	3.1	B	4	U	15	
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	10	U	10	U	10	U	10	U	3.1	B	10	U	10	U	10	U
Potassium	530	B	1500	B	730	B	1000	B	760	B	1000	B	1200	B	1300	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	29000		41000		20000		26000		17000		44000		24000		23000	
Thallium	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Vanadium	7	U	7	U	7	U	7	U	7	U	7	U	7	U	7	U
Zinc	20	U	20	U	20	U	20	U	20	U	20	U	9.8	B	20	U

2020 Groundwater Data: General Chemistry
 Brookhaven National Laboratory
 Project: Waste Management Facility

<i>Analyte</i>	055-03 depth : 50 9/15/2020 mg/L		055-10 depth : 94 9/15/2020 mg/L		056-21 depth : 51 9/16/2020 mg/L		056-22 depth : 51 9/16/2020 mg/L		066-220 depth : 46 9/15/2020 mg/L		066-221 depth : 47 9/15/2020 mg/L		066-222 depth : 48 9/16/2020 mg/L		066-223 depth : 48 9/16/2020 mg/L	
		D		D		D		D		D		D		D		D
Chloride	38		62		32		47		16		40		19		42	
Nitrite + Nitrate-N	0.47		0.53		0.16		1.3		2.1		2.5		2		1.9	
Sulfate	2.8		13		8.1		10		8.4		33	D	13		9.2	

2020 Groundwater Data: Radionuclides
 Brookhaven National Laboratory
 Project: Waste Management Facility

Analyte	055-03 depth : 50 2/26/2020 pCi/l				055-03 depth : 50 9/15/2020 pCi/l				055-10 depth : 94 2/26/2020 pCi/l				055-10 depth : 94 9/15/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241	-4.4	U	21.4	11.2	5.35	U DL	26.1	15.6					6.18	U	24.5	14.7
Beryllium-7	4.56	U	53.3	43.8	-34.9	U DL	77.9	66.3					25.8	U	56.6	47.5
Cesium-134	-0.968	U DL	13.3	1.3	-0.788	U DL	14.2	0.996					6.64	U DL	13.6	12.3
Cesium-137	2.36	U	7.83	6.61	2.21	U	7.96	6.79					-5.28	U	10.7	9.39
Co-60	1.42	U	8.14	7.42	-0.35	U	7.68	6.81					3.16	U	7.09	4.58
Cobalt-57	0.406	U DL	6.09	0.78	0	U DL	6.66	2.36					0.432	U DL	7.03	1.93
Europium-152	20.3	U DL	88.1	43.4	25.4	U	67.1	40.1					7.7	U DL	102	13.1
Europium-154	7.25	U	56.3	11	27.2	U DL	60.4	34					10	U DL	58.1	17.5
Europium-155	-8.96	U	29.2	21.4	-8.04	U	27.9	16.7					-10.4	U	34.1	20.5
Gross Alpha	0.272	U	1.78	0.965	-0.647	U	1.81	0.841	0.397	U	1.99	1.09	0.989	U	1.75	1.08
Gross Beta	0.352	U	0.827	0.498	-0.169	U	0.957	0.519	1.18		0.946	0.647	0.967		0.934	0.627
Manganese-54	-5.34	U DL	11.3	6.21	-5.23	U DL	12.2	7.41					-2.58	U DL	12.6	7.86
Sodium-22	2.83	U	6.89	4.13	-7.01	U DL	12.2	7.57					1.08	U DL	7.87	4.37
Strontium-90																
Tritium	-40.5	U	448	246	-82.9	U	408	214	63.1	U	436	250	108	U	403	234
Zinc-65	5.18	U DL	25.2	14.8	6.86	U DL	20.7	12.3					0	U DL	28.5	4.47

2020 Groundwater Data: Radionuclides
 Brookhaven National Laboratory
 Project: Waste Management Facility

Analyte	056-21 depth : 51 2/26/2020 pCi/l				056-21 depth : 51 9/16/2020 pCi/l				056-22 depth : 51 2/26/2020 pCi/l				056-22 depth : 51 9/16/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241	-8.43	U DL	31.5	18.9	-7.47	U DL	29.2	17.5	-9.16	U	22.3	12.6	-5.36	U	23.8	14.2
Beryllium-7	18.3	U DL	83.2	68.7	-44.5	U DL	103	83.2	-6.38	U DL	67.3	56	-7.71	U DL	64.5	53
Cesium-134	-3.47	U DL	23.1	8.08	8.14	U DL	14	8.19	1.45	U DL	13.6	2.49	6.12	U DL	8.3	10.8
Cesium-137	0.619	U	11.8	9.77	-4.86	U DL	14.3	11.9	1.37	U	7.5	6.24	-2.47	U	8.82	7.57
Co-60	-7.74	U	18.1	16.7	4.08	U	8.77	7.59	1.99	U	8.99	4.49	1.3	U	7.68	1.16
Cobalt-57	0.151	U DL	9.07	5.33	0	U DL	7.79	2.04	0	U DL	6.83	2.08	-2.18	U DL	6.33	3.8
Europium-152	22	U DL	143	12.9	23.3	U DL	136	20	20.7	U	81.1	27.2	-41.4	U DL	102	61.6
Europium-154	33.1	U DL	67.3	58.8	5.3	U DL	94.3	13.8	10.4	U DL	63.2	29.9	24	U	50.4	22.2
Europium-155	-2.93	U	35.5	22.2	-10.3	U	33.3	22.8	6.23	U	14.4	9.28	-8.5	U	29.6	17.8
Gross Alpha	0.364	U	1.16	0.661	0.898	U	1.75	1.07	2.16	U DL	2.44	1.62	1.54	U	1.66	1.14
Gross Beta	1.49		0.963	0.685	0.54	U	0.969	0.603	0.648	U	0.927	0.603	2.45		1.02	0.813
Manganese-54	1.91	U DL	11.4	6.54	-5.38	U DL	15.9	9.49	-4.23	U DL	10.6	4.2	-0.34	U DL	11.3	6.46
Sodium-22	2.04	U DL	7.51	4.23	-4.39	U DL	13	7.65	0.629	U DL	9.39	5.26	-0.453	U DL	9.35	5.17
Strontium-90	0.106	U	0.258	0.154	0.208	U	0.277	0.175	0.131	U	0.309	0.185				
Tritium	-49.5	U	477	257	-97.7	U	399	208	27	U	466	259	13.5	U	408	225
Zinc-65	0.488	U DL	37.7	21.3	0	U DL	33.6	2.22	4.96	U DL	24	14.1	-11.9	U DL	30.3	18.3

2020 Groundwater Data: Radionuclides
 Brookhaven National Laboratory
 Project: Waste Management Facility

Analyte	066-220 depth : 46 2/26/2020 pCi/l				066-220 depth : 46 9/15/2020 pCi/l				066-221 depth : 47 2/26/2020 pCi/l				066-221 depth : 47 9/15/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241	-4.76	U	22	10.1	-6.39	U DL	26.3	15.8	7.03	U DL	26.2	15.7	5.98	U DL	26.8	16
Beryllium-7	-23.2	U	60	50.6	7.16	U	57.7	47.1	31.6	U DL	72.9	60.9	-29.1	U DL	92.5	73.9
Cesium-134	4.91	U DL	10.1	7.04	0.17	U DL	13.7	0.185	-1.04	U DL	17.8	2.17	5.06	U DL	17.9	5.31
Cesium-137	-1.79	U	8.74	7.61	2.96	U	6.44	5.52	9.1		6.78	6.35	-2.57	U DL	13.6	11.1
Co-60	3.59	U	7.16	6.69	0.0383	U	9.63	0.0661	3.29	U	7.82	6.7	7.16	N2	4.8	4.4
Cobalt-57	3.57	U DL	6.48	5.29	-0.06	U DL	7.15	4.19	0.231	U DL	7.5	0.579	3.21	U DL	7.47	5.8
Europium-152	-38.2	U DL	115	68.6	25.4	U	74.9	21.2	20.3	U DL	87.5	31.6	5.59	U DL	142	11.4
Europium-154	12.1	U DL	63.2	18.2	14.5	U DL	64.8	22.2	-15.2	U DL	116	24.9	11.9	U DL	102	19.6
Europium-155	6.43	U	31.7	19	3.8	U	26.5	13.9	-0.65	U	37.4	44	4.66	U	29.9	17.8
Gross Alpha	-0.242	U	1.64	0.791	0.873	U	1.37	0.865	0.833	U	1.3	0.848	0.869	U	1.6	0.987
Gross Beta	0.355	U	0.922	0.549	2.02		1.12	0.81	1.56		0.887	0.663	1.62		1.03	0.737
Manganese-54	0.0287	U DL	8.4	7.33	-0.085	U DL	10.1	5.7	-2.23	U DL	12.5	7.19	4.32	U DL	16.2	9.52
Sodium-22	7.13		5.78	4.29	-4.98	U DL	10.9	6.61	-7.38	U DL	13.5	8.37	-0.627	U DL	10.9	5.75
Strontium-90	0.154	U	0.265	0.163	0.282	U	0.288	0.188	0.134	U	0.27	0.164	0.213	U	0.296	0.185
Tritium	-63.1	U	450	245	-67.6	U	403	213	162	U	450	264	54.1	U	419	235
Zinc-65	-0.086	U DL	28.8	16.6	7.93	U DL	22.9	13.6	6.34	U DL	27.3	15.8	0	U DL	36.1	3.14

2020 Groundwater Data: Radionuclides
 Brookhaven National Laboratory
 Project: Waste Management Facility

Analyte	066-222 depth : 48 2/26/2020 pCi/l				066-222 depth : 48 9/16/2020 pCi/l				066-223 depth : 48 2/26/2020 pCi/l				066-223 depth : 48 9/16/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241	3.44	U	14.2	10.5	3.8	U	8.57	5.37	-0.12	U	14.5	10.1	-6.3	U DL	26	15.6
Beryllium-7	-9.02	U DL	69.1	53.7	11.9	U DL	68.3	56.5	0	U DL	69.7	13.9	-9.37	U DL	64.5	53.2
Cesium-134	6.95	U DL	13.4	9.03	2.09	U DL	16.4	2.19	0.616	U DL	14	1.98	4.73	U DL	13	10.4
Cesium-137	0	U	11.7	1.8	-5.65	U	11.4	10	-0.989	U	9.91	8.05	-0.34	U	9.21	7.78
Co-60	-10.3	U	16.6	7.91	0.0732	U	9.42	0.262	1.2	U	8.91	3.92	-4.67	U	11.9	11.4
Cobalt-57	1.19	U DL	6.25	3.69	2.53	U DL	5.79	4.05	1.14	U DL	6.27	2.6	0	U DL	6.56	2.44
Europium-152	-46.3	U DL	137	81.4	24.2	U DL	115	10.2	-35.5	U DL	114	67.4	12.9	U DL	95.5	6.69
Europium-154	-51.9	U DL	99.5	75.3	4.3	U DL	71.9	11	-49.6	U DL	101	88.8	-43	U DL	83	75.5
Europium-155	1.12	U	26.4	3.94	7.82	U	32.8	19.6	-1.73	U	30.9	27.6	-1.78	U	27.4	16.1
Gross Alpha	0.86	U	1.57	0.976	1.19	U	1.85	1.17	0.132	U	1.54	0.796	3.73		1.52	1.42
Gross Beta	1.93		0.856	0.688	2.39		0.995	0.792	1.61		0.857	0.648	2.61		0.933	0.807
Manganese-54	-6.74	U DL	16.5	5.76	-2.44	U DL	9.84	3.99	2.75	U DL	8.26	4.87	2.9	U DL	7.14	4.29
Sodium-22	0.933	U DL	10.3	5.52	1.08	U DL	7.87	4.37	-2.36	U DL	10.7	6.14	1.02	U DL	7.45	4.13
Strontium-90	0.192	U	0.293	0.182	0.261		0.259	0.169	0.227	U	0.284	0.18	0.194	U	0.281	0.176
Tritium	162	U	460	268	54.1	U	394	224	-67.6	U	465	251	4.5	U	404	223
Zinc-65	-7.71	U DL	32.9	19.2	-11.9	U DL	27.5	16.6	0	U DL	27.7	7.93	0	U DL	25.7	7.94

NSLS II
Analytical Results

2020 Groundwater Data: Volatile Organic Compounds

Brookhaven National Laboratory

Project: NSLS II

Analyte	076-18 depth : 0 4/21/2020 ug/L		076-18 depth : 30 4/21/2020 ug/L		076-18 depth : 30 10/28/2020 ug/L		076-19 depth : 0 4/21/2020 ug/L		076-19 depth : 30 4/21/2020 ug/L		076-19 depth : 30 10/28/2020 ug/L	
1,1,1-Trichloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethylene	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethane	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichloropropane	5	U	5	U	5	U	5	U	5	U	5	U
1,4-Dioxane	0.2	U	0.2	U			0.2	U	0.2	U		
2-Hexanone	10	U	10	U	10	U	10	U	10	U	10	U
Acetone	10	U	10	U	10	U	10	U	10	U	10	U
Benzene	5	U	5	U	5	U	5	U	5	U	5	U
Bromodichloromethane	5	U	5	U	5	U	5	U	5	U	5	U
Bromoform	5	U	5	U	5	U	5	U	5	U	5	U
Carbon disulfide	5	U	5	U	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	U	5	U	5	U	5	U	5	U	5	U
Chlorobenzene	5	U	5	U	5	U	5	U	5	U	5	U
Chloroethane	10	U	10	U	10	U	10	U	10	U	10	U
Chloroform	0.55	J	0.55	J	1.3	J	5	U	5	U	5	U
cis-1,3-Dichloropropene	5	U	5	U	5	U	5	U	5	U	5	U
Dibromochloromethane	5	U	5	U	5	U	5	U	5	U	5	U
Ethene, 1,2-dichloro-, (E)-	5	U	5	U	5	U	5	U	5	U	5	U
Ethylbenzene	5	U	5	U	5	U	5	U	5	U	5	U
m-Dichlorobenzene	5	U	5	U	5	U	5	U	5	U	5	U
Methyl bromide	10	U	10	U	10	U	10	U	10	U	10	U
Methyl chloride	10	U	10	U	10	U	10	U	10	U	10	U
Methyl ethyl ketone	10	U	10	U	10	U	10	U	10	U	10	U
Methyl isobutyl ketone (MIBK)	10	U	10	U	10	U	10	U	10	U	10	U
Methyl tert-butyl ether	10	U	10	U	10	U	10	U	10	U	10	U
Methylene chloride	5	U	5	U	5	U	5	U	5	U	5	U
o-Dichlorobenzene	5	U	5	U	5	U	5	U	5	U	5	U
p-Dichlorobenzene	5	U	5	U	5	U	5	U	5	U	5	U
Tetrachloroethylene	5	U	5	U	5	U	5	U	5	U	5	U
Toluene	5	U	5	U	5	U	5	U	5	U	5	U
trans-1,3-Dichloropropene	5	U	5	U	5	U	5	U	5	U	5	U
Trichloroethylene	5	U	5	U	5	U	5	U	5	U	5	U
Trichlorofluoromethane	5	U	5	U	5	U	5	U	5	U	5	U
Vinyl acetate	10	U	10	U	10	U	10	U	10	U	10	U
Vinyl chloride	10	U	10	U	10	U	10	U	10	U	10	U

2020 Groundwater Data : Semivolatile Organic Compounds

Brookhaven National Laboratory

Project : NSLS II

Analyte	076-18 Depth : 0.00 04/21/2020 mg/L		076-18 Depth : 30.00 04/21/2020 mg/L		076-18 Depth : 30.00 10/28/2020 mg/L		076-19 Depth : 0.00 04/21/2020 mg/L		076-19 Depth : 30.00 04/21/2020 mg/L		076-19 Depth : 30.00 10/28/2020 mg/L	
1,2,4-Trichlorobenzene			9.5	U	9.9	U			9.6	U	9.7	U
2,4,6-Trichlorophenol			19	U	20	U			19	U	19	U
2,4-Dichlorophenol			9.5	U	9.9	U			9.6	U	9.7	U
2,4-Dimethylphenol			9.5	U	9.9	U			9.6	U	9.7	U
2,4-Dinitrophenol			57	U	59	U			57	U	58	U
2,4-Dinitrotoluene			9.5	U	9.9	U			9.6	U	9.7	U
2,6-Dinitrotoluene			9.5	U	9.9	U			9.6	U	9.7	U
2-Chloronaphthalene			9.5	U	9.9	U			9.6	U	9.7	U
2-Chlorophenol			9.5	U	9.9	U			9.6	U	9.7	U
3,3'-Dichlorobenzidine			48	U	49	U			48	U	49	U
4,6-Dinitro-o-cresol			57	U	59	U			57	U	58	U
4-Bromophenyl phenyl ether			9.5	U	9.9	U			9.6	U	9.7	U
4-Chlorophenyl phenyl ether			9.5	U	9.9	U			9.6	U	9.7	U
Acenaphthene			9.5	U	9.9	U			9.6	U	9.7	U
Acenaphthylene			9.5	U	9.9	U			9.6	U	9.7	U
Anthracene			9.5	U	9.9	U			9.6	U	9.7	U
Benzo(a)anthracene			9.5	U	9.9	U			9.6	U	9.7	U
Benzo(a)pyrene			9.5	U	9.9	U			9.6	U	9.7	U
Benzo(b)fluoranthene			9.5	U	9.9	U			9.6	U	9.7	U
Benzo(ghi)perylene			9.5	U	9.9	U			9.6	U	9.7	U
Benzo(k)fluoranthene			9.5	U	9.9	U			9.6	U	9.7	U
Bis(2-chloroethoxy)methane			9.5	U	9.9	U			9.6	U	9.7	U
Bis(2-chloroethyl)ether			9.5	U	9.9	U			9.6	U	9.7	U
Bis(2-ethylhexyl)phthalate			9.5	U	9.9	U			9.6	U	9.7	U
bis-chloroisopropyl ether			9.5	U	9.9	U			9.6	U	9.7	U
Butyl benzyl phthalate			9.5	U	9.9	U			9.6	U	9.7	U
Chrysene			9.5	U	9.9	U			9.6	U	9.7	U
Di-n-butyl phthalate			9.5	U	9.9	U			9.6	U	9.7	U
Di-n-octyl phthalate			9.5	U	9.9	U			9.6	U	9.7	U
Dibenzo(a,h)anthracene			9.5	U	9.9	U			9.6	U	9.7	U
Diethyl phthalate			9.5	U	9.9	U			9.6	U	9.7	U
Dimethyl phthalate			9.5	U	9.9	U			9.6	U	9.7	U
Fluoranthene			9.5	U	9.9	U			9.6	U	9.7	U
Fluorene			9.5	U	9.9	U			9.6	U	9.7	U
Hexachlorobenzene			9.5	U	9.9	U			9.6	U	9.7	U
Hexachlorobutadiene			9.5	U	9.9	U			9.6	U	9.7	U
Hexachlorocyclopentadiene			48	U	49	U			48	U	49	U
Hexachloroethane			9.5	U	9.9	U			9.6	U	9.7	U
Indeno(1,2,3-cd)pyrene			9.5	U	9.9	U			9.6	U	9.7	U
Isophorone			9.5	U	9.9	U			9.6	U	9.7	U
N-Nitrosodimethylamine			9.5	U	9.9	U			9.6	U	9.7	U
N-Nitrosodiphenylamine			9.5	U	9.9	U			9.6	U	9.7	U
N-Nitrosodipropylamine			9.5	U	9.9	U			9.6	U	9.7	U
Naphthalene			9.5	U	9.9	U			9.6	U	9.7	U
Nitrobenzene			9.5	U	9.9	U			9.6	U	9.7	U
o-Nitrophenol			19	U	20	U			19	U	19	U
p-Chloro-m-cresol			9.5	U	9.9	U			9.6	U	9.7	U
p-Nitrophenol			48	U	49	U			48	U	49	U
PCP			57	U	59	U			57	U	58	U
Perfluorooctanesulfonate (PFOS)	4.11						1.88	U				
Perfluorooctanoic acid (PFOA)	3.85						0.761	J				
Phenanthrene			9.5	U	9.9	U			9.6	U	9.7	U
Phenol			9.5	U	9.9	U			9.6	U	9.7	U
Pyrene			9.5	U	9.9	U			9.6	U	9.7	U

2020 Groundwater Data: Radionuclides
 Brookhaven National Laboratory
 Project: NSLS II

Analyte	076-18 depth : 30 10/28/2020 pCi/l				076-19 depth : 30 10/28/2020 pCi/l				086-123 depth : 34 12/16/2020 pCi/l				086-124 depth : 47 12/16/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-39.2	U	331	177	-32	U	336	180	-139	U	414	222	-50.1	U	424	234

2020 Groundwater Data: Radionuclides
 Brookhaven National Laboratory
 Project: NSLS II

Analyte	086-125 depth : 37 12/16/2020 pCi/l				086-126 depth : 36 12/16/2020 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-63.3	U	430	236	49.8	U	427	242