

Appendix D
2019 Facility Monitoring
Groundwater Results

AGS Research Areas

Analytical Results

Analyte	054-07 depth : 35 4/19/2019 pCi/l				054-07 depth : 35 10/23/2019 pCi/l				054-124 depth : 32 4/19/2019 pCi/l				054-124 depth : 32 10/23/2019 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	1130		317	297	18600		361	1910	41.9	U	341	190	33.8	U	367	206

Analyte	054-125 depth : 32 11/14/2019 pCi/l				054-126 depth : 35 4/19/2019 pCi/l				054-126 depth : 35 10/23/2019 pCi/l				054-127 depth : 30 11/22/2019 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-110	U	414	217	82.9	U	314	184	48.2	U	360	204	-158	U	414	211

Analyte	054-128 depth : 30 11/14/2019 pCi/l				054-129 depth : 30 11/14/2019 pCi/l				054-130 depth : 30 11/14/2019 pCi/l				054-168 depth : 25 11/20/2019 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-150	U	412	211	311	U	417	264	-45	U	416	224	-238	U	421	205

Analyte	054-169 depth : 25 11/20/2019 pCi/l				054-184 depth : 32 4/19/2019 pCi/l				054-184 depth : 32 10/23/2019 pCi/l				054-185 depth : 32 4/19/2019 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-18	U	417	229	1710		313	354	6980		369	879	3070		322	487

Analyte	054-185 depth : 32 10/23/2019 pCi/l				054-191 depth : 28 12/12/2019 pCi/l				054-62 depth : 26 12/17/2019 pCi/l				054-63 depth : 50 12/11/2019 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	7970		374	971	-104	U	371	201	-99.1	U	353	194	-186	U	362	190

Analyte	054-64 depth : 50 12/11/2019 pCi/l				054-65 depth : 25 4/19/2019 pCi/l				054-65 depth : 25 10/23/2019 pCi/l				054-66 depth : 26 11/14/2019 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	383		373	246	103	U	304	182	147	U	372	221	-75.7	U	417	222

Analyte	054-67 depth : 25 11/14/2019 pCi/l				054-68 depth : 25 11/14/2019 pCi/l				054-69 depth : 25 11/20/2019 pCi/l				055-14 depth : 25 11/22/2019 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-54.1	U	419	225	-18	U	417	229	-54.1	U	423	227	-159	U	417	213

Analyte	055-15 depth : 26 12/5/2019 pCi/l				055-16 depth : 25 12/5/2019 pCi/l				055-29 depth : 52 12/5/2019 pCi/l				055-30 depth : 28 12/5/2019 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-36	U	381	211	-163	U	380	199	-67.6	U	375	206	31.5	U	353	206

Analyte	055-31 depth : 50 11/9/2019 pCi/l				055-32 depth : 48 12/5/2019 pCi/l				064-03 depth : 48 12/5/2019 pCi/l				064-53 depth : 40 12/5/2019 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	107	U	252	151	-9.01	U	375	211	-76.6	U	371	204	-63.1	U	385	211

Analyte	064-54 depth : 40 12/11/2019 pCi/l				064-55 depth : 33 11/22/2019 pCi/l				064-56 depth : 30 11/22/2019 pCi/l				064-80 depth : 30 11/22/2019 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-63.1	U	367	203	90.1	U	414	239	315	U	414	262	721		412	304

Analyte	064-95 depth : 32 4/19/2019 pCi/l				064-95 depth : 32 10/23/2019 pCi/l				065-120 depth : 30 12/12/2019 pCi/l				065-121 depth : 26 11/8/2019 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	81.5	U	307	180	102	U	363	212	-190	U	380	196	-66.7	U	405	215

Analyte	065-122 depth : 29 11/8/2019 pCi/l				065-123 depth : 26 11/9/2019 pCi/l				065-124 depth : 26 11/9/2019 pCi/l				065-125 depth : 26 11/9/2019 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	6230		399	813	155	U	260	160	236	U	247	163	165	U	258	160

Analyte	065-192 depth : 52 12/12/2019 pCi/l				065-193 depth : 55 11/8/2019 pCi/l				065-194 depth : 50 11/8/2019 pCi/l				065-321 depth : 32 11/8/2019 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-27	U	378	211	-154	U	400	203	95.5	U	253	150	156	U	252	157

Analyte	065-322 depth : 32 11/8/2019 pCi/l				065-323 depth : 30 11/8/2019 pCi/l				065-324 depth : 28 11/8/2019 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	1110		255	259	3260		251	459	389		255	184

**Motor Pool Area
Analytical Results**

2019 Groundwater Data: Volatile Organic Compounds
 Brookhaven National Laboratory
 Project: Motor Pool Area

Analyte	102-05 depth : 57 11/7/2019 ug/L		102-06 depth : 56 11/7/2019 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
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	0.45	J	1.4	
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	0.5	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
m-Dichlorobenzene	0.5	U	0.5	U
m/p xylene	1	U	1	U
Methyl bromide	0.5	U	0.5	U
Methyl chloride	0.5	U	0.29	J
Methyl tert-butyl ether	0.5	U	0.5	U
Methylene chloride	0.5	U	0.5	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)	3	U	3	U

**Major Petroleum Facility
Analytical Results**

2019 Groundwater Data: Volatile Organic Compounds

Brookhaven National Laboratory

Project: Major Petroleum Facility

Analyte	076-16 depth : 35 4/25/2019 ug/L		076-16 depth : 35 10/25/2019 ug/L		076-17 depth : 35 4/25/2019 ug/L		076-17 depth : 35 10/25/2019 ug/L	
1,1,1-Trichloroethane	5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane	5	U	5	U	5	U	5	U
1,1-Dichloroethane	5	U	5	U	5	U	5	U
1,1-Dichloroethylene	5	U	5	U	5	U	5	U
1,2-Dichloroethane	5	U	5	U	5	U	5	U
1,2-Dichloropropane	5	U	5	U	5	U	5	U
2-Hexanone	10	U	10	U	10	U	10	U
Acetone	10	U	10	U	10	U	10	U
Benzene	5	U	5	U	5	U	5	U
Bromodichloromethane	5	U	5	U	5	U	5	U
Bromoform	5	U	5	U	5	U	5	U
Carbon disulfide	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	U	5	U	5	U	5	U
Chlorobenzene	5	U	5	U	5	U	5	U
Chloroethane	10	U	10	U	10	U	10	U
Chloroform	5	U	5	U	5	U	5	U
cis-1,3-Dichloropropene	5	U	5	U	5	U	5	U
Dibromochloromethane	5	U	5	U	5	U	5	U
Ethene, 1,2-dichloro-, (E)-	5	U	5	U	5	U	5	U
Ethylbenzene	5	U	5	U	5	U	5	U
m-Dichlorobenzene	5	U	5	U	5	U	5	U
Methyl bromide	10	U	10	U	10	U	10	U
Methyl chloride	10	U	10	U	10	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	10	U	10	U	10	U	10	U
Methylene chloride	5	U	5	U	5	U	5	U
o-Dichlorobenzene	5	U	5	U	5	U	5	U
p-Dichlorobenzene	5	U	5	U	5	U	5	U
Tetrachloroethylene	5	U	5	U	5	U	5	U
Toluene	5	U	5	U	5	U	5	U
trans-1,3-Dichloropropene	5	U	5	U	5	U	5	U
Trichloroethylene	5	U	5	U	5	U	5	U
Trichlorofluoromethane	5	U	5	U	5	U	5	U
Vinyl acetate	10	U	10	U	10	U	10	U
Vinyl chloride	10	U	10	U	10	U	10	U

2019 Groundwater Data: Volatile Organic Compounds

Brookhaven National Laboratory

Project: Major Petroleum Facility

Analyte	076-18 depth : 30 4/25/2019 ug/L		076-18 depth : 30 10/25/2019 ug/L		076-19 depth : 30 4/25/2019 ug/L		076-19 depth : 30 10/25/2019 ug/L	
	1,1,1-Trichloroethane	5	U	5	U	5	U	5
1,1,2,2-Tetrachloroethane	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane	5	U	5	U	5	U	5	U
1,1-Dichloroethane	5	U	5	U	5	U	5	U
1,1-Dichloroethylene	5	U	5	U	5	U	5	U
1,2-Dichloroethane	5	U	5	U	5	U	5	U
1,2-Dichloropropane	5	U	5	U	5	U	5	U
2-Hexanone	10	U	10	U	10	U	10	U
Acetone	10	U	10	U	10	U	10	U
Benzene	5	U	5	U	5	U	5	U
Bromodichloromethane	5	U	5	U	5	U	5	U
Bromoform	5	U	5	U	5	U	5	U
Carbon disulfide	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	U	5	U	5	U	5	U
Chlorobenzene	5	U	5	U	5	U	5	U
Chloroethane	10	U	10	U	10	U	10	U
Chloroform	0.28	J	0.88	J	5	U	5	U
cis-1,3-Dichloropropene	5	U	5	U	5	U	5	U
Dibromochloromethane	5	U	5	U	5	U	5	U
Ethene, 1,2-dichloro-, (E)-	5	U	5	U	5	U	5	U
Ethylbenzene	5	U	5	U	5	U	5	U
m-Dichlorobenzene	5	U	5	U	5	U	5	U
Methyl bromide	10	U	10	U	10	U	10	U
Methyl chloride	10	U	10	U	10	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	10	U	10	U	10	U	10	U
Methylene chloride	5	U	5	U	5	U	5	U
o-Dichlorobenzene	5	U	5	U	5	U	5	U
p-Dichlorobenzene	5	U	5	U	5	U	5	U
Tetrachloroethylene	5	U	5	U	5	U	5	U
Toluene	5	U	5	U	5	U	5	U
trans-1,3-Dichloropropene	5	U	5	U	5	U	5	U
Trichloroethylene	5	U	5	U	5	U	5	U
Trichlorofluoromethane	5	U	5	U	5	U	5	U
Vinyl acetate	10	U	10	U	10	U	10	U
Vinyl chloride	10	U	10	U	10	U	10	U

2019 Groundwater Data: Volatile Organic Compounds

Brookhaven National Laboratory

Project: Major Petroleum Facility

Analyte	076-25 depth : 42 4/25/2019 ug/L		076-25 depth : 42 10/25/2019 ug/L		076-378 depth : 34 4/25/2019 ug/L		076-378 depth : 34 10/25/2019 ug/L	
1,1,1-Trichloroethane	5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane	5	U	5	U	5	U	5	U
1,1-Dichloroethane	5	U	5	U	5	U	5	U
1,1-Dichloroethylene	5	U	5	U	5	U	5	U
1,2-Dichloroethane	5	U	5	U	5	U	5	U
1,2-Dichloropropane	5	U	5	U	5	U	5	U
2-Hexanone	10	U	10	U	10	U	10	U
Acetone	10	U	10	U	10	U	10	U
Benzene	5	U	5	U	5	U	5	U
Bromodichloromethane	5	U	5	U	5	U	5	U
Bromoform	5	U	5	U	5	U	5	U
Carbon disulfide	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	U	5	U	5	U	5	U
Chlorobenzene	5	U	5	U	5	U	5	U
Chloroethane	10	U	10	U	10	U	10	U
Chloroform	0.55	J	1.4	J	5	U	5	U
cis-1,3-Dichloropropene	5	U	5	U	5	U	5	U
Dibromochloromethane	5	U	5	U	5	U	5	U
Ethene, 1,2-dichloro-, (E)-	5	U	5	U	5	U	5	U
Ethylbenzene	5	U	5	U	5	U	5	U
m-Dichlorobenzene	5	U	5	U	5	U	5	U
Methyl bromide	10	U	10	U	10	U	10	U
Methyl chloride	10	U	10	U	10	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	10	U	10	U	10	U	10	U
Methylene chloride	5	U	5	U	5	U	5	U
o-Dichlorobenzene	5	U	5	U	5	U	5	U
p-Dichlorobenzene	5	U	5	U	5	U	5	U
Tetrachloroethylene	0.89	J	3	J	5	U	5	U
Toluene	5	U	5	U	5	U	5	U
trans-1,3-Dichloropropene	5	U	5	U	5	U	5	U
Trichloroethylene	5	U	0.22	J	5	U	5	U
Trichlorofluoromethane	5	U	5	U	5	U	5	U
Vinyl acetate	10	U	10	U	10	U	10	U
Vinyl chloride	10	U	10	U	10	U	10	U

2019 Groundwater Data: Volatile Organic Compounds

Brookhaven National Laboratory

Project: Major Petroleum Facility

Analyte	076-379 depth : 36 4/25/2019 ug/L		076-379 depth : 36 10/25/2019 ug/L		076-380 depth : 34 4/25/2019 ug/L		076-380 depth : 34 10/25/2019 ug/L	
1,1,1-Trichloroethane	5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane	5	U	5	U	5	U	5	U
1,1-Dichloroethane	5	U	5	U	5	U	5	U
1,1-Dichloroethylene	5	U	5	U	5	U	5	U
1,2-Dichloroethane	5	U	5	U	5	U	5	U
1,2-Dichloropropane	5	U	5	U	5	U	5	U
2-Hexanone	10	U	10	U	10	U	10	U
Acetone	10	U	10	U	10	U	10	U
Benzene	5	U	5	U	5	U	5	U
Bromodichloromethane	5	U	5	U	5	U	5	U
Bromoform	5	U	5	U	5	U	5	U
Carbon disulfide	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	U	5	U	5	U	5	U
Chlorobenzene	5	U	5	U	5	U	5	U
Chloroethane	10	U	10	U	10	U	10	U
Chloroform	5	U	5	U	5	U	5	U
cis-1,3-Dichloropropene	5	U	5	U	5	U	5	U
Dibromochloromethane	5	U	5	U	5	U	5	U
Ethene, 1,2-dichloro-, (E)-	5	U	5	U	5	U	5	U
Ethylbenzene	5	U	5	U	5	U	5	U
m-Dichlorobenzene	5	U	5	U	5	U	5	U
Methyl bromide	10	U	10	U	10	U	10	U
Methyl chloride	10	U	10	U	10	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	10	U	10	U	10	U	10	U
Methylene chloride	5	U	5	U	5	U	5	U
o-Dichlorobenzene	5	U	5	U	5	U	5	U
p-Dichlorobenzene	5	U	5	U	5	U	5	U
Tetrachloroethylene	5	U	0.27	J	1.1	J	3.2	J
Toluene	5	U	5	U	5	U	5	U
trans-1,3-Dichloropropene	5	U	5	U	5	U	5	U
Trichloroethylene	5	U	5	U	5	U	5	U
Trichlorofluoromethane	5	U	5	U	5	U	5	U
Vinyl acetate	10	U	10	U	10	U	10	U
Vinyl chloride	10	U	10	U	10	U	10	U

2019 Groundwater Data: Semivolatile Organic Compounds
 Brookhaven National Laboratory
 Project: Major Petroleum Facility

Analyte	076-16 depth : 35 4/25/2019 ug/L		076-16 depth : 35 10/25/2019 ug/L		076-17 depth : 35 4/25/2019 ug/L		076-17 depth : 35 10/25/2019 ug/L	
1,2,4-Trichlorobenzene	10	U	9.9	U	10	U	9.8	U
2,4,6-Trichlorophenol	10	U	20	U	10	U	20	U
2,4-Dichlorophenol	10	U	9.9	U	10	U	9.8	U
2,4-Dimethylphenol	10	U	9.9	U	10	U	9.8	U
2,4-Dinitrophenol	50	U	60	U	50	U	59	U
2,4-Dinitrotoluene	10	U	9.9	U	10	U	9.8	U
2,6-Dinitrotoluene	10	U	9.9	U	10	U	9.8	U
2-Chloronaphthalene	10	U	9.9	U	10	U	9.8	U
2-Chlorophenol	10	U	9.9	U	10	U	9.8	U
3,3'-Dichlorobenzidine	50	U	50	U	50	U	49	U
4,6-Dinitro-o-cresol	50	U	60	U	50	U	59	U
4-Bromophenyl phenyl ether	10	U	9.9	U	10	U	9.8	U
4-Chlorophenyl phenyl ether	10	U	9.9	U	10	U	9.8	U
Acenaphthene	10	U	9.9	U	10	U	9.8	U
Acenaphthylene	10	U	9.9	U	10	U	9.8	U
Anthracene	10	U	9.9	U	10	U	9.8	U
Benzo(a)anthracene	10	U	9.9	U	10	U	9.8	U
Benzo(a)pyrene	10	U	9.9	U	10	U	9.8	U
Benzo(b)fluoranthene	10	U	9.9	U	10	U	9.8	U
Benzo(ghi)perylene	10	U	9.9	U	10	U	9.8	U
Benzo(k)fluoranthene	10	U	9.9	U	10	U	9.8	U
Bis(2-chloroethoxy)methane	10	U	9.9	U	10	U	9.8	U
Bis(2-chloroethyl)ether	10	U	9.9	U	10	U	9.8	U
Bis(2-ethylhexyl)phthalate	10	U	9.9	U	10	U	9.8	U
bis-chloroisopropyl ether	10	U	9.9	U	10	U	9.8	U
Butyl benzyl phthalate	10	U	9.9	U	10	U	9.8	U
Chrysene	10	U	9.9	U	10	U	9.8	U
Di-n-butyl phthalate	10	U	9.9	U	10	U	9.8	U
Di-n-octyl phthalate	10	U	9.9	U	10	U	9.8	U
Dibenzo(a,h)anthracene	10	U	9.9	U	10	U	9.8	U
Diethyl phthalate	10	U	9.9	U	10	U	9.8	U
Dimethyl phthalate	10	U	9.9	U	10	U	9.8	U
Fluoranthene	10	U	9.9	U	10	U	9.8	U
Fluorene	10	U	9.9	U	10	U	9.8	U
Hexachlorobenzene	10	U	9.9	U	10	U	9.8	U
Hexachlorobutadiene	10	U	9.9	U	10	U	9.8	U
Hexachlorocyclopentadiene	50	U	50	U	50	U	49	U
Hexachloroethane	2	U	9.9	U	2	U	9.8	U
Indeno(1,2,3-cd)pyrene	2	U	9.9	U	2	U	9.8	U
Isophorone	10	U	9.9	U	10	U	9.8	U
N-Nitrosodimethylamine	10	U	9.9	U	10	U	9.8	U
N-Nitrosodiphenylamine	10	U	9.9	U	10	U	9.8	U
N-Nitrosodipropylamine	10	U	9.9	U	10	U	9.8	U
Naphthalene	10	U	9.9	U	10	U	9.8	U
Nitrobenzene	10	U	9.9	U	10	U	9.8	U
o-Nitrophenol	10	U	20	U	10	U	20	U
p-Chloro-m-cresol	10	U	9.9	U	10	U	9.8	U
p-Nitrophenol	50	U	50	U	50	U	49	U
PCP	50	U	60	U	50	U	59	U
Phenanthrene	10	U	9.9	U	10	U	9.8	U
Phenol	10	U	9.9	U	10	U	9.8	U
Pyrene	10	U	9.9	U	10	U	9.8	U

2019 Groundwater Data: Semivolatile Organic Compounds
 Brookhaven National Laboratory
 Project: Major Petroleum Facility

Analyte	076-18 depth : 30 4/25/2019 ug/L		076-18 depth : 30 10/25/2019 ug/L		076-19 depth : 30 4/25/2019 ug/L		076-19 depth : 30 10/25/2019 ug/L	
1,2,4-Trichlorobenzene	10	U	10	U	10	U	9.6	U
2,4,6-Trichlorophenol	10	U	21	U	10	U	19	U
2,4-Dichlorophenol	10	U	10	U	10	U	9.6	U
2,4-Dimethylphenol	10	U	10	U	10	U	9.6	U
2,4-Dinitrophenol	50	U	63	U	50	U	58	U
2,4-Dinitrotoluene	10	U	10	U	10	U	9.6	U
2,6-Dinitrotoluene	10	U	10	U	10	U	9.6	U
2-Chloronaphthalene	10	U	10	U	10	U	9.6	U
2-Chlorophenol	10	U	10	U	10	U	9.6	U
3,3'-Dichlorobenzidine	50	U	52	U	50	U	48	U
4,6-Dinitro-o-cresol	50	U	63	U	50	U	58	U
4-Bromophenyl phenyl ether	10	U	10	U	10	U	9.6	U
4-Chlorophenyl phenyl ether	10	U	10	U	10	U	9.6	U
Acenaphthene	10	U	10	U	10	U	9.6	U
Acenaphthylene	10	U	10	U	10	U	9.6	U
Anthracene	10	U	10	U	10	U	9.6	U
Benzo(a)anthracene	10	U	10	U	10	U	9.6	U
Benzo(a)pyrene	10	U	10	U	10	U	9.6	U
Benzo(b)fluoranthene	10	U	10	U	10	U	9.6	U
Benzo(ghi)perylene	10	U	10	U	10	U	9.6	U
Benzo(k)fluoranthene	10	U	10	U	10	U	9.6	U
Bis(2-chloroethoxy)methane	10	U	10	U	10	U	9.6	U
Bis(2-chloroethyl)ether	10	U	10	U	10	U	9.6	U
Bis(2-ethylhexyl)phthalate	10	U	10	U	10	U	9.6	U
bis-chloroisopropyl ether	10	U	10	U	10	U	9.6	U
Butyl benzyl phthalate	10	U	10	U	10	U	9.6	U
Chrysene	10	U	10	U	10	U	9.6	U
Di-n-butyl phthalate	10	U	10	U	10	U	9.6	U
Di-n-octyl phthalate	10	U	10	U	10	U	9.6	U
Dibenzo(a,h)anthracene	10	U	10	U	10	U	9.6	U
Diethyl phthalate	10	U	10	U	10	U	9.6	U
Dimethyl phthalate	10	U	10	U	10	U	9.6	U
Fluoranthene	10	U	10	U	10	U	9.6	U
Fluorene	10	U	10	U	10	U	9.6	U
Hexachlorobenzene	10	U	10	U	10	U	9.6	U
Hexachlorobutadiene	10	U	10	U	10	U	9.6	U
Hexachlorocyclopentadiene	50	U	52	U	50	U	48	U
Hexachloroethane	2	U	10	U	2	U	9.6	U
Indeno(1,2,3-cd)pyrene	2	U	10	U	2	U	9.6	U
Isophorone	10	U	10	U	10	U	9.6	U
N-Nitrosodimethylamine	10	U	10	U	10	U	9.6	U
N-Nitrosodiphenylamine	10	U	10	U	10	U	9.6	U
N-Nitrosodipropylamine	10	U	10	U	10	U	9.6	U
Naphthalene	10	U	10	U	10	U	9.6	U
Nitrobenzene	10	U	10	U	10	U	9.6	U
o-Nitrophenol	10	U	21	U	10	U	19	U
p-Chloro-m-cresol	10	U	10	U	10	U	9.6	U
p-Nitrophenol	50	U	52	U	50	U	48	U
PCP	50	U	63	U	50	U	58	U
Phenanthrene	10	U	10	U	10	U	9.6	U
Phenol	10	U	10	U	10	U	9.6	U
Pyrene	10	U	10	U	10	U	9.6	U

2019 Groundwater Data: Semivolatile Organic Compounds
 Brookhaven National Laboratory
 Project: Major Petroleum Facility

Analyte	076-25 depth : 42 4/25/2019 ug/L		076-25 depth : 42 10/25/2019 ug/L		076-378 depth : 34 4/25/2019 ug/L		076-378 depth : 34 10/25/2019 ug/L	
1,2,4-Trichlorobenzene	10	U	9.8	U	10	U	10	U
2,4,6-Trichlorophenol	10	U	20	U	10	U	20	U
2,4-Dichlorophenol	10	U	9.8	U	10	U	10	U
2,4-Dimethylphenol	10	U	9.8	U	10	U	10	U
2,4-Dinitrophenol	50	U	59	U	50	U	60	U
2,4-Dinitrotoluene	10	U	9.8	U	10	U	10	U
2,6-Dinitrotoluene	10	U	9.8	U	10	U	10	U
2-Chloronaphthalene	10	U	9.8	U	10	U	10	U
2-Chlorophenol	10	U	9.8	U	10	U	10	U
3,3'-Dichlorobenzidine	50	U	49	U	50	U	50	U
4,6-Dinitro-o-cresol	50	U	59	U	50	U	60	U
4-Bromophenyl phenyl ether	10	U	9.8	U	10	U	10	U
4-Chlorophenyl phenyl ether	10	U	9.8	U	10	U	10	U
Acenaphthene	10	U	9.8	U	10	U	10	U
Acenaphthylene	10	U	9.8	U	10	U	10	U
Anthracene	10	U	9.8	U	10	U	10	U
Benzo(a)anthracene	10	U	9.8	U	10	U	10	U
Benzo(a)pyrene	10	U	9.8	U	10	U	10	U
Benzo(b)fluoranthene	10	U	9.8	U	10	U	10	U
Benzo(ghi)perylene	10	U	9.8	U	10	U	10	U
Benzo(k)fluoranthene	10	U	9.8	U	10	U	10	U
Bis(2-chloroethoxy)methane	10	U	9.8	U	10	U	10	U
Bis(2-chloroethyl)ether	10	U	9.8	U	10	U	10	U
Bis(2-ethylhexyl)phthalate	10	U	9.8	U	10	U	10	U
bis-chloroisopropyl ether	10	U	9.8	U	10	U	10	U
Butyl benzyl phthalate	10	U	9.8	U	10	U	10	U
Chrysene	10	U	9.8	U	10	U	10	U
Di-n-butyl phthalate	10	U	9.8	U	10	U	10	U
Di-n-octyl phthalate	10	U	9.8	U	10	U	10	U
Dibenzo(a,h)anthracene	10	U	9.8	U	10	U	10	U
Diethyl phthalate	10	U	9.8	U	10	U	10	U
Dimethyl phthalate	10	U	9.8	U	10	U	10	U
Fluoranthene	10	U	9.8	U	10	U	10	U
Fluorene	10	U	9.8	U	10	U	10	U
Hexachlorobenzene	10	U	9.8	U	10	U	10	U
Hexachlorobutadiene	10	U	9.8	U	10	U	10	U
Hexachlorocyclopentadiene	50	U	49	U	50	U	50	U
Hexachloroethane	2	U	9.8	U	2	U	10	U
Indeno(1,2,3-cd)pyrene	2	U	9.8	U	2	U	10	U
Isophorone	10	U	9.8	U	10	U	10	U
N-Nitrosodimethylamine	10	U	9.8	U	10	U	10	U
N-Nitrosodiphenylamine	10	U	9.8	U	10	U	10	U
N-Nitrosodipropylamine	10	U	9.8	U	10	U	10	U
Naphthalene	10	U	9.8	U	10	U	10	U
Nitrobenzene	10	U	9.8	U	10	U	10	U
o-Nitrophenol	10	U	20	U	10	U	20	U
p-Chloro-m-cresol	10	U	9.8	U	10	U	10	U
p-Nitrophenol	50	U	49	U	50	U	50	U
PCP	50	U	59	U	50	U	60	U
Phenanthrene	10	U	9.8	U	10	U	10	U
Phenol	10	U	9.8	U	10	U	10	U
Pyrene	10	U	9.8	U	10	U	10	U

2019 Groundwater Data: Semivolatile Organic Compounds
 Brookhaven National Laboratory
 Project: Major Petroleum Facility

Analyte	076-379 depth : 36 4/25/2019 ug/L		076-379 depth : 36 10/25/2019 ug/L		076-380 depth : 34 4/25/2019 ug/L		076-380 depth : 34 10/25/2019 ug/L	
1,2,4-Trichlorobenzene	10	U	10	U	10	U	9.9	U
2,4,6-Trichlorophenol	10	U	20	U	10	U	20	U
2,4-Dichlorophenol	10	U	10	U	10	U	9.9	U
2,4-Dimethylphenol	10	U	10	U	10	U	9.9	U
2,4-Dinitrophenol	50	U	60	U	50	U	59	U
2,4-Dinitrotoluene	10	U	10	U	10	U	9.9	U
2,6-Dinitrotoluene	10	U	10	U	10	U	9.9	U
2-Chloronaphthalene	10	U	10	U	10	U	9.9	U
2-Chlorophenol	10	U	10	U	10	U	9.9	U
3,3'-Dichlorobenzidine	50	U	50	U	50	U	49	U
4,6-Dinitro-o-cresol	50	U	60	U	50	U	59	U
4-Bromophenyl phenyl ether	10	U	10	U	10	U	9.9	U
4-Chlorophenyl phenyl ether	10	U	10	U	10	U	9.9	U
Acenaphthene	10	U	10	U	10	U	9.9	U
Acenaphthylene	10	U	10	U	10	U	9.9	U
Anthracene	10	U	10	U	10	U	9.9	U
Benzo(a)anthracene	10	U	10	U	10	U	9.9	U
Benzo(a)pyrene	10	U	10	U	10	U	9.9	U
Benzo(b)fluoranthene	10	U	10	U	10	U	9.9	U
Benzo(ghi)perylene	10	U	10	U	10	U	9.9	U
Benzo(k)fluoranthene	10	U	10	U	10	U	9.9	U
Bis(2-chloroethoxy)methane	10	U	10	U	10	U	9.9	U
Bis(2-chloroethyl)ether	10	U	10	U	10	U	9.9	U
Bis(2-ethylhexyl)phthalate	10	U	10	U	10	U	9.9	U
bis-chloroisopropyl ether	10	U	10	U	10	U	9.9	U
Butyl benzyl phthalate	10	U	10	U	10	U	9.9	U
Chrysene	10	U	10	U	10	U	9.9	U
Di-n-butyl phthalate	10	U	10	U	10	U	9.9	U
Di-n-octyl phthalate	10	U	10	U	10	U	9.9	U
Dibenzo(a,h)anthracene	10	U	10	U	10	U	9.9	U
Diethyl phthalate	10	U	10	U	10	U	9.9	U
Dimethyl phthalate	10	U	10	U	10	U	9.9	U
Fluoranthene	10	U	10	U	10	U	9.9	U
Fluorene	10	U	10	U	10	U	9.9	U
Hexachlorobenzene	10	U	10	U	10	U	9.9	U
Hexachlorobutadiene	10	U	10	U	10	U	9.9	U
Hexachlorocyclopentadiene	50	U	50	U	50	U	49	U
Hexachloroethane	2	U	10	U	2	U	9.9	U
Indeno(1,2,3-cd)pyrene	2	U	10	U	2	U	9.9	U
Isophorone	10	U	10	U	10	U	9.9	U
N-Nitrosodimethylamine	10	U	10	U	10	U	9.9	U
N-Nitrosodiphenylamine	10	U	10	U	10	U	9.9	U
N-Nitrosodipropylamine	10	U	10	U	10	U	9.9	U
Naphthalene	10	U	10	U	10	U	9.9	U
Nitrobenzene	10	U	10	U	10	U	9.9	U
o-Nitrophenol	10	U	20	U	10	U	20	U
p-Chloro-m-cresol	10	U	10	U	10	U	9.9	U
p-Nitrophenol	50	U	50	U	50	U	49	U
PCP	50	U	60	U	50	U	59	U
Phenanthrene	10	U	10	U	10	U	9.9	U
Phenol	10	U	10	U	10	U	9.9	U
Pyrene	10	U	10	U	10	U	9.9	U

**RHIC Facility
Analytical Results**

Analyte	025-03 depth : 46 8/15/2019 pCi/l				025-04 depth : 46 8/15/2019 pCi/l				025-05 depth : 12 8/16/2019 pCi/l				025-06 depth : 12 8/16/2019 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	96.9	U	429	247	35.8	U	392	222	281	U	410	248	-71	U	418	230

Analyte	025-07 depth : 13 8/16/2019 pCi/l				025-08 depth : 12 8/16/2019 pCi/l				034-05 depth : 42 8/15/2019 pCi/l				034-06 depth : 42 8/15/2019 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-58.8	U	397	219	58.5	U	414	236	-98.6	U	437	239	253	U	427	256

Analyte	043-01 depth : 41 8/15/2019 pCi/l				043-02 depth : 64 8/15/2019 pCi/l				044-13 depth : 38 8/15/2019 pCi/l				044-14 depth : 59 8/15/2019 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	22.8	U	385	218	62.3	U	428	244	-74	U	385	211	9.65	U	417	234

Service Station
Analytical Results

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

Analyte	039-115 depth : 18 10/8/2019 ug/L		039-87 depth : 18 10/8/2019 ug/L		039-88 depth : 24 10/8/2019 ug/L		039-89 depth : 22 10/8/2019 ug/L		048-08 depth : 18 10/8/2019 ug/L		048-09 depth : 18 10/8/2019 ug/L		048-10 depth : 18 10/8/2019 ug/L	
Aluminum	68	U	156	B	68	U	68	U	68	U	190	B	170	B
Antimony	1	U	1	U	1	U	1	U	1	U	1	U	7.62	
Arsenic	2.43	B	2	U	2	U	2	U	2	U	2	U	2	U
Barium	18.8	B	16.6	B	55.5	B	70.7	B	11.5	B	54.7	B	56.4	B
Beryllium	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Cadmium	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Calcium	22600		7010		15700		10400		4730	B	3570	B	4950	B
Chromium	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Cobalt	2.68	B	1	U	1.93	B	2.3	B	1	U	1	U	1.42	B
Copper	8.35		2.28		4.86		2.5		0.3	U	1.49	B	0.3	U
Iron	33.3	B	39.3	B	30	U	45	B	62.4	B	30	U	30	U
Lead	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Magnesium	7120		1200		6490		3520		1090		1820		3260	
Manganese	3.7	B	17.9		2.84	B	4.27	B	65.5		40.1		53.4	
Mercury	0.067	U	0.068	B	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	5700		639	B	4450	B	3030	B	455	B	655	B	1690	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	54500		2190	B	59800		59600		18900		20000		33300	
Thallium	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Vanadium	6.58	B	1	U	1	U	1	U	1	U	1	U	1	U
Zinc	5.86	B	24.5		6.16	B	5.03	B	5.39	B	5.84	B	4.54	B

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Waste Management Facility
Analytical Results

Analyte	055-03 depth : 50 2/27/2019 ug/L		055-03 depth : 50 8/22/2019 ug/L		055-10 depth : 94 2/27/2019 ug/L		055-10 depth : 94 8/22/2019 ug/L		056-21 depth : 51 2/27/2019 ug/L		056-21 depth : 51 8/22/2019 ug/L		056-22 depth : 51 2/27/2019 ug/L		056-22 depth : 51 8/22/2019 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-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	1.7		2.75		0.5	U	0.21	J	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	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
DBCP	0.5	U	1	U	0.5	U	1	U	0.5	U	1	U	0.5	U	1	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
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	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	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
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
Xylene (total)	3	U			3	U			3	U			3	U		

Analyte	066-220 depth : 46 2/27/2019 ug/L		066-220 depth : 46 8/22/2019 ug/L		066-221 depth : 47 2/27/2019 ug/L		066-221 depth : 47 8/22/2019 ug/L		066-222 depth : 48 2/27/2019 ug/L		066-222 depth : 48 8/22/2019 ug/L		066-223 depth : 48 2/27/2019 ug/L		066-223 depth : 48 8/22/2019 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-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	0.5	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	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	1	U	0.5	U	1	U	0.5	U	1	U	0.5	U	1	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
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	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	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
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
Xylene (total)	3	U			3	U			3	U			3	U		

Analyte	055-03 depth : 50 8/22/2019 ug/L		055-10 depth : 94 8/22/2019 ug/L		056-21 depth : 51 8/22/2019 ug/L		056-22 depth : 51 8/22/2019 ug/L		066-220 depth : 46 8/22/2019 ug/L		066-221 depth : 47 8/22/2019 ug/L		066-222 depth : 48 8/22/2019 ug/L		066-223 depth : 48 8/22/2019 ug/L	
Aluminum	68	U	68	U	68	U	68	U	68	U	68	U	68	U	68	U
Antimony	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Arsenic	2.85	B	2	U	2.05	B	2	U	2	U	2	U	2	U	2	U
Barium	5.62	B	25.3	B	13.8	B	44.5	B	24.9	B	28.3	B	51.5	B	20.4	B
Beryllium	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Cadmium	1	U	1	U	1.28	B	1	U	1.53	B	1.05	B	1	U	1.31	B
Calcium	3340	B	6630		5380		12400		8070		11900		13700		10700	
Chromium	1	U	3.39	B	1	U	1	U	1	U	1	U	1	U	1	U
Cobalt	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Copper	0.3	U	0.416	B	6.47		0.3	U	0.3	U	0.3	U	0.364	B	0.356	B
Iron	30	U	47.6	B	30	U	30	U	30	U	30	U	30	U	30	U
Lead	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Magnesium	994		2340		1490		4130		1130		1310		2740		3000	
Manganese	1	U	1.32	B	2.71	B	3.02	B	1.48	B	2.51	B	1.09	B	1.29	B
Mercury	0.067	U	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	4.95	B	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
Potassium	319	B	1120	B	644	B	1770	B	685	B	1080	B	2060	B	1110	B
Selenium	2	U	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	0.3	U
Sodium	16700	E	32500	E	11900	E	35500	E	41300	E	46800	E	47600	E	11100	E
Thallium	0.826	B	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Vanadium	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Zinc	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U

Analyte	055-03 depth : 50 8/22/2019 ug/L		055-10 depth : 94 8/22/2019 ug/L		056-21 depth : 51 8/22/2019 ug/L		056-22 depth : 51 8/22/2019 ug/L		066-220 depth : 46 8/22/2019 ug/L		066-221 depth : 47 8/22/2019 ug/L		066-222 depth : 48 8/22/2019 ug/L		066-223 depth : 48 8/22/2019 ug/L	
	Nitrite + Nitrate-N	0.168		0.375		0.426		1.31		1.57		1.49		1.91		1.37
Sulfate	6.32		15.4		9.06		14.1		19.1		24.3		21.1		6.31	

Analyte	055-03 depth : 50 2/27/2019 pCi/l				055-03 depth : 50 8/22/2019 pCi/l				055-10 depth : 94 2/27/2019 pCi/l				055-10 depth : 94 8/22/2019 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241	3.98	U DL	25.2	15	-11.4	U	15.9	9.5	0.237	U	20.9	12.5	-0.163	U	3.13	1.91
Beryllium-7	-9.93	U DL	76.5	62.3	4.24	U	20.4	11.2	-4.1	U	60	49.5	-3.15	U	15.5	8.86
Cesium-134	-0.853	U DL	18	1.95	1.16	U	2.62	1.32	-3.78	U DL	12.4	7.42	-0.329	U	2.06	1.21
Cesium-137	-2.34	U	11.5	9.74	0.0892	U	2.31	1.31	-4.66	U	10	8.83	-0.375	U	1.98	1.15
Co-60	-4.67	U	13.1	13.7	-0.083	U	2.59	1.43	0.295	U	9.51	8.43	0.252	U	2.33	1.24
Cobalt-57	0.0374	U DL	8.61	5.04	0.0852	U	1.9	1.11	1.49	U DL	6	3.59	-0.281	U	1.29	0.831
Europium-152	35.9	U DL	93.9	36.1	-3.56	U	6.09	4.39	-49.2	U DL	136	58.4	0.292	U	5.33	2.92
Europium-154	-55.1	U DL	110	99.5	-0.864	U	6.46	3.61	-26.7	U DL	69.5	51.8	1.39	U	6.5	3.37
Europium-155	-10.7	U	36	21.6	1.76	U	8.09	5	-8.93	U	29.2	17.6	-0.405	U	5.21	3.65
Gross Alpha	0.417	U	1.72	0.957	0.573	U	1.99	1.08	-0.112	U	1.43	0.722	0.455	U	1.98	1.05
Gross Beta	0.0553	U	0.993	0.563	-7E-04	U	1.41	0.757	0.45	U	0.846	0.517	0.61	U	1.22	0.728
Manganese-54	-3.16	U DL	13.3	10.2	-0.455	U	2.11	1.17	2.5	U DL	10.8	6.4	-1.68	U	2	1.5
Sodium-22	-2.42	U DL	13.5	7.65	-0.269	U	2.29	1.28	2.2	U	6.89	4.03	0.71	U	2.29	1.16
Strontium-90																
Tritium	-117	U	437	232	93.6	U	328	181	-85.6	U	442	237	-2.87	U	369	183
Zinc-65	8.64	U DL	29	17	-7.34	U	4.55	8.74	-12.1	U DL	34.4	20.7	-0.261	U	4.02	2.48

Analyte	056-21 depth : 51 2/27/2019 pCi/l				056-21 depth : 51 8/22/2019 pCi/l				056-22 depth : 51 2/27/2019 pCi/l				056-22 depth : 51 8/22/2019 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241	-11	U	21.3	6.78	5.26	U	10.7	6.34	2.37	U	10.7	6.59	1.28	U	16.6	10.3
Beryllium-7	21.3	U	47.7	40.1	2.61	U	16.3	8.84	-17.3	U	58.4	48.9	10.4	U	20	10.7
Cesium-134	0.644	U DL	10.8	1.27	1.3	U	2.23	1.38	5.84	U DL	13.4	10.4	0.266	U	2.38	1.26
Cesium-137	-3.37	U	10	8.76	-1.2	U	1.8	1.49	3.58	U	7.43	6.48	0.0195	U	2.3	1.24
Co-60	1.6	U	6.8	5.73	0.0433	U	2.15	1.29	2.69	U	7.83	6.9	0.556	U	2.63	1.4
Cobalt-57	1.94	U DL	6.42	3.85	0.102	U	1.64	0.961	-0.697	U DL	5.55	3.28	-0.447	U	1.83	1.11
Europium-152	18.7	U	76.6	29.5	-0.567	U	5.53	3.22	2.39	U DL	108	4.53	1.36	U	6.72	3.72
Europium-154	28.5	U DL	60.1	21.8	-1.2	U	5.58	3.09	-40.2	U DL	75.1	63.7	0.212	U	6.56	3.58
Europium-155	-9.55	U	31.7	19.1	1.19	U	6.9	3.99	8.26	U	27.8	16.7	4.59	U	8.31	7.63
Gross Alpha	0.36	U	1.29	0.724	1.06	U	1.93	1.18	-0.357	U	1.63	0.732	0.451	U	1.94	1.02
Gross Beta	2.56		0.878	0.757	1.92	J	1.62	1.08	1.75		0.907	0.683	2.25	J	1.31	0.93
Manganese-54	-0.734	U DL	7.5	6.57	-0.436	U	1.86	1.09	3.12	U DL	7.58	4.56	-1.12	U	2.04	1.21
Sodium-22	-3.46	U DL	9.39	5.6	-0.319	U	1.98	1.08	-4.4	U DL	9.39	5.71	-0.14	U	2.29	1.28
Strontium-90	0.435		0.217	0.164	0.0615	U	0.764	0.421	0.41		0.234	0.17				
Tritium	-81.1	U	433	234	-124	U	394	168	-94.6	U	433	233	-103	U	399	175
Zinc-65	6.34	U DL	22.3	13.2	1.45	U	4.54	2.54	0	U DL	28.5	8.13	-1.16	U	4.7	2.72

Analyte	066-220 depth : 46 2/27/2019 pCi/l				066-220 depth : 46 8/22/2019 pCi/l				066-221 depth : 47 2/27/2019 pCi/l				066-221 depth : 47 8/22/2019 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241	-0.849	U	16	11.2	-11.9	U	14.2	11.8	4.79	U DL	28.2	16.8	1.22	U	7.81	4.37
Beryllium-7	7.68	U DL	61.4	48.6	4.07	U	16.7	8.96	-18.3	U DL	92.3	76.6	-0.824	U	12.8	7.03
Cesium-134	-1.77	U DL	11.9	4.71	-0.511	U	1.8	1.06	2.06	U DL	19.4	2.24	1.55	U	1.9	0.902
Cesium-137	-5.06	U	10.2	8.29	-0.256	U	1.85	1.05	3.77	U	8.43	7.17	-0.26	U	1.57	0.891
Co-60	6.96		5.79	5.36	1.71	J-UI	1.54	3.13	-6.22	U	16.1	14.8	-1.29	U	1.6	1.06
Cobalt-57	0.34	U DL	6.58	3.87	0.477	U	1.71	0.972	0	U DL	8.48	3.55	-0.116	U	1.34	0.783
Europium-152	-30.5	U DL	107	63.4	-0.856	U	5.44	3.02	15.5	U DL	148	9.05	-0.17	U	4.44	2.42
Europium-154	10.2	U DL	62.2	16.8	-1.12	U	5.15	2.84	-32.4	U DL	98.2	86.9	1.34	U	4.96	2.44
Europium-155	-9.02	U	34	19.4	2.53	U	7.09	3.98	0.668	U	39.3	1.62	0.0488	U	5.49	3.17
Gross Alpha	0.197	U	1.71	0.888	-0.005	U	1.93	0.852	0.496	U	1.39	0.806	-0.282	U	1.93	0.757
Gross Beta	1.76		0.994	0.743	0.458	U	1.28	0.741	0.345	U	0.787	0.479	1.8	J	1.32	0.897
Manganese-54	1.76	U DL	7.43	4.37	0.108	U	1.69	0.934	3.7	U DL	12	7.16	-0.262	U	1.59	1.26
Sodium-22	-2.7	U DL	9.41	5.5	-0.341	U	1.81	0.99	3.69	U DL	7.51	4.65	0.435	U	1.73	0.853
Strontium-90	0.574		0.208	0.174	-0.214	U	0.781	0.406	0.36		0.256	0.175	0.334	U	0.621	0.37
Tritium	-180	U	425	221	-45.8	U	368	172	-162	U	427	223	20.3	U	366	186
Zinc-65	-1.47	U DL	26.8	15.3	0.411	U	3.91	2.28	-16.2	U DL	43.9	26.3	0.356	U	3.59	2.59

Analyte	066-222 depth : 48 2/27/2019 pCi/l				066-222 depth : 48 8/22/2019 pCi/l				066-223 depth : 48 2/27/2019 pCi/l				066-223 depth : 48 8/22/2019 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Americium-241	2.6	U	11.2	6.89	0.0669	U	10.2	5.89	-1.7	U	17.4	12.2	-2.12	U	10.5	7.74
Beryllium-7	8.2	U	49.6	40.8	-3.21	U	16.1	13.6	-25.8	U DL	63.2	51.2	-4.19	U	15.4	8.82
Cesium-134	-0.54	U DL	15	1.1	-0.982	U	1.86	1.28	6.07	U DL	13.9	4.94	0.427	U	1.87	1.02
Cesium-137	-1.65	U	9.24	7.97	0.461	U	1.87	1.01	0.469	U	7.51	6	0.491	U	1.79	0.961
Co-60	2.12	U	7.83	5.11	-1.45	U	1.74	1.53	-0.47	U	10.2	8.73	0.65	U	1.65	2.01
Cobalt-57	0.622	U DL	6.19	3.66	-0.14	U	1.61	0.955	0	U DL	7.31	1.2	-0.402	U	1.48	0.877
Europium-152	0.879	U DL	99.3	1.58	-0.635	U	4.99	2.77	-36.1	U DL	121	72.4	0.757	U	4.92	2.64
Europium-154	8.21	U	48.7	23.3	4.32	U	4.77	4.94	11.6	U DL	66	19.1	-1.06	U	4.87	2.72
Europium-155	3.2	U	27.3	16.2	1.81	U	6.74	3.89	6.25	U	31.7	19	5.81	U	6.49	5.41
Gross Alpha	0.322	U	1.55	0.843	0.268	U	1.9	0.938	-0.069	U	1.37	0.659	-0.571	U	1.93	0.692
Gross Beta	0.919		0.844	0.573	2.21	J	1.97	1.26	1.56		0.895	0.66	1.02	U	1.49	0.91
Manganese-54	3.37	U DL	9.15	5.48	-0.693	U	1.55	0.93	-1.68	U DL	8.72	5.54	-0.798	U	1.52	1.08
Sodium-22	1.57	U	6.89	3.93	1.52	U	1.54	1.74	-0.117	U DL	8.52	4.61	-0.435	U	1.69	0.95
Strontium-90	0.272	N2	0.222	0.15	0.193	U	0.44	0.26	0.452		0.246	0.179	0.274	U	0.403	0.243
Tritium	-58.6	U	438	238	59.7	U	368	195	-211	U	428	220	-97.1	U	388	171
Zinc-65	0	U DL	25.7	2.71	1.03	U	3.54	2.09	-9.77	U DL	30.7	18.3	0.0993	U	3.68	2.22

NSLS II
Analytical Results

2019 Groundwater Data: Volatile Organic Compounds
 Brookhaven National Laboratory
 Project: NSLS II

Analyte	076-18 depth : 30 4/25/2019 ug/L		076-18 depth : 30 10/25/2019 ug/L		076-19 depth : 30 4/25/2019 ug/L		076-19 depth : 30 10/25/2019 ug/L	
	1,1,1-Trichloroethane	5	U	5	U	5	U	5
1,1,2,2-Tetrachloroethane	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane	5	U	5	U	5	U	5	U
1,1-Dichloroethane	5	U	5	U	5	U	5	U
1,1-Dichloroethylene	5	U	5	U	5	U	5	U
1,2-Dichloroethane	5	U	5	U	5	U	5	U
1,2-Dichloropropane	5	U	5	U	5	U	5	U
2-Hexanone	10	U	10	U	10	U	10	U
Acetone	10	U	10	U	10	U	10	U
Benzene	5	U	5	U	5	U	5	U
Bromodichloromethane	5	U	5	U	5	U	5	U
Bromoform	5	U	5	U	5	U	5	U
Carbon disulfide	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	U	5	U	5	U	5	U
Chlorobenzene	5	U	5	U	5	U	5	U
Chloroethane	10	U	10	U	10	U	10	U
Chloroform	0.28	J	0.88	J	5	U	5	U
cis-1,3-Dichloropropene	5	U	5	U	5	U	5	U
Dibromochloromethane	5	U	5	U	5	U	5	U
Ethene, 1,2-dichloro-, (E)-	5	U	5	U	5	U	5	U
Ethylbenzene	5	U	5	U	5	U	5	U
m-Dichlorobenzene	5	U	5	U	5	U	5	U
Methyl bromide	10	U	10	U	10	U	10	U
Methyl chloride	10	U	10	U	10	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	10	U	10	U	10	U	10	U
Methylene chloride	5	U	5	U	5	U	5	U
o-Dichlorobenzene	5	U	5	U	5	U	5	U
p-Dichlorobenzene	5	U	5	U	5	U	5	U
Tetrachloroethylene	5	U	5	U	5	U	5	U
Toluene	5	U	5	U	5	U	5	U
trans-1,3-Dichloropropene	5	U	5	U	5	U	5	U
Trichloroethylene	5	U	5	U	5	U	5	U
Trichlorofluoromethane	5	U	5	U	5	U	5	U
Vinyl acetate	10	U	10	U	10	U	10	U
Vinyl chloride	10	U	10	U	10	U	10	U

2019 Groundwater Data: Semivolatile Organic Compounds
 Brookhaven National Laboratory
 Project: NSLS II

Analyte	076-18 depth : 30 4/25/2019 ug/L		076-18 depth : 30 10/25/2019 ug/L		076-19 depth : 30 4/25/2019 ug/L		076-19 depth : 30 10/25/2019 ug/L	
1,2,4-Trichlorobenzene	10	U	10	U	10	U	9.6	U
2,4,6-Trichlorophenol	10	U	21	U	10	U	19	U
2,4-Dichlorophenol	10	U	10	U	10	U	9.6	U
2,4-Dimethylphenol	10	U	10	U	10	U	9.6	U
2,4-Dinitrophenol	50	U	63	U	50	U	58	U
2,4-Dinitrotoluene	10	U	10	U	10	U	9.6	U
2,6-Dinitrotoluene	10	U	10	U	10	U	9.6	U
2-Chloronaphthalene	10	U	10	U	10	U	9.6	U
2-Chlorophenol	10	U	10	U	10	U	9.6	U
3,3'-Dichlorobenzidine	50	U	52	U	50	U	48	U
4,6-Dinitro-o-cresol	50	U	63	U	50	U	58	U
4-Bromophenyl phenyl ether	10	U	10	U	10	U	9.6	U
4-Chlorophenyl phenyl ether	10	U	10	U	10	U	9.6	U
Acenaphthene	10	U	10	U	10	U	9.6	U
Acenaphthylene	10	U	10	U	10	U	9.6	U
Anthracene	10	U	10	U	10	U	9.6	U
Benzo(a)anthracene	10	U	10	U	10	U	9.6	U
Benzo(a)pyrene	10	U	10	U	10	U	9.6	U
Benzo(b)fluoranthene	10	U	10	U	10	U	9.6	U
Benzo(ghi)perylene	10	U	10	U	10	U	9.6	U
Benzo(k)fluoranthene	10	U	10	U	10	U	9.6	U
Bis(2-chloroethoxy)methane	10	U	10	U	10	U	9.6	U
Bis(2-chloroethyl)ether	10	U	10	U	10	U	9.6	U
Bis(2-ethylhexyl)phthalate	10	U	10	U	10	U	9.6	U
bis-chloroisopropyl ether	10	U	10	U	10	U	9.6	U
Butyl benzyl phthalate	10	U	10	U	10	U	9.6	U
Chrysene	10	U	10	U	10	U	9.6	U
Di-n-butyl phthalate	10	U	10	U	10	U	9.6	U
Di-n-octyl phthalate	10	U	10	U	10	U	9.6	U
Dibenzo(a,h)anthracene	10	U	10	U	10	U	9.6	U
Diethyl phthalate	10	U	10	U	10	U	9.6	U
Dimethyl phthalate	10	U	10	U	10	U	9.6	U
Fluoranthene	10	U	10	U	10	U	9.6	U
Fluorene	10	U	10	U	10	U	9.6	U
Hexachlorobenzene	10	U	10	U	10	U	9.6	U
Hexachlorobutadiene	10	U	10	U	10	U	9.6	U
Hexachlorocyclopentadiene	50	U	52	U	50	U	48	U
Hexachloroethane	2	U	10	U	2	U	9.6	U
Indeno(1,2,3-cd)pyrene	2	U	10	U	2	U	9.6	U
Isophorone	10	U	10	U	10	U	9.6	U
N-Nitrosodimethylamine	10	U	10	U	10	U	9.6	U
N-Nitrosodiphenylamine	10	U	10	U	10	U	9.6	U
N-Nitrosodipropylamine	10	U	10	U	10	U	9.6	U
Naphthalene	10	U	10	U	10	U	9.6	U
Nitrobenzene	10	U	10	U	10	U	9.6	U
o-Nitrophenol	10	U	21	U	10	U	19	U
p-Chloro-m-cresol	10	U	10	U	10	U	9.6	U
p-Nitrophenol	50	U	52	U	50	U	48	U
PCP	50	U	63	U	50	U	58	U
Phenanthrene	10	U	10	U	10	U	9.6	U
Phenol	10	U	10	U	10	U	9.6	U
Pyrene	10	U	10	U	10	U	9.6	U

Analyte	076-18 depth : 30 10/25/2019 pCi/l				076-19 depth : 30 10/25/2019 pCi/l				086-123 depth : 34 12/18/2019 pCi/l				086-124 depth : 47 12/18/2019 pCi/l				086-125 depth : 37 12/18/2019 pCi/l				086-126 depth : 36 12/18/2019 pCi/l			
	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error	Result	Qual	MDA	Error
Tritium	-83.8	U	349	187	135	U	361	215	165	U	425	249	77.9	U	409	234	-102	U	416	226	-75.8	U	426	233