

# HW-61

## EPA Validated Data Summary Report

### Dimock Residential Sampling

Sample Date: 3/6/2012

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW61	Anionic Surfactants	0.01 U mg/L					
HW61z	Anionic Surfactants	0.01 U mg/L					
HW61	Heterotrophic Plate Count	60.00 J cfu/1mL					
HW61z	Heterotrophic Plate Count	60.00 J cfu/1mL					
HW61	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW61z	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW61	Ethane	1.20 U ug/L					
HW61z	Ethane	1.20 U ug/L					
HW61	Ethene	1.10 U ug/L					
HW61z	Ethene	1.10 U ug/L					
HW61	Methane	1.20 U ug/L	28,000.00 ug/L				
HW61z	Methane	1.20 U ug/L	28,000.00 ug/L				
HW61	2-Butoxyethanol	25.00 U ug/L					
HW61z	2-Butoxyethanol	25.00 U ug/L					
HW61	2-Methoxyethanol	10.00 U ug/L	78.00 ug/L				
HW61z	2-Methoxyethanol	10.00 U ug/L	78.00 ug/L				
HW61	Diethylene Glycol	50.00 U ug/L	8,000.00 ug/L				
HW61z	Diethylene Glycol	50.00 U ug/L	8,000.00 ug/L				
HW61	Ethylene glycol	2,000.00 U ug/L	31,000.00 ug/L				
HW61z	Ethylene glycol	2,000.00 U ug/L	31,000.00 ug/L				
HW61	Propylene glycol	2,000.00 U ug/L					
HW61z	Propylene glycol	2,000.00 U ug/L					
HW61	Tetraethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW61z	Tetraethylene glycol	25.00 U ug/L	8,000.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW61	Triethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW61z	Triethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW61	Bromide	0.50 U mg/L					
HW61z	Bromide	0.50 U mg/L					
HW61	Chloride	56.70 mg/L			250.00 mg/L		250.00 mg/L
HW61z	Chloride	59.40 mg/L			250.00 mg/L		250.00 mg/L
HW61	Fluoride	0.10 U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW61z	Fluoride	0.10 U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW61	Sulfate	12.80 mg/L			250.00 mg/L		250.00 mg/L
HW61z	Sulfate	12.30 mg/L			250.00 mg/L		250.00 mg/L
HW61	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW61z	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW61	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW61z	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW61	Arsenic	1.00 U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW61z	Arsenic	1.00 U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW61	Barium	68.40 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW61z	Barium	75.10 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW61	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW61z	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW61	Boron	50.00 U ug/L	3,100.00 ug/L				
HW61z	Boron	50.00 U ug/L	3,100.00 ug/L				
HW61	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW61z	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW61	Calcium	31,900.00 ug/L					
HW61z	Calcium	33,000.00 ug/L					
HW61	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW61z	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW61	Cobalt	1.00 U ug/L	4.70 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW61z	Cobalt	1.00 U ug/L	4.70 ug/L				
HW61	Copper	20.50 ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW61z	Copper	22.40 ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW61	Iron	100.00 U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW61z	Iron	100.00 U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW61	Lead	2.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW61z	Lead	2.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW61	Lithium	25.00 U ug/L	31.00 ug/L				
HW61z	Lithium	25.00 U ug/L	31.00 ug/L				
HW61	Magnesium	7,040.00 ug/L					
HW61z	Magnesium	7,200.00 ug/L					
HW61	Manganese	1.00 U ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW61z	Manganese	1.00 U ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW61	Nickel	1.00 ug/L	300.00 ug/L				
HW61z	Nickel	1.20 ug/L	300.00 ug/L				
HW61	Potassium	2,000.00 U ug/L					
HW61z	Potassium	2,000.00 U ug/L					
HW61	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW61z	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW61	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW61z	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW61	Sodium	16,100.00 ug/L	20,000.00 ug/L				
HW61z	Sodium	16,400.00 ug/L	20,000.00 ug/L				
HW61	Strontium	200.00 U ug/L	9,300.00 ug/L				
HW61z	Strontium	200.00 U ug/L	9,300.00 ug/L				
HW61	Thallium	1.00 U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW61z	Thallium	1.00 U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW61	Tin	200.00 UJ ug/L	9,300.00 ug/L				
HW61z	Tin	200.00 UJ ug/L	9,300.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW61	Titanium	200.00 U ug/L					
HW61z	Titanium	200.00 U ug/L					
HW61	Uranium	1.00 U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW61z	Uranium	1.00 U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW61	Vanadium	5.00 U ug/L	78.00 ug/L				
HW61z	Vanadium	5.00 U ug/L	78.00 ug/L				
HW61	Zinc	15.50 ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW61z	Zinc	16.90 ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW61	Total Dissolved Solids	201.00 mg/L			500.00 mg/L		500.00 mg/L
HW61z	Total Dissolved Solids	211.00 mg/L			500.00 mg/L		500.00 mg/L
HW61	Total Suspended Solids	10.00 U mg/L					
HW61z	Total Suspended Solids	10.00 U mg/L					
HW61	1-Methylnaphthalene	5.00 U ug/L	97.00 ug/L				
HW61z	1-Methylnaphthalene	4.76 U ug/L	97.00 ug/L				
HW61	Acenaphthene	5.00 U ug/L	400.00 ug/L				
HW61z	Acenaphthene	4.76 U ug/L	400.00 ug/L				
HW61	Acenaphthylene	5.00 U ug/L					
HW61z	Acenaphthylene	4.76 U ug/L					
HW61	Acetophenone	5.00 U ug/L	1,500.00 ug/L				
HW61z	Acetophenone	4.76 U ug/L	1,500.00 ug/L				
HW61	Anthracene	5.00 U ug/L	1,300.00 ug/L				
HW61z	Anthracene	0.07 J ug/L	1,300.00 ug/L				
HW61	Atrazine	5.00 U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW61z	Atrazine	0.06 J ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW61	Benzo(a)anthracene	5.00 U ug/L	2.90 ug/L				
HW61z	Benzo(a)anthracene	4.76 U ug/L	2.90 ug/L				
HW61	Benzo(a)pyrene	5.00 U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW61z	Benzo(a)pyrene	4.76 U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW61	Biphenyl	5.00 U ug/L					

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW61z	Biphenyl	4.76 U ug/L					
HW61	Bromophenyl-4 Phenyl Ether	5.00 U ug/L					
HW61z	Bromophenyl-4 Phenyl Ether	0.05 J ug/L					
HW61	Butylbenzyl phthalate	5.00 U ug/L	1,400.00 ug/L				
HW61z	Butylbenzyl phthalate	5.00 U ug/L	1,400.00 ug/L				
HW61	Caprolactam	5.00 U ug/L	7,700.00 ug/L				
HW61z	Caprolactam	4.76 U ug/L	7,700.00 ug/L				
HW61	Carbazole	5.00 U ug/L					
HW61z	Carbazole	0.07 J ug/L					
HW61	Chlorobenzeneamine-4	5.00 U ug/L	3.20 ug/L				
HW61z	Chlorobenzeneamine-4	4.76 U ug/L	3.20 ug/L				
HW61	Chloronaphthalene-2	5.00 U ug/L	550.00 ug/L				
HW61z	Chloronaphthalene-2	4.76 U ug/L	550.00 ug/L				
HW61	Chlorophenol-2	5.00 U ug/L	71.00 ug/L				
HW61z	Chlorophenol-2	4.76 U ug/L	71.00 ug/L				
HW61	Chlorophenyl-4 phenyl ether	5.00 U ug/L					
HW61z	Chlorophenyl-4 phenyl ether	4.76 U ug/L					
HW61	Chrysene	5.00 U ug/L	290.00 ug/L				
HW61z	Chrysene	4.76 U ug/L	290.00 ug/L				
HW61	Cresol, parachloro meta-	5.00 U ug/L					
HW61z	Cresol, parachloro meta-	4.76 U ug/L					
HW61	Cresol-4,6-dinitro-ortho	10.00 UJ ug/L					
HW61z	Cresol-4,6-dinitro-ortho	9.52 UJ ug/L					
HW61	Cresol-o	5.00 U ug/L	720.00 ug/L				
HW61z	Cresol-o	4.76 U ug/L	720.00 ug/L				
HW61	Cresol-p	5.00 U ug/L	72.00 ug/L				
HW61z	Cresol-p	4.76 U ug/L	72.00 ug/L				
HW61	Dibenz(a,h)anthracene	5.00 U ug/L	0.29 ug/L				
HW61z	Dibenz(a,h)anthracene	4.76 U ug/L	0.29 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW61	Dibenzofuran	5.00 U ug/L					
HW61z	Dibenzofuran	0.02 J ug/L					
HW61	Dichlorobenzidine-3,3'	5.00 U ug/L	11.00 ug/L				
HW61z	Dichlorobenzidine-3,3'	4.76 U ug/L	11.00 ug/L				
HW61	Dichlorophenol-2,4	5.00 U ug/L	35.00 ug/L				
HW61z	Dichlorophenol-2,4	4.76 U ug/L	35.00 ug/L				
HW61	Dimethylphenol, 2,4-	5.00 U ug/L	270.00 ug/L				
HW61z	Dimethylphenol, 2,4-	4.76 U ug/L	270.00 ug/L				
HW61	Dinitrophenol-2,4	40.00 UJ ug/L	30.00 ug/L				
HW61z	Dinitrophenol-2,4	38.10 UJ ug/L	30.00 ug/L				
HW61	Dinitrotoluene-2,4	5.00 U ug/L					
HW61z	Dinitrotoluene-2,4	4.76 U ug/L					
HW61	Dinitrotoluene-2,6	5.00 U ug/L					
HW61z	Dinitrotoluene-2,6	4.76 U ug/L					
HW61	Ether, bis(2-chloroethyl)	5.00 U ug/L	1.20 ug/L				
HW61z	Ether, bis(2-chloroethyl)	4.76 U ug/L	1.20 ug/L				
HW61	Ether-bis(2-chloroisopropyl)	5.00 U ug/L					
HW61z	Ether-bis(2-chloroisopropyl)	4.76 U ug/L					
HW61	Fluoranthene	5.00 U ug/L	630.00 ug/L				
HW61z	Fluoranthene	0.08 J ug/L	630.00 ug/L				
HW61	Fluoranthene benzo(k)	5.00 UJ ug/L	29.00 ug/L				
HW61z	Fluoranthene benzo(k)	4.76 UJ ug/L	29.00 ug/L				
HW61	Fluoranthene-benzo(b)	5.00 U ug/L	5.60 ug/L				
HW61z	Fluoranthene-benzo(b)	4.76 U ug/L	5.60 ug/L				
HW61	Fluorene	5.00 U ug/L	220.00 ug/L				
HW61z	Fluorene	0.04 J ug/L	220.00 ug/L				
HW61	Hexachlorobenzene	5.00 U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW61z	Hexachlorobenzene	0.05 J ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW61	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW61	Hexachlorobutadiene	5.00 U ug/L	26.00 ug/L				
HW61z	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW61z	Hexachlorobutadiene	4.76 U ug/L	26.00 ug/L				
HW61	Hexachlorocyclopentadiene	5.00 U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW61z	Hexachlorocyclopentadiene	4.76 U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW61	Hexachloroethane	5.00 U ug/L	5.10 ug/L				
HW61z	Hexachloroethane	4.76 U ug/L	5.10 ug/L				
HW61	Isophorone	5.00 U ug/L	6,700.00 ug/L				
HW61z	Isophorone	4.76 U ug/L	6,700.00 ug/L				
HW61	Methane, bis(2-chloroethoxy)	5.00 U ug/L	47.00 ug/L				
HW61z	Methane, bis(2-chloroethoxy)	4.76 U ug/L	47.00 ug/L				
HW61	Methylnaphthalene-2	5.00 U ug/L	27.00 ug/L				
HW61z	Methylnaphthalene-2	4.76 U ug/L	27.00 ug/L				
HW61	Naphthalene	0.50 U ug/L	14.00 ug/L				
HW61	Naphthalene	5.00 U ug/L	14.00 ug/L				
HW61z	Naphthalene	0.50 U ug/L	14.00 ug/L				
HW61z	Naphthalene	4.76 U ug/L	14.00 ug/L				
HW61	Nitroaniline, ortho	5.00 U ug/L	150.00 ug/L				
HW61z	Nitroaniline, ortho	4.76 U ug/L	150.00 ug/L				
HW61	Nitroaniline-3	5.00 U ug/L					
HW61z	Nitroaniline-3	4.76 U ug/L					
HW61	Nitrobenzenamine-4	5.00 U ug/L	61.00 ug/L				
HW61z	Nitrobenzenamine-4	4.76 U ug/L	61.00 ug/L				
HW61	Nitrobenzene	5.00 U ug/L	12.00 ug/L				
HW61z	Nitrobenzene	4.76 U ug/L	12.00 ug/L				
HW61	Nitrophenol-2	5.00 U ug/L					
HW61z	Nitrophenol-2	4.76 U ug/L					
HW61	Nitrophenol-4	10.00 U ug/L					
HW61z	Nitrophenol-4	9.52 U ug/L					

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW61	Nitrosodimethylamine-n	5.00 U ug/L	0.04 ug/L				
HW61z	Nitrosodimethylamine-n	4.76 U ug/L	0.04 ug/L				
HW61	Nitrosodiphenylamine-n	5.00 U ug/L	1,000.00 ug/L				
HW61z	Nitrosodiphenylamine-n	0.06 J ug/L	1,000.00 ug/L				
HW61	Pentachlorophenol	5.00 U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW61z	Pentachlorophenol	4.76 U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW61	Perylene-benzo(ghi)	5.00 U ug/L					
HW61z	Perylene-benzo(ghi)	4.76 U ug/L					
HW61	Phenanthrene	5.00 U ug/L					
HW61z	Phenanthrene	0.07 J ug/L					
HW61	Phenol	5.00 U ug/L	4,500.00 ug/L				
HW61z	Phenol	4.76 U ug/L	4,500.00 ug/L				
HW61	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW61z	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW61	Phthalate, Dimethyl	5.00 U ug/L	1,400.00 ug/L				
HW61z	Phthalate, Dimethyl	0.04 J ug/L	1,400.00 ug/L				
HW61	Phthalate, di-n-butyl-	5.00 U ug/L	670.00 ug/L				
HW61z	Phthalate, di-n-butyl-	5.00 U ug/L	670.00 ug/L				
HW61	Phthalate, di-n-octyl	5.00 U ug/L					
HW61z	Phthalate, di-n-octyl	4.76 U ug/L					
HW61	Phthalate-diethyl	0.03 J ug/L	11,000.00 ug/L				
HW61z	Phthalate-diethyl	0.07 J ug/L	11,000.00 ug/L				
HW61	Propylamine,n-nitroso di-n-	5.00 U ug/L	0.93 ug/L				
HW61z	Propylamine,n-nitroso di-n-	4.76 U ug/L	0.93 ug/L				
HW61	Pyrene	5.00 U ug/L	87.00 ug/L				
HW61z	Pyrene	0.07 J ug/L	87.00 ug/L				
HW61	Pyrene-indeno(1,2,3-cd)	5.00 U ug/L	3.00 ug/L				
HW61z	Pyrene-indeno(1,2,3-cd)	4.76 U ug/L	3.00 ug/L				
HW61	Tetrachlorobenzene, 1,2,4,5-	5.00 U ug/L	1.20 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW61z	Tetrachlorobenzene, 1,2,4,5-	4.76 U ug/L	1.20 ug/L				
HW61	Tetrachlorophenol, 2,3,4,6-	5.00 U ug/L	170.00 ug/L				
HW61z	Tetrachlorophenol, 2,3,4,6-	4.76 U ug/L	170.00 ug/L				
HW61	Trichlorophenol-2,4,5	5.00 U ug/L	890.00 ug/L				
HW61z	Trichlorophenol-2,4,5	4.76 U ug/L	890.00 ug/L				
HW61	Trichlorophenol-2,4,6	5.00 U ug/L	9.04 ug/L				
HW61z	Trichlorophenol-2,4,6	4.76 U ug/L	9.04 ug/L				
HW61	TPH - Gasoline Range Organics	50.00 U ug/L					
HW61z	TPH - Gasoline Range Organics	50.00 U ug/L					
HW61	1,2-Dibromo-3-chloropropane (DBCP)	0.50 U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW61z	1,2-Dibromo-3-chloropropane (DBCP)	0.50 U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW61	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				
HW61z	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				
HW61	Acetone	2.00 U ug/L					
HW61z	Acetone	2.00 U ug/L					
HW61	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW61z	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW61	Bromobenzene	0.50 U ug/L					
HW61z	Bromobenzene	0.50 U ug/L					
HW61	Bromoform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW61z	Bromoform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW61	Butylbenzene	0.50 U ug/L					
HW61z	Butylbenzene	0.50 U ug/L					
HW61	Butylbenzene, sec-	0.50 U ug/L					
HW61z	Butylbenzene, sec-	0.50 U ug/L					
HW61	Butylbenzene, tert-	0.50 U ug/L					
HW61z	Butylbenzene, tert-	0.50 U ug/L					
HW61	Carbon disulfide	0.50 U ug/L					
HW61z	Carbon disulfide	0.50 U ug/L					

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW61	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW61z	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW61	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW61z	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW61	Chlorobromomethane	0.50 U ug/L					
HW61z	Chlorobromomethane	0.50 U ug/L					
HW61	Chloroethane	0.50 U ug/L					
HW61z	Chloroethane	0.50 U ug/L					
HW61	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW61z	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW61	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW61z	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW61	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW61z	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW61	Cyclohexane	0.50 U ug/L					
HW61z	Cyclohexane	0.50 U ug/L					
HW61	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW61z	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW61	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW61z	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW61	Dibromomethane	0.50 U ug/L					
HW61z	Dibromomethane	0.50 U ug/L					
HW61	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW61z	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW61	Dichlorobenzene-1,3	0.50 U ug/L					
HW61z	Dichlorobenzene-1,3	0.50 U ug/L					
HW61	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW61z	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW61	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW61z	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW61	Dichlorodifluoromethane	0.50 U ug/L					
HW61z	Dichlorodifluoromethane	0.50 U ug/L					
HW61	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW61z	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW61	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW61z	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW61	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW61z	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW61	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW61z	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW61	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW61z	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW61	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW61z	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW61	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW61z	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW61	Dichloropropane, 2,2-	0.50 U ug/L					
HW61z	Dichloropropane, 2,2-	0.50 U ug/L					
HW61	Dichloropropene, 1,1-	0.50 U ug/L					
HW61z	Dichloropropene, 1,1-	0.50 U ug/L					
HW61	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW61z	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW61	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW61z	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW61	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW61z	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW61	Freon 113	0.50 U ug/L					
HW61z	Freon 113	0.50 U ug/L					

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW61	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW61z	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW61	Isopropylbenzene	0.50 U ug/L					
HW61z	Isopropylbenzene	0.50 U ug/L					
HW61	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW61z	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW61	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW61z	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW61	Methyl acetate	0.50 U ug/L					
HW61z	Methyl acetate	0.50 U ug/L					
HW61	Methyl bromide	0.50 U ug/L					
HW61z	Methyl bromide	0.50 U ug/L					
HW61	Methyl chloride	0.50 U ug/L					
HW61z	Methyl chloride	0.50 U ug/L					
HW61	Methyl cyclohexane	0.50 U ug/L					
HW61z	Methyl cyclohexane	0.50 U ug/L					
HW61	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW61z	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW61	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW61z	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW61	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW61z	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW61	Propylbenzene-n	0.50 U ug/L					
HW61z	Propylbenzene-n	0.50 U ug/L					
HW61	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW61z	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW61	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW61z	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW61	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW61z	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW61	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW61z	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW61	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW61z	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW61	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW61z	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW61	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW61z	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW61	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW61z	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW61	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW61z	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW61	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW61z	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW61	Trichlorofluoromethane	0.50 U ug/L					
HW61z	Trichlorofluoromethane	0.50 U ug/L					
HW61	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW61z	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW61	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW61z	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW61	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW61z	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW61	Vinyl acetate	0.50 U ug/L					
HW61z	Vinyl acetate	0.50 U ug/L					
HW61	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW61z	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW61	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW61z	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW61	Nitrogen, Nitrite + Nitrate	1.60 mg/L		10.00 mg/L		10.00 mg/L	
HW61z	Nitrogen, Nitrite + Nitrate	1.60 mg/L		10.00 mg/L		10.00 mg/L	
HW61	Total Nitrogen	1.19 mg/L					
HW61z	Total Nitrogen	1.25 mg/L					

Sample Number – Code that is used to identify the particular sample. See additional information below:

HW## – Identifies the sample location and indicates that it was collected at well head or closest point to the well head.

F – Indicates that the sample was filtered following collection. The purpose of filtering the sample is to remove any particulates in order to find what metals are actually dissolved in the water sample.

Z – Identifies a duplicate sample. Duplicate samples are collected for every ten samples collected to test the reproducibility of sampling and analytical procedures.

P – Indicates that the sample was collected at the kitchen tap. In some cases this may be following any treatment that the residence may have.

A/B – Designates which residence the sample was collected for sample locations with multiple residences using the same water source (may be a well or a spring).

RO – Indicated that the sample was collected from a residence containing a reverse osmosis treatment system.

N – Designates that the sample was collected from the new well for locations with multiple wells.

Analyte – General term for a substance in the sample. The lab does testing to find specific analytes, or substance in the water sample. The report lists each analyte that the lab tested for and what amounts were found.

TPH - Total Petroleum Hydrocarbons

Result and Units – identifies the actual result for the particular analyte and the measurement used for the particular type of sample. The results may include the following units for the various water sample analyses:

µg /L – Micrograms per liter (abbreviated as µg /L) measurements of the mass of the substance per liter of water. This measurement is commonly known as parts per billion or ppb. Drinking water results are usually reported in µg /L.

mg/L – Milligrams per liter (abbreviated as mg/L) measurements of the mass of the substance per liter of water. This measurement is commonly known as parts per million or ppm.

cfu/100 mL – Total Coliform Bacteria results are reported as colony forming units (cfu) per milliliters of water. Coliform bacteria is not a health threat in itself; it is used to indicate whether other potentially harmful bacteria may be present.

cfu/1mL – Heterotrophic Plate Count Bacteria (HPC) are reported as colony forming units (cfu) per milliliter of water. HPC has no health effects; it is an analytic method used to measure the variety of bacteria that are common in water. The lower the concentration of bacteria in drinking water, the better maintained the water system is.

Absent or Present – Fecal Coliform Bacteria are reported as either being Absent or Present. Fecal Coliform Bacteria are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Disease-causing microbes (pathogens) in these wastes can cause diarrhea, cramps, nausea, headaches,

Trigger Level – established for this project, the trigger levels are based on risk-based screening levels and/or standards for public water supplies. A yellow highlighted result represents an analytical result greater than the established trigger level. Results exceeding a trigger level are referred to an EPA toxicologist for further review.

EPA Primary MCLs – the primary maximum contaminant levels (MCLs) are legally enforceable standards established under the Safe Drinking Water Act to protect public health by limiting the levels of contaminants in public drinking water systems. The MCL is the amount of an analyte (substance) that can be present in a water sample that the government considers acceptable to drink. EPA considers the MCLs when evaluating results from residential drinking water wells.

EPA Secondary MCLs - secondary MCLs are non-enforceable standards regulating contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. EPA recommends secondary standards to public water systems, but does not require systems to comply. However, states may choose to adopt them as enforceable standards.

DEP MCLs (Primary and Secondary) – Chapter 109, Pennsylvania Safe Drinking Water Regulations, defines MCL as the maximum permissible level of a contaminant in water which is delivered to a user of a public water system, and includes the primary and secondary MCLs established under the Federal Safe Drinking Water Act, and MCLs adopted under the act.

\* No more than 5.0% samples total coliform-positive in a month. (For water systems that collect fewer than 40 routine samples per month, no more than one sample can be total coliform-positive per month.) Every sample that has total coliform must be analyzed for either fecal coliforms or E. coli if two consecutive TC-positive samples, and one is also positive for E.coli fecal coliforms, system has an acute MCL violation.

\*\* EPA has not established an MCL for lead or copper. Lead and copper are regulated by a Treatment Technique that requires public drinking water systems to control the corrosiveness of their water. If more than 10% of tap water samples exceed the action level, water system must take additional steps. For lead, the action level is 15 ug/L, and for copper is 1,300 ug/L.

\*\*\* The DEP Primary MCLs for lead (5 ug/L) and copper (1,000 ug/L) are applicable only to bottled, vended, retail and bulk water hauling systems, otherwise the DEP uses the federal action levels for lead (15 ug/L), and for copper (1,300 ug/L).

Validation Result Qualifiers - EPA performs a quality check on the lab results. After this quality check, EPA may mark the measurement of certain analytes with a qualifier to give additional information about the measurement. This information can apply to 1) how certain EPA is that the lab detected the analyte and 2) how certain EPA is of the measurement of the analyte once detected. If there is no qualifier by the result, the detection and measurement of the analyte are certain

U – Indicates that the analyte was not detected. If there is a number next to the U, this number is the amount of analyte that would have to be present to be detected by the lab given the particular method and/or instrumentation.

J – This means that the analyte was detected, but the value of the result is an estimate.

UJ - The U before the J means that the analyte was not detected in the sample, but this result may be inaccurate. Some analyte may be present.

R – Indicates that the data has been rejected. For glycol analyses, data with detected concentrations above the Method Detection Limit (MDL) and less than the Reporting Limit (RL) were rejected due to the laboratory not using a second column and/or gas chromatography with mass spectrometry to confirm the identity of the compound listed. For Heterotrophic Plate Count analysis, data were rejected if the laboratory did not run a method blank (i.e. sterility control) for each series of samples plated to determine whether the test samples could have been contaminated during analysis. For semivolatiles organic compound analysis, non-detect data have been rejected due to low recoveries of required method quality control checks.

MDL – Is the minimum concentration of a substance that can be measured and reported with 99-percent confidence that the concentration of the substance is greater than zero.

RL – Is the lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions, typically set at the lowest standard in the calibration curve