HW-20
EPA Validated Data Summary Report
Dimock Residential Sampling
Sample Date: 1/30/2012

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW20	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW20-P	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW20	1-Propanol	10,000.00	U	ug/L						
HW20-P	1-Propanol	10,000.00	U	ug/L						
HW20	2-Butanol	10,000.00	U	ug/L						
HW20-P	2-Butanol	10,000.00	U	ug/L						
HW20	Ethanol	10,000.00	U	ug/L						
HW20-P	Ethanol	10,000.00	U	ug/L						
HW20	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW20-P	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW20	Anionic Surfactants	0.01	U	mg/L						
HW20-P	Anionic Surfactants	0.01	U	mg/L						
HW20	Heterotrophic Plate Count	67.00	J	cfu/1mL						
HW20-P	Heterotrophic Plate Count	57.00	J	cfu/1mL						
HW20	Total Coliform Bacteria	1.00	UJ	cfu/100mL	0.00	cfu/100mL	5.00 %*			
HW20-P	Total Coliform Bacteria	1.00	UJ	cfu/100mL	0.00	cfu/100mL	5.00 %*			
HW20	Ethane	1.20	U	ug/L						
HW20-P	Ethane	1.20	U	ug/L						
HW20	Ethene	1.10	U	ug/L						
HW20-P	Ethene	1.10	U	ug/L						
HW20	Methane	9.50	U	ug/L	28,000.00	ug/L				
HW20-P	Methane	9.50	U	ug/L	28,000.00	ug/L				
HW20	2-Butoxyethanol	5.00	U	ug/L						
HW20-P	2-Butoxyethanol	5.00	U	ug/L						

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW20	2-Methoxyethanol	60.00 U ug/L		78.00 ug/L				
HW20	2-Methoxyethanol	10.00 U ug/L		78.00 ug/L				
HW20-P	2-Methoxyethanol	10.00 U ug/L		78.00 ug/L				
HW20-P	2-Methoxyethanol	60.00 U ug/L		78.00 ug/L				
HW20	Diethylene glycol	R ug/L		8,000.00 ug/L				
HW20	Diethylene Glycol	50.00 U ug/L		8,000.00 ug/L				
HW20-P	Diethylene glycol	R ug/L		8,000.00 ug/L				
HW20-P	Diethylene Glycol	50.00 U ug/L		8,000.00 ug/L				
HW20	Ethanol, 2-ethoxy-	10,000.00 U ug/L						
HW20-P	Ethanol, 2-ethoxy-	10,000.00 U ug/L						
HW20	Ethanol, 2-methoxy-	10,000.00 U ug/L		78.00 ug/L				
HW20-P	Ethanol, 2-methoxy-	10,000.00 U ug/L		78.00 ug/L				
HW20	Ethylene glycol	10,000.00 U ug/L		31,000.00 ug/L				
HW20	Ethylene glycol	10,000.00 U ug/L		31,000.00 ug/L				
HW20-P	Ethylene glycol	10,000.00 U ug/L		31,000.00 ug/L				
HW20-P	Ethylene glycol	10,000.00 U ug/L		31,000.00 ug/L				
HW20	Tetraethylene glycol	25.00 U ug/L		8,000.00 ug/L				
HW20-P	Tetraethylene glycol	25.00 U ug/L		8,000.00 ug/L				
HW20	Triethylene glycol	10,000.00 U ug/L		8,000.00 ug/L				
HW20	Triethylene glycol	25.00 U ug/L		8,000.00 ug/L				
HW20-P	Triethylene glycol	25.00 U ug/L		8,000.00 ug/L				
HW20-P	Triethylene glycol	10,000.00 U ug/L		8,000.00 ug/L				
HW20	Bromide	0.50 U mg/L						
HW20-P	Bromide	0.50 U mg/L						
HW20	Chloride	3.41 mg/L				250.00 mg/L		250.00 mg/L
HW20-P	Chloride	3.10 mg/L				250.00 mg/L		250.00 mg/L
HW20	Fluoride	0.11 mg/L		0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW20-P	Fluoride	0.12 mg/L		0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW20	Sulfate	5.73 mg/L				250.00 mg/L		250.00 mg/L

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW20-P	Sulfate	5.39	mg/L			250.00 mg/L		250.00 mg/L
HW20	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW20-F	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW20-P	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW20-PF	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW20	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW20-F	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW20-P	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW20-PF	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW20	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW20-F	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW20-P	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW20-PF	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW20	Arsenic	2.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW20-F	Arsenic	2.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW20-P	Arsenic	2.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW20-PF	Arsenic	2.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW20	Barium	32.80	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW20-F	Barium	33.20	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW20-P	Barium	32.90	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW20-PF	Barium	32.70	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW20	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW20-F	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW20-P	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW20-PF	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW20	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW20-F	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW20-P	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW20-PF	Boron	50.00 U	ug/L	3,100.00 ug/L				

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW20	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW20-F	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW20-P	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW20-PF	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW20	Calcium	22,400.00	ug/L					
HW20-F	Calcium	23,300.00	ug/L					
HW20-P	Calcium	22,100.00	ug/L					
HW20-PF	Calcium	22,200.00	ug/L					
HW20	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW20-F	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW20-P	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW20-PF	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW20	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW20-F	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW20-P	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW20-PF	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW20	Copper	4.50	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW20-F	Copper	2.10	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW20-P	Copper	3.90	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW20-PF	Copper	4.10	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW20	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW20-F	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW20-P	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW20-PF	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW20	Lead	2.40	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW20-F	Lead	1.40	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW20-P	Lead	1.00 U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW20-PF	Lead	1.00 U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW20	Lithium	200.00 U	ug/L	31.00 ug/L				

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW20-F	Lithium	200.00 U	ug/L	31.00 ug/L				
HW20-P	Lithium	200.00 U	ug/L	31.00 ug/L				
HW20-PF	Lithium	200.00 U	ug/L	31.00 ug/L				
HW20	Magnesium	5,710.00	ug/L					
HW20-F	Magnesium	5,890.00	ug/L					
HW20-P	Magnesium	5,570.00	ug/L					
HW20-PF	Magnesium	5,590.00	ug/L					
HW20	Manganese	2.60	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW20-F	Manganese	2.00	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW20-P	Manganese	2.30	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW20-PF	Manganese	2.00	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW20	Nickel	1.00 U	ug/L	300.00 ug/L				
HW20-F	Nickel	1.00 U	ug/L	300.00 ug/L				
HW20-P	Nickel	1.00 U	ug/L	300.00 ug/L				
HW20-PF	Nickel	1.00	ug/L	300.00 ug/L				
HW20	Potassium	2,000.00 U	ug/L					
HW20-F	Potassium	2,000.00 U	ug/L					
HW20-P	Potassium	2,000.00 U	ug/L					
HW20-PF	Potassium	2,000.00 U	ug/L					
HW20	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW20-F	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW20-P	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW20-PF	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW20	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW20-F	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW20-P	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW20-PF	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW20	Sodium	6,210.00	ug/L	20,000.00 ug/L				
HW20-F	Sodium	6,350.00	ug/L	20,000.00 ug/L				

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW20-P	Sodium	6,040.00	ug/L	20,000.00 ug/L				
HW20-PF	Sodium	6,050.00	ug/L	20,000.00 ug/L				
HW20	Strontium	200.00 U	ug/L	9,300.00 ug/L				
HW20-F	Strontium	200.00 U	ug/L	9,300.00 ug/L				
HW20-P	Strontium	200.00 U	ug/L	9,300.00 ug/L				
HW20-PF	Strontium	200.00 U	ug/L	9,300.00 ug/L				
HW20	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW20-F	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW20-P	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW20-PF	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW20	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW20-F	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW20-P	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW20-PF	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW20	Titanium	200.00 U	ug/L					
HW20-F	Titanium	200.00 U	ug/L					
HW20-P	Titanium	200.00 U	ug/L					
HW20-PF	Titanium	200.00 U	ug/L					
HW20	Uranium	1.00 U	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW20-F	Uranium	1.00 U	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW20-P	Uranium	1.00 U	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW20-PF	Uranium	1.00 U	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW20	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW20-F	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW20-P	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW20-PF	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW20	Zinc	12.70	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW20-F	Zinc	9.20	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW20-P	Zinc	15.80	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW20-PF	Zinc	15.80	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW20	Oil and Grease	5.20 U	mg/L					
HW20-P	Oil and Grease	5.10 U	mg/L					
HW20	Total Dissolved Solids	48.00 J	mg/L			500.00 mg/L		500.00 mg/L
HW20-P	Total Dissolved Solids	109.00 J	mg/L			500.00 mg/L		500.00 mg/L
HW20	Total Suspended Solids	10.00 U	mg/L					
HW20-P	Total Suspended Solids	10.00 U	mg/L					
HW20	1-Methylnaphthalene	5.00 U	ug/L	97.00 ug/L				
HW20-P	1-Methylnaphthalene	5.00 U	ug/L	97.00 ug/L				
HW20	Acenaphthene	5.00 U	ug/L	400.00 ug/L				
HW20-P	Acenaphthene	5.00 U	ug/L	400.00 ug/L				
HW20	Acenaphthylene	5.00 U	ug/L					
HW20-P	Acenaphthylene	5.00 U	ug/L					
HW20	Acetophenone	5.00 U	ug/L	1,500.00 ug/L				
HW20-P	Acetophenone	5.00 U	ug/L	1,500.00 ug/L				
HW20	Anthracene	5.00 U	ug/L	1,300.00 ug/L				
HW20-P	Anthracene	5.00 U	ug/L	1,300.00 ug/L				
HW20	Atrazine	5.00 U	ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW20-P	Atrazine	5.00 U	ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW20	Benzo(a)anthracene	5.00 U	ug/L	2.90 ug/L				
HW20-P	Benzo(a)anthracene	5.00 U	ug/L	2.90 ug/L				
HW20	Benzo(a)pyrene	5.00 U	ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW20-P	Benzo(a)pyrene	5.00 U	ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW20	Biphenyl	5.00 U	ug/L					
HW20-P	Biphenyl	5.00 U	ug/L					
HW20	Bromophenyl-4 Phenyl Ether	5.00 U	ug/L					
HW20-P	Bromophenyl-4 Phenyl Ether	5.00 U	ug/L					
HW20	Butylbenzyl phthalate	5.00 U	ug/L	1,400.00 ug/L				
HW20-P	Butylbenzyl phthalate	5.00 U	ug/L	1,400.00 ug/L				

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW20	Caprolactam	5.00 U	ug/L	7,700.00 ug/L				
HW20-P	Caprolactam	5.00 U	ug/L	7,700.00 ug/L				
HW20	Carbazole	5.00 U	ug/L					
HW20-P	Carbazole	5.00 U	ug/L					
HW20	Chlorobenzenamine-4	5.00 U	ug/L	3.20 ug/L				
HW20-P	Chlorobenzenamine-4	5.00 U	ug/L	3.20 ug/L				
HW20	Chloronaphthalene-2	5.00 U	ug/L	550.00 ug/L				
HW20-P	Chloronaphthalene-2	5.00 U	ug/L	550.00 ug/L				
HW20	Chlorophenol-2	5.00 U	ug/L	71.00 ug/L				
HW20-P	Chlorophenol-2	5.00 U	ug/L	71.00 ug/L				
HW20	Chlorophenyl-4 phenyl ether	5.00 U	ug/L					
HW20-P	Chlorophenyl-4 phenyl ether	5.00 U	ug/L					
HW20	Chrysene	5.00 U	ug/L	290.00 ug/L				
HW20-P	Chrysene	5.00 U	ug/L	290.00 ug/L				
HW20	Cresol, parachloro meta-	5.00 U	ug/L					
HW20-P	Cresol, parachloro meta-	5.00 U	ug/L					
HW20	Cresol-4,6-dinitro-ortho	10.00 U	ug/L					
HW20-P	Cresol-4,6-dinitro-ortho	10.00 U	ug/L					
HW20	Cresol-o	5.00 U	ug/L	720.00 ug/L				
HW20-P	Cresol-o	5.00 U	ug/L	720.00 ug/L				
HW20	Cresol-p	5.00 U	ug/L	72.00 ug/L				
HW20-P	Cresol-p	5.00 U	ug/L	72.00 ug/L				
HW20	Dibenz(a,h)anthracene	5.00 U	ug/L	0.29 ug/L				
HW20-P	Dibenz(a,h)anthracene	5.00 U	ug/L	0.29 ug/L				
HW20	Dibenzofuran	5.00 U	ug/L					
HW20-P	Dibenzofuran	5.00 U	ug/L					
HW20	Dichlorobenzidine-3,3'	5.00 U	ug/L	11.00 ug/L				
HW20-P	Dichlorobenzidine-3,3'	5.00 U	ug/L	11.00 ug/L				
HW20	Dichlorophenol-2,4	5.00 U	ug/L	35.00 ug/L				

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW20-P	Dichlorophenol-2,4	5.00 U	ug/L	35.00 ug/L				
HW20	Dimethylphenol, 2,4-	5.00 U	ug/L	270.00 ug/L				
HW20-P	Dimethylphenol, 2,4-	5.00 U	ug/L	270.00 ug/L				
HW20	Dinitrophenol-2,4	5.00 U	ug/L	30.00 ug/L				
HW20-P	Dinitrophenol-2,4	5.00 U	ug/L	30.00 ug/L				
HW20	Dinitrotoluene-2,4	5.00 U	ug/L					
HW20-P	Dinitrotoluene-2,4	5.00 U	ug/L					
HW20	Dinitrotoluene-2,6	5.00 U	ug/L					
HW20-P	Dinitrotoluene-2,6	5.00 U	ug/L					
HW20	Ether, bis(2-chloroethyl)	5.00 U	ug/L	1.20 ug/L				
HW20-P	Ether, bis(2-chloroethyl)	5.00 U	ug/L	1.20 ug/L				
HW20	Ether-bis(2-chloroisopropyl)	5.00 U	ug/L					
HW20-P	Ether-bis(2-chloroisopropyl)	5.00 U	ug/L					
HW20	Fluoranthene	5.00 U	ug/L	630.00 ug/L				
HW20-P	Fluoranthene	5.00 U	ug/L	630.00 ug/L				
HW20	Fluoranthene benzo(k)	5.00 U	ug/L	29.00 ug/L				
HW20-P	Fluoranthene benzo(k)	5.00 U	ug/L	29.00 ug/L				
HW20	Fluoranthene-benzo(b)	5.00 U	ug/L	5.60 ug/L				
HW20-P	Fluoranthene-benzo(b)	5.00 U	ug/L	5.60 ug/L				
HW20	Fluorene	5.00 U	ug/L	220.00 ug/L				
HW20-P	Fluorene	5.00 U	ug/L	220.00 ug/L				
HW20	Hexachlorobenzene	5.00 U	ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW20-P	Hexachlorobenzene	5.00 U	ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW20	Hexachlorobutadiene	5.00 U	ug/L	26.00 ug/L				
HW20	Hexachlorobutadiene	0.50 U	ug/L	26.00 ug/L				
HW20-P	Hexachlorobutadiene	0.50 U	ug/L	26.00 ug/L				
HW20-P	Hexachlorobutadiene	5.00 U	ug/L	26.00 ug/L				
HW20	Hexachlorocyclopentadiene	5.00 U	ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW20-P	Hexachlorocyclopentadiene	5.00 U	ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW20	Hexachloroethane	5.00 U	ug/L	5.10 ug/L				
HW20-P	Hexachloroethane	5.00 U	ug/L	5.10 ug/L				
HW20	Isophorone	5.00 U	ug/L	6,700.00 ug/L				
HW20-P	Isophorone	5.00 U	ug/L	6,700.00 ug/L				
HW20	Methane, bis(2-chloroethoxy)	5.00 U	ug/L	47.00 ug/L				
HW20-P	Methane, bis(2-chloroethoxy)	5.00 U	ug/L	47.00 ug/L				
HW20	Methylnaphthalene-2	5.00 U	ug/L	27.00 ug/L				
HW20-P	Methylnaphthalene-2	5.00 U	ug/L	27.00 ug/L				
HW20	Naphthalene	0.50 U	ug/L	14.00 ug/L				
HW20	Naphthalene	5.00 U	ug/L	14.00 ug/L				
HW20-P	Naphthalene	0.50 U	ug/L	14.00 ug/L				
HW20-P	Naphthalene	5.00 U	ug/L	14.00 ug/L				
HW20	Nitroaniline, ortho	5.00 U	ug/L	150.00 ug/L				
HW20-P	Nitroaniline, ortho	5.00 U	ug/L	150.00 ug/L				
HW20	Nitroaniline-3	5.00 U	ug/L					
HW20-P	Nitroaniline-3	5.00 U	ug/L					
HW20	Nitrobenzenamine-4	5.00 U	ug/L	61.00 ug/L				
HW20-P	Nitrobenzenamine-4	5.00 U	ug/L	61.00 ug/L				
HW20	Nitrobenzene	5.00 U	ug/L	12.00 ug/L				
HW20-P	Nitrobenzene	5.00 U	ug/L	12.00 ug/L				
HW20	Nitrophenol-2	5.00 U	ug/L					
HW20-P	Nitrophenol-2	5.00 U	ug/L					
HW20	Nitrophenol-4	10.00 U	ug/L					
HW20-P	Nitrophenol-4	10.00 U	ug/L					
HW20	Nitrosodimethylamine-n	5.00 U	ug/L	0.04 ug/L				
HW20-P	Nitrosodimethylamine-n	5.00 U	ug/L	0.04 ug/L				
HW20	Nitrosodiphenylamine-n	5.00 U	ug/L	1,000.00 ug/L				
HW20-P	Nitrosodiphenylamine-n	5.00 U	ug/L	1,000.00 ug/L				
HW20	Pentachlorophenol	40.00 U	ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW20-P	Pentachlorophenol	40.00 U	ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW20	Perylene-benzo(ghi)	5.00 U	ug/L					
HW20-P	Perylene-benzo(ghi)	5.00 U	ug/L					
HW20	Phenanthrene	5.00 U	ug/L					
HW20-P	Phenanthrene	5.00 U	ug/L					
HW20	Phenol	5.00 U	ug/L	4,500.00 ug/L				
HW20-P	Phenol	5.00 U	ug/L	4,500.00 ug/L				
HW20	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U	ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW20-P	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U	ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW20	Phthalate, Dimethyl	5.00 U	ug/L	1,400.00 ug/L				
HW20-P	Phthalate, Dimethyl	5.00 U	ug/L	1,400.00 ug/L				
HW20	Phthalate, di-n-butyl-	5.00 U	ug/L	670.00 ug/L				
HW20-P	Phthalate, di-n-butyl-	5.00 U	ug/L	670.00 ug/L				
HW20	Phthalate, di-n-octyl	5.00 U	ug/L					
HW20-P	Phthalate, di-n-octyl	5.00 U	ug/L					
HW20	Phthalate-diethyl	5.00 U	ug/L	11,000.00 ug/L				
HW20-P	Phthalate-diethyl	5.00 U	ug/L	11,000.00 ug/L				
HW20	Propylamine,n-nitroso di-n-	5.00 U	ug/L	0.93 ug/L				
HW20-P	Propylamine,n-nitroso di-n-	5.00 U	ug/L	0.93 ug/L				
HW20	Pyrene	5.00 U	ug/L	87.00 ug/L				
HW20-P	Pyrene	5.00 U	ug/L	87.00 ug/L				
HW20	Pyrene-indeno(1,2,3-cd)	5.00 U	ug/L	3.00 ug/L				
HW20-P	Pyrene-indeno(1,2,3-cd)	5.00 U	ug/L	3.00 ug/L				
HW20	Tetrachlorobenzene, 1,2,4,5-	5.00 U	ug/L	1.20 ug/L				
HW20-P	Tetrachlorobenzene, 1,2,4,5-	5.00 U	ug/L	1.20 ug/L				
HW20	Tetrachlorophenol, 2,3,4,6-	5.00 U	ug/L	170.00 ug/L				
HW20-P	Tetrachlorophenol, 2,3,4,6-	5.00 U	ug/L	170.00 ug/L				
HW20	Trichlorophenol-2,4,5	5.00 U	ug/L	890.00 ug/L				
HW20-P	Trichlorophenol-2,4,5	5.00 U	ug/L	890.00 ug/L				

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW20	Trichlorophenol-2,4,6	5.00 U	ug/L	9.04 ug/L				
HW20-P	Trichlorophenol-2,4,6	5.00 U	ug/L	9.04 ug/L				
HW20	TPH - Diesel Range Organics	250.00 U	ug/L					
HW20-P	TPH - Diesel Range Organics	250.00 U	ug/L					
HW20	TPH - Gasoline Range Organics	50.00 U	ug/L					
HW20-P	TPH - Gasoline Range Organics	50.00 U	ug/L					
HW20	TPH - Oil Range Organics	1,000.00 U	ug/L					
HW20-P	TPH - Oil Range Organics	1,000.00 U	ug/L					
HW20	1,2-Dibromo-3-chloropropane (DBCP)	1.00 U	ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW20-P	1,2-Dibromo-3-chloropropane (DBCP)	1.00 U	ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW20	4-Methyl-2-pentanone	2.00 U	ug/L	1,000.00 ug/L				
HW20-P	4-Methyl-2-pentanone	2.00 U	ug/L	1,000.00 ug/L				
HW20	Acetone	2.00 U	ug/L					
HW20-P	Acetone	2.00 U	ug/L					
HW20	Benzene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW20-P	Benzene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW20	Bromobenzene	0.50 U	ug/L					
HW20-P	Bromobenzene	0.50 U	ug/L					
HW20	Bromoform	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW20-P	Bromoform	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW20	Butylbenzene	0.50 U	ug/L					
HW20-P	Butylbenzene	0.50 U	ug/L					
HW20	Butylbenzene, sec-	0.50 U	ug/L					
HW20-P	Butylbenzene, sec-	0.50 U	ug/L					
HW20	Butylbenzene, tert-	0.50 U	ug/L					
HW20-P	Butylbenzene, tert-	0.50 U	ug/L					
HW20	Carbon disulfide	0.50 U	ug/L					
HW20-P	Carbon disulfide	0.50 U	ug/L					
HW20	Carbon Tetrachloride	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW20-P	Carbon Tetrachloride	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW20	Chlorobenzene	0.50 U	ug/L		100.00 ug/L			
HW20-P	Chlorobenzene	0.50 U	ug/L		100.00 ug/L			
HW20	Chlorobromomethane	0.50 U	ug/L					
HW20-P	Chlorobromomethane	0.50 U	ug/L					
HW20	Chloroethane	0.50 U	ug/L					
HW20-P	Chloroethane	0.50 U	ug/L					
HW20	Chloroform	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW20-P	Chloroform	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW20	Chlorotoluene	0.50 U	ug/L	180.00 ug/L				
HW20-P	Chlorotoluene	0.50 U	ug/L	180.00 ug/L				
HW20	Chlorotoluene-p	0.50 U	ug/L	190.00 ug/L				
HW20-P	Chlorotoluene-p	0.50 U	ug/L	190.00 ug/L				
HW20	Cyclohexane	0.50 UJ	ug/L					
HW20-P	Cyclohexane	0.50 UJ	ug/L					
HW20	Dibromochloromethane	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW20-P	Dibromochloromethane	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW20	Dibromoethane-1,2	0.50 U	ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW20-P	Dibromoethane-1,2	0.50 U	ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW20	Dibromomethane	0.50 U	ug/L					
HW20-P	Dibromomethane	0.50 U	ug/L					
HW20	Dichlorobenzene-1,2	0.50 U	ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW20-P	Dichlorobenzene-1,2	0.50 U	ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW20	Dichlorobenzene-1,3	0.50 U	ug/L					
HW20-P	Dichlorobenzene-1,3	0.50 U	ug/L					
HW20	Dichlorobenzene-1,4	0.50 U	ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW20-P	Dichlorobenzene-1,4	0.50 U	ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW20	Dichlorobromomethane	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW20-P	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
HW20	Dichlorodifluoromethane	0.50 U	ug/L					
HW20-P	Dichlorodifluoromethane	0.50 U	ug/L					
HW20	Dichloroethane-1,1	0.50 U	ug/L	240.00 ug/L				
HW20-P	Dichloroethane-1,1	0.50 U	ug/L	240.00 ug/L				
HW20	Dichloroethane-1,2	0.50 U	ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW20-P	Dichloroethane-1,2	0.50 U	ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW20	Dichloroethene-1,2 trans	0.50 U	ug/L		100.00 ug/L		100.00 ug/L	
HW20-P	Dichloroethene-1,2 trans	0.50 U	ug/L		100.00 ug/L		100.00 ug/L	
HW20	Dichloroethylene-1,1	0.50 U	ug/L		7.00 ug/L		7.00 ug/L	
HW20-P	Dichloroethylene-1,1	0.50 U	ug/L		7.00 ug/L		7.00 ug/L	
HW20	Dichloroethylene-1,2 cis	0.50 U	ug/L		70.00 ug/L		70.00 ug/L	
HW20-P	Dichloroethylene-1,2 cis	0.50 U	ug/L		70.00 ug/L		70.00 ug/L	
HW20	Dichloropropane, 1,2-	0.50 U	ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW20-P	Dichloropropane, 1,2-	0.50 U	ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW20	Dichloropropane, 1,3-	0.50 U	ug/L	290.00 ug/L				
HW20-P	Dichloropropane, 1,3-	0.50 U	ug/L	290.00 ug/L				
HW20	Dichloropropane, 2,2-	0.50 U	ug/L					
HW20-P	Dichloropropane, 2,2-	0.50 U	ug/L					
HW20	Dichloropropene, 1,1-	0.50 U	ug/L					
HW20-P	Dichloropropene, 1,1-	0.50 U	ug/L					
HW20	Dichloropropene, 1,3 cis-	0.50 U	ug/L					
HW20-P	Dichloropropene, 1,3 cis-	0.50 U	ug/L					
HW20	Dichloropropene, 1,3 trans-	0.50 U	ug/L					
HW20-P	Dichloropropene, 1,3 trans-	0.50 U	ug/L					
HW20	Ethylbenzene	0.50 U	ug/L		700.00 ug/L		700.00 ug/L	
HW20-P	Ethylbenzene	0.50 U	ug/L		700.00 ug/L		700.00 ug/L	
HW20	Freon 113	0.50 UJ	ug/L					
HW20-P	Freon 113	0.50 UJ	ug/L					
HW20	Hexanone, 2-	2.00 U	ug/L	34.00 ug/L				

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW20-P	Hexanone, 2-	2.00 U	ug/L	34.00 ug/L				
HW20	Isopropylbenzene	0.50 U	ug/L					
HW20-P	Isopropylbenzene	0.50 U	ug/L					
HW20	Isopropylbenzene-4,methyl-1	0.50 U	ug/L					
HW20-P	Isopropylbenzene-4,methyl-1	0.50 U	ug/L					
HW20	m,p-Xylene	1.00 U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW20-P	m,p-Xylene	1.00 U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW20	Methyl acetate	0.50 UJ	ug/L					
HW20-P	Methyl acetate	0.50 UJ	ug/L					
HW20	Methyl bromide	0.50 U	ug/L					
HW20-P	Methyl bromide	0.50 U	ug/L					
HW20	Methyl chloride	0.50 U	ug/L					
HW20-P	Methyl chloride	0.50 U	ug/L					
HW20	Methyl cyclohexane	0.50 UJ	ug/L					
HW20-P	Methyl cyclohexane	0.50 UJ	ug/L					
HW20	Methyl ethyl ketone	2.00 U	ug/L	4,900.00 ug/L				
HW20-P	Methyl ethyl ketone	2.00 U	ug/L	4,900.00 ug/L				
HW20	Methyl tertiary butyl ether (MTBE)	0.50 UJ	ug/L					
HW20-P	Methyl tertiary butyl ether (MTBE)	0.50 UJ	ug/L					
HW20	Methylene chloride	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW20-P	Methylene chloride	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW20	Propylbenzene-n	0.50 U	ug/L					
HW20-P	Propylbenzene-n	0.50 U	ug/L					
HW20	Styrene	1.00 U	ug/L		100.00 ug/L		100.00 ug/L	
HW20-P	Styrene	1.00 U	ug/L		100.00 ug/L		100.00 ug/L	
HW20	Tetrachloroethane, 1,1,1,2-	0.50 U	ug/L	50.00 ug/L				
HW20-P	Tetrachloroethane, 1,1,1,2-	0.50 U	ug/L	50.00 ug/L				
HW20	Tetrachloroethane, 1,1,2,2-	0.50 U	ug/L	6.60 ug/L				
HW20-P	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
HW20	Tetrachloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW20-P	Tetrachloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW20	Toluene	0.50 U	ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW20-P	Toluene	0.50 U	ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW20	Trichlorobenzene-1,2,3	0.50 U	ug/L	5.20 ug/L				
HW20-P	Trichlorobenzene-1,2,3	0.50 U	ug/L	5.20 ug/L				
HW20	Trichlorobenzene-1,2,4	0.50 U	ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW20-P	Trichlorobenzene-1,2,4	0.50 U	ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW20	Trichloroethane-1,1,1	0.50 U	ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW20-P	Trichloroethane-1,1,1	0.50 U	ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW20	Trichloroethane-1,1,2	0.50 U	ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW20-P	Trichloroethane-1,1,2	0.50 U	ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW20	Trichloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW20-P	Trichloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW20	Trichlorofluoromethane	0.50 U	ug/L					
HW20-P	Trichlorofluoromethane	0.50 U	ug/L					
HW20	Trichloropropane-1,2,3	0.50 U	ug/L	0.07 ug/L				
HW20-P	Trichloropropane-1,2,3	0.50 U	ug/L	0.07 ug/L				
HW20	Trimethylbenzene-1,2,4	0.50 U	ug/L	15.00 ug/L				
HW20-P	Trimethylbenzene-1,2,4	0.50 U	ug/L	15.00 ug/L				
HW20	Trimethylbenzene-1,3,5	0.50 U	ug/L	87.00 ug/L				
HW20-P	Trimethylbenzene-1,3,5	0.50 U	ug/L	87.00 ug/L				
HW20	Vinyl acetate	0.50 U	ug/L					
HW20-P	Vinyl acetate	0.50 U	ug/L					
HW20	Vinyl chloride	0.50 U	ug/L		2.00 ug/L		2.00 ug/L	
HW20-P	Vinyl chloride	0.50 U	ug/L		2.00 ug/L		2.00 ug/L	
HW20	Xylene-o	1.00 U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW20-P	Xylene-o	1.00 U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW20	Nitrogen, Nitrite + Nitrate	0.42	mg/L		10.00 mg/L		10.00 mg/L	

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW20-P	Nitrogen, Nitrite + Nitrate	0.41	mg/L		10.00 mg/L		10.00 mg/L	
HW20	Total Nitrogen	1.00 U	mg/L					
HW20-P	Total Nitrogen	1.00 U	mg/L					
HW20	Total Phosphorus as P	0.05 UJ	mg/L					
HW20-P	Total Phosphorus as P	0.05 U	mg/L					

* 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).
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 Heterotropic 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.
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.
TPH - Total Petroleum Hydrocarbons

Key to EPA Validated Data Summary Report
Dimock Residential Sampling
April 4, 2012

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.

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.

Key to EPA Validated Data Summary Report
Dimock Residential Sampling
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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, or other symptoms. These pathogens may pose a special health risk for infants, young children, and people with severely compromised immune systems.

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.

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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.

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.