HW-18
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
HW18	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW18-P	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW18	1-Propanol	10,000.00	U	ug/L						
HW18-P	1-Propanol	10,000.00	U	ug/L						
HW18	2-Butanol	10,000.00	U	ug/L						
HW18-P	2-Butanol	10,000.00	U	ug/L						
HW18	Ethanol	10,000.00	U	ug/L						
HW18-P	Ethanol	10,000.00	U	ug/L						
HW18	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW18-P	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW18	Anionic Surfactants	0.01	U	mg/L						
HW18-P	Anionic Surfactants	0.01	U	mg/L						
HW18	Heterotrophic Plate Count	73.00	J	cfu/1mL						
HW18-P	Heterotrophic Plate Count	68.00	J	cfu/1mL						
HW18	Total Coliform Bacteria	1.00	UJ	cfu/100mL	0.00	cfu/100mL	5.00 %*			
HW18-P	Total Coliform Bacteria	1.00	UJ	cfu/100mL	0.00	cfu/100mL	5.00 %*			
HW18	Ethane	1.20	U	ug/L						
HW18-P	Ethane	1.20	U	ug/L						
HW18	Ethene	1.10	U	ug/L						
HW18-P	Ethene	1.10	U	ug/L						
HW18	Methane	190.00		ug/L	28,000.00	ug/L				
HW18-P	Methane	160.00		ug/L	28,000.00	ug/L				
HW18	2-Butoxyethanol	5.00	U	ug/L						
HW18-P	2-Butoxyethanol	5.00	U	ug/L						

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Sample Number	Analyte	Result			Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW18	2-Methoxyethanol	10.00	UJ	ug/L	78.00 ug/L				
HW18	2-Methoxyethanol	60.00	U	ug/L	78.00 ug/L				
HW18-P	2-Methoxyethanol	10.00	UJ	ug/L	78.00 ug/L				
HW18-P	2-Methoxyethanol	60.00	U	ug/L	78.00 ug/L				
HW18	Diethylene Glycol	50.00	U	ug/L	8,000.00 ug/L				
HW18	Diethylene glycol		R	ug/L	8,000.00 ug/L				
HW18-P	Diethylene Glycol	50.00	U	ug/L	8,000.00 ug/L				
HW18-P	Diethylene glycol		R	ug/L	8,000.00 ug/L				
HW18	Ethanol, 2-ethoxy-	10,000.00	U	ug/L					
HW18-P	Ethanol, 2-ethoxy-	10,000.00	U	ug/L					
HW18	Ethanol, 2-methoxy-	10,000.00	U	ug/L	78.00 ug/L				
HW18-P	Ethanol, 2-methoxy-	10,000.00	U	ug/L	78.00 ug/L				
HW18	Ethylene glycol	10,000.00	U	ug/L	31,000.00 ug/L				
HW18	Ethylene glycol	10,000.00	U	ug/L	31,000.00 ug/L				
HW18-P	Ethylene glycol	10,000.00	U	ug/L	31,000.00 ug/L				
HW18-P	Ethylene glycol	10,000.00	U	ug/L	31,000.00 ug/L				
HW18	Tetraethylene glycol	25.00	U	ug/L	8,000.00 ug/L				
HW18-P	Tetraethylene glycol	25.00	U	ug/L	8,000.00 ug/L				
HW18	Triethylene glycol		R	ug/L	8,000.00 ug/L				
HW18	Triethylene glycol	25.00	U	ug/L	8,000.00 ug/L				
HW18-P	Triethylene glycol	25.00	U	ug/L	8,000.00 ug/L				
HW18-P	Triethylene glycol	10,000.00	U	ug/L	8,000.00 ug/L				
HW18	Bromide	0.50	U	mg/L					
HW18-P	Bromide	0.50	U	mg/L					
HW18	Chloride	2.84		mg/L			250.00 mg/L		250.00 mg/L
HW18-P	Chloride	5.05		mg/L			250.00 mg/L		250.00 mg/L
HW18	Fluoride	0.12		mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW18-P	Fluoride	0.26		mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW18	Sulfate	7.53		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	
HW18-P	Sulfate	7.22		mg/L					250.00	mg/L			250.00	mg/L
HW18	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW18-F	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW18-P	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW18-PF	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW18	Aluminum	34.60		ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW18-F	Aluminum	30.00	U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW18-P	Aluminum	30.00	U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW18-PF	Aluminum	30.00	U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW18	Antimony	2.00	U	ug/L	6.00	ug/L	6.00	ug/L			6.00	ug/L		
HW18-F	Antimony	2.00	U	ug/L	6.00	ug/L	6.00	ug/L			6.00	ug/L		
HW18-P	Antimony	2.00	U	ug/L	6.00	ug/L	6.00	ug/L			6.00	ug/L		
HW18-PF	Antimony	2.00	U	ug/L	6.00	ug/L	6.00	ug/L			6.00	ug/L		
HW18	Arsenic	2.20		ug/L	4.50	ug/L	10.00	ug/L			10.00	ug/L		
HW18-F	Arsenic	2.00	U	ug/L	4.50	ug/L	10.00	ug/L			10.00	ug/L		
HW18-P	Arsenic	2.10		ug/L	4.50	ug/L	10.00	ug/L			10.00	ug/L		
HW18-PF	Arsenic	2.60		ug/L	4.50	ug/L	10.00	ug/L			10.00	ug/L		
HW18	Barium	276.00		ug/L	2,900.00	ug/L	2,000.00	ug/L			2,000.00	ug/L		
HW18-F	Barium	291.00		ug/L	2,900.00	ug/L	2,000.00	ug/L			2,000.00	ug/L		
HW18-P	Barium	309.00		ug/L	2,900.00	ug/L	2,000.00	ug/L			2,000.00	ug/L		
HW18-PF	Barium	303.00		ug/L	2,900.00	ug/L	2,000.00	ug/L			2,000.00	ug/L		
HW18	Beryllium	1.00	U	ug/L	16.00	ug/L	4.00	ug/L			4.00	ug/L		
HW18-F	Beryllium	1.00	U	ug/L	16.00	ug/L	4.00	ug/L			4.00	ug/L		
HW18-P	Beryllium	1.00	U	ug/L	16.00	ug/L	4.00	ug/L			4.00	ug/L		
HW18-PF	Beryllium	1.00	U	ug/L	16.00	ug/L	4.00	ug/L			4.00	ug/L		
HW18	Boron	186.00		ug/L	3,100.00	ug/L								
HW18-F	Boron	161.00		ug/L	3,100.00	ug/L								
HW18-P	Boron	159.00		ug/L	3,100.00	ug/L								
HW18-PF	Boron	156.00		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
HW18	Cadmium	1.00	U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW18-F	Cadmium	1.00	U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW18-P	Cadmium	1.00	U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW18-PF	Cadmium	1.00	U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW18	Calcium	16,000.00		ug/L					
HW18-F	Calcium	17,400.00		ug/L					
HW18-P	Calcium	18,200.00		ug/L					
HW18-PF	Calcium	18,300.00		ug/L					
HW18	Chromium	2.00	U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW18-F	Chromium	2.00	U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW18-P	Chromium	2.00	U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW18-PF	Chromium	2.00	U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW18	Cobalt	1.00	U	ug/L	4.70 ug/L				
HW18-F	Cobalt	1.00	U	ug/L	4.70 ug/L				
HW18-P	Cobalt	1.00	U	ug/L	4.70 ug/L				
HW18-PF	Cobalt	1.00	U	ug/L	4.70 ug/L				
HW18	Copper	2.00	U	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW18-F	Copper	2.00	U	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW18-P	Copper	7.80		ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW18-PF	Copper	7.10		ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW18	Iron	100.00	U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW18-F	Iron	100.00	U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW18-P	Iron	100.00	U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW18-PF	Iron	100.00	U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW18	Lead	1.00	U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW18-F	Lead	1.00	U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW18-P	Lead	1.00	U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW18-PF	Lead	1.00	U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW18	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	
HW18-F	Lithium	200.00	U	ug/L	31.00	ug/L								
HW18-P	Lithium	200.00	U	ug/L	31.00	ug/L								
HW18-PF	Lithium	200.00	U	ug/L	31.00	ug/L								
HW18	Magnesium	2,730.00		ug/L										
HW18-F	Magnesium	2,910.00		ug/L										
HW18-P	Magnesium	3,070.00		ug/L										
HW18-PF	Magnesium	3,090.00		ug/L										
HW18	Manganese	6.20		ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW18-F	Manganese	5.30		ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW18-P	Manganese	7.80		ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW18-PF	Manganese	8.00		ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW18	Nickel	1.00	U	ug/L	300.00	ug/L								
HW18-F	Nickel	1.00	U	ug/L	300.00	ug/L								
HW18-P	Nickel	1.00	U	ug/L	300.00	ug/L								
HW18-PF	Nickel	1.00	U	ug/L	300.00	ug/L								
HW18	Potassium	2,000.00	U	ug/L										
HW18-F	Potassium	2,000.00	U	ug/L										
HW18-P	Potassium	2,000.00	U	ug/L										
HW18-PF	Potassium	2,000.00	U	ug/L										
HW18	Selenium	5.00	U	ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW18-F	Selenium	5.00	U	ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW18-P	Selenium	5.00	U	ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW18-PF	Selenium	5.00	U	ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW18	Silver	1.00	U	ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW18-F	Silver	1.00	U	ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW18-P	Silver	1.00	U	ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW18-PF	Silver	1.00	U	ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW18	Sodium	**45,600.00**		ug/L	20,000.00	ug/L								
HW18-F	Sodium	**40,800.00**		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	
HW18-P	Sodium	**37,000.00**		ug/L	20,000.00	ug/L								
HW18-PF	Sodium	**37,700.00**		ug/L	20,000.00	ug/L								
HW18	Strontium	954.00		ug/L	9,300.00	ug/L								
HW18-F	Strontium	1,030.00		ug/L	9,300.00	ug/L								
HW18-P	Strontium	1,090.00		ug/L	9,300.00	ug/L								
HW18-PF	Strontium	1,100.00		ug/L	9,300.00	ug/L								
HW18	Thallium	1.00	U	ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW18-F	Thallium	1.00	U	ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW18-P	Thallium	1.00	U	ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW18-PF	Thallium	1.00	U	ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW18	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW18-F	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW18-P	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW18-PF	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW18	Titanium	200.00	U	ug/L										
HW18-F	Titanium	200.00	U	ug/L										
HW18-P	Titanium	200.00	U	ug/L										
HW18-PF	Titanium	200.00	U	ug/L										
HW18	Uranium	1.00	U	ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW18-F	Uranium	1.00		ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW18-P	Uranium	1.10		ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW18-PF	Uranium	1.10		ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW18	Vanadium	5.00	U	ug/L	78.00	ug/L								
HW18-F	Vanadium	5.00	U	ug/L	78.00	ug/L								
HW18-P	Vanadium	5.00	U	ug/L	78.00	ug/L								
HW18-PF	Vanadium	5.00	U	ug/L	78.00	ug/L								
HW18	Zinc	2.00	U	ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW18-F	Zinc	2.00	U	ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW18-P	Zinc	2.00	U	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	
HW18-PF	Zinc	2.00	U	ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW18	Oil and Grease	5.10	U	mg/L										
HW18-P	Oil and Grease	5.20	U	mg/L										
HW18	Total Dissolved Solids	138.00		mg/L					500.00	mg/L			500.00	mg/L
HW18-P	Total Dissolved Solids	73.00	J	mg/L					500.00	mg/L			500.00	mg/L
HW18	Total Suspended Solids	10.00	U	mg/L										
HW18-P	Total Suspended Solids	10.00	U	mg/L										
HW18	1-Methylnaphthalene	5.00	U	ug/L	97.00	ug/L								
HW18-P	1-Methylnaphthalene	5.00	U	ug/L	97.00	ug/L								
HW18	Acenaphthene	5.00	U	ug/L	400.00	ug/L								
HW18-P	Acenaphthene	5.00	U	ug/L	400.00	ug/L								
HW18	Acenaphthylene	5.00	U	ug/L										
HW18-P	Acenaphthylene	5.00	U	ug/L										
HW18	Acetophenone	5.00	U	ug/L	1,500.00	ug/L								
HW18-P	Acetophenone	5.00	U	ug/L	1,500.00	ug/L								
HW18	Anthracene	5.00	U	ug/L	1,300.00	ug/L								
HW18-P	Anthracene	5.00	U	ug/L	1,300.00	ug/L								
HW18	Atrazine	5.00	U	ug/L	26.00	ug/L	3.00	ug/L			3.00	ug/L		
HW18-P	Atrazine	5.00	U	ug/L	26.00	ug/L	3.00	ug/L			3.00	ug/L		
HW18	Benzo(a)anthracene	5.00	U	ug/L	2.90	ug/L								
HW18-P	Benzo(a)anthracene	5.00	U	ug/L	2.90	ug/L								
HW18	Benzo(a)pyrene	5.00	U	ug/L	0.29	ug/L	0.20	ug/L			0.20	ug/L		
HW18-P	Benzo(a)pyrene	5.00	U	ug/L	0.29	ug/L	0.20	ug/L			0.20	ug/L		
HW18	Biphenyl	5.00	U	ug/L										
HW18-P	Biphenyl	5.00	U	ug/L										
HW18	Bromophenyl-4 Phenyl Ether	5.00	U	ug/L										
HW18-P	Bromophenyl-4 Phenyl Ether	5.00	U	ug/L										
HW18	Butylbenzyl phthalate	5.00	U	ug/L	1,400.00	ug/L								
HW18-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
HW18	Caprolactam	5.00	U	ug/L	7,700.00	ug/L				
HW18-P	Caprolactam	5.00	U	ug/L	7,700.00	ug/L				
HW18	Carbazole	5.00	U	ug/L						
HW18-P	Carbazole	5.00	U	ug/L						
HW18	Chlorobenzenamine-4	5.00	U	ug/L	3.20	ug/L				
HW18-P	Chlorobenzenamine-4	5.00	U	ug/L	3.20	ug/L				
HW18	Chloronaphthalene-2	5.00	U	ug/L	550.00	ug/L				
HW18-P	Chloronaphthalene-2	5.00	U	ug/L	550.00	ug/L				
HW18	Chlorophenol-2	5.00	U	ug/L	71.00	ug/L				
HW18-P	Chlorophenol-2	5.00	U	ug/L	71.00	ug/L				
HW18	Chlorophenyl-4 phenyl ether	5.00	U	ug/L						
HW18-P	Chlorophenyl-4 phenyl ether	5.00	U	ug/L						
HW18	Chrysene	5.00	U	ug/L	290.00	ug/L				
HW18-P	Chrysene	5.00	U	ug/L	290.00	ug/L				
HW18	Cresol, parachloro meta-	5.00	U	ug/L						
HW18-P	Cresol, parachloro meta-	5.00	U	ug/L						
HW18	Cresol-4,6-dinitro-ortho	60.00	U	ug/L						
HW18-P	Cresol-4,6-dinitro-ortho	60.00	U	ug/L						
HW18	Cresol-o	5.00	U	ug/L	720.00	ug/L				
HW18-P	Cresol-o	5.00	U	ug/L	720.00	ug/L				
HW18	Cresol-p	5.00	U	ug/L	72.00	ug/L				
HW18-P	Cresol-p	5.00	U	ug/L	72.00	ug/L				
HW18	Dibenz(a,h)anthracene	5.00	U	ug/L	0.29	ug/L				
HW18-P	Dibenz(a,h)anthracene	5.00	U	ug/L	0.29	ug/L				
HW18	Dibenzofuran	5.00	U	ug/L						
HW18-P	Dibenzofuran	5.00	U	ug/L						
HW18	Dichlorobenzidine-3,3'	5.00	U	ug/L	11.00	ug/L				
HW18-P	Dichlorobenzidine-3,3'	5.00	U	ug/L	11.00	ug/L				
HW18	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
HW18-P	Dichlorophenol-2,4	5.00	U	ug/L	35.00	ug/L						
HW18	Dimethylphenol, 2,4-	5.00	U	ug/L	270.00	ug/L						
HW18-P	Dimethylphenol, 2,4-	5.00	U	ug/L	270.00	ug/L						
HW18	Dinitrophenol-2,4	60.00	U	ug/L	30.00	ug/L						
HW18-P	Dinitrophenol-2,4	60.00	U	ug/L	30.00	ug/L						
HW18	Dinitrotoluene-2,4	5.00	U	ug/L								
HW18-P	Dinitrotoluene-2,4	5.00	U	ug/L								
HW18	Dinitrotoluene-2,6	5.00	U	ug/L								
HW18-P	Dinitrotoluene-2,6	5.00	U	ug/L								
HW18	Ether, bis(2-chloroethyl)	5.00	U	ug/L	1.20	ug/L						
HW18-P	Ether, bis(2-chloroethyl)	5.00	U	ug/L	1.20	ug/L						
HW18	Ether-bis(2-chloroisopropyl)	5.00	U	ug/L								
HW18-P	Ether-bis(2-chloroisopropyl)	5.00	U	ug/L								
HW18	Fluoranthene	5.00	U	ug/L	630.00	ug/L						
HW18-P	Fluoranthene	5.00	U	ug/L	630.00	ug/L						
HW18	Fluoranthene benzo(k)	5.00	U	ug/L	29.00	ug/L						
HW18-P	Fluoranthene benzo(k)	5.00	U	ug/L	29.00	ug/L						
HW18	Fluoranthene-benzo(b)	5.00	U	ug/L	5.60	ug/L						
HW18-P	Fluoranthene-benzo(b)	5.00	U	ug/L	5.60	ug/L						
HW18	Fluorene	5.00	U	ug/L	220.00	ug/L						
HW18-P	Fluorene	5.00	U	ug/L	220.00	ug/L						
HW18	Hexachlorobenzene	5.00	U	ug/L	4.20	ug/L	1.00	ug/L		1.00	ug/L	
HW18-P	Hexachlorobenzene	5.00	U	ug/L	4.20	ug/L	1.00	ug/L		1.00	ug/L	
HW18	Hexachlorobutadiene	0.50	U	ug/L	26.00	ug/L						
HW18	Hexachlorobutadiene	5.00	U	ug/L	26.00	ug/L						
HW18-P	Hexachlorobutadiene	5.00	U	ug/L	26.00	ug/L						
HW18-P	Hexachlorobutadiene	0.50	U	ug/L	26.00	ug/L						
HW18	Hexachlorocyclopentadiene	60.00	U	ug/L	22.00	ug/L	50.00	ug/L		50.00	ug/L	
HW18-P	Hexachlorocyclopentadiene	60.00	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	
HW18	Hexachloroethane	5.00	U	ug/L	5.10	ug/L								
HW18-P	Hexachloroethane	5.00	U	ug/L	5.10	ug/L								
HW18	Isophorone	5.00	U	ug/L	6,700.00	ug/L								
HW18-P	Isophorone	5.00	U	ug/L	6,700.00	ug/L								
HW18	Methane, bis(2-chloroethoxy)	5.00	U	ug/L	47.00	ug/L								
HW18-P	Methane, bis(2-chloroethoxy)	5.00	U	ug/L	47.00	ug/L								
HW18	Methylnaphthalene-2	5.00	U	ug/L	27.00	ug/L								
HW18-P	Methylnaphthalene-2	5.00	U	ug/L	27.00	ug/L								
HW18	Naphthalene	0.50	U	ug/L	14.00	ug/L								
HW18	Naphthalene	5.00	U	ug/L	14.00	ug/L								
HW18-P	Naphthalene	5.00	U	ug/L	14.00	ug/L								
HW18-P	Naphthalene	0.50	U	ug/L	14.00	ug/L								
HW18	Nitroaniline, ortho	5.00	U	ug/L	150.00	ug/L								
HW18-P	Nitroaniline, ortho	5.00	U	ug/L	150.00	ug/L								
HW18	Nitroaniline-3	5.00	U	ug/L										
HW18-P	Nitroaniline-3	5.00	U	ug/L										
HW18	Nitrobenzenamine-4	5.00	U	ug/L	61.00	ug/L								
HW18-P	Nitrobenzenamine-4	5.00	U	ug/L	61.00	ug/L								
HW18	Nitrobenzene	5.00	U	ug/L	12.00	ug/L								
HW18-P	Nitrobenzene	5.00	U	ug/L	12.00	ug/L								
HW18	Nitrophenol-2	5.00	U	ug/L										
HW18-P	Nitrophenol-2	5.00	U	ug/L										
HW18	Nitrophenol-4	60.00	U	ug/L										
HW18-P	Nitrophenol-4	60.00	U	ug/L										
HW18	Nitrosodimethylamine-n	5.00	U	ug/L	0.04	ug/L								
HW18-P	Nitrosodimethylamine-n	5.00	U	ug/L	0.04	ug/L								
HW18	Nitrosodiphenylamine-n	5.00	U	ug/L	1,000.00	ug/L								
HW18-P	Nitrosodiphenylamine-n	5.00	U	ug/L	1,000.00	ug/L								
HW18	Pentachlorophenol	60.00	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
HW18-P	Pentachlorophenol	60.00	U	ug/L	17.00	ug/L	1.00	ug/L		1.00	ug/L	
HW18	Perylene-benzo(ghi)	5.00	U	ug/L								
HW18-P	Perylene-benzo(ghi)	5.00	U	ug/L								
HW18	Phenanthrene	5.00	U	ug/L								
HW18-P	Phenanthrene	5.00	U	ug/L								
HW18	Phenol	5.00	U	ug/L	4,500.00	ug/L						
HW18-P	Phenol	5.00	U	ug/L	4,500.00	ug/L						
HW18	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U	ug/L	7.10	ug/L	6.00	ug/L		6.00	ug/L	
HW18-P	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U	ug/L	7.10	ug/L	6.00	ug/L		6.00	ug/L	
HW18	Phthalate, Dimethyl	5.00	U	ug/L	1,400.00	ug/L						
HW18-P	Phthalate, Dimethyl	5.00	U	ug/L	1,400.00	ug/L						
HW18	Phthalate, di-n-butyl-	5.00	U	ug/L	670.00	ug/L						
HW18-P	Phthalate, di-n-butyl-	5.00	U	ug/L	670.00	ug/L						
HW18	Phthalate, di-n-octyl	5.00	U	ug/L								
HW18-P	Phthalate, di-n-octyl	5.00	U	ug/L								
HW18	Phthalate-diethyl	5.00	U	ug/L	11,000.00	ug/L						
HW18-P	Phthalate-diethyl	5.00	U	ug/L	11,000.00	ug/L						
HW18	Propylamine,n-nitroso di-n-	5.00	U	ug/L	0.93	ug/L						
HW18-P	Propylamine,n-nitroso di-n-	5.00	U	ug/L	0.93	ug/L						
HW18	Pyrene	5.00	U	ug/L	87.00	ug/L						
HW18-P	Pyrene	5.00	U	ug/L	87.00	ug/L						
HW18	Pyrene-indeno(1,2,3-cd)	5.00	U	ug/L	3.00	ug/L						
HW18-P	Pyrene-indeno(1,2,3-cd)	5.00	U	ug/L	3.00	ug/L						
HW18	Tetrachlorobenzene, 1,2,4,5-	5.00	U	ug/L	1.20	ug/L						
HW18-P	Tetrachlorobenzene, 1,2,4,5-	5.00	U	ug/L	1.20	ug/L						
HW18	Tetrachlorophenol, 2,3,4,6-	60.00	U	ug/L	170.00	ug/L						
HW18-P	Tetrachlorophenol, 2,3,4,6-	60.00	U	ug/L	170.00	ug/L						
HW18	Trichlorophenol-2,4,5	5.00	U	ug/L	890.00	ug/L						
HW18-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	
HW18	Trichlorophenol-2,4,6	5.00	U	ug/L	9.04	ug/L								
HW18-P	Trichlorophenol-2,4,6	5.00	U	ug/L	9.04	ug/L								
HW18	TPH - Diesel Range Organics	240.00	U	ug/L										
HW18-P	TPH - Diesel Range Organics	250.00	U	ug/L										
HW18	TPH - Gasoline Range Organics	50.00	U	ug/L										
HW18-P	TPH - Gasoline Range Organics	50.00	U	ug/L										
HW18	TPH - Oil Range Organics	950.00	U	ug/L										
HW18-P	TPH - Oil Range Organics	1,000.00	U	ug/L										
HW18	1,2-Dibromo-3-chloropropane (DBCP)	1.00	U	ug/L	0.03	ug/L	0.20	ug/L			0.20	ug/L		
HW18-P	1,2-Dibromo-3-chloropropane (DBCP)	1.00	U	ug/L	0.03	ug/L	0.20	ug/L			0.20	ug/L		
HW18	4-Methyl-2-pentanone	2.00	U	ug/L	1,000.00	ug/L								
HW18-P	4-Methyl-2-pentanone	2.00	U	ug/L	1,000.00	ug/L								
HW18	Acetone	2.00	U	ug/L										
HW18-P	Acetone	3.30	U	ug/L										
HW18	Benzene	0.50	U	ug/L			5.00	ug/L			5.00	ug/L		
HW18-P	Benzene	0.50	U	ug/L			5.00	ug/L			5.00	ug/L		
HW18	Bromobenzene	0.50	U	ug/L										
HW18-P	Bromobenzene	0.50	U	ug/L										
HW18	Bromoform	0.50	U	ug/L			80.00	ug/L			80.00	ug/L		
HW18-P	Bromoform	0.50	U	ug/L			80.00	ug/L			80.00	ug/L		
HW18	Butylbenzene	0.50	U	ug/L										
HW18-P	Butylbenzene	0.50	U	ug/L										
HW18	Butylbenzene, sec-	0.50	U	ug/L										
HW18-P	Butylbenzene, sec-	0.50	U	ug/L										
HW18	Butylbenzene, tert-	0.50	U	ug/L										
HW18-P	Butylbenzene, tert-	0.50	U	ug/L										
HW18	Carbon disulfide	0.50	U	ug/L										
HW18-P	Carbon disulfide	0.50	U	ug/L										
HW18	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
HW18-P	Carbon Tetrachloride	0.50	U	ug/L		5.00 ug/L		5.00 ug/L	
HW18	Chlorobenzene	0.50	U	ug/L		100.00 ug/L			
HW18-P	Chlorobenzene	0.50	U	ug/L		100.00 ug/L			
HW18	Chlorobromomethane	0.50	U	ug/L					
HW18-P	Chlorobromomethane	0.50	U	ug/L					
HW18	Chloroethane	0.50	U	ug/L					
HW18-P	Chloroethane	0.50	U	ug/L					
HW18	Chloroform	0.50	U	ug/L		80.00 ug/L		80.00 ug/L	
HW18-P	Chloroform	0.50	U	ug/L		80.00 ug/L		80.00 ug/L	
HW18	Chlorotoluene	0.50	U	ug/L	180.00 ug/L				
HW18-P	Chlorotoluene	0.50	U	ug/L	180.00 ug/L				
HW18	Chlorotoluene-p	0.50	U	ug/L	190.00 ug/L				
HW18-P	Chlorotoluene-p	0.50	U	ug/L	190.00 ug/L				
HW18	Cyclohexane	0.50	UJ	ug/L					
HW18-P	Cyclohexane	0.50	UJ	ug/L					
HW18	Dibromochloromethane	0.50	U	ug/L		80.00 ug/L		80.00 ug/L	
HW18-P	Dibromochloromethane	0.50	U	ug/L		80.00 ug/L		80.00 ug/L	
HW18	Dibromoethane-1,2	0.50	U	ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW18-P	Dibromoethane-1,2	0.50	U	ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW18	Dibromomethane	0.50	U	ug/L					
HW18-P	Dibromomethane	0.50	U	ug/L					
HW18	Dichlorobenzene-1,2	0.50	U	ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW18-P	Dichlorobenzene-1,2	0.50	U	ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW18	Dichlorobenzene-1,3	0.50	U	ug/L					
HW18-P	Dichlorobenzene-1,3	0.50	U	ug/L					
HW18	Dichlorobenzene-1,4	0.50	U	ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW18-P	Dichlorobenzene-1,4	0.50	U	ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW18	Dichlorobromomethane	0.50	U	ug/L		80.00 ug/L		80.00 ug/L	
HW18-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
HW18	Dichlorodifluoromethane	0.50	U	ug/L								
HW18-P	Dichlorodifluoromethane	0.50	U	ug/L								
HW18	Dichloroethane-1,1	0.50	U	ug/L	240.00	ug/L						
HW18-P	Dichloroethane-1,1	0.50	U	ug/L	240.00	ug/L						
HW18	Dichloroethane-1,2	0.50	U	ug/L	15.00	ug/L	5.00	ug/L		5.00	ug/L	
HW18-P	Dichloroethane-1,2	0.50	U	ug/L	15.00	ug/L	5.00	ug/L		5.00	ug/L	
HW18	Dichloroethene-1,2 trans	0.50	U	ug/L			100.00	ug/L		100.00	ug/L	
HW18-P	Dichloroethene-1,2 trans	0.50	U	ug/L			100.00	ug/L		100.00	ug/L	
HW18	Dichloroethylene-1,1	0.50	U	ug/L			7.00	ug/L		7.00	ug/L	
HW18-P	Dichloroethylene-1,1	0.50	U	ug/L			7.00	ug/L		7.00	ug/L	
HW18	Dichloroethylene-1,2 cis	0.50	U	ug/L			70.00	ug/L		70.00	ug/L	
HW18-P	Dichloroethylene-1,2 cis	0.50	U	ug/L			70.00	ug/L		70.00	ug/L	
HW18	Dichloropropane, 1,2-	0.50	U	ug/L	38.00	ug/L	5.00	ug/L		5.00	ug/L	
HW18-P	Dichloropropane, 1,2-	0.50	U	ug/L	38.00	ug/L	5.00	ug/L		5.00	ug/L	
HW18	Dichloropropane, 1,3-	0.50	U	ug/L	290.00	ug/L						
HW18-P	Dichloropropane, 1,3-	0.50	U	ug/L	290.00	ug/L						
HW18	Dichloropropane, 2,2-	0.50	U	ug/L								
HW18-P	Dichloropropane, 2,2-	0.50	U	ug/L								
HW18	Dichloropropene, 1,1-	0.50	U	ug/L								
HW18-P	Dichloropropene, 1,1-	0.50	U	ug/L								
HW18	Dichloropropene, 1,3 cis-	0.50	U	ug/L								
HW18-P	Dichloropropene, 1,3 cis-	0.50	U	ug/L								
HW18	Dichloropropene, 1,3 trans-	0.50	U	ug/L								
HW18-P	Dichloropropene, 1,3 trans-	0.50	U	ug/L								
HW18	Ethylbenzene	0.50	U	ug/L			700.00	ug/L		700.00	ug/L	
HW18-P	Ethylbenzene	0.50	U	ug/L			700.00	ug/L		700.00	ug/L	
HW18	Freon 113	0.50	UJ	ug/L								
HW18-P	Freon 113	0.50	UJ	ug/L								
HW18	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	
HW18-P	Hexanone, 2-	2.00	U	ug/L	34.00	ug/L								
HW18	Isopropylbenzene	0.50	U	ug/L										
HW18-P	Isopropylbenzene	0.50	U	ug/L										
HW18	Isopropylbenzene-4,methyl-1	0.50	U	ug/L										
HW18-P	Isopropylbenzene-4,methyl-1	0.50	U	ug/L										
HW18	m,p-Xylene	1.00	U	ug/L			10,000.00	ug/L			10,000.00	ug/L		
HW18-P	m,p-Xylene	1.00	U	ug/L			10,000.00	ug/L			10,000.00	ug/L		
HW18	Methyl acetate	0.50	UJ	ug/L										
HW18-P	Methyl acetate	0.50	UJ	ug/L										
HW18	Methyl bromide	0.50	U	ug/L										
HW18-P	Methyl bromide	0.50	U	ug/L										
HW18	Methyl chloride	0.50	U	ug/L										
HW18-P	Methyl chloride	0.50	U	ug/L										
HW18	Methyl cyclohexane	0.50	UJ	ug/L										
HW18-P	Methyl cyclohexane	0.50	UJ	ug/L										
HW18	Methyl ethyl ketone	2.00	U	ug/L	4,900.00	ug/L								
HW18-P	Methyl ethyl ketone	2.00	U	ug/L	4,900.00	ug/L								
HW18	Methyl tertiary butyl ether (MTBE)	0.50	UJ	ug/L										
HW18-P	Methyl tertiary butyl ether (MTBE)	0.50	UJ	ug/L										
HW18	Methylene chloride	0.50	U	ug/L			5.00	ug/L			5.00	ug/L		
HW18-P	Methylene chloride	0.50	U	ug/L			5.00	ug/L			5.00	ug/L		
HW18	Propylbenzene-n	0.50	U	ug/L										
HW18-P	Propylbenzene-n	0.50	U	ug/L										
HW18	Styrene	1.00	U	ug/L			100.00	ug/L			100.00	ug/L		
HW18-P	Styrene	1.00	U	ug/L			100.00	ug/L			100.00	ug/L		
HW18	Tetrachloroethane, 1,1,1,2-	0.50	U	ug/L	50.00	ug/L								
HW18-P	Tetrachloroethane, 1,1,1,2-	0.50	U	ug/L	50.00	ug/L								
HW18	Tetrachloroethane, 1,1,2,2-	0.50	U	ug/L	6.60	ug/L								
HW18-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
HW18	Tetrachloroethylene	0.50	U	ug/L			5.00	ug/L		5.00	ug/L	
HW18-P	Tetrachloroethylene	0.50	U	ug/L			5.00	ug/L		5.00	ug/L	
HW18	Toluene	0.50	U	ug/L			1,000.00	ug/L		1,000.00	ug/L	
HW18-P	Toluene	0.50	U	ug/L			1,000.00	ug/L		1,000.00	ug/L	
HW18	Trichlorobenzene-1,2,3	0.50	U	ug/L	5.20	ug/L						
HW18-P	Trichlorobenzene-1,2,3	0.50	U	ug/L	5.20	ug/L						
HW18	Trichlorobenzene-1,2,4	0.50	U	ug/L	5.20	ug/L	70.00	ug/L		70.00	ug/L	
HW18-P	Trichlorobenzene-1,2,4	0.50	U	ug/L	5.20	ug/L	70.00	ug/L		70.00	ug/L	
HW18	Trichloroethane-1,1,1	0.50	U	ug/L	7,500.00	ug/L	200.00	ug/L		200.00	ug/L	
HW18-P	Trichloroethane-1,1,1	0.50	U	ug/L	7,500.00	ug/L	200.00	ug/L		200.00	ug/L	
HW18	Trichloroethane-1,1,2	0.50	U	ug/L	0.41	ug/L	5.00	ug/L		5.00	ug/L	
HW18-P	Trichloroethane-1,1,2	0.50	U	ug/L	0.41	ug/L	5.00	ug/L		5.00	ug/L	
HW18	Trichloroethylene	0.50	U	ug/L			5.00	ug/L		5.00	ug/L	
HW18-P	Trichloroethylene	0.50	U	ug/L			5.00	ug/L		5.00	ug/L	
HW18	Trichlorofluoromethane	0.50	U	ug/L								
HW18-P	Trichlorofluoromethane	0.50	U	ug/L								
HW18	Trichloropropane-1,2,3	0.50	U	ug/L	0.07	ug/L						
HW18-P	Trichloropropane-1,2,3	0.50	U	ug/L	0.07	ug/L						
HW18	Trimethylbenzene-1,2,4	0.50	U	ug/L	15.00	ug/L						
HW18-P	Trimethylbenzene-1,2,4	0.50	U	ug/L	15.00	ug/L						
HW18	Trimethylbenzene-1,3,5	0.50	U	ug/L	87.00	ug/L						
HW18-P	Trimethylbenzene-1,3,5	0.50	U	ug/L	87.00	ug/L						
HW18	Vinyl acetate	0.50	U	ug/L								
HW18-P	Vinyl acetate	0.50	U	ug/L								
HW18	Vinyl chloride	0.50	U	ug/L			2.00	ug/L		2.00	ug/L	
HW18-P	Vinyl chloride	0.50	U	ug/L			2.00	ug/L		2.00	ug/L	
HW18	Xylene-o	1.00	U	ug/L			10,000.00	ug/L		10,000.00	ug/L	
HW18-P	Xylene-o	1.00	U	ug/L			10,000.00	ug/L		10,000.00	ug/L	
HW18	Nitrogen, Nitrite + Nitrate	0.05	U	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
HW18-P	Nitrogen, Nitrite + Nitrate	0.05	U	mg/L		10.00 mg/L		10.00 mg/L	
HW18	Total Nitrogen	1.00	U	mg/L					
HW18-P	Total Nitrogen	1.00	U	mg/L					
HW18	Total Phosphorus as P	0.05	U	mg/L					
HW18-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

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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.

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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.