HW-40
EPA Validated Data Summary Report
Dimock Residential Sampling
Sample Date: 2/2/2012

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW40	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW40-P	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW40	1-Propanol	10,000.00	U	ug/L						
HW40-P	1-Propanol	10,000.00	U	ug/L						
HW40	2-Butanol	10,000.00	U	ug/L						
HW40-P	2-Butanol	10,000.00	U	ug/L						
HW40	Ethanol	10,000.00	U	ug/L						
HW40-P	Ethanol	10,000.00	U	ug/L						
HW40	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW40-P	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW40	Anionic Surfactants	0.01	U	mg/L						
HW40-P	Anionic Surfactants	0.01	U	mg/L						
HW40	Heterotrophic Plate Count		R	cfu/1mL						
HW40-P	Heterotrophic Plate Count		R	cfu/1mL						
HW40	Total Coliform Bacteria	1.00	U	cfu/100mL	0.00	cfu/100mL	5.00 %*			
HW40-P	Total Coliform Bacteria	1.00	U	cfu/100mL	0.00	cfu/100mL	5.00 %*			
HW40	Ethane	1.20	U	ug/L						
HW40-P	Ethane	1.20	U	ug/L						
HW40	Ethene	1.10	U	ug/L						
HW40-P	Ethene	1.10	U	ug/L						
HW40	Methane	3.20	U	ug/L	28,000.00	ug/L				
HW40-P	Methane	1.20	U	ug/L	28,000.00	ug/L				
HW40	2-Butoxyethanol	5.00	U	ug/L						
HW40-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	
HW40	2-Methoxyethanol	10.00	U	ug/L	78.00	ug/L								
HW40	2-Methoxyethanol	57.10	U	ug/L	78.00	ug/L								
HW40-P	2-Methoxyethanol	10.00	U	ug/L	78.00	ug/L								
HW40-P	2-Methoxyethanol	60.00	U	ug/L	78.00	ug/L								
HW40	Diethylene glycol	10,000.00	U	ug/L	8,000.00	ug/L								
HW40	Diethylene Glycol	50.00	U	ug/L	8,000.00	ug/L								
HW40-P	Diethylene glycol		R	ug/L	8,000.00	ug/L								
HW40-P	Diethylene Glycol	50.00	U	ug/L	8,000.00	ug/L								
HW40	Ethanol, 2-ethoxy-	10,000.00	U	ug/L										
HW40-P	Ethanol, 2-ethoxy-	10,000.00	U	ug/L										
HW40	Ethanol, 2-methoxy-	10,000.00	U	ug/L	78.00	ug/L								
HW40-P	Ethanol, 2-methoxy-	10,000.00	U	ug/L	78.00	ug/L								
HW40	Ethylene glycol	10,000.00	U	ug/L	31,000.00	ug/L								
HW40	Ethylene glycol	10,000.00	U	ug/L	31,000.00	ug/L								
HW40-P	Ethylene glycol	10,000.00	U	ug/L	31,000.00	ug/L								
HW40-P	Ethylene glycol	10,000.00	U	ug/L	31,000.00	ug/L								
HW40	Tetraethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW40-P	Tetraethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW40	Triethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW40	Triethylene glycol	10,000.00	U	ug/L	8,000.00	ug/L								
HW40-P	Triethylene glycol		R	ug/L	8,000.00	ug/L								
HW40-P	Triethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW40	Bromide	0.50	U	mg/L										
HW40-P	Bromide	0.50	U	mg/L										
HW40	Chloride	35.30		mg/L					250.00	mg/L			250.00	mg/L
HW40-P	Chloride	34.40		mg/L					250.00	mg/L			250.00	mg/L
HW40	Fluoride	0.10	U	mg/L	0.62	mg/L	4.00	mg/L	2.00	mg/L	2.00	mg/L		
HW40-P	Fluoride	0.10	U	mg/L	0.62	mg/L	4.00	mg/L	2.00	mg/L	2.00	mg/L		
HW40	Sulfate	13.00		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
HW40-P	Sulfate	13.00		mg/L			250.00 mg/L		250.00 mg/L
HW40	Mercury	0.20	U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW40-F	Mercury	0.20	U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW40-P	Mercury	0.20	U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW40-PF	Mercury	0.20	U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW40	Aluminum	30.00	U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW40-F	Aluminum	30.00	U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW40-P	Aluminum	30.00	U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW40-PF	Aluminum	30.00	U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW40	Antimony	2.00	U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW40-F	Antimony	2.00	U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW40-P	Antimony	2.00	U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW40-PF	Antimony	2.00	U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW40	Arsenic	1.00	U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW40-F	Arsenic	1.00	U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW40-P	Arsenic	1.10		ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW40-PF	Arsenic	1.00	U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW40	Barium	163.00		ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW40-F	Barium	161.00		ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW40-P	Barium	160.00		ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW40-PF	Barium	170.00		ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW40	Beryllium	1.00	U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW40-F	Beryllium	1.00	U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW40-P	Beryllium	1.00	U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW40-PF	Beryllium	1.00	U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW40	Boron	50.00	U	ug/L	3,100.00 ug/L				
HW40-F	Boron	50.00	U	ug/L	3,100.00 ug/L				
HW40-P	Boron	50.00	U	ug/L	3,100.00 ug/L				
HW40-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
HW40	Cadmium	1.00	U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW40-F	Cadmium	1.00	U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW40-P	Cadmium	1.00	U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW40-PF	Cadmium	1.00	U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW40	Calcium	36,500.00		ug/L					
HW40-F	Calcium	36,500.00		ug/L					
HW40-P	Calcium	37,600.00		ug/L					
HW40-PF	Calcium	37,600.00		ug/L					
HW40	Chromium	2.00	U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW40-F	Chromium	2.00	U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW40-P	Chromium	2.00	U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW40-PF	Chromium	2.00	U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW40	Cobalt	1.00	U	ug/L	4.70 ug/L				
HW40-F	Cobalt	1.00	U	ug/L	4.70 ug/L				
HW40-P	Cobalt	1.00	U	ug/L	4.70 ug/L				
HW40-PF	Cobalt	1.00	U	ug/L	4.70 ug/L				
HW40	Copper	12.30		ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW40-F	Copper	11.00		ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW40-P	Copper	34.40		ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW40-PF	Copper	35.60		ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW40	Iron	100.00	U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW40-F	Iron	100.00	U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW40-P	Iron	100.00	U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW40-PF	Iron	100.00	U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW40	Lead	3.10		ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW40-F	Lead	1.70		ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW40-P	Lead	1.00	U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW40-PF	Lead	1.00	U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW40	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
HW40-F	Lithium	200.00	U	ug/L	31.00 ug/L				
HW40-P	Lithium	200.00	U	ug/L	31.00 ug/L				
HW40-PF	Lithium	200.00	U	ug/L	31.00 ug/L				
HW40	Magnesium	8,830.00		ug/L					
HW40-F	Magnesium	8,880.00		ug/L					
HW40-P	Magnesium	9,320.00		ug/L					
HW40-PF	Magnesium	9,280.00		ug/L					
HW40	Manganese	1.00	U	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW40-F	Manganese	1.00	U	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW40-P	Manganese	1.00	U	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW40-PF	Manganese	1.00	U	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW40	Nickel	1.40		ug/L	300.00 ug/L				
HW40-F	Nickel	1.50		ug/L	300.00 ug/L				
HW40-P	Nickel	1.40		ug/L	300.00 ug/L				
HW40-PF	Nickel	1.40		ug/L	300.00 ug/L				
HW40	Potassium	2,000.00	U	ug/L					
HW40-F	Potassium	2,000.00	U	ug/L					
HW40-P	Potassium	2,000.00	U	ug/L					
HW40-PF	Potassium	2,000.00	U	ug/L					
HW40	Selenium	5.00	U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW40-F	Selenium	5.00	U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW40-P	Selenium	5.00	U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW40-PF	Selenium	5.00	U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW40	Silver	1.00	U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW40-F	Silver	1.00	U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW40-P	Silver	1.00	U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW40-PF	Silver	1.00	U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW40	Sodium	**21,700.00**		ug/L	20,000.00 ug/L				
HW40-F	Sodium	**21,600.00**		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	
HW40-P	Sodium	**21,200.00**		ug/L	20,000.00	ug/L								
HW40-PF	Sodium	**21,200.00**		ug/L	20,000.00	ug/L								
HW40	Strontium	531.00		ug/L	9,300.00	ug/L								
HW40-F	Strontium	527.00		ug/L	9,300.00	ug/L								
HW40-P	Strontium	541.00		ug/L	9,300.00	ug/L								
HW40-PF	Strontium	542.00		ug/L	9,300.00	ug/L								
HW40	Thallium	1.00	U	ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW40-F	Thallium	1.00	U	ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW40-P	Thallium	1.00	U	ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW40-PF	Thallium	1.00	U	ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW40	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW40-F	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW40-P	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW40-PF	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW40	Titanium	200.00	U	ug/L										
HW40-F	Titanium	200.00	U	ug/L										
HW40-P	Titanium	200.00	U	ug/L										
HW40-PF	Titanium	200.00	U	ug/L										
HW40	Uranium	1.80		ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW40-F	Uranium	1.90		ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW40-P	Uranium	1.90		ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW40-PF	Uranium	2.10		ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW40	Vanadium	5.00	U	ug/L	78.00	ug/L								
HW40-F	Vanadium	5.00	U	ug/L	78.00	ug/L								
HW40-P	Vanadium	5.00	U	ug/L	78.00	ug/L								
HW40-PF	Vanadium	5.00	U	ug/L	78.00	ug/L								
HW40	Zinc	4.40		ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW40-F	Zinc	3.00		ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW40-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	
HW40-PF	Zinc	2.00		ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW40	Oil and Grease	5.00	U	mg/L										
HW40-P	Oil and Grease	5.00	U	mg/L										
HW40	Total Dissolved Solids	181.00		mg/L					500.00	mg/L			500.00	mg/L
HW40-P	Total Dissolved Solids	143.00		mg/L					500.00	mg/L			500.00	mg/L
HW40	Total Suspended Solids	10.00	U	mg/L										
HW40-P	Total Suspended Solids	10.00	U	mg/L										
HW40	1-Methylnaphthalene	4.76	U	ug/L	97.00	ug/L								
HW40-P	1-Methylnaphthalene	5.00	U	ug/L	97.00	ug/L								
HW40	Acenaphthene	57.10	U	ug/L	400.00	ug/L								
HW40-P	Acenaphthene	60.00	U	ug/L	400.00	ug/L								
HW40	Acenaphthylene	4.76	U	ug/L										
HW40-P	Acenaphthylene	5.00	U	ug/L										
HW40	Acetophenone	4.76	U	ug/L	1,500.00	ug/L								
HW40-P	Acetophenone	5.00	U	ug/L	1,500.00	ug/L								
HW40	Anthracene	4.76	U	ug/L	1,300.00	ug/L								
HW40-P	Anthracene	5.00	U	ug/L	1,300.00	ug/L								
HW40	Atrazine	4.76	U	ug/L	26.00	ug/L	3.00	ug/L			3.00	ug/L		
HW40-P	Atrazine	5.00	U	ug/L	26.00	ug/L	3.00	ug/L			3.00	ug/L		
HW40	Benzo(a)anthracene	4.76	U	ug/L	2.90	ug/L								
HW40-P	Benzo(a)anthracene	5.00	U	ug/L	2.90	ug/L								
HW40	Benzo(a)pyrene	4.76	U	ug/L	0.29	ug/L	0.20	ug/L			0.20	ug/L		
HW40-P	Benzo(a)pyrene	5.00	U	ug/L	0.29	ug/L	0.20	ug/L			0.20	ug/L		
HW40	Biphenyl	4.76	U	ug/L										
HW40-P	Biphenyl	5.00	U	ug/L										
HW40	Bromophenyl-4 Phenyl Ether	57.10	U	ug/L										
HW40-P	Bromophenyl-4 Phenyl Ether	60.00	U	ug/L										
HW40	Butylbenzyl phthalate	4.76	U	ug/L	1,400.00	ug/L								
HW40-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
HW40	Caprolactam	4.76	U	ug/L	7,700.00	ug/L				
HW40-P	Caprolactam	5.00	U	ug/L	7,700.00	ug/L				
HW40	Carbazole	4.76	U	ug/L						
HW40-P	Carbazole	5.00	U	ug/L						
HW40	Chlorobenzenamine-4	4.76	U	ug/L	3.20	ug/L				
HW40-P	Chlorobenzenamine-4	5.00	U	ug/L	3.20	ug/L				
HW40	Chloronaphthalene-2	4.76	U	ug/L	550.00	ug/L				
HW40-P	Chloronaphthalene-2	5.00	U	ug/L	550.00	ug/L				
HW40	Chlorophenol-2	4.76	U	ug/L	71.00	ug/L				
HW40-P	Chlorophenol-2	5.00	U	ug/L	71.00	ug/L				
HW40	Chlorophenyl-4 phenyl ether	4.76	U	ug/L						
HW40-P	Chlorophenyl-4 phenyl ether	5.00	U	ug/L						
HW40	Chrysene	4.76	U	ug/L	290.00	ug/L				
HW40-P	Chrysene	5.00	U	ug/L	290.00	ug/L				
HW40	Cresol, parachloro meta-	4.76	U	ug/L						
HW40-P	Cresol, parachloro meta-	5.00	U	ug/L						
HW40	Cresol-4,6-dinitro-ortho	57.10	U	ug/L						
HW40-P	Cresol-4,6-dinitro-ortho	60.00	U	ug/L						
HW40	Cresol-o	4.76	U	ug/L	720.00	ug/L				
HW40-P	Cresol-o	5.00	U	ug/L	720.00	ug/L				
HW40	Cresol-p	4.76	U	ug/L	72.00	ug/L				
HW40-P	Cresol-p	5.00	U	ug/L	72.00	ug/L				
HW40	Dibenz(a,h)anthracene	4.76	U	ug/L	0.29	ug/L				
HW40-P	Dibenz(a,h)anthracene	5.00	U	ug/L	0.29	ug/L				
HW40	Dibenzofuran	4.76	U	ug/L						
HW40-P	Dibenzofuran	5.00	U	ug/L						
HW40	Dichlorobenzidine-3,3'	4.76	U	ug/L	11.00	ug/L				
HW40-P	Dichlorobenzidine-3,3'	5.00	U	ug/L	11.00	ug/L				
HW40	Dichlorophenol-2,4	4.76	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
HW40-P	Dichlorophenol-2,4	5.00	U	ug/L	35.00	ug/L						
HW40	Dimethylphenol, 2,4-	4.76	U	ug/L	270.00	ug/L						
HW40-P	Dimethylphenol, 2,4-	5.00	U	ug/L	270.00	ug/L						
HW40	Dinitrophenol-2,4	57.10	U	ug/L	30.00	ug/L						
HW40-P	Dinitrophenol-2,4	60.00	U	ug/L	30.00	ug/L						
HW40	Dinitrotoluene-2,4	4.76	U	ug/L								
HW40-P	Dinitrotoluene-2,4	5.00	U	ug/L								
HW40	Dinitrotoluene-2,6	57.10	U	ug/L								
HW40-P	Dinitrotoluene-2,6	60.00	U	ug/L								
HW40	Ether, bis(2-chloroethyl)	4.76	U	ug/L	1.20	ug/L						
HW40-P	Ether, bis(2-chloroethyl)	5.00	U	ug/L	1.20	ug/L						
HW40	Ether-bis(2-chloroisopropyl)	57.10	U	ug/L								
HW40-P	Ether-bis(2-chloroisopropyl)	60.00	U	ug/L								
HW40	Fluoranthene	4.76	U	ug/L	630.00	ug/L						
HW40-P	Fluoranthene	5.00	U	ug/L	630.00	ug/L						
HW40	Fluoranthene benzo(k)	4.76	U	ug/L	29.00	ug/L						
HW40-P	Fluoranthene benzo(k)	5.00	U	ug/L	29.00	ug/L						
HW40	Fluoranthene-benzo(b)	4.76	U	ug/L	5.60	ug/L						
HW40-P	Fluoranthene-benzo(b)	5.00	U	ug/L	5.60	ug/L						
HW40	Fluorene	57.10	U	ug/L	220.00	ug/L						
HW40-P	Fluorene	60.00	U	ug/L	220.00	ug/L						
HW40	Hexachlorobenzene	4.76	U	ug/L	4.20	ug/L	1.00	ug/L		1.00	ug/L	
HW40-P	Hexachlorobenzene	5.00	U	ug/L	4.20	ug/L	1.00	ug/L		1.00	ug/L	
HW40	Hexachlorobutadiene	0.50	U	ug/L	26.00	ug/L						
HW40	Hexachlorobutadiene	4.76	U	ug/L	26.00	ug/L						
HW40-P	Hexachlorobutadiene	0.50	U	ug/L	26.00	ug/L						
HW40-P	Hexachlorobutadiene	5.00	U	ug/L	26.00	ug/L						
HW40	Hexachlorocyclopentadiene	4.76	U	ug/L	22.00	ug/L	50.00	ug/L		50.00	ug/L	
HW40-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
HW40	Hexachloroethane	4.76	U	ug/L	5.10	ug/L						
HW40-P	Hexachloroethane	5.00	U	ug/L	5.10	ug/L						
HW40	Isophorone	4.76	U	ug/L	6,700.00	ug/L						
HW40-P	Isophorone	5.00	U	ug/L	6,700.00	ug/L						
HW40	Methane, bis(2-chloroethoxy)	4.76	U	ug/L	47.00	ug/L						
HW40-P	Methane, bis(2-chloroethoxy)	5.00	U	ug/L	47.00	ug/L						
HW40	Methylnaphthalene-2	4.76	U	ug/L	27.00	ug/L						
HW40-P	Methylnaphthalene-2	5.00	U	ug/L	27.00	ug/L						
HW40	Naphthalene	0.50	U	ug/L	14.00	ug/L						
HW40	Naphthalene	4.76	U	ug/L	14.00	ug/L						
HW40-P	Naphthalene	0.50	U	ug/L	14.00	ug/L						
HW40-P	Naphthalene	5.00	U	ug/L	14.00	ug/L						
HW40	Nitroaniline, ortho	4.76	U	ug/L	150.00	ug/L						
HW40-P	Nitroaniline, ortho	5.00	U	ug/L	150.00	ug/L						
HW40	Nitroaniline-3	4.76	U	ug/L								
HW40-P	Nitroaniline-3	5.00	U	ug/L								
HW40	Nitrobenzenamine-4	4.76	U	ug/L	61.00	ug/L						
HW40-P	Nitrobenzenamine-4	5.00	U	ug/L	61.00	ug/L						
HW40	Nitrobenzene	4.76	U	ug/L	12.00	ug/L						
HW40-P	Nitrobenzene	5.00	U	ug/L	12.00	ug/L						
HW40	Nitrophenol-2	4.76	U	ug/L								
HW40-P	Nitrophenol-2	5.00	U	ug/L								
HW40	Nitrophenol-4	9.52	U	ug/L								
HW40-P	Nitrophenol-4	10.00	U	ug/L								
HW40	Nitrosodimethylamine-n	4.76	U	ug/L	0.04	ug/L						
HW40-P	Nitrosodimethylamine-n	5.00	U	ug/L	0.04	ug/L						
HW40	Nitrosodiphenylamine-n	4.76	U	ug/L	1,000.00	ug/L						
HW40-P	Nitrosodiphenylamine-n	5.00	U	ug/L	1,000.00	ug/L						
HW40	Pentachlorophenol	57.10	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
HW40-P	Pentachlorophenol	60.00	U	ug/L	17.00	ug/L	1.00	ug/L		1.00	ug/L	
HW40	Perylene-benzo(ghi)	4.76	U	ug/L								
HW40-P	Perylene-benzo(ghi)	5.00	U	ug/L								
HW40	Phenanthrene	57.10	U	ug/L								
HW40-P	Phenanthrene	60.00	U	ug/L								
HW40	Phenol	4.76	U	ug/L	4,500.00	ug/L						
HW40-P	Phenol	5.00	U	ug/L	4,500.00	ug/L						
HW40	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U	ug/L	7.10	ug/L	6.00	ug/L		6.00	ug/L	
HW40-P	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U	ug/L	7.10	ug/L	6.00	ug/L		6.00	ug/L	
HW40	Phthalate, Dimethyl	4.76	U	ug/L	1,400.00	ug/L						
HW40-P	Phthalate, Dimethyl	5.00	U	ug/L	1,400.00	ug/L						
HW40	Phthalate, di-n-butyl-	5.00	U	ug/L	670.00	ug/L						
HW40-P	Phthalate, di-n-butyl-	5.00	U	ug/L	670.00	ug/L						
HW40	Phthalate, di-n-octyl	4.76	U	ug/L								
HW40-P	Phthalate, di-n-octyl	5.00	U	ug/L								
HW40	Phthalate-diethyl	5.00	U	ug/L	11,000.00	ug/L						
HW40-P	Phthalate-diethyl	5.00	U	ug/L	11,000.00	ug/L						
HW40	Propylamine,n-nitroso di-n-	4.76	U	ug/L	0.93	ug/L						
HW40-P	Propylamine,n-nitroso di-n-	5.00	U	ug/L	0.93	ug/L						
HW40	Pyrene	57.10	U	ug/L	87.00	ug/L						
HW40-P	Pyrene	60.00	U	ug/L	87.00	ug/L						
HW40	Pyrene-indeno(1,2,3-cd)	4.76	U	ug/L	3.00	ug/L						
HW40-P	Pyrene-indeno(1,2,3-cd)	5.00	U	ug/L	3.00	ug/L						
HW40	Tetrachlorobenzene, 1,2,4,5-	4.76	U	ug/L	1.20	ug/L						
HW40-P	Tetrachlorobenzene, 1,2,4,5-	5.00	U	ug/L	1.20	ug/L						
HW40	Tetrachlorophenol, 2,3,4,6-	4.76	U	ug/L	170.00	ug/L						
HW40-P	Tetrachlorophenol, 2,3,4,6-	5.00	U	ug/L	170.00	ug/L						
HW40	Trichlorophenol-2,4,5	4.76	U	ug/L	890.00	ug/L						
HW40-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
HW40	Trichlorophenol-2,4,6	4.76	U	ug/L	9.04 ug/L				
HW40-P	Trichlorophenol-2,4,6	5.00	U	ug/L	9.04 ug/L				
HW40	TPH - Diesel Range Organics	240.00	U	ug/L					
HW40-P	TPH - Diesel Range Organics	250.00	U	ug/L					
HW40	TPH - Gasoline Range Organics	50.00	U	ug/L					
HW40-P	TPH - Gasoline Range Organics	50.00	U	ug/L					
HW40	TPH - Oil Range Organics	950.00	U	ug/L					
HW40-P	TPH - Oil Range Organics	1,000.00	U	ug/L					
HW40	1,2-Dibromo-3-chloropropane (DBCP)	0.50	U	ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW40-P	1,2-Dibromo-3-chloropropane (DBCP)	0.50	U	ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW40	4-Methyl-2-pentanone	2.00	U	ug/L	1,000.00 ug/L				
HW40-P	4-Methyl-2-pentanone	2.00	U	ug/L	1,000.00 ug/L				
HW40	Acetone	2.00	U	ug/L					
HW40-P	Acetone	2.00	U	ug/L					
HW40	Benzene	0.50	U	ug/L		5.00 ug/L		5.00 ug/L	
HW40-P	Benzene	0.50	U	ug/L		5.00 ug/L		5.00 ug/L	
HW40	Bromobenzene	0.50	U	ug/L					
HW40-P	Bromobenzene	0.50	U	ug/L					
HW40	Bromoform	0.50	U	ug/L		80.00 ug/L		80.00 ug/L	
HW40-P	Bromoform	0.50	U	ug/L		80.00 ug/L		80.00 ug/L	
HW40	Butylbenzene	0.50	U	ug/L					
HW40-P	Butylbenzene	0.50	U	ug/L					
HW40	Butylbenzene, sec-	0.50	U	ug/L					
HW40-P	Butylbenzene, sec-	0.50	U	ug/L					
HW40	Butylbenzene, tert-	0.50	U	ug/L					
HW40-P	Butylbenzene, tert-	0.50	U	ug/L					
HW40	Carbon disulfide	0.50	U	ug/L					
HW40-P	Carbon disulfide	0.50	U	ug/L					
HW40	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
HW40-P	Carbon Tetrachloride	0.50	U	ug/L		5.00 ug/L		5.00 ug/L	
HW40	Chlorobenzene	0.50	U	ug/L		100.00 ug/L			
HW40-P	Chlorobenzene	0.50	U	ug/L		100.00 ug/L			
HW40	Chlorobromomethane	0.50	U	ug/L					
HW40-P	Chlorobromomethane	0.50	U	ug/L					
HW40	Chloroethane	0.50	U	ug/L					
HW40-P	Chloroethane	0.50	U	ug/L					
HW40	Chloroform	0.50	U	ug/L		80.00 ug/L		80.00 ug/L	
HW40-P	Chloroform	0.50	U	ug/L		80.00 ug/L		80.00 ug/L	
HW40	Chlorotoluene	0.50	U	ug/L	180.00 ug/L				
HW40-P	Chlorotoluene	0.50	U	ug/L	180.00 ug/L				
HW40	Chlorotoluene-p	0.50	U	ug/L	190.00 ug/L				
HW40-P	Chlorotoluene-p	0.50	U	ug/L	190.00 ug/L				
HW40	Cyclohexane	0.50	UJ	ug/L					
HW40-P	Cyclohexane	0.50	UJ	ug/L					
HW40	Dibromochloromethane	0.50	U	ug/L		80.00 ug/L		80.00 ug/L	
HW40-P	Dibromochloromethane	0.50	U	ug/L		80.00 ug/L		80.00 ug/L	
HW40	Dibromoethane-1,2	0.50	U	ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW40-P	Dibromoethane-1,2	0.50	U	ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW40	Dibromomethane	0.50	U	ug/L					
HW40-P	Dibromomethane	0.50	U	ug/L					
HW40	Dichlorobenzene-1,2	0.50	U	ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW40-P	Dichlorobenzene-1,2	0.50	U	ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW40	Dichlorobenzene-1,3	0.50	U	ug/L					
HW40-P	Dichlorobenzene-1,3	0.50	U	ug/L					
HW40	Dichlorobenzene-1,4	0.50	U	ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW40-P	Dichlorobenzene-1,4	0.50	U	ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW40	Dichlorobromomethane	0.50	U	ug/L		80.00 ug/L		80.00 ug/L	
HW40-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
HW40	Dichlorodifluoromethane	0.50	U	ug/L								
HW40-P	Dichlorodifluoromethane	0.50	U	ug/L								
HW40	Dichloroethane-1,1	0.50	U	ug/L	240.00	ug/L						
HW40-P	Dichloroethane-1,1	0.50	U	ug/L	240.00	ug/L						
HW40	Dichloroethane-1,2	0.50	U	ug/L	15.00	ug/L	5.00	ug/L		5.00	ug/L	
HW40-P	Dichloroethane-1,2	0.50	U	ug/L	15.00	ug/L	5.00	ug/L		5.00	ug/L	
HW40	Dichloroethene-1,2 trans	0.50	U	ug/L			100.00	ug/L		100.00	ug/L	
HW40-P	Dichloroethene-1,2 trans	0.50	U	ug/L			100.00	ug/L		100.00	ug/L	
HW40	Dichloroethylene-1,1	0.50	U	ug/L			7.00	ug/L		7.00	ug/L	
HW40-P	Dichloroethylene-1,1	0.50	U	ug/L			7.00	ug/L		7.00	ug/L	
HW40	Dichloroethylene-1,2 cis	0.50	U	ug/L			70.00	ug/L		70.00	ug/L	
HW40-P	Dichloroethylene-1,2 cis	0.50	U	ug/L			70.00	ug/L		70.00	ug/L	
HW40	Dichloropropane, 1,2-	0.50	U	ug/L	38.00	ug/L	5.00	ug/L		5.00	ug/L	
HW40-P	Dichloropropane, 1,2-	0.50	U	ug/L	38.00	ug/L	5.00	ug/L		5.00	ug/L	
HW40	Dichloropropane, 1,3-	0.50	U	ug/L	290.00	ug/L						
HW40-P	Dichloropropane, 1,3-	0.50	U	ug/L	290.00	ug/L						
HW40	Dichloropropane, 2,2-	0.50	U	ug/L								
HW40-P	Dichloropropane, 2,2-	0.50	U	ug/L								
HW40	Dichloropropene, 1,1-	0.50	U	ug/L								
HW40-P	Dichloropropene, 1,1-	0.50	U	ug/L								
HW40	Dichloropropene, 1,3 cis-	0.50	U	ug/L								
HW40-P	Dichloropropene, 1,3 cis-	0.50	U	ug/L								
HW40	Dichloropropene, 1,3 trans-	0.50	U	ug/L								
HW40-P	Dichloropropene, 1,3 trans-	0.50	U	ug/L								
HW40	Ethylbenzene	0.50	U	ug/L			700.00	ug/L		700.00	ug/L	
HW40-P	Ethylbenzene	0.50	U	ug/L			700.00	ug/L		700.00	ug/L	
HW40	Freon 113	0.50	UJ	ug/L								
HW40-P	Freon 113	0.50	UJ	ug/L								
HW40	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	
HW40-P	Hexanone, 2-	2.00	U	ug/L	34.00	ug/L								
HW40	Isopropylbenzene	0.50	U	ug/L										
HW40-P	Isopropylbenzene	0.50	U	ug/L										
HW40	Isopropylbenzene-4,methyl-1	0.50	U	ug/L										
HW40-P	Isopropylbenzene-4,methyl-1	0.50	U	ug/L										
HW40	m,p-Xylene	1.00	U	ug/L			10,000.00	ug/L			10,000.00	ug/L		
HW40-P	m,p-Xylene	1.00	U	ug/L			10,000.00	ug/L			10,000.00	ug/L		
HW40	Methyl acetate	0.50	UJ	ug/L										
HW40-P	Methyl acetate	0.50	UJ	ug/L										
HW40	Methyl bromide	0.50	U	ug/L										
HW40-P	Methyl bromide	0.50	U	ug/L										
HW40	Methyl chloride	0.50	U	ug/L										
HW40-P	Methyl chloride	0.50	U	ug/L										
HW40	Methyl cyclohexane	0.50	UJ	ug/L										
HW40-P	Methyl cyclohexane	0.50	UJ	ug/L										
HW40	Methyl ethyl ketone	2.00	U	ug/L	4,900.00	ug/L								
HW40-P	Methyl ethyl ketone	2.00	U	ug/L	4,900.00	ug/L								
HW40	Methyl tertiary butyl ether (MTBE)	0.50	UJ	ug/L										
HW40-P	Methyl tertiary butyl ether (MTBE)	0.50	UJ	ug/L										
HW40	Methylene chloride	0.50	U	ug/L			5.00	ug/L			5.00	ug/L		
HW40-P	Methylene chloride	0.50	U	ug/L			5.00	ug/L			5.00	ug/L		
HW40	Propylbenzene-n	0.50	U	ug/L										
HW40-P	Propylbenzene-n	0.50	U	ug/L										
HW40	Styrene	1.00	UJ	ug/L			100.00	ug/L			100.00	ug/L		
HW40-P	Styrene	1.00	UJ	ug/L			100.00	ug/L			100.00	ug/L		
HW40	Tetrachloroethane, 1,1,1,2-	0.50	U	ug/L	50.00	ug/L								
HW40-P	Tetrachloroethane, 1,1,1,2-	0.50	U	ug/L	50.00	ug/L								
HW40	Tetrachloroethane, 1,1,2,2-	0.50	U	ug/L	6.60	ug/L								
HW40-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
HW40	Tetrachloroethylene	0.50	U	ug/L			5.00	ug/L		5.00	ug/L	
HW40-P	Tetrachloroethylene	0.50	U	ug/L			5.00	ug/L		5.00	ug/L	
HW40	Toluene	0.50	U	ug/L			1,000.00	ug/L		1,000.00	ug/L	
HW40-P	Toluene	0.50	U	ug/L			1,000.00	ug/L		1,000.00	ug/L	
HW40	Trichlorobenzene-1,2,3	0.50	U	ug/L	5.20	ug/L						
HW40-P	Trichlorobenzene-1,2,3	0.50	U	ug/L	5.20	ug/L						
HW40	Trichlorobenzene-1,2,4	0.50	U	ug/L	5.20	ug/L	70.00	ug/L		70.00	ug/L	
HW40-P	Trichlorobenzene-1,2,4	0.50	U	ug/L	5.20	ug/L	70.00	ug/L		70.00	ug/L	
HW40	Trichloroethane-1,1,1	0.50	U	ug/L	7,500.00	ug/L	200.00	ug/L		200.00	ug/L	
HW40-P	Trichloroethane-1,1,1	0.50	U	ug/L	7,500.00	ug/L	200.00	ug/L		200.00	ug/L	
HW40	Trichloroethane-1,1,2	0.50	U	ug/L	0.41	ug/L	5.00	ug/L		5.00	ug/L	
HW40-P	Trichloroethane-1,1,2	0.50	U	ug/L	0.41	ug/L	5.00	ug/L		5.00	ug/L	
HW40	Trichloroethylene	0.50	U	ug/L			5.00	ug/L		5.00	ug/L	
HW40-P	Trichloroethylene	0.50	U	ug/L			5.00	ug/L		5.00	ug/L	
HW40	Trichlorofluoromethane	0.50	U	ug/L								
HW40-P	Trichlorofluoromethane	0.50	U	ug/L								
HW40	Trichloropropane-1,2,3	0.50	U	ug/L	0.07	ug/L						
HW40-P	Trichloropropane-1,2,3	0.50	U	ug/L	0.07	ug/L						
HW40	Trimethylbenzene-1,2,4	0.50	U	ug/L	15.00	ug/L						
HW40-P	Trimethylbenzene-1,2,4	0.50	U	ug/L	15.00	ug/L						
HW40	Trimethylbenzene-1,3,5	0.50	U	ug/L	87.00	ug/L						
HW40-P	Trimethylbenzene-1,3,5	0.50	U	ug/L	87.00	ug/L						
HW40	Vinyl acetate	0.50	U	ug/L								
HW40-P	Vinyl acetate	0.50	U	ug/L								
HW40	Vinyl chloride	0.50	U	ug/L			2.00	ug/L		2.00	ug/L	
HW40-P	Vinyl chloride	0.50	U	ug/L			2.00	ug/L		2.00	ug/L	
HW40	Xylene-o	1.00	UJ	ug/L			10,000.00	ug/L		10,000.00	ug/L	
HW40-P	Xylene-o	1.00	UJ	ug/L			10,000.00	ug/L		10,000.00	ug/L	
HW40	Nitrogen, Nitrite + Nitrate	1.44		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
HW40-P	Nitrogen, Nitrite + Nitrate	1.45	mg/L		10.00 mg/L		10.00 mg/L	
HW40	Total Nitrogen	1.44	mg/L					
HW40-P	Total Nitrogen	1.41	mg/L					
HW40	Total Phosphorus as P	0.05 U	mg/L					
HW40-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.