HW-22
EPA Validated Data Summary Report
Dimock Residential Sampling
Sample Date: 2/9/2012

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW22	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW22-P	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW22	1-Propanol	10,000.00	U	ug/L						
HW22-P	1-Propanol	10,000.00	U	ug/L						
HW22	2-Butanol	10,000.00	U	ug/L						
HW22-P	2-Butanol	10,000.00	U	ug/L						
HW22	Ethanol	10,000.00	U	ug/L						
HW22-P	Ethanol	10,000.00	U	ug/L						
HW22	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW22-P	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW22	Anionic Surfactants	0.01	U	mg/L						
HW22-P	Anionic Surfactants	0.01	U	mg/L						
HW22	Heterotrophic Plate Count		R	cfu/1mL						
HW22-P	Heterotrophic Plate Count		R	cfu/1mL						
HW22	Total Coliform Bacteria	1.00	U	cfu/100mL	0.00	cfu/100mL	5.00 %*			
HW22-P	Total Coliform Bacteria	1.00	U	cfu/100mL	0.00	cfu/100mL	5.00 %*			
HW22	Ethane	11.00		ug/L						
HW22-P	Ethane	17.00		ug/L						
HW22	Ethene	1.10	U	ug/L						
HW22-P	Ethene	1.10	U	ug/L						
HW22	Methane	17,000.00		ug/L	28,000.00	ug/L				
HW22-P	Methane	13,000.00		ug/L	28,000.00	ug/L				
HW22	2-Butoxyethanol	5.00	U	ug/L						
HW22-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	
HW22	2-Methoxyethanol		R	ug/L	78.00	ug/L								
HW22	2-Methoxyethanol	10.00	U	ug/L	78.00	ug/L								
HW22-P	2-Methoxyethanol	10.00	U	ug/L	78.00	ug/L								
HW22-P	2-Methoxyethanol		R	ug/L	78.00	ug/L								
HW22	Diethylene Glycol	25.00	U	ug/L	8,000.00	ug/L								
HW22-P	Diethylene Glycol	25.00	U	ug/L	8,000.00	ug/L								
HW22	Ethylene Glycol	10.00	U	mg/L	31,000.00	ug/L								
HW22-P	Ethylene Glycol	10.00	U	mg/L	31,000.00	ug/L								
HW22	Tetraethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW22-P	Tetraethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW22	Triethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW22-P	Triethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW22	Bromide	0.50	U	mg/L										
HW22-P	Bromide	0.50	U	mg/L										
HW22	Chloride	17.90		mg/L					250.00	mg/L			250.00	mg/L
HW22-P	Chloride	17.00		mg/L					250.00	mg/L			250.00	mg/L
HW22	Fluoride	0.10	U	mg/L	0.62	mg/L	4.00	mg/L	2.00	mg/L	2.00	mg/L		
HW22-P	Fluoride	0.10	U	mg/L	0.62	mg/L	4.00	mg/L	2.00	mg/L	2.00	mg/L		
HW22	Sulfate	3.98		mg/L					250.00	mg/L			250.00	mg/L
HW22-P	Sulfate	3.52		mg/L					250.00	mg/L			250.00	mg/L
HW22	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW22-F	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW22-P	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW22-PF	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW22	Aluminum	5,220.00		ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW22-F	Aluminum	30.00	U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW22-P	Aluminum	2,680.00		ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW22-PF	Aluminum	30.00	U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW22	Antimony	2.00	U	ug/L	6.00	ug/L	6.00	ug/L			6.00	ug/L		

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs		EPA Secondary MCLs	DEP Primary MCLs		DEP Secondary MCLs
HW22-F	Antimony	2.00	U	ug/L	6.00	ug/L	6.00	ug/L		6.00	ug/L	
HW22-P	Antimony	2.00	U	ug/L	6.00	ug/L	6.00	ug/L		6.00	ug/L	
HW22-PF	Antimony	2.00	U	ug/L	6.00	ug/L	6.00	ug/L		6.00	ug/L	
HW22	Arsenic	**7.10**		ug/L	4.50	ug/L	10.00	ug/L		10.00	ug/L	
HW22-F	Arsenic	1.00		ug/L	4.50	ug/L	10.00	ug/L		10.00	ug/L	
HW22-P	Arsenic	3.80		ug/L	4.50	ug/L	10.00	ug/L		10.00	ug/L	
HW22-PF	Arsenic	1.20		ug/L	4.50	ug/L	10.00	ug/L		10.00	ug/L	
HW22	Barium	516.00		ug/L	2,900.00	ug/L	2,000.00	ug/L		2,000.00	ug/L	
HW22-F	Barium	376.00		ug/L	2,900.00	ug/L	2,000.00	ug/L		2,000.00	ug/L	
HW22-P	Barium	511.00		ug/L	2,900.00	ug/L	2,000.00	ug/L		2,000.00	ug/L	
HW22-PF	Barium	452.00		ug/L	2,900.00	ug/L	2,000.00	ug/L		2,000.00	ug/L	
HW22	Beryllium	1.00	U	ug/L	16.00	ug/L	4.00	ug/L		4.00	ug/L	
HW22-F	Beryllium	1.00	U	ug/L	16.00	ug/L	4.00	ug/L		4.00	ug/L	
HW22-P	Beryllium	1.00	U	ug/L	16.00	ug/L	4.00	ug/L		4.00	ug/L	
HW22-PF	Beryllium	1.00	U	ug/L	16.00	ug/L	4.00	ug/L		4.00	ug/L	
HW22	Boron	50.00	U	ug/L	3,100.00	ug/L						
HW22-F	Boron	50.00	U	ug/L	3,100.00	ug/L						
HW22-P	Boron	50.00	U	ug/L	3,100.00	ug/L						
HW22-PF	Boron	50.00	U	ug/L	3,100.00	ug/L						
HW22	Cadmium	1.00	U	ug/L	6.90	ug/L	5.00	ug/L		5.00	ug/L	
HW22-F	Cadmium	1.00	U	ug/L	6.90	ug/L	5.00	ug/L		5.00	ug/L	
HW22-P	Cadmium	1.00	U	ug/L	6.90	ug/L	5.00	ug/L		5.00	ug/L	
HW22-PF	Cadmium	1.00	U	ug/L	6.90	ug/L	5.00	ug/L		5.00	ug/L	
HW22	Calcium	27,900.00		ug/L								
HW22-F	Calcium	27,500.00		ug/L								
HW22-P	Calcium	26,500.00		ug/L								
HW22-PF	Calcium	27,100.00		ug/L								
HW22	Chromium	**4.90**		ug/L	3.10	ug/L	100.00	ug/L		100.00	ug/L	
HW22-F	Chromium	2.00	U	ug/L	3.10	ug/L	100.00	ug/L		100.00	ug/L	

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs		EPA Secondary MCLs		DEP Primary MCLs		DEP Secondary MCLs	
HW22-P	Chromium	2.50		ug/L	3.10	ug/L	100.00	ug/L			100.00	ug/L		
HW22-PF	Chromium	2.00	U	ug/L	3.10	ug/L	100.00	ug/L			100.00	ug/L		
HW22	Cobalt	3.80		ug/L	4.70	ug/L								
HW22-F	Cobalt	1.00	U	ug/L	4.70	ug/L								
HW22-P	Cobalt	1.80		ug/L	4.70	ug/L								
HW22-PF	Cobalt	1.00	U	ug/L	4.70	ug/L								
HW22	Copper	14.00		ug/L	620.00	ug/L	1,300.00	ug/L**	1,000.00	ug/L	1,000.00	ug/L***		
HW22-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***		
HW22-P	Copper	6.10		ug/L	620.00	ug/L	1,300.00	ug/L**	1,000.00	ug/L	1,000.00	ug/L***		
HW22-PF	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***		
HW22	Iron	8,530.00		ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW22-F	Iron	159.00		ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW22-P	Iron	4,030.00		ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW22-PF	Iron	386.00		ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW22	Lead	**22.70**		ug/L	15.00	ug/L	15.00	ug/L**			5.00	ug/L***		
HW22-F	Lead	1.00	U	ug/L	15.00	ug/L	15.00	ug/L**			5.00	ug/L***		
HW22-P	Lead	8.10		ug/L	15.00	ug/L	15.00	ug/L**			5.00	ug/L***		
HW22-PF	Lead	1.00	U	ug/L	15.00	ug/L	15.00	ug/L**			5.00	ug/L***		
HW22	Lithium	200.00	U	ug/L	31.00	ug/L								
HW22-F	Lithium	200.00	U	ug/L	31.00	ug/L								
HW22-P	Lithium	200.00	U	ug/L	31.00	ug/L								
HW22-PF	Lithium	200.00	U	ug/L	31.00	ug/L								
HW22	Magnesium	6,510.00		ug/L										
HW22-F	Magnesium	5,160.00		ug/L										
HW22-P	Magnesium	5,630.00		ug/L										
HW22-PF	Magnesium	5,150.00		ug/L										
HW22	Manganese	**635.00**		ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW22-F	Manganese	**361.00**		ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW22-P	Manganese	**460.00**		ug/L	320.00	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	
HW22-PF	Manganese	313.00		ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW22	Nickel	7.70		ug/L	300.00	ug/L								
HW22-F	Nickel	1.20		ug/L	300.00	ug/L								
HW22-P	Nickel	4.00		ug/L	300.00	ug/L								
HW22-PF	Nickel	1.20		ug/L	300.00	ug/L								
HW22	Potassium	2,690.00		ug/L										
HW22-F	Potassium	2,000.00	U	ug/L										
HW22-P	Potassium	2,100.00		ug/L										
HW22-PF	Potassium	2,000.00	U	ug/L										
HW22	Selenium	5.00	U	ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW22-F	Selenium	5.00	U	ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW22-P	Selenium	5.00	U	ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW22-PF	Selenium	5.00	U	ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW22	Silver	1.00	U	ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW22-F	Silver	1.00	U	ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW22-P	Silver	1.00	U	ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW22-PF	Silver	1.00	U	ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW22	Sodium	18,000.00		ug/L	20,000.00	ug/L								
HW22-F	Sodium	18,100.00		ug/L	20,000.00	ug/L								
HW22-P	Sodium	19,000.00		ug/L	20,000.00	ug/L								
HW22-PF	Sodium	19,300.00		ug/L	20,000.00	ug/L								
HW22	Strontium	433.00		ug/L	9,300.00	ug/L								
HW22-F	Strontium	426.00		ug/L	9,300.00	ug/L								
HW22-P	Strontium	503.00		ug/L	9,300.00	ug/L								
HW22-PF	Strontium	507.00		ug/L	9,300.00	ug/L								
HW22	Thallium	1.00	U	ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW22-F	Thallium	1.00	U	ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW22-P	Thallium	1.00	U	ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW22-PF	Thallium	1.00	U	ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs		EPA Secondary MCLs		DEP Primary MCLs		DEP Secondary MCLs	
HW22	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW22-F	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW22-P	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW22-PF	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW22	Titanium	200.00	U	ug/L										
HW22-F	Titanium	200.00	U	ug/L										
HW22-P	Titanium	200.00	U	ug/L										
HW22-PF	Titanium	200.00	U	ug/L										
HW22	Uranium	1.70		ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW22-F	Uranium	1.10		ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW22-P	Uranium	1.30		ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW22-PF	Uranium	1.00		ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW22	Vanadium	5.80		ug/L	78.00	ug/L								
HW22-F	Vanadium	5.00	U	ug/L	78.00	ug/L								
HW22-P	Vanadium	5.00	U	ug/L	78.00	ug/L								
HW22-PF	Vanadium	5.00	U	ug/L	78.00	ug/L								
HW22	Zinc	33.20		ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW22-F	Zinc	2.50		ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW22-P	Zinc	12.30		ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW22-PF	Zinc	2.00	U	ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW22	Oil and Grease	5.40	UJ	mg/L										
HW22-P	Oil and Grease	5.40	UJ	mg/L										
HW22	Total Dissolved Solids	120.00		mg/L					500.00	mg/L			500.00	mg/L
HW22-P	Total Dissolved Solids	130.00		mg/L					500.00	mg/L			500.00	mg/L
HW22	Total Suspended Solids	141.00		mg/L										
HW22-P	Total Suspended Solids	45.00		mg/L										
HW22	1-Methylnaphthalene	4.76	U	ug/L	97.00	ug/L								
HW22-P	1-Methylnaphthalene	5.00	U	ug/L	97.00	ug/L								
HW22	Acenaphthene	4.76	U	ug/L	400.00	ug/L								

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs		EPA Secondary MCLs	DEP Primary MCLs		DEP Secondary MCLs
HW22-P	Acenaphthene	5.00	U	ug/L	400.00	ug/L						
HW22	Acenaphthylene	4.76	U	ug/L								
HW22-P	Acenaphthylene	5.00	U	ug/L								
HW22	Acetophenone	4.76	U	ug/L	1,500.00	ug/L						
HW22-P	Acetophenone	5.00	U	ug/L	1,500.00	ug/L						
HW22	Anthracene	4.76	U	ug/L	1,300.00	ug/L						
HW22-P	Anthracene	5.00	U	ug/L	1,300.00	ug/L						
HW22	Atrazine	4.76	U	ug/L	26.00	ug/L	3.00	ug/L		3.00	ug/L	
HW22-P	Atrazine	5.00	U	ug/L	26.00	ug/L	3.00	ug/L		3.00	ug/L	
HW22	Benzo(a)anthracene	4.76	U	ug/L	2.90	ug/L						
HW22-P	Benzo(a)anthracene	5.00	U	ug/L	2.90	ug/L						
HW22	Benzo(a)pyrene	4.76	U	ug/L	0.29	ug/L	0.20	ug/L		0.20	ug/L	
HW22-P	Benzo(a)pyrene	5.00	U	ug/L	0.29	ug/L	0.20	ug/L		0.20	ug/L	
HW22	Biphenyl	4.76	U	ug/L								
HW22-P	Biphenyl	5.00	U	ug/L								
HW22	Bromophenyl-4 Phenyl Ether	4.76	U	ug/L								
HW22-P	Bromophenyl-4 Phenyl Ether	5.00	U	ug/L								
HW22	Butylbenzyl phthalate	4.76	U	ug/L	1,400.00	ug/L						
HW22-P	Butylbenzyl phthalate	5.00	U	ug/L	1,400.00	ug/L						
HW22	Caprolactam	4.76	U	ug/L	7,700.00	ug/L						
HW22-P	Caprolactam	5.00	U	ug/L	7,700.00	ug/L						
HW22	Carbazole	4.76	U	ug/L								
HW22-P	Carbazole	5.00	U	ug/L								
HW22	Chlorobenzenamine-4	4.76	UJ	ug/L	3.20	ug/L						
HW22-P	Chlorobenzenamine-4	5.00	UJ	ug/L	3.20	ug/L						
HW22	Chloronaphthalene-2	4.76	U	ug/L	550.00	ug/L						
HW22-P	Chloronaphthalene-2	5.00	U	ug/L	550.00	ug/L						
HW22	Chlorophenol-2	4.76	U	ug/L	71.00	ug/L						
HW22-P	Chlorophenol-2	5.00	U	ug/L	71.00	ug/L						

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW22	Chlorophenyl-4 phenyl ether	4.76	U	ug/L						
HW22-P	Chlorophenyl-4 phenyl ether	5.00	U	ug/L						
HW22	Chrysene	4.76	U	ug/L	290.00	ug/L				
HW22-P	Chrysene	5.00	U	ug/L	290.00	ug/L				
HW22	Cresol, parachloro meta-	4.76	U	ug/L						
HW22-P	Cresol, parachloro meta-	5.00	U	ug/L						
HW22	Cresol-4,6-dinitro-ortho	9.52	UJ	ug/L						
HW22-P	Cresol-4,6-dinitro-ortho	10.00	UJ	ug/L						
HW22	Cresol-o	4.76	U	ug/L	720.00	ug/L				
HW22-P	Cresol-o	5.00	U	ug/L	720.00	ug/L				
HW22	Cresol-p	4.76	U	ug/L	72.00	ug/L				
HW22-P	Cresol-p	5.00	U	ug/L	72.00	ug/L				
HW22	Dibenz(a,h)anthracene	4.76	U	ug/L	0.29	ug/L				
HW22-P	Dibenz(a,h)anthracene	5.00	U	ug/L	0.29	ug/L				
HW22	Dibenzofuran	4.76	U	ug/L						
HW22-P	Dibenzofuran	5.00	U	ug/L						
HW22	Dichlorobenzidine-3,3'		R	ug/L	11.00	ug/L				
HW22-P	Dichlorobenzidine-3,3'		R	ug/L	11.00	ug/L				
HW22	Dichlorophenol-2,4	4.76	U	ug/L	35.00	ug/L				
HW22-P	Dichlorophenol-2,4	5.00	U	ug/L	35.00	ug/L				
HW22	Dimethylphenol, 2,4-	4.76	U	ug/L	270.00	ug/L				
HW22-P	Dimethylphenol, 2,4-	5.00	U	ug/L	270.00	ug/L				
HW22	Dinitrophenol-2,4		R	ug/L	30.00	ug/L				
HW22-P	Dinitrophenol-2,4		R	ug/L	30.00	ug/L				
HW22	Dinitrotoluene-2,4	4.76	U	ug/L						
HW22-P	Dinitrotoluene-2,4	5.00	U	ug/L						
HW22	Dinitrotoluene-2,6	4.76	U	ug/L						
HW22-P	Dinitrotoluene-2,6	5.00	U	ug/L						
HW22	Ether, bis(2-chloroethyl)	4.76	U	ug/L	1.20	ug/L				

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs		EPA Secondary MCLs	DEP Primary MCLs		DEP Secondary MCLs
HW22-P	Ether, bis(2-chloroethyl)	5.00	U	ug/L	1.20	ug/L						
HW22	Ether-bis(2-chloroisopropyl)	4.76	U	ug/L								
HW22-P	Ether-bis(2-chloroisopropyl)	5.00	U	ug/L								
HW22	Fluoranthene	4.76	U	ug/L	630.00	ug/L						
HW22-P	Fluoranthene	5.00	U	ug/L	630.00	ug/L						
HW22	Fluoranthene benzo(k)	4.76	U	ug/L	29.00	ug/L						
HW22-P	Fluoranthene benzo(k)	5.00	U	ug/L	29.00	ug/L						
HW22	Fluoranthene-benzo(b)	4.76	U	ug/L	5.60	ug/L						
HW22-P	Fluoranthene-benzo(b)	5.00	U	ug/L	5.60	ug/L						
HW22	Fluorene	4.76	U	ug/L	220.00	ug/L						
HW22-P	Fluorene	5.00	U	ug/L	220.00	ug/L						
HW22	Hexachlorobenzene	4.76	U	ug/L	4.20	ug/L	1.00	ug/L		1.00	ug/L	
HW22-P	Hexachlorobenzene	5.00	U	ug/L	4.20	ug/L	1.00	ug/L		1.00	ug/L	
HW22	Hexachlorobutadiene	0.50	U	ug/L	26.00	ug/L						
HW22	Hexachlorobutadiene	4.76	U	ug/L	26.00	ug/L						
HW22-P	Hexachlorobutadiene	5.00	U	ug/L	26.00	ug/L						
HW22-P	Hexachlorobutadiene	0.50	U	ug/L	26.00	ug/L						
HW22	Hexachlorocyclopentadiene	4.76	U	ug/L	22.00	ug/L	50.00	ug/L		50.00	ug/L	
HW22-P	Hexachlorocyclopentadiene	5.00	U	ug/L	22.00	ug/L	50.00	ug/L		50.00	ug/L	
HW22	Hexachloroethane	4.76	U	ug/L	5.10	ug/L						
HW22-P	Hexachloroethane	5.00	U	ug/L	5.10	ug/L						
HW22	Isophorone	4.76	U	ug/L	6,700.00	ug/L						
HW22-P	Isophorone	5.00	U	ug/L	6,700.00	ug/L						
HW22	Methane, bis(2-chloroethoxy)	4.76	U	ug/L	47.00	ug/L						
HW22-P	Methane, bis(2-chloroethoxy)	5.00	U	ug/L	47.00	ug/L						
HW22	Methylnaphthalene-2	4.76	U	ug/L	27.00	ug/L						
HW22-P	Methylnaphthalene-2	5.00	U	ug/L	27.00	ug/L						
HW22	Naphthalene	4.76	U	ug/L	14.00	ug/L						
HW22	Naphthalene	0.50	U	ug/L	14.00	ug/L						

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs		EPA Secondary MCLs	DEP Primary MCLs		DEP Secondary MCLs
HW22-P	Naphthalene	0.50	U	ug/L	14.00	ug/L						
HW22-P	Naphthalene	5.00	U	ug/L	14.00	ug/L						
HW22	Nitroaniline, ortho	4.76	U	ug/L	150.00	ug/L						
HW22-P	Nitroaniline, ortho	5.00	U	ug/L	150.00	ug/L						
HW22	Nitroaniline-3	4.76	U	ug/L								
HW22-P	Nitroaniline-3	5.00	U	ug/L								
HW22	Nitrobenzenamine-4	4.76	U	ug/L	61.00	ug/L						
HW22-P	Nitrobenzenamine-4	5.00	U	ug/L	61.00	ug/L						
HW22	Nitrobenzene	4.76	U	ug/L	12.00	ug/L						
HW22-P	Nitrobenzene	5.00	U	ug/L	12.00	ug/L						
HW22	Nitrophenol-2	4.76	U	ug/L								
HW22-P	Nitrophenol-2	5.00	U	ug/L								
HW22	Nitrophenol-4	9.52	U	ug/L								
HW22-P	Nitrophenol-4	10.00	U	ug/L								
HW22	Nitrosodimethylamine-n	4.76	U	ug/L	0.04	ug/L						
HW22-P	Nitrosodimethylamine-n	5.00	U	ug/L	0.04	ug/L						
HW22	Nitrosodiphenylamine-n	4.76	U	ug/L	1,000.00	ug/L						
HW22-P	Nitrosodiphenylamine-n	5.00	U	ug/L	1,000.00	ug/L						
HW22	Pentachlorophenol	4.76	U	ug/L	17.00	ug/L	1.00	ug/L		1.00	ug/L	
HW22-P	Pentachlorophenol	5.00	U	ug/L	17.00	ug/L	1.00	ug/L		1.00	ug/L	
HW22	Perylene-benzo(ghi)	4.76	U	ug/L								
HW22-P	Perylene-benzo(ghi)	5.00	U	ug/L								
HW22	Phenanthrene	4.76	U	ug/L								
HW22-P	Phenanthrene	5.00	U	ug/L								
HW22	Phenol	4.76	U	ug/L	4,500.00	ug/L						
HW22-P	Phenol	5.00	U	ug/L	4,500.00	ug/L						
HW22	Phthalate, bis(2-ethylhexyl) (DEHP)	4.76	U	ug/L	7.10	ug/L	6.00	ug/L		6.00	ug/L	
HW22-P	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U	ug/L	7.10	ug/L	6.00	ug/L		6.00	ug/L	
HW22	Phthalate, Dimethyl	4.76	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	
HW22-P	Phthalate, Dimethyl	5.00	U	ug/L	1,400.00	ug/L								
HW22	Phthalate, di-n-butyl-	4.76	U	ug/L	670.00	ug/L								
HW22-P	Phthalate, di-n-butyl-	5.00	U	ug/L	670.00	ug/L								
HW22	Phthalate, di-n-octyl	4.76	U	ug/L										
HW22-P	Phthalate, di-n-octyl	5.00	U	ug/L										
HW22	Phthalate-diethyl	4.76	U	ug/L	11,000.00	ug/L								
HW22-P	Phthalate-diethyl	5.00	U	ug/L	11,000.00	ug/L								
HW22	Propylamine,n-nitroso di-n-	4.76	U	ug/L	0.93	ug/L								
HW22-P	Propylamine,n-nitroso di-n-	5.00	U	ug/L	0.93	ug/L								
HW22	Pyrene	4.76	U	ug/L	87.00	ug/L								
HW22-P	Pyrene	5.00	U	ug/L	87.00	ug/L								
HW22	Pyrene-indeno(1,2,3-cd)	4.76	U	ug/L	3.00	ug/L								
HW22-P	Pyrene-indeno(1,2,3-cd)	5.00	U	ug/L	3.00	ug/L								
HW22	Tetrachlorobenzene, 1,2,4,5-	4.76	U	ug/L	1.20	ug/L								
HW22-P	Tetrachlorobenzene, 1,2,4,5-	5.00	U	ug/L	1.20	ug/L								
HW22	Tetrachlorophenol, 2,3,4,6-	4.76	U	ug/L	170.00	ug/L								
HW22-P	Tetrachlorophenol, 2,3,4,6-	5.00	U	ug/L	170.00	ug/L								
HW22	Trichlorophenol-2,4,5	4.76	U	ug/L	890.00	ug/L								
HW22-P	Trichlorophenol-2,4,5	5.00	U	ug/L	890.00	ug/L								
HW22	Trichlorophenol-2,4,6	4.76	U	ug/L	9.04	ug/L								
HW22-P	Trichlorophenol-2,4,6	5.00	U	ug/L	9.04	ug/L								
HW22	TPH - Diesel Range Organics	250.00	U	ug/L										
HW22-P	TPH - Diesel Range Organics	250.00	U	ug/L										
HW22	TPH - Gasoline Range Organics	50.00	U	ug/L										
HW22-P	TPH - Gasoline Range Organics	50.00	U	ug/L										
HW22	TPH - Oil Range Organics	1,000.00	U	ug/L										
HW22-P	TPH - Oil Range Organics	1,000.00	U	ug/L										
HW22	1,2-Dibromo-3-chloropropane (DBCP)	0.50	U	ug/L	0.03	ug/L	0.20	ug/L			0.20	ug/L		
HW22-P	1,2-Dibromo-3-chloropropane (DBCP)	0.50	U	ug/L	0.03	ug/L	0.20	ug/L			0.20	ug/L		

Sample Number	Analyte	Result			Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW22	4-Methyl-2-pentanone	2.00	U	ug/L	1,000.00 ug/L				
HW22-P	4-Methyl-2-pentanone	2.00	U	ug/L	1,000.00 ug/L				
HW22	Acetone	2.00	U	ug/L					
HW22-P	Acetone	2.00	U	ug/L					
HW22	Benzene	0.50	U	ug/L		5.00 ug/L		5.00 ug/L	
HW22-P	Benzene	0.50	U	ug/L		5.00 ug/L		5.00 ug/L	
HW22	Bromobenzene	0.50	U	ug/L					
HW22-P	Bromobenzene	0.50	U	ug/L					
HW22	Bromoform	0.50	U	ug/L		80.00 ug/L		80.00 ug/L	
HW22-P	Bromoform	0.50	U	ug/L		80.00 ug/L		80.00 ug/L	
HW22	Butylbenzene	0.50	U	ug/L					
HW22-P	Butylbenzene	0.50	U	ug/L					
HW22	Butylbenzene, sec-	0.50	U	ug/L					
HW22-P	Butylbenzene, sec-	0.50	U	ug/L					
HW22	Butylbenzene, tert-	0.50	U	ug/L					
HW22-P	Butylbenzene, tert-	0.50	U	ug/L					
HW22	Carbon disulfide	0.50	U	ug/L					
HW22-P	Carbon disulfide	0.50	U	ug/L					
HW22	Carbon Tetrachloride	0.50	U	ug/L		5.00 ug/L		5.00 ug/L	
HW22-P	Carbon Tetrachloride	0.50	U	ug/L		5.00 ug/L		5.00 ug/L	
HW22	Chlorobenzene	0.50	U	ug/L		100.00 ug/L			
HW22-P	Chlorobenzene	0.50	U	ug/L		100.00 ug/L			
HW22	Chlorobromomethane	0.50	U	ug/L					
HW22-P	Chlorobromomethane	0.50	U	ug/L					
HW22	Chloroethane	0.50	U	ug/L					
HW22-P	Chloroethane	0.50	U	ug/L					
HW22	Chloroform	0.50	U	ug/L		80.00 ug/L		80.00 ug/L	
HW22-P	Chloroform	0.50	U	ug/L		80.00 ug/L		80.00 ug/L	
HW22	Chlorotoluene	0.50	U	ug/L	180.00 ug/L				

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs		EPA Secondary MCLs		DEP Primary MCLs		DEP Secondary MCLs	
HW22-P	Chlorotoluene	0.50	U	ug/L	180.00	ug/L								
HW22	Chlorotoluene-p	0.50	U	ug/L	190.00	ug/L								
HW22-P	Chlorotoluene-p	0.50	U	ug/L	190.00	ug/L								
HW22	Cyclohexane	0.50	U	ug/L										
HW22-P	Cyclohexane	0.50	U	ug/L										
HW22	Dibromochloromethane	0.50	U	ug/L			80.00	ug/L			80.00	ug/L		
HW22-P	Dibromochloromethane	0.50	U	ug/L			80.00	ug/L			80.00	ug/L		
HW22	Dibromoethane-1,2	0.50	U	ug/L	0.65	ug/L	0.05	ug/L			0.05	ug/L		
HW22-P	Dibromoethane-1,2	0.50	U	ug/L	0.65	ug/L	0.05	ug/L			0.05	ug/L		
HW22	Dibromomethane	0.50	U	ug/L										
HW22-P	Dibromomethane	0.50	U	ug/L										
HW22	Dichlorobenzene-1,2	0.50	U	ug/L	280.00	ug/L	600.00	ug/L			600.00	ug/L		
HW22-P	Dichlorobenzene-1,2	0.50	U	ug/L	280.00	ug/L	600.00	ug/L			600.00	ug/L		
HW22	Dichlorobenzene-1,3	0.50	U	ug/L										
HW22-P	Dichlorobenzene-1,3	0.50	U	ug/L										
HW22	Dichlorobenzene-1,4	0.50	U	ug/L	42.00	ug/L	75.00	ug/L			75.00	ug/L		
HW22-P	Dichlorobenzene-1,4	0.50	U	ug/L	42.00	ug/L	75.00	ug/L			75.00	ug/L		
HW22	Dichlorobromomethane	0.50	U	ug/L			80.00	ug/L			80.00	ug/L		
HW22-P	Dichlorobromomethane	0.50	U	ug/L			80.00	ug/L			80.00	ug/L		
HW22	Dichlorodifluoromethane	0.50	U	ug/L										
HW22-P	Dichlorodifluoromethane	0.50	U	ug/L										
HW22	Dichloroethane-1,1	0.50	U	ug/L	240.00	ug/L								
HW22-P	Dichloroethane-1,1	0.50	U	ug/L	240.00	ug/L								
HW22	Dichloroethane-1,2	0.50	U	ug/L	15.00	ug/L	5.00	ug/L			5.00	ug/L		
HW22-P	Dichloroethane-1,2	0.50	U	ug/L	15.00	ug/L	5.00	ug/L			5.00	ug/L		
HW22	Dichloroethene-1,2 trans	0.50	U	ug/L			100.00	ug/L			100.00	ug/L		
HW22-P	Dichloroethene-1,2 trans	0.50	U	ug/L			100.00	ug/L			100.00	ug/L		
HW22	Dichloroethylene-1,1	0.50	U	ug/L			7.00	ug/L			7.00	ug/L		
HW22-P	Dichloroethylene-1,1	0.50	U	ug/L			7.00	ug/L			7.00	ug/L		

Sample Number	Analyte	Result			Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW22	Dichloroethylene-1,2 cis	0.50	U	ug/L		70.00 ug/L		70.00 ug/L	
HW22-P	Dichloroethylene-1,2 cis	0.50	U	ug/L		70.00 ug/L		70.00 ug/L	
HW22	Dichloropropane, 1,2-	0.50	U	ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW22-P	Dichloropropane, 1,2-	0.50	U	ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW22	Dichloropropane, 1,3-	0.50	U	ug/L	290.00 ug/L				
HW22-P	Dichloropropane, 1,3-	0.50	U	ug/L	290.00 ug/L				
HW22	Dichloropropane, 2,2-	0.50	U	ug/L					
HW22-P	Dichloropropane, 2,2-	0.50	U	ug/L					
HW22	Dichloropropene, 1,1-	0.50	U	ug/L					
HW22-P	Dichloropropene, 1,1-	0.50	U	ug/L					
HW22	Dichloropropene, 1,3 cis-	0.50	U	ug/L					
HW22-P	Dichloropropene, 1,3 cis-	0.50	U	ug/L					
HW22	Dichloropropene, 1,3 trans-	0.50	U	ug/L					
HW22-P	Dichloropropene, 1,3 trans-	0.50	U	ug/L					
HW22	Ethylbenzene	0.50	U	ug/L		700.00 ug/L		700.00 ug/L	
HW22-P	Ethylbenzene	0.50	U	ug/L		700.00 ug/L		700.00 ug/L	
HW22	Freon 113	0.50	U	ug/L					
HW22-P	Freon 113	0.50	U	ug/L					
HW22	Hexanone, 2-	2.00	U	ug/L	34.00 ug/L				
HW22-P	Hexanone, 2-	2.00	U	ug/L	34.00 ug/L				
HW22	Isopropylbenzene	0.50	U	ug/L					
HW22-P	Isopropylbenzene	0.50	U	ug/L					
HW22	Isopropylbenzene-4,methyl-1	0.50	U	ug/L					
HW22-P	Isopropylbenzene-4,methyl-1	0.50	U	ug/L					
HW22	m,p-Xylene	1.00	U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW22-P	m,p-Xylene	1.00	U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW22	Methyl acetate	0.50	U	ug/L					
HW22-P	Methyl acetate	0.50	U	ug/L					
HW22	Methyl bromide	0.50	U	ug/L					

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs		EPA Secondary MCLs	DEP Primary MCLs		DEP Secondary MCLs
HW22-P	Methyl bromide	0.50	U	ug/L								
HW22	Methyl chloride	0.50	U	ug/L								
HW22-P	Methyl chloride	0.50	U	ug/L								
HW22	Methyl cyclohexane	0.50	U	ug/L								
HW22-P	Methyl cyclohexane	0.50	U	ug/L								
HW22	Methyl ethyl ketone	2.00	U	ug/L	4,900.00	ug/L						
HW22-P	Methyl ethyl ketone	2.00	U	ug/L	4,900.00	ug/L						
HW22	Methyl tertiary butyl ether (MTBE)	0.50	U	ug/L								
HW22-P	Methyl tertiary butyl ether (MTBE)	0.50	U	ug/L								
HW22	Methylene chloride	0.50	U	ug/L			5.00	ug/L		5.00	ug/L	
HW22-P	Methylene chloride	0.50	U	ug/L			5.00	ug/L		5.00	ug/L	
HW22	Propylbenzene-n	0.50	U	ug/L								
HW22-P	Propylbenzene-n	0.50	U	ug/L								
HW22	Styrene	1.00	U	ug/L			100.00	ug/L		100.00	ug/L	
HW22-P	Styrene	1.00	U	ug/L			100.00	ug/L		100.00	ug/L	
HW22	Tetrachloroethane, 1,1,1,2-	0.50	U	ug/L	50.00	ug/L						
HW22-P	Tetrachloroethane, 1,1,1,2-	0.50	U	ug/L	50.00	ug/L						
HW22	Tetrachloroethane, 1,1,2,2-	0.50	U	ug/L	6.60	ug/L						
HW22-P	Tetrachloroethane, 1,1,2,2-	0.50	U	ug/L	6.60	ug/L						
HW22	Tetrachloroethylene	0.50	U	ug/L			5.00	ug/L		5.00	ug/L	
HW22-P	Tetrachloroethylene	0.50	U	ug/L			5.00	ug/L		5.00	ug/L	
HW22	Toluene	0.50	U	ug/L			1,000.00	ug/L		1,000.00	ug/L	
HW22-P	Toluene	0.50	U	ug/L			1,000.00	ug/L		1,000.00	ug/L	
HW22	Trichlorobenzene-1,2,3	0.50	U	ug/L	5.20	ug/L						
HW22-P	Trichlorobenzene-1,2,3	0.50	U	ug/L	5.20	ug/L						
HW22	Trichlorobenzene-1,2,4	0.50	U	ug/L	5.20	ug/L	70.00	ug/L		70.00	ug/L	
HW22-P	Trichlorobenzene-1,2,4	0.50	U	ug/L	5.20	ug/L	70.00	ug/L		70.00	ug/L	
HW22	Trichloroethane-1,1,1	0.50	U	ug/L	7,500.00	ug/L	200.00	ug/L		200.00	ug/L	
HW22-P	Trichloroethane-1,1,1	0.50	U	ug/L	7,500.00	ug/L	200.00	ug/L		200.00	ug/L	

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs		EPA Secondary MCLs	DEP Primary MCLs		DEP Secondary MCLs
HW22	Trichloroethane-1,1,2	0.50	U	ug/L	0.41	ug/L	5.00	ug/L		5.00	ug/L	
HW22-P	Trichloroethane-1,1,2	0.50	U	ug/L	0.41	ug/L	5.00	ug/L		5.00	ug/L	
HW22	Trichloroethylene	0.50	U	ug/L			5.00	ug/L		5.00	ug/L	
HW22-P	Trichloroethylene	0.50	U	ug/L			5.00	ug/L		5.00	ug/L	
HW22	Trichlorofluoromethane	0.50	U	ug/L								
HW22-P	Trichlorofluoromethane	0.50	U	ug/L								
HW22	Trichloropropane-1,2,3	0.50	U	ug/L	0.07	ug/L						
HW22-P	Trichloropropane-1,2,3	0.50	U	ug/L	0.07	ug/L						
HW22	Trimethylbenzene-1,2,4	0.50	U	ug/L	15.00	ug/L						
HW22-P	Trimethylbenzene-1,2,4	0.50	U	ug/L	15.00	ug/L						
HW22	Trimethylbenzene-1,3,5	0.50	U	ug/L	87.00	ug/L						
HW22-P	Trimethylbenzene-1,3,5	0.50	U	ug/L	87.00	ug/L						
HW22	Vinyl acetate	0.50	U	ug/L								
HW22-P	Vinyl acetate	0.50	U	ug/L								
HW22	Vinyl chloride	0.50	U	ug/L			2.00	ug/L		2.00	ug/L	
HW22-P	Vinyl chloride	0.50	U	ug/L			2.00	ug/L		2.00	ug/L	
HW22	Xylene-o	1.00	U	ug/L			10,000.00	ug/L		10,000.00	ug/L	
HW22-P	Xylene-o	1.00	U	ug/L			10,000.00	ug/L		10,000.00	ug/L	
HW22	Nitrogen, Nitrite + Nitrate	0.05	U	mg/L			10.00	mg/L		10.00	mg/L	
HW22-P	Nitrogen, Nitrite + Nitrate	0.05	U	mg/L			10.00	mg/L		10.00	mg/L	
HW22	Total Nitrogen	1.00	U	mg/L								
HW22-P	Total Nitrogen	1.00	U	mg/L								
HW22	Total Phosphorus as P	0.10		mg/L								
HW22-P	Total Phosphorus as P	0.05	U	mg/L								

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs

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

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

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

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

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

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

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

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

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

TPH - Total Petroleum Hydrocarbons

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

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

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

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

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

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

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs

Trigger Level – established for this project, the trigger levels are based on risk-based screening levels and/or standards for public water supplies. A yellow highlighted result represents an analytical result greater than the established trigger level. Results exceeding a trigger level are referred to an EPA toxicologist for further review.
EPA Primary MCLs – the primary maximum contaminant levels (MCLs) are legally enforceable standards established under the Safe Drinking Water Act to protect public health by limiting the levels of contaminants in public drinking water systems. The MCL is the amount of an analyte (substance) that can be present in a water sample that the government considers acceptable to drink. EPA considers the MCLs when evaluating results from residential drinking water wells.
EPA Secondary MCLs - secondary MCLs are non-enforceable standards regulating contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. EPA recommends secondary standards to public water systems, but does not require systems to comply. However, states may choose to adopt them as enforceable standards.
DEP MCLs (Primary and Secondary) – Chapter 109, Pennsylvania Safe Drinking Water Regulations, defines MCL as the maximum permissible level of a contaminant in water which is delivered to a user of a public water system, and includes the primary and secondary MCLs established under the Federal Safe Drinking Water Act, and MCLs adopted under the act.

* No more than 5.0% samples total coliform-positive in a month. (For water systems that collect fewer than 40 routine samples per month, no more than one sample can be total coliform-positive per month.) Every sample that has total coliform must be analyzed for either fecal coliforms or E. coli if two consecutive TC-positive samples, and one is also positive for E.coli fecal coliforms, system has an acute MCL violation.
** EPA has not established an MCL for lead or copper. Lead and copper are regulated by a Treatment Technique that requires public drinking water systems to control the corrosiveness of their water. If more than 10% of tap water samples exceed the action level, water system must take additional steps. For lead, the action level is 15 ug/L, and for copper is 1,300 ug/L.
*** The DEP Primary MCLs for lead (5 ug/L) and copper (1,000 ug/L) are applicable only to bottled, vended, retail and bulk water hauling systems, otherwise the DEP uses the federal action levels for lead (15 ug/L), and for copper (1,300 ug/L).

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

U – Indicates that the analyte was not detected. If there is a number next to the U, this number is the amount of analyte that would have to be present to be detected by the lab given the particular method and/or instrumentation.
J – This means that the analyte was detected, but the value of the result is an estimate.
UJ - The U before the J means that the analyte was not detected in the sample, but this result may be inaccurate. Some analyte may be present.
R – Indicates that the data has been rejected. For glycol analyses, data with detected concentrations above the Method Detection Limit (MDL) and less than the Reporting Limit (RL) were rejected due to the laboratory not using a second column and/or gas chromatography with mass spectrometry to confirm the identity of the compound listed. For Heterotrophic Plate Count analysis, data were rejected if the laboratory did not run a method blank (i.e. sterility control) for each series of samples plated to determine whether the test samples could have been contaminated during analysis. For semivolatile organic compound analysis, non-detect data have been rejected due to low recoveries of required method quality control checks.
MDL – Is the minimum concentration of a substance that can be measured and reported with 99-percent confidence that the concentration of the substance is greater than zero.
RL – Is the lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions, typically set at the lowest standard in the calibration curve