HW-47
EPA Validated Data Summary Report
Dimock Residential Sampling
Sample Date: 2/8/2012

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW47	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW47-P	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW47	1-Propanol	10,000.00	U	ug/L						
HW47-P	1-Propanol	10,000.00	U	ug/L						
HW47	2-Butanol	10,000.00	U	ug/L						
HW47-P	2-Butanol	10,000.00	U	ug/L						
HW47	Ethanol	10,000.00	U	ug/L						
HW47-P	Ethanol	10,000.00	U	ug/L						
HW47	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW47-P	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW47	Anionic Surfactants	0.01		mg/L						
HW47-P	Anionic Surfactants	0.01	U	mg/L						
HW47	Heterotrophic Plate Count		R	cfu/1mL						
HW47-P	Heterotrophic Plate Count		R	cfu/1mL						
HW47	Total Coliform Bacteria	1.00	U	cfu/100mL	0.00	cfu/100mL	5.00 %*			
HW47-P	Total Coliform Bacteria	1.00	U	cfu/100mL	0.00	cfu/100mL	5.00 %*			
HW47	Ethane	1.20	U	ug/L						
HW47-P	Ethane	0.60	J	ug/L						
HW47	Ethene	1.10	U	ug/L						
HW47-P	Ethene	1.10	U	ug/L						
HW47	Methane	7,900.00		ug/L	28,000.00	ug/L				
HW47-P	Methane	10,000.00		ug/L	28,000.00	ug/L				
HW47	2-Butoxyethanol	5.00	U	ug/L						
HW47-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	
HW47	2-Methoxyethanol	10.00	U	ug/L	78.00	ug/L								
HW47	2-Methoxyethanol	5.00	UJ	ug/L	78.00	ug/L								
HW47-P	2-Methoxyethanol	10.00	U	ug/L	78.00	ug/L								
HW47-P	2-Methoxyethanol	5.00	UJ	ug/L	78.00	ug/L								
HW47	Diethylene Glycol	50.00	U	ug/L	8,000.00	ug/L								
HW47-P	Diethylene Glycol	50.00	U	ug/L	8,000.00	ug/L								
HW47	Ethylene Glycol	10.00	U	mg/L	31,000.00	ug/L								
HW47-P	Ethylene Glycol	10.00	U	mg/L	31,000.00	ug/L								
HW47	Tetraethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW47-P	Tetraethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW47	Triethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW47-P	Triethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW47	Bromide	0.50	U	mg/L										
HW47-P	Bromide	0.50	U	mg/L										
HW47	Chloride	2.04		mg/L					250.00	mg/L			250.00	mg/L
HW47-P	Chloride	2.78		mg/L					250.00	mg/L			250.00	mg/L
HW47	Fluoride	0.19		mg/L	0.62	mg/L	4.00	mg/L	2.00	mg/L	2.00	mg/L		
HW47-P	Fluoride	0.16		mg/L	0.62	mg/L	4.00	mg/L	2.00	mg/L	2.00	mg/L		
HW47	Sulfate	2.64		mg/L					250.00	mg/L			250.00	mg/L
HW47-P	Sulfate	2.35		mg/L					250.00	mg/L			250.00	mg/L
HW47	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW47-F	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW47-P	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW47-PF	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW47	Aluminum	30.00	U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW47-F	Aluminum	30.00	U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW47-P	Aluminum	30.00	U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW47-PF	Aluminum	30.00	U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW47	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
HW47-F	Antimony	2.00	U	ug/L	6.00	ug/L	6.00	ug/L		6.00	ug/L	
HW47-P	Antimony	2.00	U	ug/L	6.00	ug/L	6.00	ug/L		6.00	ug/L	
HW47-PF	Antimony	2.00	U	ug/L	6.00	ug/L	6.00	ug/L		6.00	ug/L	
HW47	Arsenic	**90.70**		ug/L	4.50	ug/L	10.00	ug/L		10.00	ug/L	
HW47-F	Arsenic	**94.20**		ug/L	4.50	ug/L	10.00	ug/L		10.00	ug/L	
HW47-P	Arsenic	**91.10**		ug/L	4.50	ug/L	10.00	ug/L		10.00	ug/L	
HW47-PF	Arsenic	**90.20**		ug/L	4.50	ug/L	10.00	ug/L		10.00	ug/L	
HW47	Barium	485.00		ug/L	2,900.00	ug/L	2,000.00	ug/L		2,000.00	ug/L	
HW47-F	Barium	484.00		ug/L	2,900.00	ug/L	2,000.00	ug/L		2,000.00	ug/L	
HW47-P	Barium	10.00	U	ug/L	2,900.00	ug/L	2,000.00	ug/L		2,000.00	ug/L	
HW47-PF	Barium	10.00	U	ug/L	2,900.00	ug/L	2,000.00	ug/L		2,000.00	ug/L	
HW47	Beryllium	1.00	U	ug/L	16.00	ug/L	4.00	ug/L		4.00	ug/L	
HW47-F	Beryllium	1.00	U	ug/L	16.00	ug/L	4.00	ug/L		4.00	ug/L	
HW47-P	Beryllium	1.00	U	ug/L	16.00	ug/L	4.00	ug/L		4.00	ug/L	
HW47-PF	Beryllium	1.00	U	ug/L	16.00	ug/L	4.00	ug/L		4.00	ug/L	
HW47	Boron	120.00		ug/L	3,100.00	ug/L						
HW47-F	Boron	140.00		ug/L	3,100.00	ug/L						
HW47-P	Boron	127.00		ug/L	3,100.00	ug/L						
HW47-PF	Boron	119.00		ug/L	3,100.00	ug/L						
HW47	Cadmium	1.00	U	ug/L	6.90	ug/L	5.00	ug/L		5.00	ug/L	
HW47-F	Cadmium	1.00	U	ug/L	6.90	ug/L	5.00	ug/L		5.00	ug/L	
HW47-P	Cadmium	1.00	U	ug/L	6.90	ug/L	5.00	ug/L		5.00	ug/L	
HW47-PF	Cadmium	1.00	U	ug/L	6.90	ug/L	5.00	ug/L		5.00	ug/L	
HW47	Calcium	23,700.00		ug/L								
HW47-F	Calcium	22,700.00		ug/L								
HW47-P	Calcium	500.00	U	ug/L								
HW47-PF	Calcium	500.00	U	ug/L								
HW47	Chromium	2.00	U	ug/L	3.10	ug/L	100.00	ug/L		100.00	ug/L	
HW47-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	
HW47-P	Chromium	2.00	U	ug/L	3.10	ug/L	100.00	ug/L			100.00	ug/L		
HW47-PF	Chromium	2.00	U	ug/L	3.10	ug/L	100.00	ug/L			100.00	ug/L		
HW47	Cobalt	1.00	U	ug/L	4.70	ug/L								
HW47-F	Cobalt	1.00	U	ug/L	4.70	ug/L								
HW47-P	Cobalt	1.00	U	ug/L	4.70	ug/L								
HW47-PF	Cobalt	1.00	U	ug/L	4.70	ug/L								
HW47	Copper	10.10		ug/L	620.00	ug/L	1,300.00	ug/L**	1,000.00	ug/L	1,000.00	ug/L***		
HW47-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***		
HW47-P	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***		
HW47-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***		
HW47	Iron	4,550.00		ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW47-F	Iron	3,530.00		ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW47-P	Iron	100.00	U	ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW47-PF	Iron	100.00	U	ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW47	Lead	1.00	U	ug/L	15.00	ug/L	15.00	ug/L**			5.00	ug/L***		
HW47-F	Lead	1.00	U	ug/L	15.00	ug/L	15.00	ug/L**			5.00	ug/L***		
HW47-P	Lead	1.00	U	ug/L	15.00	ug/L	15.00	ug/L**			5.00	ug/L***		
HW47-PF	Lead	1.00	U	ug/L	15.00	ug/L	15.00	ug/L**			5.00	ug/L***		
HW47	Lithium	200.00	U	ug/L	31.00	ug/L								
HW47-F	Lithium	200.00	U	ug/L	31.00	ug/L								
HW47-P	Lithium	200.00	U	ug/L	31.00	ug/L								
HW47-PF	Lithium	200.00	U	ug/L	31.00	ug/L								
HW47	Magnesium	3,950.00		ug/L										
HW47-F	Magnesium	3,830.00		ug/L										
HW47-P	Magnesium	500.00	U	ug/L										
HW47-PF	Magnesium	500.00	U	ug/L										
HW47	Manganese	**947.00**		ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW47-F	Manganese	**877.00**		ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW47-P	Manganese	1.00	U	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	
HW47-PF	Manganese	1.00	U	ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW47	Nickel	1.00		ug/L	300.00	ug/L								
HW47-F	Nickel	1.00	U	ug/L	300.00	ug/L								
HW47-P	Nickel	1.00	U	ug/L	300.00	ug/L								
HW47-PF	Nickel	1.00	U	ug/L	300.00	ug/L								
HW47	Potassium	2,000.00	U	ug/L										
HW47-F	Potassium	2,000.00	U	ug/L										
HW47-P	Potassium	2,000.00	U	ug/L										
HW47-PF	Potassium	2,000.00	U	ug/L										
HW47	Selenium	5.00	U	ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW47-F	Selenium	5.00	U	ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW47-P	Selenium	5.00	U	ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW47-PF	Selenium	5.00	U	ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW47	Silver	1.00	U	ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW47-F	Silver	1.00	U	ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW47-P	Silver	1.00	U	ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW47-PF	Silver	1.00	U	ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW47	Sodium	**53,600.00**		ug/L	20,000.00	ug/L								
HW47-F	Sodium	**56,400.00**		ug/L	20,000.00	ug/L								
HW47-P	Sodium	**93,900.00**		ug/L	20,000.00	ug/L								
HW47-PF	Sodium	**93,600.00**		ug/L	20,000.00	ug/L								
HW47	Strontium	757.00		ug/L	9,300.00	ug/L								
HW47-F	Strontium	748.00		ug/L	9,300.00	ug/L								
HW47-P	Strontium	200.00	U	ug/L	9,300.00	ug/L								
HW47-PF	Strontium	200.00	U	ug/L	9,300.00	ug/L								
HW47	Thallium	1.00	U	ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW47-F	Thallium	1.00	U	ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW47-P	Thallium	1.00	U	ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW47-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	
HW47	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW47-F	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW47-P	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW47-PF	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW47	Titanium	200.00	U	ug/L										
HW47-F	Titanium	200.00	U	ug/L										
HW47-P	Titanium	200.00	U	ug/L										
HW47-PF	Titanium	200.00	U	ug/L										
HW47	Uranium	1.00	U	ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW47-F	Uranium	1.00	U	ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW47-P	Uranium	1.00	U	ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW47-PF	Uranium	1.00	U	ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW47	Vanadium	5.00	U	ug/L	78.00	ug/L								
HW47-F	Vanadium	5.00	U	ug/L	78.00	ug/L								
HW47-P	Vanadium	5.00	U	ug/L	78.00	ug/L								
HW47-PF	Vanadium	5.00	U	ug/L	78.00	ug/L								
HW47	Zinc	2.00	U	ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW47-F	Zinc	2.00	U	ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW47-P	Zinc	2.00	U	ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW47-PF	Zinc	2.00	U	ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW47	Oil and Grease	5.10	U	mg/L										
HW47-P	Oil and Grease	5.20	U	mg/L										
HW47	Total Dissolved Solids	187.00		mg/L					500.00	mg/L			500.00	mg/L
HW47-P	Total Dissolved Solids	231.00		mg/L					500.00	mg/L			500.00	mg/L
HW47	Total Suspended Solids	10.00	U	mg/L										
HW47-P	Total Suspended Solids	10.00	U	mg/L										
HW47	1-Methylnaphthalene	5.00	UJ	ug/L	97.00	ug/L								
HW47-P	1-Methylnaphthalene	5.00	UJ	ug/L	97.00	ug/L								
HW47	Acenaphthene	5.00	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
HW47-P	Acenaphthene	5.00	U	ug/L	400.00	ug/L						
HW47	Acenaphthylene	5.00	U	ug/L								
HW47-P	Acenaphthylene	5.00	U	ug/L								
HW47	Acetophenone	5.00	U	ug/L	1,500.00	ug/L						
HW47-P	Acetophenone	5.00	U	ug/L	1,500.00	ug/L						
HW47	Anthracene	5.00	U	ug/L	1,300.00	ug/L						
HW47-P	Anthracene	5.00	U	ug/L	1,300.00	ug/L						
HW47	Atrazine	5.00	U	ug/L	26.00	ug/L	3.00	ug/L		3.00	ug/L	
HW47-P	Atrazine	5.00	U	ug/L	26.00	ug/L	3.00	ug/L		3.00	ug/L	
HW47	Benzo(a)anthracene	5.00	U	ug/L	2.90	ug/L						
HW47-P	Benzo(a)anthracene	5.00	U	ug/L	2.90	ug/L						
HW47	Benzo(a)pyrene	5.00	U	ug/L	0.29	ug/L	0.20	ug/L		0.20	ug/L	
HW47-P	Benzo(a)pyrene	5.00	U	ug/L	0.29	ug/L	0.20	ug/L		0.20	ug/L	
HW47	Biphenyl	5.00	U	ug/L								
HW47-P	Biphenyl	5.00	U	ug/L								
HW47	Bromophenyl-4 Phenyl Ether	5.00	U	ug/L								
HW47-P	Bromophenyl-4 Phenyl Ether	5.00	U	ug/L								
HW47	Butylbenzyl phthalate	0.07	J	ug/L	1,400.00	ug/L						
HW47-P	Butylbenzyl phthalate	5.00	U	ug/L	1,400.00	ug/L						
HW47	Caprolactam	5.00	U	ug/L	7,700.00	ug/L						
HW47-P	Caprolactam	5.00	U	ug/L	7,700.00	ug/L						
HW47	Carbazole	5.00	U	ug/L								
HW47-P	Carbazole	5.00	U	ug/L								
HW47	Chlorobenzenamine-4	5.00	U	ug/L	3.20	ug/L						
HW47-P	Chlorobenzenamine-4	5.00	U	ug/L	3.20	ug/L						
HW47	Chloronaphthalene-2	5.00	U	ug/L	550.00	ug/L						
HW47-P	Chloronaphthalene-2	5.00	U	ug/L	550.00	ug/L						
HW47	Chlorophenol-2	5.00	U	ug/L	71.00	ug/L						
HW47-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
HW47	Chlorophenyl-4 phenyl ether	5.00	U	ug/L						
HW47-P	Chlorophenyl-4 phenyl ether	5.00	U	ug/L						
HW47	Chrysene	5.00	U	ug/L	290.00	ug/L				
HW47-P	Chrysene	5.00	U	ug/L	290.00	ug/L				
HW47	Cresol, parachloro meta-	5.00	U	ug/L						
HW47-P	Cresol, parachloro meta-	5.00	U	ug/L						
HW47	Cresol-4,6-dinitro-ortho	10.00	U	ug/L						
HW47-P	Cresol-4,6-dinitro-ortho	10.00	U	ug/L						
HW47	Cresol-o	5.00	U	ug/L	720.00	ug/L				
HW47-P	Cresol-o	5.00	U	ug/L	720.00	ug/L				
HW47	Cresol-p	5.00	U	ug/L	72.00	ug/L				
HW47-P	Cresol-p	5.00	U	ug/L	72.00	ug/L				
HW47	Dibenz(a,h)anthracene	5.00	U	ug/L	0.29	ug/L				
HW47-P	Dibenz(a,h)anthracene	5.00	U	ug/L	0.29	ug/L				
HW47	Dibenzofuran	5.00	U	ug/L						
HW47-P	Dibenzofuran	5.00	U	ug/L						
HW47	Dichlorobenzidine-3,3'	5.00	U	ug/L	11.00	ug/L				
HW47-P	Dichlorobenzidine-3,3'	5.00	U	ug/L	11.00	ug/L				
HW47	Dichlorophenol-2,4	5.00	U	ug/L	35.00	ug/L				
HW47-P	Dichlorophenol-2,4	5.00	U	ug/L	35.00	ug/L				
HW47	Dimethylphenol, 2,4-	5.00	U	ug/L	270.00	ug/L				
HW47-P	Dimethylphenol, 2,4-	5.00	U	ug/L	270.00	ug/L				
HW47	Dinitrophenol-2,4	5.00	U	ug/L	30.00	ug/L				
HW47-P	Dinitrophenol-2,4	5.00	U	ug/L	30.00	ug/L				
HW47	Dinitrotoluene-2,4	5.00	U	ug/L						
HW47-P	Dinitrotoluene-2,4	5.00	U	ug/L						
HW47	Dinitrotoluene-2,6	5.00	U	ug/L						
HW47-P	Dinitrotoluene-2,6	5.00	U	ug/L						
HW47	Ether, bis(2-chloroethyl)	5.00	U	ug/L	1.20	ug/L				

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs		EPA Secondary MCLs	DEP Primary MCLs		DEP Secondary MCLs
HW47-P	Ether, bis(2-chloroethyl)	5.00	U	ug/L	1.20	ug/L						
HW47	Ether-bis(2-chloroisopropyl)	5.00	U	ug/L								
HW47-P	Ether-bis(2-chloroisopropyl)	5.00	U	ug/L								
HW47	Fluoranthene	5.00	U	ug/L	630.00	ug/L						
HW47-P	Fluoranthene	5.00	U	ug/L	630.00	ug/L						
HW47	Fluoranthene benzo(k)	5.00	U	ug/L	29.00	ug/L						
HW47-P	Fluoranthene benzo(k)	5.00	U	ug/L	29.00	ug/L						
HW47	Fluoranthene-benzo(b)	5.00	U	ug/L	5.60	ug/L						
HW47-P	Fluoranthene-benzo(b)	5.00	U	ug/L	5.60	ug/L						
HW47	Fluorene	5.00	U	ug/L	220.00	ug/L						
HW47-P	Fluorene	5.00	U	ug/L	220.00	ug/L						
HW47	Hexachlorobenzene	5.00	U	ug/L	4.20	ug/L	1.00	ug/L		1.00	ug/L	
HW47-P	Hexachlorobenzene	5.00	U	ug/L	4.20	ug/L	1.00	ug/L		1.00	ug/L	
HW47	Hexachlorobutadiene	0.50	U	ug/L	26.00	ug/L						
HW47	Hexachlorobutadiene	5.00	U	ug/L	26.00	ug/L						
HW47-P	Hexachlorobutadiene	0.50	U	ug/L	26.00	ug/L						
HW47-P	Hexachlorobutadiene	5.00	U	ug/L	26.00	ug/L						
HW47	Hexachlorocyclopentadiene	5.00	U	ug/L	22.00	ug/L	50.00	ug/L		50.00	ug/L	
HW47-P	Hexachlorocyclopentadiene	5.00	U	ug/L	22.00	ug/L	50.00	ug/L		50.00	ug/L	
HW47	Hexachloroethane	5.00	U	ug/L	5.10	ug/L						
HW47-P	Hexachloroethane	5.00	U	ug/L	5.10	ug/L						
HW47	Isophorone	5.00	U	ug/L	6,700.00	ug/L						
HW47-P	Isophorone	5.00	U	ug/L	6,700.00	ug/L						
HW47	Methane, bis(2-chloroethoxy)	5.00	U	ug/L	47.00	ug/L						
HW47-P	Methane, bis(2-chloroethoxy)	5.00	U	ug/L	47.00	ug/L						
HW47	Methylnaphthalene-2	5.00	U	ug/L	27.00	ug/L						
HW47-P	Methylnaphthalene-2	5.00	U	ug/L	27.00	ug/L						
HW47	Naphthalene	5.00	U	ug/L	14.00	ug/L						
HW47	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
HW47-P	Naphthalene	0.50	U	ug/L	14.00	ug/L						
HW47-P	Naphthalene	5.00	U	ug/L	14.00	ug/L						
HW47	Nitroaniline, ortho	5.00	U	ug/L	150.00	ug/L						
HW47-P	Nitroaniline, ortho	5.00	U	ug/L	150.00	ug/L						
HW47	Nitroaniline-3	5.00	U	ug/L								
HW47-P	Nitroaniline-3	5.00	U	ug/L								
HW47	Nitrobenzenamine-4	5.00	U	ug/L	61.00	ug/L						
HW47-P	Nitrobenzenamine-4	5.00	U	ug/L	61.00	ug/L						
HW47	Nitrobenzene	5.00	U	ug/L	12.00	ug/L						
HW47-P	Nitrobenzene	5.00	U	ug/L	12.00	ug/L						
HW47	Nitrophenol-2	5.00	U	ug/L								
HW47-P	Nitrophenol-2	5.00	U	ug/L								
HW47	Nitrophenol-4	10.00	U	ug/L								
HW47-P	Nitrophenol-4	10.00	U	ug/L								
HW47	Nitrosodimethylamine-n	5.00	U	ug/L	0.04	ug/L						
HW47-P	Nitrosodimethylamine-n	5.00	U	ug/L	0.04	ug/L						
HW47	Nitrosodiphenylamine-n	5.00	U	ug/L	1,000.00	ug/L						
HW47-P	Nitrosodiphenylamine-n	5.00	U	ug/L	1,000.00	ug/L						
HW47	Pentachlorophenol	5.00	U	ug/L	17.00	ug/L	1.00	ug/L		1.00	ug/L	
HW47-P	Pentachlorophenol	5.00	U	ug/L	17.00	ug/L	1.00	ug/L		1.00	ug/L	
HW47	Perylene-benzo(ghi)	5.00	U	ug/L								
HW47-P	Perylene-benzo(ghi)	5.00	U	ug/L								
HW47	Phenanthrene	5.00	U	ug/L								
HW47-P	Phenanthrene	5.00	U	ug/L								
HW47	Phenol	5.00	U	ug/L	4,500.00	ug/L						
HW47-P	Phenol	5.00	U	ug/L	4,500.00	ug/L						
HW47	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U	ug/L	7.10	ug/L	6.00	ug/L		6.00	ug/L	
HW47-P	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U	ug/L	7.10	ug/L	6.00	ug/L		6.00	ug/L	
HW47	Phthalate, Dimethyl	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	
HW47-P	Phthalate, Dimethyl	5.00	U	ug/L	1,400.00	ug/L								
HW47	Phthalate, di-n-butyl-	5.00	U	ug/L	670.00	ug/L								
HW47-P	Phthalate, di-n-butyl-	5.00	U	ug/L	670.00	ug/L								
HW47	Phthalate, di-n-octyl	5.00	U	ug/L										
HW47-P	Phthalate, di-n-octyl	5.00	U	ug/L										
HW47	Phthalate-diethyl	5.00	U	ug/L	11,000.00	ug/L								
HW47-P	Phthalate-diethyl	5.00	U	ug/L	11,000.00	ug/L								
HW47	Propylamine,n-nitroso di-n-	5.00	U	ug/L	0.93	ug/L								
HW47-P	Propylamine,n-nitroso di-n-	5.00	U	ug/L	0.93	ug/L								
HW47	Pyrene	5.00	U	ug/L	87.00	ug/L								
HW47-P	Pyrene	5.00	U	ug/L	87.00	ug/L								
HW47	Pyrene-indeno(1,2,3-cd)	5.00	U	ug/L	3.00	ug/L								
HW47-P	Pyrene-indeno(1,2,3-cd)	5.00	U	ug/L	3.00	ug/L								
HW47	Tetrachlorobenzene, 1,2,4,5-	5.00	U	ug/L	1.20	ug/L								
HW47-P	Tetrachlorobenzene, 1,2,4,5-	5.00	U	ug/L	1.20	ug/L								
HW47	Tetrachlorophenol, 2,3,4,6-	5.00	U	ug/L	170.00	ug/L								
HW47-P	Tetrachlorophenol, 2,3,4,6-	5.00	U	ug/L	170.00	ug/L								
HW47	Trichlorophenol-2,4,5	5.00	U	ug/L	890.00	ug/L								
HW47-P	Trichlorophenol-2,4,5	5.00	U	ug/L	890.00	ug/L								
HW47	Trichlorophenol-2,4,6	5.00	U	ug/L	9.04	ug/L								
HW47-P	Trichlorophenol-2,4,6	5.00	U	ug/L	9.04	ug/L								
HW47	TPH - Diesel Range Organics	250.00	U	ug/L										
HW47-P	TPH - Diesel Range Organics	250.00	U	ug/L										
HW47	TPH - Gasoline Range Organics	50.00	U	ug/L										
HW47-P	TPH - Gasoline Range Organics	50.00	U	ug/L										
HW47	TPH - Oil Range Organics	1,000.00	U	ug/L										
HW47-P	TPH - Oil Range Organics	1,000.00	U	ug/L										
HW47	1,2-Dibromo-3-chloropropane (DBCP)	2.00	U	ug/L	0.03	ug/L	0.20	ug/L			0.20	ug/L		
HW47-P	1,2-Dibromo-3-chloropropane (DBCP)	2.00	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
HW47	4-Methyl-2-pentanone	2.00	U	ug/L	1,000.00 ug/L				
HW47-P	4-Methyl-2-pentanone	2.00	U	ug/L	1,000.00 ug/L				
HW47	Acetone	2.00	U	ug/L					
HW47-P	Acetone	2.00	U	ug/L					
HW47	Benzene	0.50	U	ug/L		5.00 ug/L		5.00 ug/L	
HW47-P	Benzene	0.50	U	ug/L		5.00 ug/L		5.00 ug/L	
HW47	Bromobenzene	0.50	U	ug/L					
HW47-P	Bromobenzene	0.50	U	ug/L					
HW47	Bromoform	1.00	U	ug/L		80.00 ug/L		80.00 ug/L	
HW47-P	Bromoform	1.00	U	ug/L		80.00 ug/L		80.00 ug/L	
HW47	Butylbenzene	0.50	U	ug/L					
HW47-P	Butylbenzene	0.50	U	ug/L					
HW47	Butylbenzene, sec-	0.50	U	ug/L					
HW47-P	Butylbenzene, sec-	0.50	U	ug/L					
HW47	Butylbenzene, tert-	0.50	U	ug/L					
HW47-P	Butylbenzene, tert-	0.50	U	ug/L					
HW47	Carbon disulfide	0.50	U	ug/L					
HW47-P	Carbon disulfide	0.50	U	ug/L					
HW47	Carbon Tetrachloride	0.50	U	ug/L		5.00 ug/L		5.00 ug/L	
HW47-P	Carbon Tetrachloride	0.50	U	ug/L		5.00 ug/L		5.00 ug/L	
HW47	Chlorobenzene	0.50	U	ug/L		100.00 ug/L			
HW47-P	Chlorobenzene	0.50	U	ug/L		100.00 ug/L			
HW47	Chlorobromomethane	0.50	U	ug/L					
HW47-P	Chlorobromomethane	0.50	U	ug/L					
HW47	Chloroethane	0.50	U	ug/L					
HW47-P	Chloroethane	0.50	U	ug/L					
HW47	Chloroform	0.50	U	ug/L		80.00 ug/L		80.00 ug/L	
HW47-P	Chloroform	0.50	U	ug/L		80.00 ug/L		80.00 ug/L	
HW47	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	
HW47-P	Chlorotoluene	0.50	U	ug/L	180.00	ug/L								
HW47	Chlorotoluene-p	0.50	U	ug/L	190.00	ug/L								
HW47-P	Chlorotoluene-p	0.50	U	ug/L	190.00	ug/L								
HW47	Cyclohexane	0.50	U	ug/L										
HW47-P	Cyclohexane	0.50	U	ug/L										
HW47	Dibromochloromethane	0.50	U	ug/L			80.00	ug/L			80.00	ug/L		
HW47-P	Dibromochloromethane	0.50	U	ug/L			80.00	ug/L			80.00	ug/L		
HW47	Dibromoethane-1,2	0.50	U	ug/L	0.65	ug/L	0.05	ug/L			0.05	ug/L		
HW47-P	Dibromoethane-1,2	0.50	U	ug/L	0.65	ug/L	0.05	ug/L			0.05	ug/L		
HW47	Dibromomethane	0.50	U	ug/L										
HW47-P	Dibromomethane	0.50	U	ug/L										
HW47	Dichlorobenzene-1,2	0.50	U	ug/L	280.00	ug/L	600.00	ug/L			600.00	ug/L		
HW47-P	Dichlorobenzene-1,2	0.50	U	ug/L	280.00	ug/L	600.00	ug/L			600.00	ug/L		
HW47	Dichlorobenzene-1,3	0.50	U	ug/L										
HW47-P	Dichlorobenzene-1,3	0.50	U	ug/L										
HW47	Dichlorobenzene-1,4	0.50	U	ug/L	42.00	ug/L	75.00	ug/L			75.00	ug/L		
HW47-P	Dichlorobenzene-1,4	0.50	U	ug/L	42.00	ug/L	75.00	ug/L			75.00	ug/L		
HW47	Dichlorobromomethane	0.50	U	ug/L			80.00	ug/L			80.00	ug/L		
HW47-P	Dichlorobromomethane	0.50	U	ug/L			80.00	ug/L			80.00	ug/L		
HW47	Dichlorodifluoromethane	0.50	U	ug/L										
HW47-P	Dichlorodifluoromethane	0.50	U	ug/L										
HW47	Dichloroethane-1,1	0.50	U	ug/L	240.00	ug/L								
HW47-P	Dichloroethane-1,1	0.50	U	ug/L	240.00	ug/L								
HW47	Dichloroethane-1,2	0.50	U	ug/L	15.00	ug/L	5.00	ug/L			5.00	ug/L		
HW47-P	Dichloroethane-1,2	0.50	U	ug/L	15.00	ug/L	5.00	ug/L			5.00	ug/L		
HW47	Dichloroethene-1,2 trans	0.50	U	ug/L			100.00	ug/L			100.00	ug/L		
HW47-P	Dichloroethene-1,2 trans	0.50	U	ug/L			100.00	ug/L			100.00	ug/L		
HW47	Dichloroethylene-1,1	0.50	U	ug/L			7.00	ug/L			7.00	ug/L		
HW47-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
HW47	Dichloroethylene-1,2 cis	0.50	U	ug/L		70.00 ug/L		70.00 ug/L	
HW47-P	Dichloroethylene-1,2 cis	0.50	U	ug/L		70.00 ug/L		70.00 ug/L	
HW47	Dichloropropane, 1,2-	0.50	U	ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW47-P	Dichloropropane, 1,2-	0.50	U	ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW47	Dichloropropane, 1,3-	0.50	U	ug/L	290.00 ug/L				
HW47-P	Dichloropropane, 1,3-	0.50	U	ug/L	290.00 ug/L				
HW47	Dichloropropane, 2,2-	0.50	U	ug/L					
HW47-P	Dichloropropane, 2,2-	0.50	U	ug/L					
HW47	Dichloropropene, 1,1-	0.50	U	ug/L					
HW47-P	Dichloropropene, 1,1-	0.50	U	ug/L					
HW47	Dichloropropene, 1,3 cis-	0.50	U	ug/L					
HW47-P	Dichloropropene, 1,3 cis-	0.50	U	ug/L					
HW47	Dichloropropene, 1,3 trans-	0.50	U	ug/L					
HW47-P	Dichloropropene, 1,3 trans-	0.50	U	ug/L					
HW47	Ethylbenzene	0.50	U	ug/L		700.00 ug/L		700.00 ug/L	
HW47-P	Ethylbenzene	0.50	U	ug/L		700.00 ug/L		700.00 ug/L	
HW47	Freon 113	0.50	U	ug/L					
HW47-P	Freon 113	0.50	U	ug/L					
HW47	Hexanone, 2-	2.00	U	ug/L	34.00 ug/L				
HW47-P	Hexanone, 2-	2.00	U	ug/L	34.00 ug/L				
HW47	Isopropylbenzene	0.50	U	ug/L					
HW47-P	Isopropylbenzene	0.50	U	ug/L					
HW47	Isopropylbenzene-4,methyl-1	0.50	U	ug/L					
HW47-P	Isopropylbenzene-4,methyl-1	0.50	U	ug/L					
HW47	m,p-Xylene	1.00	U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW47-P	m,p-Xylene	1.00	U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW47	Methyl acetate	1.00	U	ug/L					
HW47-P	Methyl acetate	1.00	U	ug/L					
HW47	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	
HW47-P	Methyl bromide	0.50	U	ug/L										
HW47	Methyl chloride	0.50	U	ug/L										
HW47-P	Methyl chloride	0.50	U	ug/L										
HW47	Methyl cyclohexane	0.50	U	ug/L										
HW47-P	Methyl cyclohexane	0.50	U	ug/L										
HW47	Methyl ethyl ketone	2.00	U	ug/L	4,900.00	ug/L								
HW47-P	Methyl ethyl ketone	2.00	U	ug/L	4,900.00	ug/L								
HW47	Methyl tertiary butyl ether (MTBE)	0.50	U	ug/L										
HW47-P	Methyl tertiary butyl ether (MTBE)	0.50	U	ug/L										
HW47	Methylene chloride	0.50	U	ug/L			5.00	ug/L			5.00	ug/L		
HW47-P	Methylene chloride	0.50	U	ug/L			5.00	ug/L			5.00	ug/L		
HW47	Propylbenzene-n	0.50	U	ug/L										
HW47-P	Propylbenzene-n	0.50	U	ug/L										
HW47	Styrene	1.00	U	ug/L			100.00	ug/L			100.00	ug/L		
HW47-P	Styrene	1.00	U	ug/L			100.00	ug/L			100.00	ug/L		
HW47	Tetrachloroethane, 1,1,1,2-	0.50	U	ug/L	50.00	ug/L								
HW47-P	Tetrachloroethane, 1,1,1,2-	0.50	U	ug/L	50.00	ug/L								
HW47	Tetrachloroethane, 1,1,2,2-	0.50	U	ug/L	6.60	ug/L								
HW47-P	Tetrachloroethane, 1,1,2,2-	0.50	U	ug/L	6.60	ug/L								
HW47	Tetrachloroethylene	0.50	U	ug/L			5.00	ug/L			5.00	ug/L		
HW47-P	Tetrachloroethylene	0.50	U	ug/L			5.00	ug/L			5.00	ug/L		
HW47	Toluene	0.50	U	ug/L			1,000.00	ug/L			1,000.00	ug/L		
HW47-P	Toluene	0.50	U	ug/L			1,000.00	ug/L			1,000.00	ug/L		
HW47	Trichlorobenzene-1,2,3	0.50	U	ug/L	5.20	ug/L								
HW47-P	Trichlorobenzene-1,2,3	0.50	U	ug/L	5.20	ug/L								
HW47	Trichlorobenzene-1,2,4	0.50	U	ug/L	5.20	ug/L	70.00	ug/L			70.00	ug/L		
HW47-P	Trichlorobenzene-1,2,4	0.50	U	ug/L	5.20	ug/L	70.00	ug/L			70.00	ug/L		
HW47	Trichloroethane-1,1,1	0.50	U	ug/L	7,500.00	ug/L	200.00	ug/L			200.00	ug/L		
HW47-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
HW47	Trichloroethane-1,1,2	0.50	U	ug/L	0.41	ug/L	5.00	ug/L		5.00	ug/L	
HW47-P	Trichloroethane-1,1,2	0.50	U	ug/L	0.41	ug/L	5.00	ug/L		5.00	ug/L	
HW47	Trichloroethylene	0.50	U	ug/L			5.00	ug/L		5.00	ug/L	
HW47-P	Trichloroethylene	0.50	U	ug/L			5.00	ug/L		5.00	ug/L	
HW47	Trichlorofluoromethane	0.50	U	ug/L								
HW47-P	Trichlorofluoromethane	0.50	U	ug/L								
HW47	Trichloropropane-1,2,3	0.50	U	ug/L	0.07	ug/L						
HW47-P	Trichloropropane-1,2,3	0.50	U	ug/L	0.07	ug/L						
HW47	Trimethylbenzene-1,2,4	0.50	U	ug/L	15.00	ug/L						
HW47-P	Trimethylbenzene-1,2,4	0.50	U	ug/L	15.00	ug/L						
HW47	Trimethylbenzene-1,3,5	0.50	U	ug/L	87.00	ug/L						
HW47-P	Trimethylbenzene-1,3,5	0.50	U	ug/L	87.00	ug/L						
HW47	Vinyl acetate	0.50	U	ug/L								
HW47-P	Vinyl acetate	0.50	U	ug/L								
HW47	Vinyl chloride	0.50	U	ug/L			2.00	ug/L		2.00	ug/L	
HW47-P	Vinyl chloride	0.50	U	ug/L			2.00	ug/L		2.00	ug/L	
HW47	Xylene-o	1.00	U	ug/L			10,000.00	ug/L		10,000.00	ug/L	
HW47-P	Xylene-o	1.00	U	ug/L			10,000.00	ug/L		10,000.00	ug/L	
HW47	Nitrogen, Nitrite + Nitrate	0.05	U	mg/L			10.00	mg/L		10.00	mg/L	
HW47-P	Nitrogen, Nitrite + Nitrate	0.05	U	mg/L			10.00	mg/L		10.00	mg/L	
HW47	Total Nitrogen	1.00	U	mg/L								
HW47-P	Total Nitrogen	1.00	U	mg/L								
HW47	Total Phosphorus as P	0.29		mg/L								
HW47-P	Total Phosphorus as P	0.33		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