HW-15a
EPA Validated Data Summary Report
Dimock Residential Sampling
Sample Date: 2/7/2012

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW15a	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW15a-P	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW15a	1-Propanol	10,000.00	U	ug/L						
HW15a-P	1-Propanol	10,000.00	U	ug/L						
HW15a	2-Butanol	10,000.00	U	ug/L						
HW15a-P	2-Butanol	10,000.00	U	ug/L						
HW15a	Ethanol	10,000.00	U	ug/L						
HW15a-P	Ethanol	10,000.00	U	ug/L						
HW15a	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW15a-P	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW15a	Anionic Surfactants	0.01	U	mg/L						
HW15a-P	Anionic Surfactants	0.01	U	mg/L						
HW15a	Heterotrophic Plate Count		R	cfu/1mL						
HW15a-P	Heterotrophic Plate Count		R	cfu/1mL						
HW15a	Total Coliform Bacteria	1.00	U	cfu/100mL	0.00	cfu/100mL	5.00 %*			
HW15a-P	Total Coliform Bacteria	1.00	U	cfu/100mL	0.00	cfu/100mL	5.00 %*			
HW15a	Ethane	130.00		ug/L						
HW15a-P	Ethane	1.20	U	ug/L						
HW15a	Ethene	1.10	U	ug/L						
HW15a-P	Ethene	1.10	U	ug/L						
HW15a	Methane	14,000.00		ug/L	28,000.00	ug/L				
HW15a-P	Methane	27.00		ug/L	28,000.00	ug/L				
HW15a	2-Butoxyethanol	5.00	U	ug/L						
HW15a-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	
HW15a	2-Methoxyethanol	5.00	UJ	ug/L	78.00	ug/L								
HW15a	2-Methoxyethanol	10.00	U	ug/L	78.00	ug/L								
HW15a-P	2-Methoxyethanol	10.00	U	ug/L	78.00	ug/L								
HW15a-P	2-Methoxyethanol	5.00	UJ	ug/L	78.00	ug/L								
HW15a	Diethylene Glycol	50.00	U	ug/L	8,000.00	ug/L								
HW15a-P	Diethylene Glycol	50.00	U	ug/L	8,000.00	ug/L								
HW15a	Ethylene Glycol	10.00	U	mg/L	31,000.00	ug/L								
HW15a-p	Ethylene Glycol	10.00	U	mg/L	31,000.00	ug/L								
HW15a	Tetraethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW15a-P	Tetraethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW15a	Triethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW15a-P	Triethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW15a	Bromide	0.50	U	mg/L										
HW15a-P	Bromide	0.50	U	mg/L										
HW15a	Chloride	15.60		mg/L					250.00	mg/L			250.00	mg/L
HW15a-P	Chloride	15.00		mg/L					250.00	mg/L			250.00	mg/L
HW15a	Fluoride	0.10	U	mg/L	0.62	mg/L	4.00	mg/L	2.00	mg/L	2.00	mg/L		
HW15a-P	Fluoride	0.10	U	mg/L	0.62	mg/L	4.00	mg/L	2.00	mg/L	2.00	mg/L		
HW15a	Sulfate	3.95		mg/L					250.00	mg/L			250.00	mg/L
HW15a-P	Sulfate	3.74		mg/L					250.00	mg/L			250.00	mg/L
HW15a	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW15a-F	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW15a-P	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW15a-PF	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW15a	Aluminum	30.00	U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW15a-F	Aluminum	30.00	U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW15a-P	Aluminum	30.00	U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW15a-PF	Aluminum	30.00	U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW15a	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
HW15a-F	Antimony	2.00	U	ug/L	6.00	ug/L	6.00	ug/L		6.00	ug/L	
HW15a-P	Antimony	2.00	U	ug/L	6.00	ug/L	6.00	ug/L		6.00	ug/L	
HW15a-PF	Antimony	2.00	U	ug/L	6.00	ug/L	6.00	ug/L		6.00	ug/L	
HW15a	Arsenic	**5.10**		ug/L	4.50	ug/L	10.00	ug/L		10.00	ug/L	
HW15a-F	Arsenic	4.30		ug/L	4.50	ug/L	10.00	ug/L		10.00	ug/L	
HW15a-P	Arsenic	3.30		ug/L	4.50	ug/L	10.00	ug/L		10.00	ug/L	
HW15a-PF	Arsenic	2.80		ug/L	4.50	ug/L	10.00	ug/L		10.00	ug/L	
HW15a	Barium	582.00		ug/L	2,900.00	ug/L	2,000.00	ug/L		2,000.00	ug/L	
HW15a-F	Barium	545.00		ug/L	2,900.00	ug/L	2,000.00	ug/L		2,000.00	ug/L	
HW15a-P	Barium	18.40		ug/L	2,900.00	ug/L	2,000.00	ug/L		2,000.00	ug/L	
HW15a-PF	Barium	19.50		ug/L	2,900.00	ug/L	2,000.00	ug/L		2,000.00	ug/L	
HW15a	Beryllium	1.00	U	ug/L	16.00	ug/L	4.00	ug/L		4.00	ug/L	
HW15a-F	Beryllium	1.00	U	ug/L	16.00	ug/L	4.00	ug/L		4.00	ug/L	
HW15a-P	Beryllium	1.00	U	ug/L	16.00	ug/L	4.00	ug/L		4.00	ug/L	
HW15a-PF	Beryllium	1.00	U	ug/L	16.00	ug/L	4.00	ug/L		4.00	ug/L	
HW15a	Boron	50.00	U	ug/L	3,100.00	ug/L						
HW15a-F	Boron	50.00	U	ug/L	3,100.00	ug/L						
HW15a-P	Boron	50.00	U	ug/L	3,100.00	ug/L						
HW15a-PF	Boron	50.00	U	ug/L	3,100.00	ug/L						
HW15a	Cadmium	1.00	U	ug/L	6.90	ug/L	5.00	ug/L		5.00	ug/L	
HW15a-F	Cadmium	1.00	U	ug/L	6.90	ug/L	5.00	ug/L		5.00	ug/L	
HW15a-P	Cadmium	1.00	U	ug/L	6.90	ug/L	5.00	ug/L		5.00	ug/L	
HW15a-PF	Cadmium	1.00	U	ug/L	6.90	ug/L	5.00	ug/L		5.00	ug/L	
HW15a	Calcium	31,900.00		ug/L								
HW15a-F	Calcium	31,900.00		ug/L								
HW15a-P	Calcium	1,560.00		ug/L								
HW15a-PF	Calcium	1,560.00		ug/L								
HW15a	Chromium	2.00	U	ug/L	3.10	ug/L	100.00	ug/L		100.00	ug/L	
HW15a-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	
HW15a-P	Chromium	2.00	U	ug/L	3.10	ug/L	100.00	ug/L			100.00	ug/L		
HW15a-PF	Chromium	2.20		ug/L	3.10	ug/L	100.00	ug/L			100.00	ug/L		
HW15a	Cobalt	1.00	U	ug/L	4.70	ug/L								
HW15a-F	Cobalt	1.00	U	ug/L	4.70	ug/L								
HW15a-P	Cobalt	1.00	U	ug/L	4.70	ug/L								
HW15a-PF	Cobalt	1.00	U	ug/L	4.70	ug/L								
HW15a	Copper	2.00		ug/L	620.00	ug/L	1,300.00	ug/L**	1,000.00	ug/L	1,000.00	ug/L***		
HW15a-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***		
HW15a-P	Copper	13.40		ug/L	620.00	ug/L	1,300.00	ug/L**	1,000.00	ug/L	1,000.00	ug/L***		
HW15a-PF	Copper	11.50		ug/L	620.00	ug/L	1,300.00	ug/L**	1,000.00	ug/L	1,000.00	ug/L***		
HW15a	Iron	109.00		ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW15a-F	Iron	100.00	U	ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW15a-P	Iron	100.00	U	ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW15a-PF	Iron	100.00	U	ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW15a	Lead	1.00	U	ug/L	15.00	ug/L	15.00	ug/L**			5.00	ug/L***		
HW15a-F	Lead	1.00	U	ug/L	15.00	ug/L	15.00	ug/L**			5.00	ug/L***		
HW15a-P	Lead	1.00	U	ug/L	15.00	ug/L	15.00	ug/L**			5.00	ug/L***		
HW15a-PF	Lead	1.00	U	ug/L	15.00	ug/L	15.00	ug/L**			5.00	ug/L***		
HW15a	Lithium	200.00	U	ug/L	31.00	ug/L								
HW15a-F	Lithium	200.00	U	ug/L	31.00	ug/L								
HW15a-P	Lithium	200.00	U	ug/L	31.00	ug/L								
HW15a-PF	Lithium	200.00	U	ug/L	31.00	ug/L								
HW15a	Magnesium	10,300.00		ug/L										
HW15a-F	Magnesium	10,000.00		ug/L										
HW15a-P	Magnesium	629.00		ug/L										
HW15a-PF	Magnesium	632.00		ug/L										
HW15a	Manganese	157.00		ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW15a-F	Manganese	160.00		ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW15a-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
HW15a-PF	Manganese	1.00	U	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW15a	Nickel	1.40		ug/L	300.00 ug/L				
HW15a-F	Nickel	1.10		ug/L	300.00 ug/L				
HW15a-P	Nickel	1.00	U	ug/L	300.00 ug/L				
HW15a-PF	Nickel	1.00	U	ug/L	300.00 ug/L				
HW15a	Potassium	2,000.00	U	ug/L					
HW15a-F	Potassium	2,000.00	U	ug/L					
HW15a-P	Potassium	2,000.00	U	ug/L					
HW15a-PF	Potassium	2,000.00	U	ug/L					
HW15a	Selenium	5.00	U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW15a-F	Selenium	5.00	U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW15a-P	Selenium	5.00	U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW15a-PF	Selenium	5.00	U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW15a	Silver	1.00	U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW15a-F	Silver	1.00	U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW15a-P	Silver	1.00	U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW15a-PF	Silver	1.00	U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW15a	Sodium	16,900.00		ug/L	20,000.00 ug/L				
HW15a-F	Sodium	16,200.00		ug/L	20,000.00 ug/L				
HW15a-P	Sodium	**64,600.00**		ug/L	20,000.00 ug/L				
HW15a-PF	Sodium	**66,000.00**		ug/L	20,000.00 ug/L				
HW15a	Strontium	803.00		ug/L	9,300.00 ug/L				
HW15a-F	Strontium	789.00		ug/L	9,300.00 ug/L				
HW15a-P	Strontium	200.00	U	ug/L	9,300.00 ug/L				
HW15a-PF	Strontium	200.00	U	ug/L	9,300.00 ug/L				
HW15a	Thallium	1.00	U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW15a-F	Thallium	1.00	U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW15a-P	Thallium	1.00	U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW15a-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	
HW15a	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW15a-F	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW15a-P	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW15a-PF	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW15a	Titanium	200.00	U	ug/L										
HW15a-F	Titanium	200.00	U	ug/L										
HW15a-P	Titanium	200.00	U	ug/L										
HW15a-PF	Titanium	200.00	U	ug/L										
HW15a	Uranium	1.00	U	ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW15a-F	Uranium	1.00	U	ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW15a-P	Uranium	1.10		ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW15a-PF	Uranium	1.20		ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW15a	Vanadium	5.00	U	ug/L	78.00	ug/L								
HW15a-F	Vanadium	5.00	U	ug/L	78.00	ug/L								
HW15a-P	Vanadium	5.00	U	ug/L	78.00	ug/L								
HW15a-PF	Vanadium	5.00	U	ug/L	78.00	ug/L								
HW15a	Zinc	2.00	U	ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW15a-F	Zinc	2.00	U	ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW15a-P	Zinc	2.00	U	ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW15a-PF	Zinc	2.00	U	ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW15a	Oil and Grease	5.40	U	mg/L										
HW15a-P	Oil and Grease	5.00	UJ	mg/L										
HW15a	Total Dissolved Solids	158.00		mg/L					500.00	mg/L			500.00	mg/L
HW15a-P	Total Dissolved Solids	175.00		mg/L					500.00	mg/L			500.00	mg/L
HW15a	Total Suspended Solids	10.00	U	mg/L										
HW15a-P	Total Suspended Solids	10.00	U	mg/L										
HW15a	1-Methylnaphthalene	5.00	UJ	ug/L	97.00	ug/L								
HW15a-P	1-Methylnaphthalene	5.00	UJ	ug/L	97.00	ug/L								
HW15a	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
HW15a-P	Acenaphthene	5.00	U	ug/L	400.00	ug/L						
HW15a	Acenaphthylene	5.00	U	ug/L								
HW15a-P	Acenaphthylene	5.00	U	ug/L								
HW15a	Acetophenone	5.00	U	ug/L	1,500.00	ug/L						
HW15a-P	Acetophenone	5.00	U	ug/L	1,500.00	ug/L						
HW15a	Anthracene	5.00	U	ug/L	1,300.00	ug/L						
HW15a-P	Anthracene	5.00	U	ug/L	1,300.00	ug/L						
HW15a	Atrazine	5.00	U	ug/L	26.00	ug/L	3.00	ug/L		3.00	ug/L	
HW15a-P	Atrazine	5.00	U	ug/L	26.00	ug/L	3.00	ug/L		3.00	ug/L	
HW15a	Benzo(a)anthracene	5.00	U	ug/L	2.90	ug/L						
HW15a-P	Benzo(a)anthracene	5.00	U	ug/L	2.90	ug/L						
HW15a	Benzo(a)pyrene	5.00	U	ug/L	0.29	ug/L	0.20	ug/L		0.20	ug/L	
HW15a-P	Benzo(a)pyrene	5.00	U	ug/L	0.29	ug/L	0.20	ug/L		0.20	ug/L	
HW15a	Biphenyl	5.00	U	ug/L								
HW15a-P	Biphenyl	5.00	U	ug/L								
HW15a	Bromophenyl-4 Phenyl Ether	5.00	U	ug/L								
HW15a-P	Bromophenyl-4 Phenyl Ether	5.00	U	ug/L								
HW15a	Butylbenzyl phthalate	5.00	U	ug/L	1,400.00	ug/L						
HW15a-P	Butylbenzyl phthalate	5.00	U	ug/L	1,400.00	ug/L						
HW15a	Caprolactam	5.00	U	ug/L	7,700.00	ug/L						
HW15a-P	Caprolactam	5.00	U	ug/L	7,700.00	ug/L						
HW15a	Carbazole	5.00	U	ug/L								
HW15a-P	Carbazole	5.00	U	ug/L								
HW15a	Chlorobenzenamine-4	5.00	U	ug/L	3.20	ug/L						
HW15a-P	Chlorobenzenamine-4	5.00	U	ug/L	3.20	ug/L						
HW15a	Chloronaphthalene-2	5.00	U	ug/L	550.00	ug/L						
HW15a-P	Chloronaphthalene-2	5.00	U	ug/L	550.00	ug/L						
HW15a	Chlorophenol-2	5.00	U	ug/L	71.00	ug/L						
HW15a-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
HW15a	Chlorophenyl-4 phenyl ether	5.00	U	ug/L						
HW15a-P	Chlorophenyl-4 phenyl ether	5.00	U	ug/L						
HW15a	Chrysene	5.00	U	ug/L	290.00	ug/L				
HW15a-P	Chrysene	5.00	U	ug/L	290.00	ug/L				
HW15a	Cresol, parachloro meta-	5.00	U	ug/L						
HW15a-P	Cresol, parachloro meta-	5.00	U	ug/L						
HW15a	Cresol-4,6-dinitro-ortho	10.00	U	ug/L						
HW15a-P	Cresol-4,6-dinitro-ortho	10.00	U	ug/L						
HW15a	Cresol-o	5.00	U	ug/L	720.00	ug/L				
HW15a-P	Cresol-o	5.00	U	ug/L	720.00	ug/L				
HW15a	Cresol-p	5.00	U	ug/L	72.00	ug/L				
HW15a-P	Cresol-p	5.00	U	ug/L	72.00	ug/L				
HW15a	Dibenz(a,h)anthracene	5.00	U	ug/L	0.29	ug/L				
HW15a-P	Dibenz(a,h)anthracene	5.00	U	ug/L	0.29	ug/L				
HW15a	Dibenzofuran	5.00	U	ug/L						
HW15a-P	Dibenzofuran	5.00	U	ug/L						
HW15a	Dichlorobenzidine-3,3'	5.00	U	ug/L	11.00	ug/L				
HW15a-P	Dichlorobenzidine-3,3'	5.00	U	ug/L	11.00	ug/L				
HW15a	Dichlorophenol-2,4	5.00	U	ug/L	35.00	ug/L				
HW15a-P	Dichlorophenol-2,4	5.00	U	ug/L	35.00	ug/L				
HW15a	Dimethylphenol, 2,4-	5.00	U	ug/L	270.00	ug/L				
HW15a-P	Dimethylphenol, 2,4-	5.00	U	ug/L	270.00	ug/L				
HW15a	Dinitrophenol-2,4	5.00	U	ug/L	30.00	ug/L				
HW15a-P	Dinitrophenol-2,4	5.00	U	ug/L	30.00	ug/L				
HW15a	Dinitrotoluene-2,4	5.00	U	ug/L						
HW15a-P	Dinitrotoluene-2,4	5.00	U	ug/L						
HW15a	Dinitrotoluene-2,6	5.00	U	ug/L						
HW15a-P	Dinitrotoluene-2,6	5.00	U	ug/L						
HW15a	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
HW15a-P	Ether, bis(2-chloroethyl)	5.00	U	ug/L	1.20	ug/L						
HW15a	Ether-bis(2-chloroisopropyl)	5.00	U	ug/L								
HW15a-P	Ether-bis(2-chloroisopropyl)	5.00	U	ug/L								
HW15a	Fluoranthene	5.00	U	ug/L	630.00	ug/L						
HW15a-P	Fluoranthene	5.00	U	ug/L	630.00	ug/L						
HW15a	Fluoranthene benzo(k)	5.00	U	ug/L	29.00	ug/L						
HW15a-P	Fluoranthene benzo(k)	5.00	U	ug/L	29.00	ug/L						
HW15a	Fluoranthene-benzo(b)	5.00	U	ug/L	5.60	ug/L						
HW15a-P	Fluoranthene-benzo(b)	5.00	U	ug/L	5.60	ug/L						
HW15a	Fluorene	5.00	U	ug/L	220.00	ug/L						
HW15a-P	Fluorene	5.00	U	ug/L	220.00	ug/L						
HW15a	Hexachlorobenzene	5.00	U	ug/L	4.20	ug/L	1.00	ug/L		1.00	ug/L	
HW15a-P	Hexachlorobenzene	5.00	U	ug/L	4.20	ug/L	1.00	ug/L		1.00	ug/L	
HW15a	Hexachlorobutadiene	5.00	U	ug/L	26.00	ug/L						
HW15a	Hexachlorobutadiene	0.50	U	ug/L	26.00	ug/L						
HW15a-P	Hexachlorobutadiene	0.50	U	ug/L	26.00	ug/L						
HW15a-P	Hexachlorobutadiene	5.00	U	ug/L	26.00	ug/L						
HW15a	Hexachlorocyclopentadiene	5.00	U	ug/L	22.00	ug/L	50.00	ug/L		50.00	ug/L	
HW15a-P	Hexachlorocyclopentadiene	5.00	U	ug/L	22.00	ug/L	50.00	ug/L		50.00	ug/L	
HW15a	Hexachloroethane	5.00	U	ug/L	5.10	ug/L						
HW15a-P	Hexachloroethane	5.00	U	ug/L	5.10	ug/L						
HW15a	Isophorone	5.00	U	ug/L	6,700.00	ug/L						
HW15a-P	Isophorone	5.00	U	ug/L	6,700.00	ug/L						
HW15a	Methane, bis(2-chloroethoxy)	5.00	U	ug/L	47.00	ug/L						
HW15a-P	Methane, bis(2-chloroethoxy)	5.00	U	ug/L	47.00	ug/L						
HW15a	Methylnaphthalene-2	5.00	U	ug/L	27.00	ug/L						
HW15a-P	Methylnaphthalene-2	5.00	U	ug/L	27.00	ug/L						
HW15a	Naphthalene	5.00	U	ug/L	14.00	ug/L						
HW15a	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
HW15a-P	Naphthalene	5.00	U	ug/L	14.00	ug/L						
HW15a-P	Naphthalene	0.50	U	ug/L	14.00	ug/L						
HW15a	Nitroaniline, ortho	5.00	U	ug/L	150.00	ug/L						
HW15a-P	Nitroaniline, ortho	5.00	U	ug/L	150.00	ug/L						
HW15a	Nitroaniline-3	5.00	U	ug/L								
HW15a-P	Nitroaniline-3	5.00	U	ug/L								
HW15a	Nitrobenzenamine-4	5.00	U	ug/L	61.00	ug/L						
HW15a-P	Nitrobenzenamine-4	5.00	U	ug/L	61.00	ug/L						
HW15a	Nitrobenzene	5.00	U	ug/L	12.00	ug/L						
HW15a-P	Nitrobenzene	5.00	U	ug/L	12.00	ug/L						
HW15a	Nitrophenol-2	5.00	U	ug/L								
HW15a-P	Nitrophenol-2	5.00	U	ug/L								
HW15a	Nitrophenol-4	10.00	U	ug/L								
HW15a-P	Nitrophenol-4	10.00	U	ug/L								
HW15a	Nitrosodimethylamine-n	5.00	U	ug/L	0.04	ug/L						
HW15a-P	Nitrosodimethylamine-n	5.00	U	ug/L	0.04	ug/L						
HW15a	Nitrosodiphenylamine-n	5.00	U	ug/L	1,000.00	ug/L						
HW15a-P	Nitrosodiphenylamine-n	5.00	U	ug/L	1,000.00	ug/L						
HW15a	Pentachlorophenol	5.00	U	ug/L	17.00	ug/L	1.00	ug/L		1.00	ug/L	
HW15a-P	Pentachlorophenol	5.00	U	ug/L	17.00	ug/L	1.00	ug/L		1.00	ug/L	
HW15a	Perylene-benzo(ghi)	5.00	U	ug/L								
HW15a-P	Perylene-benzo(ghi)	5.00	U	ug/L								
HW15a	Phenanthrene	5.00	U	ug/L								
HW15a-P	Phenanthrene	5.00	U	ug/L								
HW15a	Phenol	5.00	U	ug/L	4,500.00	ug/L						
HW15a-P	Phenol	5.00	U	ug/L	4,500.00	ug/L						
HW15a	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U	ug/L	7.10	ug/L	6.00	ug/L		6.00	ug/L	
HW15a-P	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U	ug/L	7.10	ug/L	6.00	ug/L		6.00	ug/L	
HW15a	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	
HW15a-P	Phthalate, Dimethyl	0.01	J	ug/L	1,400.00	ug/L								
HW15a	Phthalate, di-n-butyl-	5.00	U	ug/L	670.00	ug/L								
HW15a-P	Phthalate, di-n-butyl-	5.00	U	ug/L	670.00	ug/L								
HW15a	Phthalate, di-n-octyl	5.00	U	ug/L										
HW15a-P	Phthalate, di-n-octyl	5.00	U	ug/L										
HW15a	Phthalate-diethyl	5.00	U	ug/L	11,000.00	ug/L								
HW15a-P	Phthalate-diethyl	5.00	U	ug/L	11,000.00	ug/L								
HW15a	Propylamine,n-nitroso di-n-	5.00	U	ug/L	0.93	ug/L								
HW15a-P	Propylamine,n-nitroso di-n-	5.00	U	ug/L	0.93	ug/L								
HW15a	Pyrene	5.00	U	ug/L	87.00	ug/L								
HW15a-P	Pyrene	5.00	U	ug/L	87.00	ug/L								
HW15a	Pyrene-indeno(1,2,3-cd)	5.00	U	ug/L	3.00	ug/L								
HW15a-P	Pyrene-indeno(1,2,3-cd)	5.00	U	ug/L	3.00	ug/L								
HW15a	Tetrachlorobenzene, 1,2,4,5-	5.00	U	ug/L	1.20	ug/L								
HW15a-P	Tetrachlorobenzene, 1,2,4,5-	5.00	U	ug/L	1.20	ug/L								
HW15a	Tetrachlorophenol, 2,3,4,6-	5.00	U	ug/L	170.00	ug/L								
HW15a-P	Tetrachlorophenol, 2,3,4,6-	5.00	U	ug/L	170.00	ug/L								
HW15a	Trichlorophenol-2,4,5	5.00	U	ug/L	890.00	ug/L								
HW15a-P	Trichlorophenol-2,4,5	5.00	U	ug/L	890.00	ug/L								
HW15a	Trichlorophenol-2,4,6	5.00	U	ug/L	9.04	ug/L								
HW15a-P	Trichlorophenol-2,4,6	5.00	U	ug/L	9.04	ug/L								
HW15a	TPH - Diesel Range Organics	250.00	U	ug/L										
HW15a-P	TPH - Diesel Range Organics	240.00	U	ug/L										
HW15a	TPH - Gasoline Range Organics	50.00	U	ug/L										
HW15a-P	TPH - Gasoline Range Organics	50.00	U	ug/L										
HW15a	TPH - Oil Range Organics	1,000.00	U	ug/L										
HW15a-P	TPH - Oil Range Organics	950.00	U	ug/L										
HW15a	1,2-Dibromo-3-chloropropane (DBCP)	2.00	U	ug/L	0.03	ug/L	0.20	ug/L			0.20	ug/L		
HW15a-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
HW15a	4-Methyl-2-pentanone	2.00	U	ug/L	1,000.00 ug/L				
HW15a-P	4-Methyl-2-pentanone	2.00	U	ug/L	1,000.00 ug/L				
HW15a	Acetone	2.00	U	ug/L					
HW15a-P	Acetone	3.30	U	ug/L					
HW15a	Benzene	0.50	U	ug/L		5.00 ug/L		5.00 ug/L	
HW15a-P	Benzene	0.50	U	ug/L		5.00 ug/L		5.00 ug/L	
HW15a	Bromobenzene	0.50	U	ug/L					
HW15a-P	Bromobenzene	0.50	U	ug/L					
HW15a	Bromoform	1.00	U	ug/L		80.00 ug/L		80.00 ug/L	
HW15a-P	Bromoform	1.00	U	ug/L		80.00 ug/L		80.00 ug/L	
HW15a	Butylbenzene	0.50	U	ug/L					
HW15a-P	Butylbenzene	0.50	U	ug/L					
HW15a	Butylbenzene, sec-	0.50	U	ug/L					
HW15a-P	Butylbenzene, sec-	0.50	U	ug/L					
HW15a	Butylbenzene, tert-	0.50	U	ug/L					
HW15a-P	Butylbenzene, tert-	0.50	U	ug/L					
HW15a	Carbon disulfide	0.50	U	ug/L					
HW15a-P	Carbon disulfide	0.50	U	ug/L					
HW15a	Carbon Tetrachloride	0.50	U	ug/L		5.00 ug/L		5.00 ug/L	
HW15a-P	Carbon Tetrachloride	0.50	U	ug/L		5.00 ug/L		5.00 ug/L	
HW15a	Chlorobenzene	0.50	U	ug/L		100.00 ug/L			
HW15a-P	Chlorobenzene	0.50	U	ug/L		100.00 ug/L			
HW15a	Chlorobromomethane	0.50	U	ug/L					
HW15a-P	Chlorobromomethane	0.50	U	ug/L					
HW15a	Chloroethane	0.50	U	ug/L					
HW15a-P	Chloroethane	0.50	U	ug/L					
HW15a	Chloroform	0.50	U	ug/L		80.00 ug/L		80.00 ug/L	
HW15a-P	Chloroform	0.50	U	ug/L		80.00 ug/L		80.00 ug/L	
HW15a	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	
HW15a-P	Chlorotoluene	0.50	U	ug/L	180.00	ug/L								
HW15a	Chlorotoluene-p	0.50	U	ug/L	190.00	ug/L								
HW15a-P	Chlorotoluene-p	0.50	U	ug/L	190.00	ug/L								
HW15a	Cyclohexane	0.50	U	ug/L										
HW15a-P	Cyclohexane	0.50	U	ug/L										
HW15a	Dibromochloromethane	0.50	U	ug/L			80.00	ug/L			80.00	ug/L		
HW15a-P	Dibromochloromethane	0.50	U	ug/L			80.00	ug/L			80.00	ug/L		
HW15a	Dibromoethane-1,2	0.50	U	ug/L	0.65	ug/L	0.05	ug/L			0.05	ug/L		
HW15a-P	Dibromoethane-1,2	0.50	U	ug/L	0.65	ug/L	0.05	ug/L			0.05	ug/L		
HW15a	Dibromomethane	0.50	U	ug/L										
HW15a-P	Dibromomethane	0.50	U	ug/L										
HW15a	Dichlorobenzene-1,2	0.50	U	ug/L	280.00	ug/L	600.00	ug/L			600.00	ug/L		
HW15a-P	Dichlorobenzene-1,2	0.50	U	ug/L	280.00	ug/L	600.00	ug/L			600.00	ug/L		
HW15a	Dichlorobenzene-1,3	0.50	U	ug/L										
HW15a-P	Dichlorobenzene-1,3	0.50	U	ug/L										
HW15a	Dichlorobenzene-1,4	0.50	U	ug/L	42.00	ug/L	75.00	ug/L			75.00	ug/L		
HW15a-P	Dichlorobenzene-1,4	0.50	U	ug/L	42.00	ug/L	75.00	ug/L			75.00	ug/L		
HW15a	Dichlorobromomethane	0.50	U	ug/L			80.00	ug/L			80.00	ug/L		
HW15a-P	Dichlorobromomethane	0.50	U	ug/L			80.00	ug/L			80.00	ug/L		
HW15a	Dichlorodifluoromethane	0.50	U	ug/L										
HW15a-P	Dichlorodifluoromethane	0.50	U	ug/L										
HW15a	Dichloroethane-1,1	0.50	U	ug/L	240.00	ug/L								
HW15a-P	Dichloroethane-1,1	0.50	U	ug/L	240.00	ug/L								
HW15a	Dichloroethane-1,2	0.50	U	ug/L	15.00	ug/L	5.00	ug/L			5.00	ug/L		
HW15a-P	Dichloroethane-1,2	0.50	U	ug/L	15.00	ug/L	5.00	ug/L			5.00	ug/L		
HW15a	Dichloroethene-1,2 trans	0.50	U	ug/L			100.00	ug/L			100.00	ug/L		
HW15a-P	Dichloroethene-1,2 trans	0.50	U	ug/L			100.00	ug/L			100.00	ug/L		
HW15a	Dichloroethylene-1,1	0.50	U	ug/L			7.00	ug/L			7.00	ug/L		
HW15a-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
HW15a	Dichloroethylene-1,2 cis	0.50	U	ug/L		70.00 ug/L		70.00 ug/L	
HW15a-P	Dichloroethylene-1,2 cis	0.50	U	ug/L		70.00 ug/L		70.00 ug/L	
HW15a	Dichloropropane, 1,2-	0.50	U	ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW15a-P	Dichloropropane, 1,2-	0.50	U	ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW15a	Dichloropropane, 1,3-	0.50	U	ug/L	290.00 ug/L				
HW15a-P	Dichloropropane, 1,3-	0.50	U	ug/L	290.00 ug/L				
HW15a	Dichloropropane, 2,2-	0.50	U	ug/L					
HW15a-P	Dichloropropane, 2,2-	0.50	U	ug/L					
HW15a	Dichloropropene, 1,1-	0.50	U	ug/L					
HW15a-P	Dichloropropene, 1,1-	0.50	U	ug/L					
HW15a	Dichloropropene, 1,3 cis-	0.50	U	ug/L					
HW15a-P	Dichloropropene, 1,3 cis-	0.50	U	ug/L					
HW15a	Dichloropropene, 1,3 trans-	0.50	U	ug/L					
HW15a-P	Dichloropropene, 1,3 trans-	0.50	U	ug/L					
HW15a	Ethylbenzene	0.50	U	ug/L		700.00 ug/L		700.00 ug/L	
HW15a-P	Ethylbenzene	0.50	U	ug/L		700.00 ug/L		700.00 ug/L	
HW15a	Freon 113	0.50	U	ug/L					
HW15a-P	Freon 113	0.50	U	ug/L					
HW15a	Hexanone, 2-	2.00	U	ug/L	34.00 ug/L				
HW15a-P	Hexanone, 2-	2.00	U	ug/L	34.00 ug/L				
HW15a	Isopropylbenzene	0.50	U	ug/L					
HW15a-P	Isopropylbenzene	0.50	U	ug/L					
HW15a	Isopropylbenzene-4,methyl-1	0.50	U	ug/L					
HW15a-P	Isopropylbenzene-4,methyl-1	0.50	U	ug/L					
HW15a	m,p-Xylene	1.00	U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW15a-P	m,p-Xylene	1.00	U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW15a	Methyl acetate	1.00	U	ug/L					
HW15a-P	Methyl acetate	1.00	U	ug/L					
HW15a	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	
HW15a-P	Methyl bromide	0.50	U	ug/L										
HW15a	Methyl chloride	0.50	U	ug/L										
HW15a-P	Methyl chloride	0.50	U	ug/L										
HW15a	Methyl cyclohexane	0.50	U	ug/L										
HW15a-P	Methyl cyclohexane	0.50	U	ug/L										
HW15a	Methyl ethyl ketone	2.00	U	ug/L	4,900.00	ug/L								
HW15a-P	Methyl ethyl ketone	2.00	U	ug/L	4,900.00	ug/L								
HW15a	Methyl tertiary butyl ether (MTBE)	0.50	U	ug/L										
HW15a-P	Methyl tertiary butyl ether (MTBE)	0.50	U	ug/L										
HW15a	Methylene chloride	0.50	U	ug/L			5.00	ug/L			5.00	ug/L		
HW15a-P	Methylene chloride	0.50	U	ug/L			5.00	ug/L			5.00	ug/L		
HW15a	Propylbenzene-n	0.50	U	ug/L										
HW15a-P	Propylbenzene-n	0.50	U	ug/L										
HW15a	Styrene	1.00	U	ug/L			100.00	ug/L			100.00	ug/L		
HW15a-P	Styrene	1.00	U	ug/L			100.00	ug/L			100.00	ug/L		
HW15a	Tetrachloroethane, 1,1,1,2-	0.50	U	ug/L	50.00	ug/L								
HW15a-P	Tetrachloroethane, 1,1,1,2-	0.50	U	ug/L	50.00	ug/L								
HW15a	Tetrachloroethane, 1,1,2,2-	0.50	U	ug/L	6.60	ug/L								
HW15a-P	Tetrachloroethane, 1,1,2,2-	0.50	U	ug/L	6.60	ug/L								
HW15a	Tetrachloroethylene	0.50	U	ug/L			5.00	ug/L			5.00	ug/L		
HW15a-P	Tetrachloroethylene	0.50	U	ug/L			5.00	ug/L			5.00	ug/L		
HW15a	Toluene	0.50	U	ug/L			1,000.00	ug/L			1,000.00	ug/L		
HW15a-P	Toluene	0.50	U	ug/L			1,000.00	ug/L			1,000.00	ug/L		
HW15a	Trichlorobenzene-1,2,3	0.50	U	ug/L	5.20	ug/L								
HW15a-P	Trichlorobenzene-1,2,3	0.50	U	ug/L	5.20	ug/L								
HW15a	Trichlorobenzene-1,2,4	0.50	U	ug/L	5.20	ug/L	70.00	ug/L			70.00	ug/L		
HW15a-P	Trichlorobenzene-1,2,4	0.50	U	ug/L	5.20	ug/L	70.00	ug/L			70.00	ug/L		
HW15a	Trichloroethane-1,1,1	0.50	U	ug/L	7,500.00	ug/L	200.00	ug/L			200.00	ug/L		
HW15a-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
HW15a	Trichloroethane-1,1,2	0.50	U	ug/L	0.41	ug/L	5.00	ug/L		5.00	ug/L	
HW15a-P	Trichloroethane-1,1,2	0.50	U	ug/L	0.41	ug/L	5.00	ug/L		5.00	ug/L	
HW15a	Trichloroethylene	0.50	U	ug/L			5.00	ug/L		5.00	ug/L	
HW15a-P	Trichloroethylene	0.50	U	ug/L			5.00	ug/L		5.00	ug/L	
HW15a	Trichlorofluoromethane	0.50	U	ug/L								
HW15a-P	Trichlorofluoromethane	0.50	U	ug/L								
HW15a	Trichloropropane-1,2,3	0.50	U	ug/L	0.07	ug/L						
HW15a-P	Trichloropropane-1,2,3	0.50	U	ug/L	0.07	ug/L						
HW15a	Trimethylbenzene-1,2,4	0.50	U	ug/L	15.00	ug/L						
HW15a-P	Trimethylbenzene-1,2,4	0.50	U	ug/L	15.00	ug/L						
HW15a	Trimethylbenzene-1,3,5	0.50	U	ug/L	87.00	ug/L						
HW15a-P	Trimethylbenzene-1,3,5	0.50	U	ug/L	87.00	ug/L						
HW15a	Vinyl acetate	0.50	U	ug/L								
HW15a-P	Vinyl acetate	0.50	U	ug/L								
HW15a	Vinyl chloride	0.50	U	ug/L			2.00	ug/L		2.00	ug/L	
HW15a-P	Vinyl chloride	0.50	U	ug/L			2.00	ug/L		2.00	ug/L	
HW15a	Xylene-o	1.00	U	ug/L			10,000.00	ug/L		10,000.00	ug/L	
HW15a-P	Xylene-o	1.00	U	ug/L			10,000.00	ug/L		10,000.00	ug/L	
HW15a	Nitrogen, Nitrite + Nitrate	0.05	U	mg/L			10.00	mg/L		10.00	mg/L	
HW15a-P	Nitrogen, Nitrite + Nitrate	0.05	U	mg/L			10.00	mg/L		10.00	mg/L	
HW15a	Total Nitrogen	1.00	U	mg/L								
HW15a-P	Total Nitrogen	1.00	UJ	mg/L								
HW15a	Total Phosphorus as P	0.05	U	mg/L								
HW15a-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