HW-23
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
HW23	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW23-P	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW23	1-Propanol	10,000.00	U	ug/L						
HW23-P	1-Propanol	10,000.00	U	ug/L						
HW23	2-Butanol	10,000.00	U	ug/L						
HW23-P	2-Butanol	10,000.00	U	ug/L						
HW23	Ethanol	10,000.00	U	ug/L						
HW23-P	Ethanol	10,000.00	U	ug/L						
HW23	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW23-P	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW23	Anionic Surfactants	0.01	U	mg/L						
HW23-P	Anionic Surfactants	0.01	U	mg/L						
HW23	Heterotrophic Plate Count		R	cfu/1mL						
HW23-P	Heterotrophic Plate Count		R	cfu/1mL						
HW23	Total Coliform Bacteria	1.00	U	cfu/100mL	0.00	cfu/100mL	5.00 %*			
HW23-P	Total Coliform Bacteria	1.00	U	cfu/100mL	0.00	cfu/100mL	5.00 %*			
HW23	Ethane	1.20	U	ug/L						
HW23-P	Ethane	1.20	U	ug/L						
HW23	Ethene	1.10	U	ug/L						
HW23-P	Ethene	1.10	U	ug/L						
HW23	Methane	3.60		ug/L	28,000.00	ug/L				
HW23-P	Methane	5.00		ug/L	28,000.00	ug/L				
HW23	2-Butoxyethanol	5.00	U	ug/L						
HW23-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	
HW23	2-Methoxyethanol	10.00	U	ug/L	78.00	ug/L								
HW23	2-Methoxyethanol		R	ug/L	78.00	ug/L								
HW23-P	2-Methoxyethanol		R	ug/L	78.00	ug/L								
HW23-P	2-Methoxyethanol	10.00	U	ug/L	78.00	ug/L								
HW23	Diethylene Glycol	25.00	U	ug/L	8,000.00	ug/L								
HW23-P	Diethylene Glycol	25.00	U	ug/L	8,000.00	ug/L								
HW23	Ethylene Glycol	10.00	U	mg/L	31,000.00	ug/L								
HW23-P	Ethylene Glycol	10.00	U	mg/L	31,000.00	ug/L								
HW23	Tetraethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW23-P	Tetraethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW23	Triethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW23-P	Triethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW23	Bromide	0.50	U	mg/L										
HW23-P	Bromide	0.50	U	mg/L										
HW23	Chloride	21.40		mg/L					250.00	mg/L			250.00	mg/L
HW23-P	Chloride	21.20		mg/L					250.00	mg/L			250.00	mg/L
HW23	Fluoride	0.10	U	mg/L	0.62	mg/L	4.00	mg/L	2.00	mg/L	2.00	mg/L		
HW23-P	Fluoride	0.10	U	mg/L	0.62	mg/L	4.00	mg/L	2.00	mg/L	2.00	mg/L		
HW23	Sulfate	8.32		mg/L					250.00	mg/L			250.00	mg/L
HW23-P	Sulfate	8.30		mg/L					250.00	mg/L			250.00	mg/L
HW23	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW23-F	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW23-P	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW23-PF	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW23	Aluminum	34.60		ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW23-F	Aluminum	30.00	U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW23-P	Aluminum	30.00	U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW23-PF	Aluminum	30.00	U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW23	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
HW23-F	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW23-P	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW23-PF	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW23	Arsenic	1.00	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW23-F	Arsenic	1.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW23-P	Arsenic	1.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW23-PF	Arsenic	1.30	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW23	Barium	185.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW23-F	Barium	182.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW23-P	Barium	193.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW23-PF	Barium	188.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW23	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW23-F	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW23-P	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW23-PF	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW23	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW23-F	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW23-P	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW23-PF	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW23	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW23-F	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW23-P	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW23-PF	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW23	Calcium	26,600.00	ug/L					
HW23-F	Calcium	26,500.00	ug/L					
HW23-P	Calcium	27,400.00	ug/L					
HW23-PF	Calcium	27,100.00	ug/L					
HW23	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW23-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
HW23-P	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW23-PF	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW23	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW23-F	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW23-P	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW23-PF	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW23	Copper	15.50	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW23-F	Copper	3.50	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW23-P	Copper	10.00	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW23-PF	Copper	7.90	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW23	Iron	375.00	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW23-F	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW23-P	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW23-PF	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW23	Lead	2.00	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW23-F	Lead	1.00 U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW23-P	Lead	1.00 U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW23-PF	Lead	1.00 U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW23	Lithium	200.00 U	ug/L	31.00 ug/L				
HW23-F	Lithium	200.00 U	ug/L	31.00 ug/L				
HW23-P	Lithium	200.00 U	ug/L	31.00 ug/L				
HW23-PF	Lithium	200.00 U	ug/L	31.00 ug/L				
HW23	Magnesium	4,980.00	ug/L					
HW23-F	Magnesium	4,950.00	ug/L					
HW23-P	Magnesium	5,110.00	ug/L					
HW23-PF	Magnesium	5,060.00	ug/L					
HW23	Manganese	14.80	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW23-F	Manganese	2.60	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW23-P	Manganese	4.20	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
HW23-PF	Manganese	2.30	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW23	Nickel	1.40	ug/L	300.00 ug/L				
HW23-F	Nickel	1.20	ug/L	300.00 ug/L				
HW23-P	Nickel	1.30	ug/L	300.00 ug/L				
HW23-PF	Nickel	1.20	ug/L	300.00 ug/L				
HW23	Potassium	2,000.00 U	ug/L					
HW23-F	Potassium	2,000.00 U	ug/L					
HW23-P	Potassium	2,000.00 U	ug/L					
HW23-PF	Potassium	2,000.00 U	ug/L					
HW23	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW23-F	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW23-P	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW23-PF	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW23	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW23-F	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW23-P	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW23-PF	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW23	Sodium	13,600.00	ug/L	20,000.00 ug/L				
HW23-F	Sodium	13,300.00	ug/L	20,000.00 ug/L				
HW23-P	Sodium	14,500.00	ug/L	20,000.00 ug/L				
HW23-PF	Sodium	14,200.00	ug/L	20,000.00 ug/L				
HW23	Strontium	359.00	ug/L	9,300.00 ug/L				
HW23-F	Strontium	357.00	ug/L	9,300.00 ug/L				
HW23-P	Strontium	370.00	ug/L	9,300.00 ug/L				
HW23-PF	Strontium	360.00	ug/L	9,300.00 ug/L				
HW23	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW23-F	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW23-P	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW23-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
HW23	Tin	200.00 U ug/L		9,300.00 ug/L				
HW23-F	Tin	200.00 U ug/L		9,300.00 ug/L				
HW23-P	Tin	200.00 U ug/L		9,300.00 ug/L				
HW23-PF	Tin	200.00 U ug/L		9,300.00 ug/L				
HW23	Titanium	200.00 U ug/L						
HW23-F	Titanium	200.00 U ug/L						
HW23-P	Titanium	200.00 U ug/L						
HW23-PF	Titanium	200.00 U ug/L						
HW23	Uranium	1.70 ug/L		47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW23-F	Uranium	1.80 ug/L		47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW23-P	Uranium	1.70 ug/L		47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW23-PF	Uranium	1.70 ug/L		47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW23	Vanadium	5.00 U ug/L		78.00 ug/L				
HW23-F	Vanadium	5.00 U ug/L		78.00 ug/L				
HW23-P	Vanadium	5.00 U ug/L		78.00 ug/L				
HW23-PF	Vanadium	5.00 U ug/L		78.00 ug/L				
HW23	Zinc	2.00 U ug/L		4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW23-F	Zinc	2.00 U ug/L		4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW23-P	Zinc	2.00 U ug/L		4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW23-PF	Zinc	2.00 U ug/L		4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW23	Oil and Grease	5.30 UJ mg/L						
HW23-P	Oil and Grease	5.20 UJ mg/L						
HW23	Total Dissolved Solids	154.00 U mg/L				500.00 mg/L		500.00 mg/L
HW23-P	Total Dissolved Solids	154.00 U mg/L				500.00 mg/L		500.00 mg/L
HW23	Total Suspended Solids	10.00 U mg/L						
HW23-P	Total Suspended Solids	10.00 U mg/L						
HW23	1-Methylnaphthalene	4.76 U ug/L		97.00 ug/L				
HW23-P	1-Methylnaphthalene	5.00 U ug/L		97.00 ug/L				
HW23	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
HW23-P	Acenaphthene	5.00 U	ug/L	400.00 ug/L				
HW23	Acenaphthylene	4.76 U	ug/L					
HW23-P	Acenaphthylene	5.00 U	ug/L					
HW23	Acetophenone	4.76 U	ug/L	1,500.00 ug/L				
HW23-P	Acetophenone	5.00 U	ug/L	1,500.00 ug/L				
HW23	Anthracene	4.76 U	ug/L	1,300.00 ug/L				
HW23-P	Anthracene	5.00 U	ug/L	1,300.00 ug/L				
HW23	Atrazine	4.76 U	ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW23-P	Atrazine	5.00 U	ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW23	Benzo(a)anthracene	4.76 U	ug/L	2.90 ug/L				
HW23-P	Benzo(a)anthracene	5.00 U	ug/L	2.90 ug/L				
HW23	Benzo(a)pyrene	4.76 U	ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW23-P	Benzo(a)pyrene	5.00 U	ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW23	Biphenyl	4.76 U	ug/L					
HW23-P	Biphenyl	5.00 U	ug/L					
HW23	Bromophenyl-4 Phenyl Ether	4.76 U	ug/L					
HW23-P	Bromophenyl-4 Phenyl Ether	5.00 U	ug/L					
HW23	Butylbenzyl phthalate	4.76 U	ug/L	1,400.00 ug/L				
HW23-P	Butylbenzyl phthalate	5.00 U	ug/L	1,400.00 ug/L				
HW23	Caprolactam	4.76 U	ug/L	7,700.00 ug/L				
HW23-P	Caprolactam	5.00 U	ug/L	7,700.00 ug/L				
HW23	Carbazole	4.76 U	ug/L					
HW23-P	Carbazole	5.00 U	ug/L					
HW23	Chlorobenzenamine-4	4.76 UJ	ug/L	3.20 ug/L				
HW23-P	Chlorobenzenamine-4	5.00 UJ	ug/L	3.20 ug/L				
HW23	Chloronaphthalene-2	4.76 U	ug/L	550.00 ug/L				
HW23-P	Chloronaphthalene-2	5.00 U	ug/L	550.00 ug/L				
HW23	Chlorophenol-2	4.76 U	ug/L	71.00 ug/L				
HW23-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
HW23	Chlorophenyl-4 phenyl ether	4.76	U	ug/L						
HW23-P	Chlorophenyl-4 phenyl ether	5.00	U	ug/L						
HW23	Chrysene	4.76	U	ug/L	290.00	ug/L				
HW23-P	Chrysene	5.00	U	ug/L	290.00	ug/L				
HW23	Cresol, parachloro meta-	4.76	U	ug/L						
HW23-P	Cresol, parachloro meta-	5.00	U	ug/L						
HW23	Cresol-4,6-dinitro-ortho	9.52	UJ	ug/L						
HW23-P	Cresol-4,6-dinitro-ortho	10.00	UJ	ug/L						
HW23	Cresol-o	4.76	U	ug/L	720.00	ug/L				
HW23-P	Cresol-o	5.00	U	ug/L	720.00	ug/L				
HW23	Cresol-p	4.76	U	ug/L	72.00	ug/L				
HW23-P	Cresol-p	5.00	U	ug/L	72.00	ug/L				
HW23	Dibenz(a,h)anthracene	4.76	U	ug/L	0.29	ug/L				
HW23-P	Dibenz(a,h)anthracene	5.00	U	ug/L	0.29	ug/L				
HW23	Dibenzofuran	4.76	U	ug/L						
HW23-P	Dibenzofuran	5.00	U	ug/L						
HW23	Dichlorobenzidine-3,3'		R	ug/L	11.00	ug/L				
HW23-P	Dichlorobenzidine-3,3'		R	ug/L	11.00	ug/L				
HW23	Dichlorophenol-2,4	4.76	U	ug/L	35.00	ug/L				
HW23-P	Dichlorophenol-2,4	5.00	U	ug/L	35.00	ug/L				
HW23	Dimethylphenol, 2,4-	4.76	U	ug/L	270.00	ug/L				
HW23-P	Dimethylphenol, 2,4-	5.00	U	ug/L	270.00	ug/L				
HW23	Dinitrophenol-2,4		R	ug/L	30.00	ug/L				
HW23-P	Dinitrophenol-2,4		R	ug/L	30.00	ug/L				
HW23	Dinitrotoluene-2,4	4.76	U	ug/L						
HW23-P	Dinitrotoluene-2,4	5.00	U	ug/L						
HW23	Dinitrotoluene-2,6	4.76	U	ug/L						
HW23-P	Dinitrotoluene-2,6	5.00	U	ug/L						
HW23	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
HW23-P	Ether, bis(2-chloroethyl)	5.00 U	ug/L	1.20 ug/L				
HW23	Ether-bis(2-chloroisopropyl)	4.76 U	ug/L					
HW23-P	Ether-bis(2-chloroisopropyl)	5.00 U	ug/L					
HW23	Fluoranthene	4.76 U	ug/L	630.00 ug/L				
HW23-P	Fluoranthene	5.00 U	ug/L	630.00 ug/L				
HW23	Fluoranthene benzo(k)	4.76 U	ug/L	29.00 ug/L				
HW23-P	Fluoranthene benzo(k)	5.00 U	ug/L	29.00 ug/L				
HW23	Fluoranthene-benzo(b)	4.76 U	ug/L	5.60 ug/L				
HW23-P	Fluoranthene-benzo(b)	5.00 U	ug/L	5.60 ug/L				
HW23	Fluorene	4.76 U	ug/L	220.00 ug/L				
HW23-P	Fluorene	5.00 U	ug/L	220.00 ug/L				
HW23	Hexachlorobenzene	4.76 U	ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW23-P	Hexachlorobenzene	5.00 U	ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW23	Hexachlorobutadiene	0.50 U	ug/L	26.00 ug/L				
HW23	Hexachlorobutadiene	4.76 U	ug/L	26.00 ug/L				
HW23-P	Hexachlorobutadiene	5.00 U	ug/L	26.00 ug/L				
HW23-P	Hexachlorobutadiene	0.50 U	ug/L	26.00 ug/L				
HW23	Hexachlorocyclopentadiene	4.76 U	ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW23-P	Hexachlorocyclopentadiene	5.00 U	ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW23	Hexachloroethane	4.76 U	ug/L	5.10 ug/L				
HW23-P	Hexachloroethane	5.00 U	ug/L	5.10 ug/L				
HW23	Isophorone	4.76 U	ug/L	6,700.00 ug/L				
HW23-P	Isophorone	5.00 U	ug/L	6,700.00 ug/L				
HW23	Methane, bis(2-chloroethoxy)	4.76 U	ug/L	47.00 ug/L				
HW23-P	Methane, bis(2-chloroethoxy)	5.00 U	ug/L	47.00 ug/L				
HW23	Methylnaphthalene-2	4.76 U	ug/L	27.00 ug/L				
HW23-P	Methylnaphthalene-2	5.00 U	ug/L	27.00 ug/L				
HW23	Naphthalene	0.50 U	ug/L	14.00 ug/L				
HW23	Naphthalene	4.76 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
HW23-P	Naphthalene	5.00 U	ug/L	14.00 ug/L				
HW23-P	Naphthalene	0.50 U	ug/L	14.00 ug/L				
HW23	Nitroaniline, ortho	4.76 U	ug/L	150.00 ug/L				
HW23-P	Nitroaniline, ortho	5.00 U	ug/L	150.00 ug/L				
HW23	Nitroaniline-3	4.76 U	ug/L					
HW23-P	Nitroaniline-3	5.00 U	ug/L					
HW23	Nitrobenzenamine-4	4.76 U	ug/L	61.00 ug/L				
HW23-P	Nitrobenzenamine-4	5.00 U	ug/L	61.00 ug/L				
HW23	Nitrobenzene	4.76 U	ug/L	12.00 ug/L				
HW23-P	Nitrobenzene	5.00 U	ug/L	12.00 ug/L				
HW23	Nitrophenol-2	4.76 U	ug/L					
HW23-P	Nitrophenol-2	5.00 U	ug/L					
HW23	Nitrophenol-4	9.52 U	ug/L					
HW23-P	Nitrophenol-4	10.00 U	ug/L					
HW23	Nitrosodimethylamine-n	4.76 U	ug/L	0.04 ug/L				
HW23-P	Nitrosodimethylamine-n	5.00 U	ug/L	0.04 ug/L				
HW23	Nitrosodiphenylamine-n	4.76 U	ug/L	1,000.00 ug/L				
HW23-P	Nitrosodiphenylamine-n	5.00 U	ug/L	1,000.00 ug/L				
HW23	Pentachlorophenol	4.76 U	ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW23-P	Pentachlorophenol	5.00 U	ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW23	Perylene-benzo(ghi)	4.76 U	ug/L					
HW23-P	Perylene-benzo(ghi)	5.00 U	ug/L					
HW23	Phenanthrene	4.76 U	ug/L					
HW23-P	Phenanthrene	5.00 U	ug/L					
HW23	Phenol	4.76 U	ug/L	4,500.00 ug/L				
HW23-P	Phenol	5.00 U	ug/L	4,500.00 ug/L				
HW23	Phthalate, bis(2-ethylhexyl) (DEHP)	4.76 U	ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW23-P	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U	ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW23	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
HW23-P	Phthalate, Dimethyl	5.00 U	ug/L	1,400.00 ug/L				
HW23	Phthalate, di-n-butyl-	4.76 U	ug/L	670.00 ug/L				
HW23-P	Phthalate, di-n-butyl-	5.00 U	ug/L	670.00 ug/L				
HW23	Phthalate, di-n-octyl	4.76 U	ug/L					
HW23-P	Phthalate, di-n-octyl	5.00 U	ug/L					
HW23	Phthalate-diethyl	4.76 U	ug/L	11,000.00 ug/L				
HW23-P	Phthalate-diethyl	5.00 U	ug/L	11,000.00 ug/L				
HW23	Propylamine,n-nitroso di-n-	4.76 U	ug/L	0.93 ug/L				
HW23-P	Propylamine,n-nitroso di-n-	5.00 U	ug/L	0.93 ug/L				
HW23	Pyrene	4.76 U	ug/L	87.00 ug/L				
HW23-P	Pyrene	5.00 U	ug/L	87.00 ug/L				
HW23	Pyrene-indeno(1,2,3-cd)	4.76 U	ug/L	3.00 ug/L				
HW23-P	Pyrene-indeno(1,2,3-cd)	5.00 U	ug/L	3.00 ug/L				
HW23	Tetrachlorobenzene, 1,2,4,5-	4.76 U	ug/L	1.20 ug/L				
HW23-P	Tetrachlorobenzene, 1,2,4,5-	5.00 U	ug/L	1.20 ug/L				
HW23	Tetrachlorophenol, 2,3,4,6-	4.76 U	ug/L	170.00 ug/L				
HW23-P	Tetrachlorophenol, 2,3,4,6-	5.00 U	ug/L	170.00 ug/L				
HW23	Trichlorophenol-2,4,5	4.76 U	ug/L	890.00 ug/L				
HW23-P	Trichlorophenol-2,4,5	5.00 U	ug/L	890.00 ug/L				
HW23	Trichlorophenol-2,4,6	4.76 U	ug/L	9.04 ug/L				
HW23-P	Trichlorophenol-2,4,6	5.00 U	ug/L	9.04 ug/L				
HW23	TPH - Diesel Range Organics	250.00 U	ug/L					
HW23-P	TPH - Diesel Range Organics	250.00 U	ug/L					
HW23	TPH - Gasoline Range Organics	50.00 U	ug/L					
HW23-P	TPH - Gasoline Range Organics	50.00 U	ug/L					
HW23	TPH - Oil Range Organics	1,000.00 U	ug/L					
HW23-P	TPH - Oil Range Organics	1,000.00 U	ug/L					
HW23	1,2-Dibromo-3-chloropropane (DBCP)	0.50 U	ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW23-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
HW23	4-Methyl-2-pentanone	2.00 U	ug/L	1,000.00 ug/L				
HW23-P	4-Methyl-2-pentanone	2.00 U	ug/L	1,000.00 ug/L				
HW23	Acetone	2.00 U	ug/L					
HW23-P	Acetone	2.00 U	ug/L					
HW23	Benzene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW23-P	Benzene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW23	Bromobenzene	0.50 U	ug/L					
HW23-P	Bromobenzene	0.50 U	ug/L					
HW23	Bromoform	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW23-P	Bromoform	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW23	Butylbenzene	0.50 U	ug/L					
HW23-P	Butylbenzene	0.50 U	ug/L					
HW23	Butylbenzene, sec-	0.50 U	ug/L					
HW23-P	Butylbenzene, sec-	0.50 U	ug/L					
HW23	Butylbenzene, tert-	0.50 U	ug/L					
HW23-P	Butylbenzene, tert-	0.50 U	ug/L					
HW23	Carbon disulfide	0.50 U	ug/L					
HW23-P	Carbon disulfide	0.50 U	ug/L					
HW23	Carbon Tetrachloride	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW23-P	Carbon Tetrachloride	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW23	Chlorobenzene	0.50 U	ug/L		100.00 ug/L			
HW23-P	Chlorobenzene	0.50 U	ug/L		100.00 ug/L			
HW23	Chlorobromomethane	0.50 U	ug/L					
HW23-P	Chlorobromomethane	0.50 U	ug/L					
HW23	Chloroethane	0.50 U	ug/L					
HW23-P	Chloroethane	0.50 U	ug/L					
HW23	Chloroform	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW23-P	Chloroform	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW23	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
HW23-P	Chlorotoluene	0.50 U	ug/L	180.00 ug/L				
HW23	Chlorotoluene-p	0.50 U	ug/L	190.00 ug/L				
HW23-P	Chlorotoluene-p	0.50 U	ug/L	190.00 ug/L				
HW23	Cyclohexane	0.50 U	ug/L					
HW23-P	Cyclohexane	0.50 U	ug/L					
HW23	Dibromochloromethane	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW23-P	Dibromochloromethane	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW23	Dibromoethane-1,2	0.50 U	ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW23-P	Dibromoethane-1,2	0.50 U	ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW23	Dibromomethane	0.50 U	ug/L					
HW23-P	Dibromomethane	0.50 U	ug/L					
HW23	Dichlorobenzene-1,2	0.50 U	ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW23-P	Dichlorobenzene-1,2	0.50 U	ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW23	Dichlorobenzene-1,3	0.50 U	ug/L					
HW23-P	Dichlorobenzene-1,3	0.50 U	ug/L					
HW23	Dichlorobenzene-1,4	0.50 U	ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW23-P	Dichlorobenzene-1,4	0.50 U	ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW23	Dichlorobromomethane	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW23-P	Dichlorobromomethane	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW23	Dichlorodifluoromethane	0.50 U	ug/L					
HW23-P	Dichlorodifluoromethane	0.50 U	ug/L					
HW23	Dichloroethane-1,1	0.50 U	ug/L	240.00 ug/L				
HW23-P	Dichloroethane-1,1	0.50 U	ug/L	240.00 ug/L				
HW23	Dichloroethane-1,2	0.50 U	ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW23-P	Dichloroethane-1,2	0.50 U	ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW23	Dichloroethene-1,2 trans	0.50 U	ug/L		100.00 ug/L		100.00 ug/L	
HW23-P	Dichloroethene-1,2 trans	0.50 U	ug/L		100.00 ug/L		100.00 ug/L	
HW23	Dichloroethylene-1,1	0.50 U	ug/L		7.00 ug/L		7.00 ug/L	
HW23-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
HW23	Dichloroethylene-1,2 cis	0.50 U	ug/L		70.00 ug/L		70.00 ug/L	
HW23-P	Dichloroethylene-1,2 cis	0.50 U	ug/L		70.00 ug/L		70.00 ug/L	
HW23	Dichloropropane, 1,2-	0.50 U	ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW23-P	Dichloropropane, 1,2-	0.50 U	ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW23	Dichloropropane, 1,3-	0.50 U	ug/L	290.00 ug/L				
HW23-P	Dichloropropane, 1,3-	0.50 U	ug/L	290.00 ug/L				
HW23	Dichloropropane, 2,2-	0.50 U	ug/L					
HW23-P	Dichloropropane, 2,2-	0.50 U	ug/L					
HW23	Dichloropropene, 1,1-	0.50 U	ug/L					
HW23-P	Dichloropropene, 1,1-	0.50 U	ug/L					
HW23	Dichloropropene, 1,3 cis-	0.50 U	ug/L					
HW23-P	Dichloropropene, 1,3 cis-	0.50 U	ug/L					
HW23	Dichloropropene, 1,3 trans-	0.50 U	ug/L					
HW23-P	Dichloropropene, 1,3 trans-	0.50 U	ug/L					
HW23	Ethylbenzene	0.50 U	ug/L		700.00 ug/L		700.00 ug/L	
HW23-P	Ethylbenzene	0.50 U	ug/L		700.00 ug/L		700.00 ug/L	
HW23	Freon 113	0.50 U	ug/L					
HW23-P	Freon 113	0.50 U	ug/L					
HW23	Hexanone, 2-	2.00 U	ug/L	34.00 ug/L				
HW23-P	Hexanone, 2-	2.00 U	ug/L	34.00 ug/L				
HW23	Isopropylbenzene	0.50 U	ug/L					
HW23-P	Isopropylbenzene	0.50 U	ug/L					
HW23	Isopropylbenzene-4,methyl-1	0.50 U	ug/L					
HW23-P	Isopropylbenzene-4,methyl-1	0.50 U	ug/L					
HW23	m,p-Xylene	1.00 U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW23-P	m,p-Xylene	1.00 U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW23	Methyl acetate	0.50 U	ug/L					
HW23-P	Methyl acetate	0.50 U	ug/L					
HW23	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
HW23-P	Methyl bromide	0.50 U	ug/L					
HW23	Methyl chloride	0.50 U	ug/L					
HW23-P	Methyl chloride	0.50 U	ug/L					
HW23	Methyl cyclohexane	0.50 U	ug/L					
HW23-P	Methyl cyclohexane	0.50 U	ug/L					
HW23	Methyl ethyl ketone	2.00 U	ug/L	4,900.00 ug/L				
HW23-P	Methyl ethyl ketone	2.00 U	ug/L	4,900.00 ug/L				
HW23	Methyl tertiary butyl ether (MTBE)	0.50 U	ug/L					
HW23-P	Methyl tertiary butyl ether (MTBE)	0.50 U	ug/L					
HW23	Methylene chloride	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW23-P	Methylene chloride	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW23	Propylbenzene-n	0.50 U	ug/L					
HW23-P	Propylbenzene-n	0.50 U	ug/L					
HW23	Styrene	1.00 U	ug/L		100.00 ug/L		100.00 ug/L	
HW23-P	Styrene	1.00 U	ug/L		100.00 ug/L		100.00 ug/L	
HW23	Tetrachloroethane, 1,1,1,2-	0.50 U	ug/L	50.00 ug/L				
HW23-P	Tetrachloroethane, 1,1,1,2-	0.50 U	ug/L	50.00 ug/L				
HW23	Tetrachloroethane, 1,1,2,2-	0.50 U	ug/L	6.60 ug/L				
HW23-P	Tetrachloroethane, 1,1,2,2-	0.50 U	ug/L	6.60 ug/L				
HW23	Tetrachloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW23-P	Tetrachloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW23	Toluene	0.50 U	ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW23-P	Toluene	0.50 U	ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW23	Trichlorobenzene-1,2,3	0.50 U	ug/L	5.20 ug/L				
HW23-P	Trichlorobenzene-1,2,3	0.50 U	ug/L	5.20 ug/L				
HW23	Trichlorobenzene-1,2,4	0.50 U	ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW23-P	Trichlorobenzene-1,2,4	0.50 U	ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW23	Trichloroethane-1,1,1	0.50 U	ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW23-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
HW23	Trichloroethane-1,1,2	0.50 U	ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW23-P	Trichloroethane-1,1,2	0.50 U	ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW23	Trichloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW23-P	Trichloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW23	Trichlorofluoromethane	0.50 U	ug/L					
HW23-P	Trichlorofluoromethane	0.50 U	ug/L					
HW23	Trichloropropane-1,2,3	0.50 U	ug/L	0.07 ug/L				
HW23-P	Trichloropropane-1,2,3	0.50 U	ug/L	0.07 ug/L				
HW23	Trimethylbenzene-1,2,4	0.50 U	ug/L	15.00 ug/L				
HW23-P	Trimethylbenzene-1,2,4	0.50 U	ug/L	15.00 ug/L				
HW23	Trimethylbenzene-1,3,5	0.50 U	ug/L	87.00 ug/L				
HW23-P	Trimethylbenzene-1,3,5	0.50 U	ug/L	87.00 ug/L				
HW23	Vinyl acetate	0.50 U	ug/L					
HW23-P	Vinyl acetate	0.50 U	ug/L					
HW23	Vinyl chloride	0.50 U	ug/L		2.00 ug/L		2.00 ug/L	
HW23-P	Vinyl chloride	0.50 U	ug/L		2.00 ug/L		2.00 ug/L	
HW23	Xylene-o	1.00 U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW23-P	Xylene-o	1.00 U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW23	Nitrogen, Nitrite + Nitrate	0.91	mg/L		10.00 mg/L		10.00 mg/L	
HW23-P	Nitrogen, Nitrite + Nitrate	0.92	mg/L		10.00 mg/L		10.00 mg/L	
HW23	Total Nitrogen	1.00 U	mg/L					
HW23-P	Total Nitrogen	1.00 U	mg/L					
HW23	Total Phosphorus as P	0.05 U	mg/L					
HW23-P	Total Phosphorus as P	0.05 U	mg/L					

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,

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