HW-43
EPA Validated Data Summary Report
Dimock Residential Sampling
Sample Date: 2/6/2012

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW43	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW43-P	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW43	1-Propanol	10,000.00	U	ug/L						
HW43-P	1-Propanol	10,000.00	U	ug/L						
HW43	2-Butanol	10,000.00	U	ug/L						
HW43-P	2-Butanol	10,000.00	U	ug/L						
HW43	Ethanol	10,000.00	U	ug/L						
HW43-P	Ethanol	10,000.00	U	ug/L						
HW43	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW43-P	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW43	Anionic Surfactants	0.01	U	mg/L						
HW43-P	Anionic Surfactants	0.01	U	mg/L						
HW43	Heterotrophic Plate Count		R	cfu/1mL						
HW43-P	Heterotrophic Plate Count		R	cfu/1mL						
HW43	Total Coliform Bacteria	1.00	U	cfu/100mL	0.00	cfu/100mL	5.00 %*			
HW43-P	Total Coliform Bacteria	1.00	U	cfu/100mL	0.00	cfu/100mL	5.00 %*			
HW43	Ethane	1.20	U	ug/L						
HW43-P	Ethane	1.20	U	ug/L						
HW43	Ethene	1.10	U	ug/L						
HW43-P	Ethene	1.10	U	ug/L						
HW43	Methane	1.20	U	ug/L	28,000.00	ug/L				
HW43-P	Methane	1.20	U	ug/L	28,000.00	ug/L				
HW43	2-Butoxyethanol	5.00	U	ug/L						
HW43-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
HW43	2-Methoxyethanol	10.00 U	ug/L	78.00 ug/L				
HW43	2-Methoxyethanol	60.00 U	ug/L	78.00 ug/L				
HW43-P	2-Methoxyethanol	60.00 U	ug/L	78.00 ug/L				
HW43-P	2-Methoxyethanol	10.00 U	ug/L	78.00 ug/L				
HW43	Diethylene Glycol	50.00 U	ug/L	8,000.00 ug/L				
HW43-P	Diethylene Glycol	50.00 U	ug/L	8,000.00 ug/L				
HW43	Ethylene Glycol	10.00 U	mg/L	31,000.00 ug/L				
HW43-P	Ethylene Glycol	10.00 U	mg/L	31,000.00 ug/L				
HW43	Tetraethylene glycol	25.00 U	ug/L	8,000.00 ug/L				
HW43-P	Tetraethylene glycol	25.00 U	ug/L	8,000.00 ug/L				
HW43	Triethylene glycol	25.00 U	ug/L	8,000.00 ug/L				
HW43-P	Triethylene glycol	25.00 U	ug/L	8,000.00 ug/L				
HW43	Bromide	0.50 U	mg/L					
HW43-P	Bromide	0.50 U	mg/L					
HW43	Chloride	11.20	mg/L			250.00 mg/L		250.00 mg/L
HW43-P	Chloride	11.10	mg/L			250.00 mg/L		250.00 mg/L
HW43	Fluoride	0.10 U	mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW43-P	Fluoride	0.10 U	mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW43	Sulfate	11.90	mg/L			250.00 mg/L		250.00 mg/L
HW43-P	Sulfate	11.90	mg/L			250.00 mg/L		250.00 mg/L
HW43	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW43-F	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW43-P	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW43-PF	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW43	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW43-F	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW43-P	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW43-PF	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW43	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
HW43-F	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW43-P	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW43-PF	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW43	Arsenic	1.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW43-F	Arsenic	1.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW43-P	Arsenic	1.10	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW43-PF	Arsenic	1.30	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW43	Barium	213.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW43-F	Barium	206.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW43-P	Barium	213.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW43-PF	Barium	200.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW43	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW43-F	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW43-P	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW43-PF	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW43	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW43-F	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW43-P	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW43-PF	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW43	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW43-F	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW43-P	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW43-PF	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW43	Calcium	37,100.00	ug/L					
HW43-F	Calcium	35,500.00	ug/L					
HW43-P	Calcium	36,200.00	ug/L					
HW43-PF	Calcium	36,000.00	ug/L					
HW43	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW43-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
HW43-P	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW43-PF	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW43	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW43-F	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW43-P	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW43-PF	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW43	Copper	3.60	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW43-F	Copper	2.40	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW43-P	Copper	3.70	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW43-PF	Copper	3.10	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW43	Iron	240.00	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW43-F	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW43-P	Iron	204.00	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW43-PF	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW43	Lead	1.00 U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW43-F	Lead	1.00 U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW43-P	Lead	1.00 U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW43-PF	Lead	1.00 U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW43	Lithium	200.00 U	ug/L	31.00 ug/L				
HW43-F	Lithium	200.00 U	ug/L	31.00 ug/L				
HW43-P	Lithium	200.00 U	ug/L	31.00 ug/L				
HW43-PF	Lithium	200.00 U	ug/L	31.00 ug/L				
HW43	Magnesium	8,210.00	ug/L					
HW43-F	Magnesium	7,870.00	ug/L					
HW43-P	Magnesium	8,010.00	ug/L					
HW43-PF	Magnesium	7,920.00	ug/L					
HW43	Manganese	1.90	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW43-F	Manganese	1.00 U	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW43-P	Manganese	1.60	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
HW43-PF	Manganese	1.00 U	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW43	Nickel	1.40	ug/L	300.00 ug/L				
HW43-F	Nickel	1.40	ug/L	300.00 ug/L				
HW43-P	Nickel	1.40	ug/L	300.00 ug/L				
HW43-PF	Nickel	1.40	ug/L	300.00 ug/L				
HW43	Potassium	2,000.00 U	ug/L					
HW43-F	Potassium	2,000.00 U	ug/L					
HW43-P	Potassium	2,000.00 U	ug/L					
HW43-PF	Potassium	2,000.00 U	ug/L					
HW43	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW43-F	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW43-P	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW43-PF	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW43	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW43-F	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW43-P	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW43-PF	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW43	Sodium	10,900.00	ug/L	20,000.00 ug/L				
HW43-F	Sodium	10,600.00	ug/L	20,000.00 ug/L				
HW43-P	Sodium	10,700.00	ug/L	20,000.00 ug/L				
HW43-PF	Sodium	10,800.00	ug/L	20,000.00 ug/L				
HW43	Strontium	484.00	ug/L	9,300.00 ug/L				
HW43-F	Strontium	468.00	ug/L	9,300.00 ug/L				
HW43-P	Strontium	474.00	ug/L	9,300.00 ug/L				
HW43-PF	Strontium	478.00	ug/L	9,300.00 ug/L				
HW43	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW43-F	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW43-P	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW43-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
HW43	Tin	200.00 U ug/L		9,300.00 ug/L				
HW43-F	Tin	200.00 U ug/L		9,300.00 ug/L				
HW43-P	Tin	200.00 U ug/L		9,300.00 ug/L				
HW43-PF	Tin	200.00 U ug/L		9,300.00 ug/L				
HW43	Titanium	200.00 U ug/L						
HW43-F	Titanium	200.00 U ug/L						
HW43-P	Titanium	200.00 U ug/L						
HW43-PF	Titanium	200.00 U ug/L						
HW43	Uranium	4.00 ug/L		47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW43-F	Uranium	3.90 ug/L		47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW43-P	Uranium	4.00 ug/L		47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW43-PF	Uranium	3.80 ug/L		47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW43	Vanadium	5.00 U ug/L		78.00 ug/L				
HW43-F	Vanadium	5.00 U ug/L		78.00 ug/L				
HW43-P	Vanadium	5.00 U ug/L		78.00 ug/L				
HW43-PF	Vanadium	5.00 U ug/L		78.00 ug/L				
HW43	Zinc	2.00 U ug/L		4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW43-F	Zinc	2.00 U ug/L		4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW43-P	Zinc	4.20 ug/L		4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW43-PF	Zinc	3.70 ug/L		4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW43	Oil and Grease	5.30 UJ mg/L						
HW43-P	Oil and Grease	5.30 UJ mg/L						
HW43	Total Dissolved Solids	162.00 mg/L				500.00 mg/L		500.00 mg/L
HW43-P	Total Dissolved Solids	168.00 mg/L				500.00 mg/L		500.00 mg/L
HW43	Total Suspended Solids	10.00 U mg/L						
HW43-P	Total Suspended Solids	10.00 U mg/L						
HW43	1-Methylnaphthalene	4.76 U ug/L		97.00 ug/L				
HW43-P	1-Methylnaphthalene	5.00 U ug/L		97.00 ug/L				
HW43	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
HW43-P	Acenaphthene	5.00 U	ug/L	400.00 ug/L				
HW43	Acenaphthylene	4.76 U	ug/L					
HW43-P	Acenaphthylene	5.00 U	ug/L					
HW43	Acetophenone	4.76 U	ug/L	1,500.00 ug/L				
HW43-P	Acetophenone	5.00 U	ug/L	1,500.00 ug/L				
HW43	Anthracene	4.76 U	ug/L	1,300.00 ug/L				
HW43-P	Anthracene	5.00 U	ug/L	1,300.00 ug/L				
HW43	Atrazine	4.76 U	ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW43-P	Atrazine	5.00 U	ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW43	Benzo(a)anthracene	4.76 U	ug/L	2.90 ug/L				
HW43-P	Benzo(a)anthracene	5.00 U	ug/L	2.90 ug/L				
HW43	Benzo(a)pyrene	4.76 U	ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW43-P	Benzo(a)pyrene	5.00 U	ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW43	Biphenyl	4.76 U	ug/L					
HW43-P	Biphenyl	5.00 U	ug/L					
HW43	Bromophenyl-4 Phenyl Ether	4.76 U	ug/L					
HW43-P	Bromophenyl-4 Phenyl Ether	5.00 U	ug/L					
HW43	Butylbenzyl phthalate	4.76 U	ug/L	1,400.00 ug/L				
HW43-P	Butylbenzyl phthalate	5.00 U	ug/L	1,400.00 ug/L				
HW43	Caprolactam	4.76 U	ug/L	7,700.00 ug/L				
HW43-P	Caprolactam	5.00 U	ug/L	7,700.00 ug/L				
HW43	Carbazole	4.76 U	ug/L					
HW43-P	Carbazole	5.00 U	ug/L					
HW43	Chlorobenzenamine-4	60.00 U	ug/L	3.20 ug/L				
HW43-P	Chlorobenzenamine-4	60.00 U	ug/L	3.20 ug/L				
HW43	Chloronaphthalene-2	4.76 U	ug/L	550.00 ug/L				
HW43-P	Chloronaphthalene-2	5.00 U	ug/L	550.00 ug/L				
HW43	Chlorophenol-2	4.76 U	ug/L	71.00 ug/L				
HW43-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
HW43	Chlorophenyl-4 phenyl ether	4.76	U	ug/L						
HW43-P	Chlorophenyl-4 phenyl ether	5.00	U	ug/L						
HW43	Chrysene	4.76	U	ug/L	290.00	ug/L				
HW43-P	Chrysene	5.00	U	ug/L	290.00	ug/L				
HW43	Cresol, parachloro meta-	4.76	U	ug/L						
HW43-P	Cresol, parachloro meta-	5.00	U	ug/L						
HW43	Cresol-4,6-dinitro-ortho	9.52	U	ug/L						
HW43-P	Cresol-4,6-dinitro-ortho	10.00	U	ug/L						
HW43	Cresol-o	4.76	U	ug/L	720.00	ug/L				
HW43-P	Cresol-o	5.00	U	ug/L	720.00	ug/L				
HW43	Cresol-p	4.76	U	ug/L	72.00	ug/L				
HW43-P	Cresol-p	5.00	U	ug/L	72.00	ug/L				
HW43	Dibenz(a,h)anthracene	4.76	U	ug/L	0.29	ug/L				
HW43-P	Dibenz(a,h)anthracene	5.00	U	ug/L	0.29	ug/L				
HW43	Dibenzofuran	4.76	U	ug/L						
HW43-P	Dibenzofuran	5.00	U	ug/L						
HW43	Dichlorobenzidine-3,3'		R	ug/L	11.00	ug/L				
HW43-P	Dichlorobenzidine-3,3'		R	ug/L	11.00	ug/L				
HW43	Dichlorophenol-2,4	4.76	U	ug/L	35.00	ug/L				
HW43-P	Dichlorophenol-2,4	5.00	U	ug/L	35.00	ug/L				
HW43	Dimethylphenol, 2,4-	4.76	U	ug/L	270.00	ug/L				
HW43-P	Dimethylphenol, 2,4-	5.00	U	ug/L	270.00	ug/L				
HW43	Dinitrophenol-2,4	4.76	U	ug/L	30.00	ug/L				
HW43-P	Dinitrophenol-2,4	5.00	U	ug/L	30.00	ug/L				
HW43	Dinitrotoluene-2,4	4.76	U	ug/L						
HW43-P	Dinitrotoluene-2,4	5.00	U	ug/L						
HW43	Dinitrotoluene-2,6	4.76	U	ug/L						
HW43-P	Dinitrotoluene-2,6	5.00	U	ug/L						
HW43	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
HW43-P	Ether, bis(2-chloroethyl)	5.00 U	ug/L	1.20 ug/L				
HW43	Ether-bis(2-chloroisopropyl)	4.76 U	ug/L					
HW43-P	Ether-bis(2-chloroisopropyl)	5.00 U	ug/L					
HW43	Fluoranthene	4.76 U	ug/L	630.00 ug/L				
HW43-P	Fluoranthene	5.00 U	ug/L	630.00 ug/L				
HW43	Fluoranthene benzo(k)	4.76 U	ug/L	29.00 ug/L				
HW43-P	Fluoranthene benzo(k)	5.00 U	ug/L	29.00 ug/L				
HW43	Fluoranthene-benzo(b)	4.76 U	ug/L	5.60 ug/L				
HW43-P	Fluoranthene-benzo(b)	5.00 U	ug/L	5.60 ug/L				
HW43	Fluorene	4.76 U	ug/L	220.00 ug/L				
HW43-P	Fluorene	5.00 U	ug/L	220.00 ug/L				
HW43	Hexachlorobenzene	4.76 U	ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW43-P	Hexachlorobenzene	5.00 U	ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW43	Hexachlorobutadiene	4.76 U	ug/L	26.00 ug/L				
HW43	Hexachlorobutadiene	0.50 U	ug/L	26.00 ug/L				
HW43-P	Hexachlorobutadiene	0.50 U	ug/L	26.00 ug/L				
HW43-P	Hexachlorobutadiene	5.00 U	ug/L	26.00 ug/L				
HW43	Hexachlorocyclopentadiene	4.76 U	ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW43-P	Hexachlorocyclopentadiene	5.00 U	ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW43	Hexachloroethane	4.76 U	ug/L	5.10 ug/L				
HW43-P	Hexachloroethane	5.00 U	ug/L	5.10 ug/L				
HW43	Isophorone	4.76 U	ug/L	6,700.00 ug/L				
HW43-P	Isophorone	5.00 U	ug/L	6,700.00 ug/L				
HW43	Methane, bis(2-chloroethoxy)	4.76 U	ug/L	47.00 ug/L				
HW43-P	Methane, bis(2-chloroethoxy)	5.00 U	ug/L	47.00 ug/L				
HW43	Methylnaphthalene-2	4.76 U	ug/L	27.00 ug/L				
HW43-P	Methylnaphthalene-2	5.00 U	ug/L	27.00 ug/L				
HW43	Naphthalene	0.50 U	ug/L	14.00 ug/L				
HW43	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
HW43-P	Naphthalene	5.00 U	ug/L	14.00 ug/L				
HW43-P	Naphthalene	0.50 U	ug/L	14.00 ug/L				
HW43	Nitroaniline, ortho	4.76 U	ug/L	150.00 ug/L				
HW43-P	Nitroaniline, ortho	5.00 U	ug/L	150.00 ug/L				
HW43	Nitroaniline-3	60.00 U	ug/L					
HW43-P	Nitroaniline-3	60.00 U	ug/L					
HW43	Nitrobenzenamine-4	4.76 U	ug/L	61.00 ug/L				
HW43-P	Nitrobenzenamine-4	5.00 U	ug/L	61.00 ug/L				
HW43	Nitrobenzene	4.76 U	ug/L	12.00 ug/L				
HW43-P	Nitrobenzene	5.00 U	ug/L	12.00 ug/L				
HW43	Nitrophenol-2	4.76 U	ug/L					
HW43-P	Nitrophenol-2	5.00 U	ug/L					
HW43	Nitrophenol-4	9.52 U	ug/L					
HW43-P	Nitrophenol-4	10.00 U	ug/L					
HW43	Nitrosodimethylamine-n	4.76 U	ug/L	0.04 ug/L				
HW43-P	Nitrosodimethylamine-n	5.00 U	ug/L	0.04 ug/L				
HW43	Nitrosodiphenylamine-n	4.76 U	ug/L	1,000.00 ug/L				
HW43-P	Nitrosodiphenylamine-n	5.00 U	ug/L	1,000.00 ug/L				
HW43	Pentachlorophenol	4.76 U	ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW43-P	Pentachlorophenol	5.00 U	ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW43	Perylene-benzo(ghi)	4.76 U	ug/L					
HW43-P	Perylene-benzo(ghi)	5.00 U	ug/L					
HW43	Phenanthrene	4.76 U	ug/L					
HW43-P	Phenanthrene	5.00 U	ug/L					
HW43	Phenol	4.76 U	ug/L	4,500.00 ug/L				
HW43-P	Phenol	5.00 U	ug/L	4,500.00 ug/L				
HW43	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U	ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW43-P	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U	ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW43	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
HW43-P	Phthalate, Dimethyl	5.00 U	ug/L	1,400.00 ug/L				
HW43	Phthalate, di-n-butyl-	5.00 U	ug/L	670.00 ug/L				
HW43-P	Phthalate, di-n-butyl-	5.00 U	ug/L	670.00 ug/L				
HW43	Phthalate, di-n-octyl	4.76 U	ug/L					
HW43-P	Phthalate, di-n-octyl	5.00 U	ug/L					
HW43	Phthalate-diethyl	5.00 U	ug/L	11,000.00 ug/L				
HW43-P	Phthalate-diethyl	5.00 U	ug/L	11,000.00 ug/L				
HW43	Propylamine,n-nitroso di-n-	4.76 U	ug/L	0.93 ug/L				
HW43-P	Propylamine,n-nitroso di-n-	5.00 U	ug/L	0.93 ug/L				
HW43	Pyrene	4.76 U	ug/L	87.00 ug/L				
HW43-P	Pyrene	5.00 U	ug/L	87.00 ug/L				
HW43	Pyrene-indeno(1,2,3-cd)	4.76 U	ug/L	3.00 ug/L				
HW43-P	Pyrene-indeno(1,2,3-cd)	5.00 U	ug/L	3.00 ug/L				
HW43	Tetrachlorobenzene, 1,2,4,5-	4.76 U	ug/L	1.20 ug/L				
HW43-P	Tetrachlorobenzene, 1,2,4,5-	5.00 U	ug/L	1.20 ug/L				
HW43	Tetrachlorophenol, 2,3,4,6-	4.76 U	ug/L	170.00 ug/L				
HW43-P	Tetrachlorophenol, 2,3,4,6-	5.00 U	ug/L	170.00 ug/L				
HW43	Trichlorophenol-2,4,5	4.76 U	ug/L	890.00 ug/L				
HW43-P	Trichlorophenol-2,4,5	5.00 U	ug/L	890.00 ug/L				
HW43	Trichlorophenol-2,4,6	4.76 U	ug/L	9.04 ug/L				
HW43-P	Trichlorophenol-2,4,6	5.00 U	ug/L	9.04 ug/L				
HW43	TPH - Diesel Range Organics	250.00 U	ug/L					
HW43-P	TPH - Diesel Range Organics	250.00 U	ug/L					
HW43	TPH - Gasoline Range Organics	50.00 U	ug/L					
HW43-P	TPH - Gasoline Range Organics	50.00 U	ug/L					
HW43	TPH - Oil Range Organics	1,000.00 U	ug/L					
HW43-P	TPH - Oil Range Organics	1,000.00 U	ug/L					
HW43	1,2-Dibromo-3-chloropropane (DBCP)	2.00 U	ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW43-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
HW43	4-Methyl-2-pentanone	2.00 U	ug/L	1,000.00 ug/L				
HW43-P	4-Methyl-2-pentanone	2.00 U	ug/L	1,000.00 ug/L				
HW43	Acetone	2.00 U	ug/L					
HW43-P	Acetone	2.00 U	ug/L					
HW43	Benzene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW43-P	Benzene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW43	Bromobenzene	0.50 U	ug/L					
HW43-P	Bromobenzene	0.50 U	ug/L					
HW43	Bromoform	1.00 U	ug/L		80.00 ug/L		80.00 ug/L	
HW43-P	Bromoform	1.00 U	ug/L		80.00 ug/L		80.00 ug/L	
HW43	Butylbenzene	0.50 U	ug/L					
HW43-P	Butylbenzene	0.50 U	ug/L					
HW43	Butylbenzene, sec-	0.50 U	ug/L					
HW43-P	Butylbenzene, sec-	0.50 U	ug/L					
HW43	Butylbenzene, tert-	0.50 U	ug/L					
HW43-P	Butylbenzene, tert-	0.50 U	ug/L					
HW43	Carbon disulfide	0.50 U	ug/L					
HW43-P	Carbon disulfide	0.50 U	ug/L					
HW43	Carbon Tetrachloride	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW43-P	Carbon Tetrachloride	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW43	Chlorobenzene	0.50 U	ug/L		100.00 ug/L			
HW43-P	Chlorobenzene	0.50 U	ug/L		100.00 ug/L			
HW43	Chlorobromomethane	0.50 U	ug/L					
HW43-P	Chlorobromomethane	0.50 U	ug/L					
HW43	Chloroethane	0.50 U	ug/L					
HW43-P	Chloroethane	0.50 U	ug/L					
HW43	Chloroform	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW43-P	Chloroform	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW43	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
HW43-P	Chlorotoluene	0.50 U	ug/L	180.00 ug/L				
HW43	Chlorotoluene-p	0.50 U	ug/L	190.00 ug/L				
HW43-P	Chlorotoluene-p	0.50 U	ug/L	190.00 ug/L				
HW43	Cyclohexane	0.50 U	ug/L					
HW43-P	Cyclohexane	0.50 U	ug/L					
HW43	Dibromochloromethane	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW43-P	Dibromochloromethane	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW43	Dibromoethane-1,2	0.50 U	ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW43-P	Dibromoethane-1,2	0.50 U	ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW43	Dibromomethane	0.50 U	ug/L					
HW43-P	Dibromomethane	0.50 U	ug/L					
HW43	Dichlorobenzene-1,2	0.50 U	ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW43-P	Dichlorobenzene-1,2	0.50 U	ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW43	Dichlorobenzene-1,3	0.50 U	ug/L					
HW43-P	Dichlorobenzene-1,3	0.50 U	ug/L					
HW43	Dichlorobenzene-1,4	0.50 U	ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW43-P	Dichlorobenzene-1,4	0.50 U	ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW43	Dichlorobromomethane	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW43-P	Dichlorobromomethane	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW43	Dichlorodifluoromethane	0.50 U	ug/L					
HW43-P	Dichlorodifluoromethane	0.50 U	ug/L					
HW43	Dichloroethane-1,1	0.50 U	ug/L	240.00 ug/L				
HW43-P	Dichloroethane-1,1	0.50 U	ug/L	240.00 ug/L				
HW43	Dichloroethane-1,2	0.50 U	ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW43-P	Dichloroethane-1,2	0.50 U	ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW43	Dichloroethene-1,2 trans	0.50 U	ug/L		100.00 ug/L		100.00 ug/L	
HW43-P	Dichloroethene-1,2 trans	0.50 U	ug/L		100.00 ug/L		100.00 ug/L	
HW43	Dichloroethylene-1,1	0.50 U	ug/L		7.00 ug/L		7.00 ug/L	
HW43-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
HW43	Dichloroethylene-1,2 cis	0.50 U	ug/L		70.00 ug/L		70.00 ug/L	
HW43-P	Dichloroethylene-1,2 cis	0.50 U	ug/L		70.00 ug/L		70.00 ug/L	
HW43	Dichloropropane, 1,2-	0.50 U	ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW43-P	Dichloropropane, 1,2-	0.50 U	ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW43	Dichloropropane, 1,3-	0.50 U	ug/L	290.00 ug/L				
HW43-P	Dichloropropane, 1,3-	0.50 U	ug/L	290.00 ug/L				
HW43	Dichloropropane, 2,2-	0.50 U	ug/L					
HW43-P	Dichloropropane, 2,2-	0.50 U	ug/L					
HW43	Dichloropropene, 1,1-	0.50 U	ug/L					
HW43-P	Dichloropropene, 1,1-	0.50 U	ug/L					
HW43	Dichloropropene, 1,3 cis-	0.50 U	ug/L					
HW43-P	Dichloropropene, 1,3 cis-	0.50 U	ug/L					
HW43	Dichloropropene, 1,3 trans-	0.50 U	ug/L					
HW43-P	Dichloropropene, 1,3 trans-	0.50 U	ug/L					
HW43	Ethylbenzene	0.50 U	ug/L		700.00 ug/L		700.00 ug/L	
HW43-P	Ethylbenzene	0.50 U	ug/L		700.00 ug/L		700.00 ug/L	
HW43	Freon 113	0.50 U	ug/L					
HW43-P	Freon 113	0.50 U	ug/L					
HW43	Hexanone, 2-	2.00 U	ug/L	34.00 ug/L				
HW43-P	Hexanone, 2-	2.00 U	ug/L	34.00 ug/L				
HW43	Isopropylbenzene	0.50 U	ug/L					
HW43-P	Isopropylbenzene	0.50 U	ug/L					
HW43	Isopropylbenzene-4,methyl-1	0.50 U	ug/L					
HW43-P	Isopropylbenzene-4,methyl-1	0.50 U	ug/L					
HW43	m,p-Xylene	1.00 U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW43-P	m,p-Xylene	1.00 U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW43	Methyl acetate	1.00 U	ug/L					
HW43-P	Methyl acetate	1.00 U	ug/L					
HW43	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
HW43-P	Methyl bromide	0.50 U	ug/L					
HW43	Methyl chloride	0.50 U	ug/L					
HW43-P	Methyl chloride	0.50 U	ug/L					
HW43	Methyl cyclohexane	0.50 U	ug/L					
HW43-P	Methyl cyclohexane	0.50 U	ug/L					
HW43	Methyl ethyl ketone	2.00 U	ug/L	4,900.00 ug/L				
HW43-P	Methyl ethyl ketone	2.00 U	ug/L	4,900.00 ug/L				
HW43	Methyl tertiary butyl ether (MTBE)	0.50 U	ug/L					
HW43-P	Methyl tertiary butyl ether (MTBE)	0.50 U	ug/L					
HW43	Methylene chloride	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW43-P	Methylene chloride	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW43	Propylbenzene-n	0.50 U	ug/L					
HW43-P	Propylbenzene-n	0.50 U	ug/L					
HW43	Styrene	1.00 U	ug/L		100.00 ug/L		100.00 ug/L	
HW43-P	Styrene	1.00 U	ug/L		100.00 ug/L		100.00 ug/L	
HW43	Tetrachloroethane, 1,1,1,2-	0.50 U	ug/L	50.00 ug/L				
HW43-P	Tetrachloroethane, 1,1,1,2-	0.50 U	ug/L	50.00 ug/L				
HW43	Tetrachloroethane, 1,1,2,2-	0.50 U	ug/L	6.60 ug/L				
HW43-P	Tetrachloroethane, 1,1,2,2-	0.50 U	ug/L	6.60 ug/L				
HW43	Tetrachloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW43-P	Tetrachloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW43	Toluene	0.50 U	ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW43-P	Toluene	0.50 U	ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW43	Trichlorobenzene-1,2,3	0.50 U	ug/L	5.20 ug/L				
HW43-P	Trichlorobenzene-1,2,3	0.50 U	ug/L	5.20 ug/L				
HW43	Trichlorobenzene-1,2,4	0.50 U	ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW43-P	Trichlorobenzene-1,2,4	0.50 U	ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW43	Trichloroethane-1,1,1	0.50 U	ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW43-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
HW43	Trichloroethane-1,1,2	0.50 U	ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW43-P	Trichloroethane-1,1,2	0.50 U	ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW43	Trichloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW43-P	Trichloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW43	Trichlorofluoromethane	0.50 U	ug/L					
HW43-P	Trichlorofluoromethane	0.50 U	ug/L					
HW43	Trichloropropane-1,2,3	0.50 U	ug/L	0.07 ug/L				
HW43-P	Trichloropropane-1,2,3	0.50 U	ug/L	0.07 ug/L				
HW43	Trimethylbenzene-1,2,4	0.50 U	ug/L	15.00 ug/L				
HW43-P	Trimethylbenzene-1,2,4	0.50 U	ug/L	15.00 ug/L				
HW43	Trimethylbenzene-1,3,5	0.50 U	ug/L	87.00 ug/L				
HW43-P	Trimethylbenzene-1,3,5	0.50 U	ug/L	87.00 ug/L				
HW43	Vinyl acetate	0.50 U	ug/L					
HW43-P	Vinyl acetate	0.50 U	ug/L					
HW43	Vinyl chloride	0.50 U	ug/L		2.00 ug/L		2.00 ug/L	
HW43-P	Vinyl chloride	0.50 U	ug/L		2.00 ug/L		2.00 ug/L	
HW43	Xylene-o	1.00 U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW43-P	Xylene-o	1.00 U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW43	Nitrogen, Nitrite + Nitrate	1.40	mg/L		10.00 mg/L		10.00 mg/L	
HW43-P	Nitrogen, Nitrite + Nitrate	1.39	mg/L		10.00 mg/L		10.00 mg/L	
HW43	Total Nitrogen	1.11	mg/L					
HW43-P	Total Nitrogen	1.00 U	mg/L					
HW43	Total Phosphorus as P	0.08	mg/L					
HW43-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