

HW-45

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
HW45	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW45-P	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW45	1-Propanol	10,000.00 U ug/L					
HW45-P	1-Propanol	10,000.00 U ug/L					
HW45	2-Butanol	10,000.00 U ug/L					
HW45-P	2-Butanol	10,000.00 U ug/L					
HW45	Ethanol	10,000.00 U ug/L					
HW45-P	Ethanol	10,000.00 U ug/L					
HW45	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW45-P	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW45	Anionic Surfactants	0.01 U mg/L					
HW45-P	Anionic Surfactants	0.01 U mg/L					
HW45	Heterotrophic Plate Count	R cfu/1mL					
HW45-P	Heterotrophic Plate Count	R cfu/1mL					
HW45	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW45-P	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW45	Ethane	1.20 U ug/L					
HW45-P	Ethane	1.20 U ug/L					
HW45	Ethene	1.10 U ug/L					
HW45-P	Ethene	1.10 U ug/L					
HW45	Methane	1.20 U ug/L	28,000.00 ug/L				
HW45-P	Methane	1.20 U ug/L	28,000.00 ug/L				
HW45	2-Butoxyethanol	5.00 U ug/L					
HW45-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
HW45	2-Methoxyethanol	60.00	U ug/L	78.00 ug/L				
HW45	2-Methoxyethanol	10.00	U ug/L	78.00 ug/L				
HW45-P	2-Methoxyethanol	10.00	U ug/L	78.00 ug/L				
HW45-P	2-Methoxyethanol	60.00	U ug/L	78.00 ug/L				
HW45	Diethylene glycol		R ug/L	8,000.00 ug/L				
HW45	Diethylene Glycol	50.00	U ug/L	8,000.00 ug/L				
HW45-P	Diethylene Glycol	50.00	U ug/L	8,000.00 ug/L				
HW45	Ethanol, 2-ethoxy-	10,000.00	U ug/L					
HW45	Ethanol, 2-methoxy-	10,000.00	U ug/L	78.00 ug/L				
HW45	Ethylene Glycol	10.00	U mg/L	31,000.00 ug/L				
HW45	Ethylene glycol	10,000.00	U ug/L	31,000.00 ug/L				
HW45-P	Ethylene Glycol	10.00	U mg/L	31,000.00 ug/L				
HW45	Tetraethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW45-P	Tetraethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW45	Triethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW45	Triethylene glycol	10,000.00	U ug/L	8,000.00 ug/L				
HW45-P	Triethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW45	Bromide	0.50	U mg/L					
HW45-P	Bromide	0.50	U mg/L					
HW45	Chloride	1.10	mg/L			250.00 mg/L		250.00 mg/L
HW45-P	Chloride	0.94	mg/L			250.00 mg/L		250.00 mg/L
HW45	Fluoride	0.10	U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW45-P	Fluoride	0.10	U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW45	Sulfate	11.20	mg/L			250.00 mg/L		250.00 mg/L
HW45-P	Sulfate	10.80	mg/L			250.00 mg/L		250.00 mg/L
HW45	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW45-F	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW45-P	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW45-PF	Mercury	0.20	U ug/L	4.30 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
HW45	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW45-F	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW45-P	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW45-PF	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW45	Antimony	2.00	U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW45-F	Antimony	2.00	U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW45-P	Antimony	2.00	U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW45-PF	Antimony	2.00	U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW45	Arsenic	1.00	U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW45-F	Arsenic	1.00	U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW45-P	Arsenic	1.00	U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW45-PF	Arsenic	1.00	U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW45	Barium	164.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW45-F	Barium	176.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW45-P	Barium	162.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW45-PF	Barium	159.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW45	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW45-F	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW45-P	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW45-PF	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW45	Boron	50.00	U ug/L	3,100.00 ug/L				
HW45-F	Boron	50.00	U ug/L	3,100.00 ug/L				
HW45-P	Boron	50.00	U ug/L	3,100.00 ug/L				
HW45-PF	Boron	50.00	U ug/L	3,100.00 ug/L				
HW45	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW45-F	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW45-P	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW45-PF	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW45	Calcium	32,200.00	ug/L					

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW45-F	Calcium	32,000.00	ug/L					
HW45-P	Calcium	32,100.00	ug/L					
HW45-PF	Calcium	31,900.00	ug/L					
HW45	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW45-F	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW45-P	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW45-PF	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW45	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW45-F	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW45-P	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW45-PF	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW45	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***	
HW45-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***	
HW45-P	Copper	2.00 U	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW45-PF	Copper	2.00 U	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW45	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW45-F	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW45-P	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW45-PF	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW45	Lead	1.00 U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW45-F	Lead	1.00 U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW45-P	Lead	1.00 U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW45-PF	Lead	1.00 U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW45	Lithium	200.00 U	ug/L	31.00 ug/L				
HW45-F	Lithium	200.00 U	ug/L	31.00 ug/L				
HW45-P	Lithium	200.00 U	ug/L	31.00 ug/L				
HW45-PF	Lithium	200.00 U	ug/L	31.00 ug/L				
HW45	Magnesium	7,910.00	ug/L					
HW45-F	Magnesium	7,840.00	ug/L					

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW45-P	Magnesium	7,940.00	ug/L					
HW45-PF	Magnesium	7,870.00	ug/L					
HW45	Manganese	1.00 U	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW45-F	Manganese	1.00 U	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW45-P	Manganese	1.00	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW45-PF	Manganese	1.00 U	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW45	Nickel	1.30	ug/L	300.00 ug/L				
HW45-F	Nickel	1.30	ug/L	300.00 ug/L				
HW45-P	Nickel	1.30	ug/L	300.00 ug/L				
HW45-PF	Nickel	1.20	ug/L	300.00 ug/L				
HW45	Potassium	2,000.00 U	ug/L					
HW45-F	Potassium	2,000.00 U	ug/L					
HW45-P	Potassium	2,000.00 U	ug/L					
HW45-PF	Potassium	2,000.00 U	ug/L					
HW45	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW45-F	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW45-P	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW45-PF	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW45	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW45-F	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW45-P	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW45-PF	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW45	Sodium	7,260.00	ug/L	20,000.00 ug/L				
HW45-F	Sodium	7,270.00	ug/L	20,000.00 ug/L				
HW45-P	Sodium	7,500.00	ug/L	20,000.00 ug/L				
HW45-PF	Sodium	7,500.00	ug/L	20,000.00 ug/L				
HW45	Strontium	1,100.00	ug/L	9,300.00 ug/L				
HW45-F	Strontium	1,110.00	ug/L	9,300.00 ug/L				
HW45-P	Strontium	1,150.00	ug/L	9,300.00 ug/L				

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW45-PF	Strontium	1,150.00	ug/L	9,300.00 ug/L				
HW45	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW45-F	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW45-P	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW45-PF	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW45	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW45-F	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW45-P	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW45-PF	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW45	Titanium	200.00 U	ug/L					
HW45-F	Titanium	200.00 U	ug/L					
HW45-P	Titanium	200.00 U	ug/L					
HW45-PF	Titanium	200.00 U	ug/L					
HW45	Uranium	1.40	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW45-F	Uranium	1.50	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW45-P	Uranium	1.40	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW45-PF	Uranium	1.30	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW45	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW45-F	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW45-P	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW45-PF	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW45	Zinc	2.00 U	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW45-F	Zinc	2.00 U	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW45-P	Zinc	2.00 U	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW45-PF	Zinc	2.00 U	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW45	Oil and Grease	5.30 UJ	mg/L					
HW45-P	Oil and Grease	5.20 UJ	mg/L					
HW45	Total Dissolved Solids	145.00	mg/L			500.00 mg/L		500.00 mg/L
HW45-P	Total Dissolved Solids	137.00	mg/L			500.00 mg/L		500.00 mg/L

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW45	Total Suspended Solids	10.00 U mg/L					
HW45-P	Total Suspended Solids	10.00 U mg/L					
HW45	1-Methylnaphthalene	5.00 U ug/L	97.00 ug/L				
HW45-P	1-Methylnaphthalene	5.00 U ug/L	97.00 ug/L				
HW45	Acenaphthene	5.00 U ug/L	400.00 ug/L				
HW45-P	Acenaphthene	5.00 U ug/L	400.00 ug/L				
HW45	Acenaphthylene	5.00 U ug/L					
HW45-P	Acenaphthylene	5.00 U ug/L					
HW45	Acetophenone	5.00 U ug/L	1,500.00 ug/L				
HW45-P	Acetophenone	5.00 U ug/L	1,500.00 ug/L				
HW45	Anthracene	5.00 U ug/L	1,300.00 ug/L				
HW45-P	Anthracene	5.00 U ug/L	1,300.00 ug/L				
HW45	Atrazine	5.00 U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW45-P	Atrazine	5.00 U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW45	Benzo(a)anthracene	5.00 U ug/L	2.90 ug/L				
HW45-P	Benzo(a)anthracene	5.00 U ug/L	2.90 ug/L				
HW45	Benzo(a)pyrene	5.00 U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW45-P	Benzo(a)pyrene	5.00 U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW45	Biphenyl	5.00 U ug/L					
HW45-P	Biphenyl	5.00 U ug/L					
HW45	Bromophenyl-4 Phenyl Ether	5.00 U ug/L					
HW45-P	Bromophenyl-4 Phenyl Ether	5.00 U ug/L					
HW45	Butylbenzyl phthalate	5.00 U ug/L	1,400.00 ug/L				
HW45-P	Butylbenzyl phthalate	5.00 U ug/L	1,400.00 ug/L				
HW45	Caprolactam	5.00 U ug/L	7,700.00 ug/L				
HW45-P	Caprolactam	5.00 U ug/L	7,700.00 ug/L				
HW45	Carbazole	5.00 U ug/L					
HW45-P	Carbazole	5.00 U ug/L					
HW45	Chlorobenzenamine-4	60.00 U ug/L	3.20 ug/L				

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW45-P	Chlorobenzenamine-4	60.00	U ug/L	3.20 ug/L				
HW45	Chloronaphthalene-2	5.00	U ug/L	550.00 ug/L				
HW45-P	Chloronaphthalene-2	5.00	U ug/L	550.00 ug/L				
HW45	Chlorophenol-2	5.00	U ug/L	71.00 ug/L				
HW45-P	Chlorophenol-2	5.00	U ug/L	71.00 ug/L				
HW45	Chlorophenyl-4 phenyl ether	5.00	U ug/L					
HW45-P	Chlorophenyl-4 phenyl ether	5.00	U ug/L					
HW45	Chrysene	5.00	U ug/L	290.00 ug/L				
HW45-P	Chrysene	5.00	U ug/L	290.00 ug/L				
HW45	Cresol, parachloro meta-	5.00	U ug/L					
HW45-P	Cresol, parachloro meta-	5.00	U ug/L					
HW45	Cresol-4,6-dinitro-ortho	10.00	U ug/L					
HW45-P	Cresol-4,6-dinitro-ortho	10.00	U ug/L					
HW45	Cresol-o	5.00	U ug/L	720.00 ug/L				
HW45-P	Cresol-o	5.00	U ug/L	720.00 ug/L				
HW45	Cresol-p	5.00	U ug/L	72.00 ug/L				
HW45-P	Cresol-p	5.00	U ug/L	72.00 ug/L				
HW45	Dibenz(a,h)anthracene	5.00	U ug/L	0.29 ug/L				
HW45-P	Dibenz(a,h)anthracene	5.00	U ug/L	0.29 ug/L				
HW45	Dibenzofuran	5.00	U ug/L					
HW45-P	Dibenzofuran	5.00	U ug/L					
HW45	Dichlorobenzidine-3,3'	R	ug/L	11.00 ug/L				
HW45-P	Dichlorobenzidine-3,3'	R	ug/L	11.00 ug/L				
HW45	Dichlorophenol-2,4	5.00	U ug/L	35.00 ug/L				
HW45-P	Dichlorophenol-2,4	5.00	U ug/L	35.00 ug/L				
HW45	Dimethylphenol, 2,4-	5.00	U ug/L	270.00 ug/L				
HW45-P	Dimethylphenol, 2,4-	5.00	U ug/L	270.00 ug/L				
HW45	Dinitrophenol-2,4	5.00	U ug/L	30.00 ug/L				
HW45-P	Dinitrophenol-2,4	5.00	U ug/L	30.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW45	Dinitrotoluene-2,4	5.00 U ug/L					
HW45-P	Dinitrotoluene-2,4	5.00 U ug/L					
HW45	Dinitrotoluene-2,6	5.00 U ug/L					
HW45-P	Dinitrotoluene-2,6	5.00 U ug/L					
HW45	Ether, bis(2-chloroethyl)	5.00 U ug/L	1.20 ug/L				
HW45-P	Ether, bis(2-chloroethyl)	5.00 U ug/L	1.20 ug/L				
HW45	Ether-bis(2-chloroisopropyl)	5.00 U ug/L					
HW45-P	Ether-bis(2-chloroisopropyl)	5.00 U ug/L					
HW45	Fluoranthene	5.00 U ug/L	630.00 ug/L				
HW45-P	Fluoranthene	5.00 U ug/L	630.00 ug/L				
HW45	Fluoranthene benzo(k)	5.00 U ug/L	29.00 ug/L				
HW45-P	Fluoranthene benzo(k)	5.00 U ug/L	29.00 ug/L				
HW45	Fluoranthene-benzo(b)	5.00 U ug/L	5.60 ug/L				
HW45-P	Fluoranthene-benzo(b)	5.00 U ug/L	5.60 ug/L				
HW45	Fluorene	5.00 U ug/L	220.00 ug/L				
HW45-P	Fluorene	5.00 U ug/L	220.00 ug/L				
HW45	Hexachlorobenzene	5.00 U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW45-P	Hexachlorobenzene	5.00 U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW45	Hexachlorobutadiene	5.00 U ug/L	26.00 ug/L				
HW45	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW45-P	Hexachlorobutadiene	5.00 U ug/L	26.00 ug/L				
HW45-P	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW45	Hexachlorocyclopentadiene	5.00 U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW45-P	Hexachlorocyclopentadiene	5.00 U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW45	Hexachloroethane	5.00 U ug/L	5.10 ug/L				
HW45-P	Hexachloroethane	5.00 U ug/L	5.10 ug/L				
HW45	Isophorone	5.00 U ug/L	6,700.00 ug/L				
HW45-P	Isophorone	5.00 U ug/L	6,700.00 ug/L				
HW45	Methane, bis(2-chloroethoxy)	5.00 U ug/L	47.00 ug/L				

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW45-P	Methane, bis(2-chloroethoxy)	5.00	U ug/L	47.00 ug/L				
HW45	Methylnaphthalene-2	5.00	U ug/L	27.00 ug/L				
HW45-P	Methylnaphthalene-2	5.00	U ug/L	27.00 ug/L				
HW45	Naphthalene	5.00	U ug/L	14.00 ug/L				
HW45	Naphthalene	0.50	U ug/L	14.00 ug/L				
HW45-P	Naphthalene	0.50	U ug/L	14.00 ug/L				
HW45-P	Naphthalene	5.00	U ug/L	14.00 ug/L				
HW45	Nitroaniline, ortho	5.00	U ug/L	150.00 ug/L				
HW45-P	Nitroaniline, ortho	5.00	U ug/L	150.00 ug/L				
HW45	Nitroaniline-3	60.00	U ug/L					
HW45-P	Nitroaniline-3	60.00	U ug/L					
HW45	Nitrobenzenamine-4	5.00	U ug/L	61.00 ug/L				
HW45-P	Nitrobenzenamine-4	5.00	U ug/L	61.00 ug/L				
HW45	Nitrobenzene	5.00	U ug/L	12.00 ug/L				
HW45-P	Nitrobenzene	5.00	U ug/L	12.00 ug/L				
HW45	Nitrophenol-2	5.00	U ug/L					
HW45-P	Nitrophenol-2	5.00	U ug/L					
HW45	Nitrophenol-4	10.00	U ug/L					
HW45-P	Nitrophenol-4	10.00	U ug/L					
HW45	Nitrosodimethylamine-n	5.00	U ug/L	0.04 ug/L				
HW45-P	Nitrosodimethylamine-n	5.00	U ug/L	0.04 ug/L				
HW45	Nitrosodiphenylamine-n	5.00	U ug/L	1,000.00 ug/L				
HW45-P	Nitrosodiphenylamine-n	5.00	U ug/L	1,000.00 ug/L				
HW45	Pentachlorophenol	5.00	U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW45-P	Pentachlorophenol	5.00	U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW45	Perylene-benzo(ghi)	5.00	U ug/L					
HW45-P	Perylene-benzo(ghi)	5.00	U ug/L					
HW45	Phenanthrene	5.00	U ug/L					
HW45-P	Phenanthrene	5.00	U ug/L					

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW45	Phenol	5.00	U ug/L	4,500.00 ug/L				
HW45-P	Phenol	5.00	U ug/L	4,500.00 ug/L				
HW45	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW45-P	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW45	Phthalate, Dimethyl	5.00	U ug/L	1,400.00 ug/L				
HW45-P	Phthalate, Dimethyl	5.00	U ug/L	1,400.00 ug/L				
HW45	Phthalate, di-n-butyl-	5.00	U ug/L	670.00 ug/L				
HW45-P	Phthalate, di-n-butyl-	5.00	U ug/L	670.00 ug/L				
HW45	Phthalate, di-n-octyl	5.00	U ug/L					
HW45-P	Phthalate, di-n-octyl	5.00	U ug/L					
HW45	Phthalate-diethyl	5.00	U ug/L	11,000.00 ug/L				
HW45-P	Phthalate-diethyl	5.00	U ug/L	11,000.00 ug/L				
HW45	Propylamine,n-nitroso di-n-	5.00	U ug/L	0.93 ug/L				
HW45-P	Propylamine,n-nitroso di-n-	5.00	U ug/L	0.93 ug/L				
HW45	Pyrene	5.00	U ug/L	87.00 ug/L				
HW45-P	Pyrene	5.00	U ug/L	87.00 ug/L				
HW45	Pyrene-indeno(1,2,3-cd)	5.00	U ug/L	3.00 ug/L				
HW45-P	Pyrene-indeno(1,2,3-cd)	5.00	U ug/L	3.00 ug/L				
HW45	Tetrachlorobenzene, 1,2,4,5-	5.00	U ug/L	1.20 ug/L				
HW45-P	Tetrachlorobenzene, 1,2,4,5-	5.00	U ug/L	1.20 ug/L				
HW45	Tetrachlorophenol, 2,3,4,6-	5.00	U ug/L	170.00 ug/L				
HW45-P	Tetrachlorophenol, 2,3,4,6-	5.00	U ug/L	170.00 ug/L				
HW45	Trichlorophenol-2,4,5	5.00	U ug/L	890.00 ug/L				
HW45-P	Trichlorophenol-2,4,5	5.00	U ug/L	890.00 ug/L				
HW45	Trichlorophenol-2,4,6	5.00	U ug/L	9.04 ug/L				
HW45-P	Trichlorophenol-2,4,6	5.00	U ug/L	9.04 ug/L				
HW45	TPH - Diesel Range Organics	250.00	U ug/L					
HW45-P	TPH - Diesel Range Organics	250.00	U ug/L					
HW45	TPH - Gasoline Range Organics	50.00	U ug/L					

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW45-P	TPH - Gasoline Range Organics	50.00 U ug/L					
HW45	TPH - Oil Range Organics	1,000.00 U ug/L					
HW45-P	TPH - Oil Range Organics	1,000.00 U ug/L					
HW45	1,2-Dibromo-3-chloropropane (DBCP)	2.00 U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW45-P	1,2-Dibromo-3-chloropropane (DBCP)	2.00 U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW45	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				
HW45-P	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				
HW45	Acetone	2.00 U ug/L					
HW45-P	Acetone	2.00 U ug/L					
HW45	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW45-P	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW45	Bromobenzene	0.50 U ug/L					
HW45-P	Bromobenzene	0.50 U ug/L					
HW45	Bromoform	1.00 U ug/L		80.00 ug/L		80.00 ug/L	
HW45-P	Bromoform	1.00 U ug/L		80.00 ug/L		80.00 ug/L	
HW45	Butylbenzene	0.50 U ug/L					
HW45-P	Butylbenzene	0.50 U ug/L					
HW45	Butylbenzene, sec-	0.50 U ug/L					
HW45-P	Butylbenzene, sec-	0.50 U ug/L					
HW45	Butylbenzene, tert-	0.50 U ug/L					
HW45-P	Butylbenzene, tert-	0.50 U ug/L					
HW45	Carbon disulfide	0.50 U ug/L					
HW45-P	Carbon disulfide	0.50 U ug/L					
HW45	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW45-P	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW45	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW45-P	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW45	Chlorobromomethane	0.50 U ug/L					
HW45-P	Chlorobromomethane	0.50 U ug/L					

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW45	Chloroethane	0.50 U ug/L					
HW45-P	Chloroethane	0.50 U ug/L					
HW45	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW45-P	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW45	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW45-P	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW45	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW45-P	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW45	Cyclohexane	0.50 U ug/L					
HW45-P	Cyclohexane	0.50 U ug/L					
HW45	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW45-P	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW45	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW45-P	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW45	Dibromomethane	0.50 U ug/L					
HW45-P	Dibromomethane	0.50 U ug/L					
HW45	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW45-P	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW45	Dichlorobenzene-1,3	0.50 U ug/L					
HW45-P	Dichlorobenzene-1,3	0.50 U ug/L					
HW45	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW45-P	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW45	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW45-P	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW45	Dichlorodifluoromethane	0.50 U ug/L					
HW45-P	Dichlorodifluoromethane	0.50 U ug/L					
HW45	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW45-P	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW45	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW45-P	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW45	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW45-P	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW45	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW45-P	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW45	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW45-P	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW45	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW45-P	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW45	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW45-P	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW45	Dichloropropane, 2,2-	0.50 U ug/L					
HW45-P	Dichloropropane, 2,2-	0.50 U ug/L					
HW45	Dichloropropene, 1,1-	0.50 U ug/L					
HW45-P	Dichloropropene, 1,1-	0.50 U ug/L					
HW45	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW45-P	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW45	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW45-P	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW45	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW45-P	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW45	Freon 113	0.50 U ug/L					
HW45-P	Freon 113	0.50 U ug/L					
HW45	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW45-P	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW45	Isopropylbenzene	0.50 U ug/L					
HW45-P	Isopropylbenzene	0.50 U ug/L					
HW45	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW45-P	Isopropylbenzene-4,methyl-1	0.50 U ug/L					

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW45	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW45-P	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW45	Methyl acetate	1.00 U ug/L					
HW45-P	Methyl acetate	1.00 U ug/L					
HW45	Methyl bromide	0.50 UJ ug/L					
HW45-P	Methyl bromide	0.50 U ug/L					
HW45	Methyl chloride	0.50 U ug/L					
HW45-P	Methyl chloride	0.50 U ug/L					
HW45	Methyl cyclohexane	0.50 U ug/L					
HW45-P	Methyl cyclohexane	0.50 U ug/L					
HW45	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW45-P	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW45	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW45-P	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW45	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW45-P	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW45	Propylbenzene-n	0.50 U ug/L					
HW45-P	Propylbenzene-n	0.50 U ug/L					
HW45	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW45-P	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW45	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW45-P	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW45	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW45-P	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW45	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW45-P	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW45	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW45-P	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW45	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW45-P	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW45	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW45-P	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW45	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW45-P	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW45	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW45-P	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW45	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW45-P	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW45	Trichlorofluoromethane	0.50 U ug/L					
HW45-P	Trichlorofluoromethane	0.50 U ug/L					
HW45	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW45-P	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW45	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW45-P	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW45	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW45-P	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW45	Vinyl acetate	0.50 U ug/L					
HW45-P	Vinyl acetate	0.50 U ug/L					
HW45	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW45-P	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW45	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW45-P	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW45	Nitrogen, Nitrite + Nitrate	0.07 mg/L		10.00 mg/L		10.00 mg/L	
HW45-P	Nitrogen, Nitrite + Nitrate	0.05 U mg/L		10.00 mg/L		10.00 mg/L	
HW45	Total Nitrogen	1.00 U mg/L					
HW45-P	Total Nitrogen	1.00 U mg/L					
HW45	Total Phosphorus as P	0.05 U mg/L					
HW45-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