

# HW-54

## EPA Validated Data Summary Report

### Dimock Residential Sampling

Sample Date: 2/10/2012

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW54	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW54-P	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW54	1-Propanol	10,000.00 U ug/L					
HW54-P	1-Propanol	10,000.00 U ug/L					
HW54	2-Butanol	10,000.00 U ug/L					
HW54-P	2-Butanol	10,000.00 U ug/L					
HW54	Ethanol	10,000.00 U ug/L					
HW54-P	Ethanol	10,000.00 U ug/L					
HW54	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW54-P	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW54	Anionic Surfactants	0.01 U mg/L					
HW54-P	Anionic Surfactants	0.01 U mg/L					
HW54	Heterotrophic Plate Count	R cfu/1mL					
HW54-P	Heterotrophic Plate Count	R cfu/1mL					
HW54	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW54-P	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW54	Ethane	1.20 U ug/L					
HW54-P	Ethane	1.20 U ug/L					
HW54	Ethene	1.10 U ug/L					
HW54-P	Ethene	1.10 U ug/L					
HW54	Methane	15.00 ug/L	28,000.00 ug/L				
HW54-P	Methane	4.50 ug/L	28,000.00 ug/L				
HW54	2-Butoxyethanol	5.00 U ug/L					
HW54-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
HW54	2-Methoxyethanol	10.00	U ug/L	78.00 ug/L				
HW54	2-Methoxyethanol	60.00	U ug/L	78.00 ug/L				
HW54-P	2-Methoxyethanol	10.00	U ug/L	78.00 ug/L				
HW54-P	2-Methoxyethanol	R	ug/L	78.00 ug/L				
HW54	Diethylene Glycol	25.00	U ug/L	8,000.00 ug/L				
HW54-P	Diethylene Glycol	25.00	U ug/L	8,000.00 ug/L				
HW54	Ethylene Glycol	10.00	U mg/L	31,000.00 ug/L				
HW54-P	Ethylene Glycol	10.00	U mg/L	31,000.00 ug/L				
HW54	Tetraethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW54-P	Tetraethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW54	Triethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW54-P	Triethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW54	Bromide	0.50	U mg/L					
HW54-P	Bromide	0.50	U mg/L					
HW54	Chloride	18.00	mg/L			250.00 mg/L		250.00 mg/L
HW54-P	Chloride	18.10	mg/L			250.00 mg/L		250.00 mg/L
HW54	Fluoride	0.10	U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW54-P	Fluoride	0.10	U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW54	Sulfate	13.40	mg/L			250.00 mg/L		250.00 mg/L
HW54-P	Sulfate	13.40	mg/L			250.00 mg/L		250.00 mg/L
HW54	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW54-F	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW54-P	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW54-PF	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW54	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW54-F	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW54-P	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW54-PF	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW54	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
HW54-F	Antimony	2.00	U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW54-P	Antimony	2.00	U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW54-PF	Antimony	2.00	U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW54	Arsenic	1.00	U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW54-F	Arsenic	1.00	U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW54-P	Arsenic	1.00	U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW54-PF	Arsenic	1.00	U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW54	Barium	159.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW54-F	Barium	160.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW54-P	Barium	167.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW54-PF	Barium	161.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW54	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW54-F	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW54-P	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW54-PF	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW54	Boron	50.00	U ug/L	3,100.00 ug/L				
HW54-F	Boron	50.00	U ug/L	3,100.00 ug/L				
HW54-P	Boron	50.00	U ug/L	3,100.00 ug/L				
HW54-PF	Boron	50.00	U ug/L	3,100.00 ug/L				
HW54	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW54-F	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW54-P	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW54-PF	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW54	Calcium	38,400.00	ug/L					
HW54-F	Calcium	38,500.00	ug/L					
HW54-P	Calcium	39,900.00	ug/L					
HW54-PF	Calcium	39,200.00	ug/L					
HW54	Chromium	2.00	U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW54-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
HW54-P	Chromium	2.00	U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW54-PF	Chromium	2.00	U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW54	Cobalt	1.00	U ug/L	4.70 ug/L				
HW54-F	Cobalt	1.00	U ug/L	4.70 ug/L				
HW54-P	Cobalt	1.00	U ug/L	4.70 ug/L				
HW54-PF	Cobalt	1.00	U ug/L	4.70 ug/L				
HW54	Copper	2.40	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW54-F	Copper	2.10	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW54-P	Copper	10.80	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW54-PF	Copper	11.40	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW54	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW54-F	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW54-P	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW54-PF	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW54	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW54-F	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW54-P	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW54-PF	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW54	Lithium	200.00	U ug/L	31.00 ug/L				
HW54-F	Lithium	200.00	U ug/L	31.00 ug/L				
HW54-P	Lithium	200.00	U ug/L	31.00 ug/L				
HW54-PF	Lithium	200.00	U ug/L	31.00 ug/L				
HW54	Magnesium	9,540.00	ug/L					
HW54-F	Magnesium	9,540.00	ug/L					
HW54-P	Magnesium	9,800.00	ug/L					
HW54-PF	Magnesium	9,700.00	ug/L					
HW54	Manganese	1.10	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW54-F	Manganese	1.00	U ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW54-P	Manganese	1.00	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
HW54-PF	Manganese	1.00	U ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW54	Nickel	1.50	ug/L	300.00 ug/L				
HW54-F	Nickel	1.60	ug/L	300.00 ug/L				
HW54-P	Nickel	1.70	ug/L	300.00 ug/L				
HW54-PF	Nickel	1.70	ug/L	300.00 ug/L				
HW54	Potassium	2,000.00	U ug/L					
HW54-F	Potassium	2,000.00	U ug/L					
HW54-P	Potassium	2,000.00	U ug/L					
HW54-PF	Potassium	2,000.00	U ug/L					
HW54	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW54-F	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW54-P	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW54-PF	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW54	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW54-F	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW54-P	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW54-PF	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW54	Sodium	11,600.00	ug/L	20,000.00 ug/L				
HW54-F	Sodium	11,500.00	ug/L	20,000.00 ug/L				
HW54-P	Sodium	12,000.00	ug/L	20,000.00 ug/L				
HW54-PF	Sodium	11,700.00	ug/L	20,000.00 ug/L				
HW54	Strontium	200.00	U ug/L	9,300.00 ug/L				
HW54-F	Strontium	200.00	U ug/L	9,300.00 ug/L				
HW54-P	Strontium	200.00	U ug/L	9,300.00 ug/L				
HW54-PF	Strontium	200.00	U ug/L	9,300.00 ug/L				
HW54	Thallium	1.00	U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW54-F	Thallium	1.00	U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW54-P	Thallium	1.00	U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW54-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
HW54	Tin	200.00	U ug/L	9,300.00 ug/L				
HW54-F	Tin	200.00	U ug/L	9,300.00 ug/L				
HW54-P	Tin	200.00	U ug/L	9,300.00 ug/L				
HW54-PF	Tin	200.00	U ug/L	9,300.00 ug/L				
HW54	Titanium	200.00	U ug/L					
HW54-F	Titanium	200.00	U ug/L					
HW54-P	Titanium	200.00	U ug/L					
HW54-PF	Titanium	200.00	U ug/L					
HW54	Uranium	2.20	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW54-F	Uranium	2.20	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW54-P	Uranium	2.30	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW54-PF	Uranium	2.30	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW54	Vanadium	5.00	U ug/L	78.00 ug/L				
HW54-F	Vanadium	5.00	U ug/L	78.00 ug/L				
HW54-P	Vanadium	5.00	U ug/L	78.00 ug/L				
HW54-PF	Vanadium	5.00	U ug/L	78.00 ug/L				
HW54	Zinc	2.00	U ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW54-F	Zinc	2.00	U ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW54-P	Zinc	4.70	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW54-PF	Zinc	5.10	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW54	Oil and Grease	5.30	UJ mg/L					
HW54-P	Oil and Grease	5.30	UJ mg/L					
HW54	Total Dissolved Solids	178.00	mg/L			500.00 mg/L		500.00 mg/L
HW54-P	Total Dissolved Solids	170.00	mg/L			500.00 mg/L		500.00 mg/L
HW54	Total Suspended Solids	10.00	U mg/L					
HW54-P	Total Suspended Solids	10.00	U mg/L					
HW54	1-Methylnaphthalene	5.00	UJ ug/L	97.00 ug/L				
HW54-P	1-Methylnaphthalene	5.00	U ug/L	97.00 ug/L				
HW54	Acenaphthene	5.00	U ug/L	400.00 ug/L				

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW54-P	Acenaphthene	5.00	U ug/L	400.00 ug/L				
HW54	Acenaphthylene	5.00	U ug/L					
HW54-P	Acenaphthylene	5.00	U ug/L					
HW54	Acetophenone	5.00	UJ ug/L	1,500.00 ug/L				
HW54-P	Acetophenone	5.00	U ug/L	1,500.00 ug/L				
HW54	Anthracene	5.00	U ug/L	1,300.00 ug/L				
HW54-P	Anthracene	5.00	U ug/L	1,300.00 ug/L				
HW54	Atrazine	5.00	U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW54-P	Atrazine	5.00	U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW54	Benzo(a)anthracene	5.00	U ug/L	2.90 ug/L				
HW54-P	Benzo(a)anthracene	5.00	U ug/L	2.90 ug/L				
HW54	Benzo(a)pyrene	5.00	U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW54-P	Benzo(a)pyrene	5.00	U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW54	Biphenyl	5.00	U ug/L					
HW54-P	Biphenyl	5.00	U ug/L					
HW54	Bromophenyl-4 Phenyl Ether	5.00	U ug/L					
HW54-P	Bromophenyl-4 Phenyl Ether	5.00	U ug/L					
HW54	Butylbenzyl phthalate	5.00	U ug/L	1,400.00 ug/L				
HW54-P	Butylbenzyl phthalate	5.00	U ug/L	1,400.00 ug/L				
HW54	Caprolactam	5.00	U ug/L	7,700.00 ug/L				
HW54-P	Caprolactam	5.00	U ug/L	7,700.00 ug/L				
HW54	Carbazole	5.00	U ug/L					
HW54-P	Carbazole	5.00	U ug/L					
HW54	Chlorobenzenamine-4	5.00	U ug/L	3.20 ug/L				
HW54-P	Chlorobenzenamine-4	5.00	UJ ug/L	3.20 ug/L				
HW54	Chloronaphthalene-2	5.00	U ug/L	550.00 ug/L				
HW54-P	Chloronaphthalene-2	5.00	U ug/L	550.00 ug/L				
HW54	Chlorophenol-2	5.00	UJ ug/L	71.00 ug/L				
HW54-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
HW54	Chlorophenyl-4 phenyl ether	5.00 U ug/L					
HW54-P	Chlorophenyl-4 phenyl ether	5.00 U ug/L					
HW54	Chrysene	5.00 U ug/L	290.00 ug/L				
HW54-P	Chrysene	5.00 U ug/L	290.00 ug/L				
HW54	Cresol, parachloro meta-	5.00 U ug/L					
HW54-P	Cresol, parachloro meta-	5.00 U ug/L					
HW54	Cresol-4,6-dinitro-ortho	60.00 U ug/L					
HW54-P	Cresol-4,6-dinitro-ortho	10.00 UJ ug/L					
HW54	Cresol-o	5.00 UJ ug/L	720.00 ug/L				
HW54-P	Cresol-o	5.00 U ug/L	720.00 ug/L				
HW54	Cresol-p	5.00 UJ ug/L	72.00 ug/L				
HW54-P	Cresol-p	5.00 U ug/L	72.00 ug/L				
HW54	Dibenz(a,h)anthracene	5.00 U ug/L	0.29 ug/L				
HW54-P	Dibenz(a,h)anthracene	5.00 U ug/L	0.29 ug/L				
HW54	Dibenzofuran	5.00 U ug/L					
HW54-P	Dibenzofuran	5.00 U ug/L					
HW54	Dichlorobenzidine-3,3'	60.00 U ug/L	11.00 ug/L				
HW54-P	Dichlorobenzidine-3,3'	R ug/L	11.00 ug/L				
HW54	Dichlorophenol-2,4	5.00 U ug/L	35.00 ug/L				
HW54-P	Dichlorophenol-2,4	5.00 U ug/L	35.00 ug/L				
HW54	Dimethylphenol, 2,4-	5.00 U ug/L	270.00 ug/L				
HW54-P	Dimethylphenol, 2,4-	5.00 U ug/L	270.00 ug/L				
HW54	Dinitrophenol-2,4	60.00 U ug/L	30.00 ug/L				
HW54-P	Dinitrophenol-2,4	R ug/L	30.00 ug/L				
HW54	Dinitrotoluene-2,4	5.00 U ug/L					
HW54-P	Dinitrotoluene-2,4	5.00 U ug/L					
HW54	Dinitrotoluene-2,6	5.00 U ug/L					
HW54-P	Dinitrotoluene-2,6	5.00 U ug/L					
HW54	Ether, bis(2-chloroethyl)	5.00 UJ ug/L	1.20 ug/L				



Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW54-P	Ether, bis(2-chloroethyl)	5.00 U ug/L	1.20 ug/L				
HW54	Ether-bis(2-chloroisopropyl)	5.00 UJ ug/L					
HW54-P	Ether-bis(2-chloroisopropyl)	5.00 U ug/L					
HW54	Fluoranthene	5.00 U ug/L	630.00 ug/L				
HW54-P	Fluoranthene	5.00 U ug/L	630.00 ug/L				
HW54	Fluoranthene benzo(k)	5.00 U ug/L	29.00 ug/L				
HW54-P	Fluoranthene benzo(k)	5.00 U ug/L	29.00 ug/L				
HW54	Fluoranthene-benzo(b)	5.00 U ug/L	5.60 ug/L				
HW54-P	Fluoranthene-benzo(b)	5.00 U ug/L	5.60 ug/L				
HW54	Fluorene	5.00 U ug/L	220.00 ug/L				
HW54-P	Fluorene	5.00 U ug/L	220.00 ug/L				
HW54	Hexachlorobenzene	5.00 U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW54-P	Hexachlorobenzene	5.00 U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW54	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW54	Hexachlorobutadiene	5.00 U ug/L	26.00 ug/L				
HW54-P	Hexachlorobutadiene	5.00 U ug/L	26.00 ug/L				
HW54-P	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW54	Hexachlorocyclopentadiene	5.00 U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW54-P	Hexachlorocyclopentadiene	5.00 U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW54	Hexachloroethane	5.00 UJ ug/L	5.10 ug/L				
HW54-P	Hexachloroethane	5.00 U ug/L	5.10 ug/L				
HW54	Isophorone	5.00 U ug/L	6,700.00 ug/L				
HW54-P	Isophorone	5.00 U ug/L	6,700.00 ug/L				
HW54	Methane, bis(2-chloroethoxy)	5.00 U ug/L	47.00 ug/L				
HW54-P	Methane, bis(2-chloroethoxy)	5.00 U ug/L	47.00 ug/L				
HW54	Methylnaphthalene-2	5.00 U ug/L	27.00 ug/L				
HW54-P	Methylnaphthalene-2	5.00 U ug/L	27.00 ug/L				
HW54	Naphthalene	0.50 U ug/L	14.00 ug/L				
HW54	Naphthalene	5.00 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
HW54-P	Naphthalene	5.00	U ug/L	14.00 ug/L				
HW54-P	Naphthalene	0.50	U ug/L	14.00 ug/L				
HW54	Nitroaniline, ortho	5.00	U ug/L	150.00 ug/L				
HW54-P	Nitroaniline, ortho	5.00	U ug/L	150.00 ug/L				
HW54	Nitroaniline-3	5.00	U ug/L					
HW54-P	Nitroaniline-3	5.00	U ug/L					
HW54	Nitrobenzenamine-4	5.00	U ug/L	61.00 ug/L				
HW54-P	Nitrobenzenamine-4	5.00	U ug/L	61.00 ug/L				
HW54	Nitrobenzene	5.00	U ug/L	12.00 ug/L				
HW54-P	Nitrobenzene	5.00	U ug/L	12.00 ug/L				
HW54	Nitrophenol-2	5.00	U ug/L					
HW54-P	Nitrophenol-2	5.00	U ug/L					
HW54	Nitrophenol-4	10.00	U ug/L					
HW54-P	Nitrophenol-4	10.00	U ug/L					
HW54	Nitrosodimethylamine-n	5.00	UJ ug/L	0.04 ug/L				
HW54-P	Nitrosodimethylamine-n	5.00	U ug/L	0.04 ug/L				
HW54	Nitrosodiphenylamine-n	5.00	U ug/L	1,000.00 ug/L				
HW54-P	Nitrosodiphenylamine-n	5.00	U ug/L	1,000.00 ug/L				
HW54	Pentachlorophenol	5.00	U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW54-P	Pentachlorophenol	5.00	U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW54	Perylene-benzo(ghi)	5.00	U ug/L					
HW54-P	Perylene-benzo(ghi)	5.00	U ug/L					
HW54	Phenanthrene	5.00	U ug/L					
HW54-P	Phenanthrene	5.00	U ug/L					
HW54	Phenol	5.00	UJ ug/L	4,500.00 ug/L				
HW54-P	Phenol	5.00	U ug/L	4,500.00 ug/L				
HW54	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW54-P	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW54	Phthalate, Dimethyl	5.00	U ug/L	1,400.00 ug/L				

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW54-P	Phthalate, Dimethyl	5.00	U ug/L	1,400.00 ug/L				
HW54	Phthalate, di-n-butyl-	5.00	U ug/L	670.00 ug/L				
HW54-P	Phthalate, di-n-butyl-	5.00	U ug/L	670.00 ug/L				
HW54	Phthalate, di-n-octyl	5.00	U ug/L					
HW54-P	Phthalate, di-n-octyl	5.00	U ug/L					
HW54	Phthalate-diethyl	5.00	U ug/L	11,000.00 ug/L				
HW54-P	Phthalate-diethyl	5.00	U ug/L	11,000.00 ug/L				
HW54	Propylamine,n-nitroso di-n-	5.00	UJ ug/L	0.93 ug/L				
HW54-P	Propylamine,n-nitroso di-n-	5.00	U ug/L	0.93 ug/L				
HW54	Pyrene	5.00	U ug/L	87.00 ug/L				
HW54-P	Pyrene	5.00	U ug/L	87.00 ug/L				
HW54	Pyrene-indeno(1,2,3-cd)	5.00	U ug/L	3.00 ug/L				
HW54-P	Pyrene-indeno(1,2,3-cd)	5.00	U ug/L	3.00 ug/L				
HW54	Tetrachlorobenzene, 1,2,4,5-	5.00	U ug/L	1.20 ug/L				
HW54-P	Tetrachlorobenzene, 1,2,4,5-	5.00	U ug/L	1.20 ug/L				
HW54	Tetrachlorophenol, 2,3,4,6-	5.00	U ug/L	170.00 ug/L				
HW54-P	Tetrachlorophenol, 2,3,4,6-	5.00	U ug/L	170.00 ug/L				
HW54	Trichlorophenol-2,4,5	5.00	U ug/L	890.00 ug/L				
HW54-P	Trichlorophenol-2,4,5	5.00	U ug/L	890.00 ug/L				
HW54	Trichlorophenol-2,4,6	5.00	U ug/L	9.04 ug/L				
HW54-P	Trichlorophenol-2,4,6	5.00	U ug/L	9.04 ug/L				
HW54	TPH - Diesel Range Organics	250.00	U ug/L					
HW54-P	TPH - Diesel Range Organics	250.00	U ug/L					
HW54	TPH - Gasoline Range Organics	50.00	U ug/L					
HW54-P	TPH - Gasoline Range Organics	50.00	U ug/L					
HW54	TPH - Oil Range Organics	1,000.00	U ug/L					
HW54-P	TPH - Oil Range Organics	1,000.00	U ug/L					
HW54	1,2-Dibromo-3-chloropropane (DBCP)	0.50	U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW54-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
HW54	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				
HW54-P	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				
HW54	Acetone	2.00 U ug/L					
HW54-P	Acetone	2.00 U ug/L					
HW54	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW54-P	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW54	Bromobenzene	0.50 U ug/L					
HW54-P	Bromobenzene	0.50 U ug/L					
HW54	Bromoform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW54-P	Bromoform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW54	Butylbenzene	0.50 U ug/L					
HW54-P	Butylbenzene	0.50 U ug/L					
HW54	Butylbenzene, sec-	0.50 U ug/L					
HW54-P	Butylbenzene, sec-	0.50 U ug/L					
HW54	Butylbenzene, tert-	0.50 U ug/L					
HW54-P	Butylbenzene, tert-	0.50 U ug/L					
HW54	Carbon disulfide	0.50 U ug/L					
HW54-P	Carbon disulfide	0.50 U ug/L					
HW54	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW54-P	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW54	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW54-P	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW54	Chlorobromomethane	0.50 U ug/L					
HW54-P	Chlorobromomethane	0.50 U ug/L					
HW54	Chloroethane	0.50 U ug/L					
HW54-P	Chloroethane	0.50 U ug/L					
HW54	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW54-P	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW54	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
HW54-P	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW54	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW54-P	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW54	Cyclohexane	0.50 U ug/L					
HW54-P	Cyclohexane	0.50 U ug/L					
HW54	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW54-P	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW54	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW54-P	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW54	Dibromomethane	0.50 U ug/L					
HW54-P	Dibromomethane	0.50 U ug/L					
HW54	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW54-P	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW54	Dichlorobenzene-1,3	0.50 U ug/L					
HW54-P	Dichlorobenzene-1,3	0.50 U ug/L					
HW54	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW54-P	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW54	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW54-P	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW54	Dichlorodifluoromethane	0.50 U ug/L					
HW54-P	Dichlorodifluoromethane	0.50 U ug/L					
HW54	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW54-P	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW54	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW54-P	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW54	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW54-P	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW54	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW54-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
HW54	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW54-P	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW54	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW54-P	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW54	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW54-P	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW54	Dichloropropane, 2,2-	0.50 U ug/L					
HW54-P	Dichloropropane, 2,2-	0.50 U ug/L					
HW54	Dichloropropene, 1,1-	0.50 U ug/L					
HW54-P	Dichloropropene, 1,1-	0.50 U ug/L					
HW54	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW54-P	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW54	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW54-P	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW54	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW54-P	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW54	Freon 113	0.50 U ug/L					
HW54-P	Freon 113	0.50 U ug/L					
HW54	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW54-P	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW54	Isopropylbenzene	0.50 U ug/L					
HW54-P	Isopropylbenzene	0.50 U ug/L					
HW54	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW54-P	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW54	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW54-P	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW54	Methyl acetate	0.50 U ug/L					
HW54-P	Methyl acetate	0.50 U ug/L					
HW54	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
HW54-P	Methyl bromide	0.50 U ug/L					
HW54	Methyl chloride	0.50 U ug/L					
HW54-P	Methyl chloride	0.50 U ug/L					
HW54	Methyl cyclohexane	0.50 U ug/L					
HW54-P	Methyl cyclohexane	0.50 U ug/L					
HW54	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW54-P	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW54	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW54-P	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW54	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW54-P	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW54	Propylbenzene-n	0.50 U ug/L					
HW54-P	Propylbenzene-n	0.50 U ug/L					
HW54	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW54-P	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW54	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW54-P	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW54	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW54-P	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW54	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW54-P	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW54	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW54-P	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW54	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW54-P	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW54	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW54-P	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW54	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW54-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
HW54	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW54-P	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW54	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW54-P	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW54	Trichlorofluoromethane	0.50 U ug/L					
HW54-P	Trichlorofluoromethane	0.50 U ug/L					
HW54	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW54-P	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW54	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW54-P	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW54	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW54-P	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW54	Vinyl acetate	0.50 U ug/L					
HW54-P	Vinyl acetate	0.50 U ug/L					
HW54	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW54-P	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW54	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW54-P	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW54	Nitrogen, Nitrite + Nitrate	1.47 mg/L		10.00 mg/L		10.00 mg/L	
HW54-P	Nitrogen, Nitrite + Nitrate	1.49 mg/L		10.00 mg/L		10.00 mg/L	
HW54	Total Nitrogen	1.47 mg/L					
HW54-P	Total Nitrogen	1.43 mg/L					
HW54	Total Phosphorus as P	0.05 U mg/L					
HW54-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