

HW-38

EPA Validated Data Summary Report

Dimock Residential Sampling

Sample Date: 2/8/2012

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW38	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW38-P	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW38	1-Propanol	10,000.00 U ug/L					
HW38-P	1-Propanol	10,000.00 U ug/L					
HW38	2-Butanol	10,000.00 U ug/L					
HW38-P	2-Butanol	10,000.00 U ug/L					
HW38	Ethanol	10,000.00 U ug/L					
HW38-P	Ethanol	10,000.00 U ug/L					
HW38	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW38-P	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW38	Anionic Surfactants	0.01 U mg/L					
HW38-P	Anionic Surfactants	0.01 U mg/L					
HW38	Heterotrophic Plate Count	R cfu/1mL					
HW38-P	Heterotrophic Plate Count	R cfu/1mL					
HW38	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW38-P	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW38	Ethane	1.20 U ug/L					
HW38-P	Ethane	1.20 U ug/L					
HW38	Ethene	1.10 U ug/L					
HW38-P	Ethene	1.10 U ug/L					
HW38	Methane	5.00 ug/L	28,000.00 ug/L				
HW38-P	Methane	3.80 ug/L	28,000.00 ug/L				
HW38	2-Butoxyethanol	5.00 U ug/L					
HW38-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
HW38	2-Methoxyethanol	5.00 UJ ug/L	78.00 ug/L				
HW38	2-Methoxyethanol	10.00 U ug/L	78.00 ug/L				
HW38-P	2-Methoxyethanol	10.00 U ug/L	78.00 ug/L				
HW38-P	2-Methoxyethanol	5.00 UJ ug/L	78.00 ug/L				
HW38	Diethylene Glycol	50.00 U ug/L	8,000.00 ug/L				
HW38-P	Diethylene Glycol	50.00 U ug/L	8,000.00 ug/L				
HW38	Ethylene Glycol	10.00 U mg/L	31,000.00 ug/L				
HW38-P	Ethylene Glycol	10.00 U mg/L	31,000.00 ug/L				
HW38	Tetraethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW38-P	Tetraethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW38	Triethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW38-P	Triethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW38	Bromide	0.50 U mg/L					
HW38-P	Bromide	0.50 U mg/L					
HW38	Chloride	5.72 mg/L			250.00 mg/L		250.00 mg/L
HW38-P	Chloride	5.66 mg/L			250.00 mg/L		250.00 mg/L
HW38	Fluoride	0.10 U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW38-P	Fluoride	0.10 U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW38	Sulfate	14.20 mg/L			250.00 mg/L		250.00 mg/L
HW38-P	Sulfate	14.20 mg/L			250.00 mg/L		250.00 mg/L
HW38	Mercury	0.20 U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW38-F	Mercury	0.20 U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW38-P	Mercury	0.20 U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW38-PF	Mercury	0.20 U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW38	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW38-F	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW38-P	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW38-PF	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW38	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
HW38-F	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW38-P	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW38-PF	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW38	Arsenic	1.00 U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW38-F	Arsenic	1.00 U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW38-P	Arsenic	1.00 U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW38-PF	Arsenic	1.00 U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW38	Barium	116.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW38-F	Barium	119.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW38-P	Barium	120.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW38-PF	Barium	116.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW38	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW38-F	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW38-P	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW38-PF	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW38	Boron	50.00 U ug/L	3,100.00 ug/L				
HW38-F	Boron	50.00 U ug/L	3,100.00 ug/L				
HW38-P	Boron	50.00 U ug/L	3,100.00 ug/L				
HW38-PF	Boron	50.00 U ug/L	3,100.00 ug/L				
HW38	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW38-F	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW38-P	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW38-PF	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW38	Calcium	16,100.00 ug/L					
HW38-F	Calcium	15,800.00 ug/L					
HW38-P	Calcium	16,000.00 ug/L					
HW38-PF	Calcium	15,800.00 ug/L					
HW38	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW38-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
HW38-P	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW38-PF	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW38	Cobalt	1.00 U ug/L	4.70 ug/L				
HW38-F	Cobalt	1.00 U ug/L	4.70 ug/L				
HW38-P	Cobalt	1.00 U ug/L	4.70 ug/L				
HW38-PF	Cobalt	1.00 U ug/L	4.70 ug/L				
HW38	Copper	25.60 ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW38-F	Copper	19.80 ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW38-P	Copper	98.80 ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW38-PF	Copper	89.30 ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW38	Iron	100.00 U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW38-F	Iron	100.00 U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW38-P	Iron	100.00 U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW38-PF	Iron	100.00 U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW38	Lead	1.40 ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW38-F	Lead	1.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW38-P	Lead	1.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW38-PF	Lead	1.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW38	Lithium	200.00 U ug/L	31.00 ug/L				
HW38-F	Lithium	200.00 U ug/L	31.00 ug/L				
HW38-P	Lithium	200.00 U ug/L	31.00 ug/L				
HW38-PF	Lithium	200.00 U ug/L	31.00 ug/L				
HW38	Magnesium	3,300.00 ug/L					
HW38-F	Magnesium	3,230.00 ug/L					
HW38-P	Magnesium	3,260.00 ug/L					
HW38-PF	Magnesium	3,230.00 ug/L					
HW38	Manganese	1.00 U ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW38-F	Manganese	1.00 U ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW38-P	Manganese	1.00 U ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW38-PF	Manganese	1.00 U ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW38	Nickel	1.00 U ug/L	300.00 ug/L				
HW38-F	Nickel	1.00 U ug/L	300.00 ug/L				
HW38-P	Nickel	1.00 U ug/L	300.00 ug/L				
HW38-PF	Nickel	1.70 ug/L	300.00 ug/L				
HW38	Potassium	2,000.00 U ug/L					
HW38-F	Potassium	2,000.00 U ug/L					
HW38-P	Potassium	2,000.00 U ug/L					
HW38-PF	Potassium	2,000.00 U ug/L					
HW38	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW38-F	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW38-P	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW38-PF	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW38	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW38-F	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW38-P	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW38-PF	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW38	Sodium	5,670.00 ug/L	20,000.00 ug/L				
HW38-F	Sodium	5,600.00 ug/L	20,000.00 ug/L				
HW38-P	Sodium	5,590.00 ug/L	20,000.00 ug/L				
HW38-PF	Sodium	5,650.00 ug/L	20,000.00 ug/L				
HW38	Strontium	200.00 U ug/L	9,300.00 ug/L				
HW38-F	Strontium	200.00 U ug/L	9,300.00 ug/L				
HW38-P	Strontium	200.00 U ug/L	9,300.00 ug/L				
HW38-PF	Strontium	200.00 U ug/L	9,300.00 ug/L				
HW38	Thallium	1.00 U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW38-F	Thallium	1.00 U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW38-P	Thallium	1.00 U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW38-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
HW38	Tin	200.00 U ug/L	9,300.00 ug/L				
HW38-F	Tin	200.00 U ug/L	9,300.00 ug/L				
HW38-P	Tin	200.00 U ug/L	9,300.00 ug/L				
HW38-PF	Tin	200.00 U ug/L	9,300.00 ug/L				
HW38	Titanium	200.00 U ug/L					
HW38-F	Titanium	200.00 U ug/L					
HW38-P	Titanium	200.00 U ug/L					
HW38-PF	Titanium	200.00 U ug/L					
HW38	Uranium	1.00 U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW38-F	Uranium	1.00 U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW38-P	Uranium	1.00 U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW38-PF	Uranium	1.00 U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW38	Vanadium	5.00 U ug/L	78.00 ug/L				
HW38-F	Vanadium	5.00 U ug/L	78.00 ug/L				
HW38-P	Vanadium	5.00 U ug/L	78.00 ug/L				
HW38-PF	Vanadium	5.00 U ug/L	78.00 ug/L				
HW38	Zinc	5.50 J ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW38-F	Zinc	3.90 J ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW38-P	Zinc	2.00 U ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW38-PF	Zinc	8.60 J ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW38	Oil and Grease	5.10 U mg/L					
HW38-P	Oil and Grease	5.30 U mg/L					
HW38	Total Dissolved Solids	154.00 U mg/L			500.00 mg/L		500.00 mg/L
HW38-P	Total Dissolved Solids	154.00 U mg/L			500.00 mg/L		500.00 mg/L
HW38	Total Suspended Solids	10.00 U mg/L					
HW38-P	Total Suspended Solids	10.00 U mg/L					
HW38	1-Methylnaphthalene	5.00 UJ ug/L	97.00 ug/L				
HW38-P	1-Methylnaphthalene	5.00 UJ ug/L	97.00 ug/L				
HW38	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
HW38-P	Acenaphthene	5.00 U ug/L	400.00 ug/L				
HW38	Acenaphthylene	5.00 U ug/L					
HW38-P	Acenaphthylene	5.00 U ug/L					
HW38	Acetophenone	5.00 U ug/L	1,500.00 ug/L				
HW38-P	Acetophenone	5.00 U ug/L	1,500.00 ug/L				
HW38	Anthracene	5.00 U ug/L	1,300.00 ug/L				
HW38-P	Anthracene	5.00 U ug/L	1,300.00 ug/L				
HW38	Atrazine	5.00 U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW38-P	Atrazine	5.00 U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW38	Benzo(a)anthracene	5.00 U ug/L	2.90 ug/L				
HW38-P	Benzo(a)anthracene	5.00 U ug/L	2.90 ug/L				
HW38	Benzo(a)pyrene	5.00 U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW38-P	Benzo(a)pyrene	5.00 U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW38	Biphenyl	5.00 U ug/L					
HW38-P	Biphenyl	5.00 U ug/L					
HW38	Bromophenyl-4 Phenyl Ether	5.00 U ug/L					
HW38-P	Bromophenyl-4 Phenyl Ether	5.00 U ug/L					
HW38	Butylbenzyl phthalate	5.00 U ug/L	1,400.00 ug/L				
HW38-P	Butylbenzyl phthalate	5.00 U ug/L	1,400.00 ug/L				
HW38	Caprolactam	5.00 U ug/L	7,700.00 ug/L				
HW38-P	Caprolactam	5.00 U ug/L	7,700.00 ug/L				
HW38	Carbazole	5.00 U ug/L					
HW38-P	Carbazole	5.00 U ug/L					
HW38	Chlorobenzenamine-4	5.00 U ug/L	3.20 ug/L				
HW38-P	Chlorobenzenamine-4	5.00 U ug/L	3.20 ug/L				
HW38	Chloronaphthalene-2	5.00 U ug/L	550.00 ug/L				
HW38-P	Chloronaphthalene-2	5.00 U ug/L	550.00 ug/L				
HW38	Chlorophenol-2	5.00 U ug/L	71.00 ug/L				
HW38-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
HW38	Chlorophenyl-4 phenyl ether	5.00 U ug/L					
HW38-P	Chlorophenyl-4 phenyl ether	5.00 U ug/L					
HW38	Chrysene	5.00 U ug/L	290.00 ug/L				
HW38-P	Chrysene	5.00 U ug/L	290.00 ug/L				
HW38	Cresol, parachloro meta-	5.00 U ug/L					
HW38-P	Cresol, parachloro meta-	5.00 U ug/L					
HW38	Cresol-4,6-dinitro-ortho	10.00 U ug/L					
HW38-P	Cresol-4,6-dinitro-ortho	10.00 U ug/L					
HW38	Cresol-o	5.00 U ug/L	720.00 ug/L				
HW38-P	Cresol-o	5.00 U ug/L	720.00 ug/L				
HW38	Cresol-p	5.00 U ug/L	72.00 ug/L				
HW38-P	Cresol-p	5.00 U ug/L	72.00 ug/L				
HW38	Dibenz(a,h)anthracene	5.00 U ug/L	0.29 ug/L				
HW38-P	Dibenz(a,h)anthracene	5.00 U ug/L	0.29 ug/L				
HW38	Dibenzofuran	5.00 U ug/L					
HW38-P	Dibenzofuran	5.00 U ug/L					
HW38	Dichlorobenzidine-3,3'	5.00 U ug/L	11.00 ug/L				
HW38-P	Dichlorobenzidine-3,3'	5.00 U ug/L	11.00 ug/L				
HW38	Dichlorophenol-2,4	5.00 U ug/L	35.00 ug/L				
HW38-P	Dichlorophenol-2,4	5.00 U ug/L	35.00 ug/L				
HW38	Dimethylphenol, 2,4-	5.00 U ug/L	270.00 ug/L				
HW38-P	Dimethylphenol, 2,4-	5.00 U ug/L	270.00 ug/L				
HW38	Dinitrophenol-2,4	5.00 U ug/L	30.00 ug/L				
HW38-P	Dinitrophenol-2,4	5.00 U ug/L	30.00 ug/L				
HW38	Dinitrotoluene-2,4	5.00 U ug/L					
HW38-P	Dinitrotoluene-2,4	5.00 U ug/L					
HW38	Dinitrotoluene-2,6	5.00 U ug/L					
HW38-P	Dinitrotoluene-2,6	5.00 U ug/L					
HW38	Ether, bis(2-chloroethyl)	5.00 U ug/L	1.20 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW38-P	Ether, bis(2-chloroethyl)	5.00 U ug/L	1.20 ug/L				
HW38	Ether-bis(2-chloroisopropyl)	5.00 U ug/L					
HW38-P	Ether-bis(2-chloroisopropyl)	5.00 U ug/L					
HW38	Fluoranthene	0.01 J ug/L	630.00 ug/L				
HW38-P	Fluoranthene	5.00 U ug/L	630.00 ug/L				
HW38	Fluoranthene benzo(k)	5.00 U ug/L	29.00 ug/L				
HW38-P	Fluoranthene benzo(k)	5.00 U ug/L	29.00 ug/L				
HW38	Fluoranthene-benzo(b)	5.00 U ug/L	5.60 ug/L				
HW38-P	Fluoranthene-benzo(b)	5.00 U ug/L	5.60 ug/L				
HW38	Fluorene	5.00 U ug/L	220.00 ug/L				
HW38-P	Fluorene	5.00 U ug/L	220.00 ug/L				
HW38	Hexachlorobenzene	5.00 U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW38-P	Hexachlorobenzene	5.00 U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW38	Hexachlorobutadiene	5.00 U ug/L	26.00 ug/L				
HW38	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW38-P	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW38-P	Hexachlorobutadiene	5.00 U ug/L	26.00 ug/L				
HW38	Hexachlorocyclopentadiene	5.00 U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW38-P	Hexachlorocyclopentadiene	5.00 U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW38	Hexachloroethane	5.00 U ug/L	5.10 ug/L				
HW38-P	Hexachloroethane	5.00 U ug/L	5.10 ug/L				
HW38	Isophorone	5.00 U ug/L	6,700.00 ug/L				
HW38-P	Isophorone	5.00 U ug/L	6,700.00 ug/L				
HW38	Methane, bis(2-chloroethoxy)	5.00 U ug/L	47.00 ug/L				
HW38-P	Methane, bis(2-chloroethoxy)	5.00 U ug/L	47.00 ug/L				
HW38	Methylnaphthalene-2	5.00 U ug/L	27.00 ug/L				
HW38-P	Methylnaphthalene-2	5.00 U ug/L	27.00 ug/L				
HW38	Naphthalene	5.00 U ug/L	14.00 ug/L				
HW38	Naphthalene	0.50 U ug/L	14.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW38-P	Naphthalene	0.50 U ug/L	14.00 ug/L				
HW38-P	Naphthalene	5.00 U ug/L	14.00 ug/L				
HW38	Nitroaniline, ortho	5.00 U ug/L	150.00 ug/L				
HW38-P	Nitroaniline, ortho	5.00 U ug/L	150.00 ug/L				
HW38	Nitroaniline-3	5.00 U ug/L					
HW38-P	Nitroaniline-3	5.00 U ug/L					
HW38	Nitrobenzenamine-4	5.00 U ug/L	61.00 ug/L				
HW38-P	Nitrobenzenamine-4	5.00 U ug/L	61.00 ug/L				
HW38	Nitrobenzene	5.00 U ug/L	12.00 ug/L				
HW38-P	Nitrobenzene	5.00 U ug/L	12.00 ug/L				
HW38	Nitrophenol-2	5.00 U ug/L					
HW38-P	Nitrophenol-2	5.00 U ug/L					
HW38	Nitrophenol-4	10.00 U ug/L					
HW38-P	Nitrophenol-4	10.00 U ug/L					
HW38	Nitrosodimethylamine-n	5.00 U ug/L	0.04 ug/L				
HW38-P	Nitrosodimethylamine-n	5.00 U ug/L	0.04 ug/L				
HW38	Nitrosodiphenylamine-n	5.00 U ug/L	1,000.00 ug/L				
HW38-P	Nitrosodiphenylamine-n	5.00 U ug/L	1,000.00 ug/L				
HW38	Pentachlorophenol	5.00 U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW38-P	Pentachlorophenol	5.00 U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW38	Perylene-benzo(ghi)	5.00 U ug/L					
HW38-P	Perylene-benzo(ghi)	5.00 U ug/L					
HW38	Phenanthrene	5.00 U ug/L					
HW38-P	Phenanthrene	5.00 U ug/L					
HW38	Phenol	5.00 U ug/L	4,500.00 ug/L				
HW38-P	Phenol	5.00 U ug/L	4,500.00 ug/L				
HW38	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW38-P	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW38	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
HW38-P	Phthalate, Dimethyl	5.00 U ug/L	1,400.00 ug/L				
HW38	Phthalate, di-n-butyl-	5.00 U ug/L	670.00 ug/L				
HW38-P	Phthalate, di-n-butyl-	5.00 U ug/L	670.00 ug/L				
HW38	Phthalate, di-n-octyl	5.00 U ug/L					
HW38-P	Phthalate, di-n-octyl	5.00 U ug/L					
HW38	Phthalate-diethyl	5.00 U ug/L	11,000.00 ug/L				
HW38-P	Phthalate-diethyl	5.00 U ug/L	11,000.00 ug/L				
HW38	Propylamine,n-nitroso di-n-	5.00 U ug/L	0.93 ug/L				
HW38-P	Propylamine,n-nitroso di-n-	5.00 U ug/L	0.93 ug/L				
HW38	Pyrene	0.01 J ug/L	87.00 ug/L				
HW38-P	Pyrene	5.00 U ug/L	87.00 ug/L				
HW38	Pyrene-indeno(1,2,3-cd)	5.00 U ug/L	3.00 ug/L				
HW38-P	Pyrene-indeno(1,2,3-cd)	5.00 U ug/L	3.00 ug/L				
HW38	Tetrachlorobenzene, 1,2,4,5-	5.00 U ug/L	1.20 ug/L				
HW38-P	Tetrachlorobenzene, 1,2,4,5-	5.00 U ug/L	1.20 ug/L				
HW38	Tetrachlorophenol, 2,3,4,6-	5.00 U ug/L	170.00 ug/L				
HW38-P	Tetrachlorophenol, 2,3,4,6-	5.00 U ug/L	170.00 ug/L				
HW38	Trichlorophenol-2,4,5	5.00 U ug/L	890.00 ug/L				
HW38-P	Trichlorophenol-2,4,5	5.00 U ug/L	890.00 ug/L				
HW38	Trichlorophenol-2,4,6	5.00 U ug/L	9.04 ug/L				
HW38-P	Trichlorophenol-2,4,6	5.00 U ug/L	9.04 ug/L				
HW38	TPH - Diesel Range Organics	240.00 U ug/L					
HW38-P	TPH - Diesel Range Organics	250.00 U ug/L					
HW38	TPH - Gasoline Range Organics	50.00 U ug/L					
HW38-P	TPH - Gasoline Range Organics	50.00 U ug/L					
HW38	TPH - Oil Range Organics	950.00 U ug/L					
HW38-P	TPH - Oil Range Organics	1,000.00 U ug/L					
HW38	1,2-Dibromo-3-chloropropane (DBCP)	2.00 U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW38-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
HW38	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				
HW38-P	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				
HW38	Acetone	2.00 U ug/L					
HW38-P	Acetone	2.00 U ug/L					
HW38	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW38-P	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW38	Bromobenzene	0.50 U ug/L					
HW38-P	Bromobenzene	0.50 U ug/L					
HW38	Bromoform	1.00 U ug/L		80.00 ug/L		80.00 ug/L	
HW38-P	Bromoform	1.00 U ug/L		80.00 ug/L		80.00 ug/L	
HW38	Butylbenzene	0.50 U ug/L					
HW38-P	Butylbenzene	0.50 U ug/L					
HW38	Butylbenzene, sec-	0.50 U ug/L					
HW38-P	Butylbenzene, sec-	0.50 U ug/L					
HW38	Butylbenzene, tert-	0.50 U ug/L					
HW38-P	Butylbenzene, tert-	0.50 U ug/L					
HW38	Carbon disulfide	0.50 U ug/L					
HW38-P	Carbon disulfide	0.50 U ug/L					
HW38	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW38-P	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW38	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW38-P	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW38	Chlorobromomethane	0.50 U ug/L					
HW38-P	Chlorobromomethane	0.50 U ug/L					
HW38	Chloroethane	0.50 U ug/L					
HW38-P	Chloroethane	0.50 U ug/L					
HW38	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW38-P	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW38	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
HW38-P	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW38	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW38-P	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW38	Cyclohexane	0.50 U ug/L					
HW38-P	Cyclohexane	0.50 U ug/L					
HW38	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW38-P	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW38	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW38-P	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW38	Dibromomethane	0.50 U ug/L					
HW38-P	Dibromomethane	0.50 U ug/L					
HW38	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW38-P	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW38	Dichlorobenzene-1,3	0.50 U ug/L					
HW38-P	Dichlorobenzene-1,3	0.50 U ug/L					
HW38	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW38-P	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW38	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW38-P	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW38	Dichlorodifluoromethane	0.50 U ug/L					
HW38-P	Dichlorodifluoromethane	0.50 U ug/L					
HW38	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW38-P	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW38	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW38-P	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW38	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW38-P	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW38	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW38-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
HW38	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW38-P	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW38	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW38-P	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW38	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW38-P	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW38	Dichloropropane, 2,2-	0.50 U ug/L					
HW38-P	Dichloropropane, 2,2-	0.50 U ug/L					
HW38	Dichloropropene, 1,1-	0.50 U ug/L					
HW38-P	Dichloropropene, 1,1-	0.50 U ug/L					
HW38	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW38-P	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW38	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW38-P	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW38	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW38-P	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW38	Freon 113	0.50 U ug/L					
HW38-P	Freon 113	0.50 U ug/L					
HW38	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW38-P	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW38	Isopropylbenzene	0.50 U ug/L					
HW38-P	Isopropylbenzene	0.50 U ug/L					
HW38	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW38-P	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW38	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW38-P	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW38	Methyl acetate	1.00 U ug/L					
HW38-P	Methyl acetate	1.00 U ug/L					
HW38	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
HW38-P	Methyl bromide	0.50 U ug/L					
HW38	Methyl chloride	0.50 U ug/L					
HW38-P	Methyl chloride	0.50 U ug/L					
HW38	Methyl cyclohexane	0.50 U ug/L					
HW38-P	Methyl cyclohexane	0.50 U ug/L					
HW38	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW38-P	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW38	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW38-P	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW38	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW38-P	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW38	Propylbenzene-n	0.50 U ug/L					
HW38-P	Propylbenzene-n	0.50 U ug/L					
HW38	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW38-P	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW38	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW38-P	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW38	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW38-P	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW38	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW38-P	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW38	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW38-P	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW38	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW38-P	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW38	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW38-P	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW38	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW38-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
HW38	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW38-P	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW38	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW38-P	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW38	Trichlorofluoromethane	0.50 U ug/L					
HW38-P	Trichlorofluoromethane	0.50 U ug/L					
HW38	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW38-P	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW38	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW38-P	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW38	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW38-P	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW38	Vinyl acetate	0.50 U ug/L					
HW38-P	Vinyl acetate	0.50 U ug/L					
HW38	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW38-P	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW38	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW38-P	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW38	Nitrogen, Nitrite + Nitrate	1.27 mg/L		10.00 mg/L		10.00 mg/L	
HW38-P	Nitrogen, Nitrite + Nitrate	1.27 mg/L		10.00 mg/L		10.00 mg/L	
HW38	Total Nitrogen	1.00 mg/L					
HW38-P	Total Nitrogen	1.16 mg/L					
HW38	Total Phosphorus as P	0.05 U mg/L					
HW38-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 semivolatiles 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