

HW-51

EPA Validated Data Summary Report

Dimock Residential Sampling

Sample Date: 2/7/2012

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW51	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW51-P	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW51	1-Propanol	10,000.00 U ug/L					
HW51-P	1-Propanol	10,000.00 U ug/L					
HW51	2-Butanol	10,000.00 U ug/L					
HW51-P	2-Butanol	10,000.00 U ug/L					
HW51	Ethanol	10,000.00 U ug/L					
HW51-P	Ethanol	10,000.00 U ug/L					
HW51	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW51-P	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW51	Anionic Surfactants	0.01 U mg/L					
HW51-P	Anionic Surfactants	0.01 U mg/L					
HW51	Heterotrophic Plate Count	R cfu/1mL					
HW51-P	Heterotrophic Plate Count	R cfu/1mL					
HW51	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW51-P	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW51	Ethane	75.00 ug/L					
HW51-P	Ethane	100.00 ug/L					
HW51	Ethene	1.10 U ug/L					
HW51-P	Ethene	1.10 U ug/L					
HW51	Methane	3,400.00 ug/L	28,000.00 ug/L				
HW51-P	Methane	5,600.00 ug/L	28,000.00 ug/L				
HW51	2-Butoxyethanol	5.00 U ug/L					
HW51-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
HW51	2-Methoxyethanol	10.00	U ug/L	78.00 ug/L				
HW51	2-Methoxyethanol	5.00	UJ ug/L	78.00 ug/L				
HW51-P	2-Methoxyethanol	5.00	UJ ug/L	78.00 ug/L				
HW51-P	2-Methoxyethanol	10.00	U ug/L	78.00 ug/L				
HW51	Diethylene Glycol	50.00	U ug/L	8,000.00 ug/L				
HW51-P	Diethylene Glycol	50.00	U ug/L	8,000.00 ug/L				
HW51	Ethylene Glycol	10.00	U mg/L	31,000.00 ug/L				
HW51-P	Ethylene Glycol	10.00	U mg/L	31,000.00 ug/L				
HW51	Tetraethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW51-P	Tetraethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW51	Triethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW51-P	Triethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW51	Bromide	0.50	U mg/L					
HW51-P	Bromide	0.50	U mg/L					
HW51	Chloride	5.63	mg/L			250.00 mg/L		250.00 mg/L
HW51-P	Chloride	5.36	mg/L			250.00 mg/L		250.00 mg/L
HW51	Fluoride	0.10	U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW51-P	Fluoride	0.10	U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW51	Sulfate	12.00	mg/L			250.00 mg/L		250.00 mg/L
HW51-P	Sulfate	12.10	mg/L			250.00 mg/L		250.00 mg/L
HW51	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW51-F	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW51-P	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW51-PF	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW51	Aluminum	46.50	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW51-F	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW51-P	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW51-PF	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW51	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
HW51-F	Antimony	2.00	U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW51-P	Antimony	2.00	U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW51-PF	Antimony	2.00	U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW51	Arsenic	1.00	U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW51-F	Arsenic	1.10	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW51-P	Arsenic	1.00	U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW51-PF	Arsenic	1.00	U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW51	Barium	69.10	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW51-F	Barium	70.90	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW51-P	Barium	70.10	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW51-PF	Barium	71.30	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW51	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW51-F	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW51-P	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW51-PF	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW51	Boron	50.00	U ug/L	3,100.00 ug/L				
HW51-F	Boron	50.00	U ug/L	3,100.00 ug/L				
HW51-P	Boron	50.00	U ug/L	3,100.00 ug/L				
HW51-PF	Boron	50.00	U ug/L	3,100.00 ug/L				
HW51	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW51-F	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW51-P	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW51-PF	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW51	Calcium	28,000.00	ug/L					
HW51-F	Calcium	27,700.00	ug/L					
HW51-P	Calcium	27,900.00	ug/L					
HW51-PF	Calcium	27,400.00	ug/L					
HW51	Chromium	2.00	U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW51-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
HW51-P	Chromium	2.00	U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW51-PF	Chromium	2.00	U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW51	Cobalt	1.00	U ug/L	4.70 ug/L				
HW51-F	Cobalt	1.00	U ug/L	4.70 ug/L				
HW51-P	Cobalt	1.00	U ug/L	4.70 ug/L				
HW51-PF	Cobalt	1.00	U ug/L	4.70 ug/L				
HW51	Copper	34.40	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW51-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***	
HW51-P	Copper	11.70	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW51-PF	Copper	7.30	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW51	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW51-F	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW51-P	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW51-PF	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW51	Lead	1.20	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW51-F	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW51-P	Lead	1.10	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW51-PF	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW51	Lithium	200.00	U ug/L	31.00 ug/L				
HW51-F	Lithium	200.00	U ug/L	31.00 ug/L				
HW51-P	Lithium	200.00	U ug/L	31.00 ug/L				
HW51-PF	Lithium	200.00	U ug/L	31.00 ug/L				
HW51	Magnesium	6,780.00	ug/L					
HW51-F	Magnesium	6,670.00	ug/L					
HW51-P	Magnesium	6,730.00	ug/L					
HW51-PF	Magnesium	6,650.00	ug/L					
HW51	Manganese	39.90	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW51-F	Manganese	39.80	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW51-P	Manganese	40.80	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
HW51-PF	Manganese	40.50	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW51	Nickel	1.40	ug/L	300.00 ug/L				
HW51-F	Nickel	1.20	ug/L	300.00 ug/L				
HW51-P	Nickel	1.50	ug/L	300.00 ug/L				
HW51-PF	Nickel	1.20	ug/L	300.00 ug/L				
HW51	Potassium	2,000.00	U ug/L					
HW51-F	Potassium	2,000.00	U ug/L					
HW51-P	Potassium	2,000.00	U ug/L					
HW51-PF	Potassium	2,000.00	U ug/L					
HW51	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW51-F	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW51-P	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW51-PF	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW51	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW51-F	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW51-P	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW51-PF	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW51	Sodium	5,230.00	ug/L	20,000.00 ug/L				
HW51-F	Sodium	5,180.00	ug/L	20,000.00 ug/L				
HW51-P	Sodium	5,110.00	ug/L	20,000.00 ug/L				
HW51-PF	Sodium	5,080.00	ug/L	20,000.00 ug/L				
HW51	Strontium	212.00	ug/L	9,300.00 ug/L				
HW51-F	Strontium	213.00	ug/L	9,300.00 ug/L				
HW51-P	Strontium	211.00	ug/L	9,300.00 ug/L				
HW51-PF	Strontium	208.00	ug/L	9,300.00 ug/L				
HW51	Thallium	1.00	U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW51-F	Thallium	1.00	U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW51-P	Thallium	1.00	U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW51-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
HW51	Tin	200.00	U ug/L	9,300.00 ug/L				
HW51-F	Tin	200.00	U ug/L	9,300.00 ug/L				
HW51-P	Tin	200.00	U ug/L	9,300.00 ug/L				
HW51-PF	Tin	200.00	U ug/L	9,300.00 ug/L				
HW51	Titanium	200.00	U ug/L					
HW51-F	Titanium	200.00	U ug/L					
HW51-P	Titanium	200.00	U ug/L					
HW51-PF	Titanium	200.00	U ug/L					
HW51	Uranium	1.00	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW51-F	Uranium	1.10	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW51-P	Uranium	1.00	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW51-PF	Uranium	1.00	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW51	Vanadium	5.00	U ug/L	78.00 ug/L				
HW51-F	Vanadium	5.00	U ug/L	78.00 ug/L				
HW51-P	Vanadium	5.00	U ug/L	78.00 ug/L				
HW51-PF	Vanadium	5.00	U ug/L	78.00 ug/L				
HW51	Zinc	2.70	J ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW51-F	Zinc	2.00	U ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW51-P	Zinc	7.20	J ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW51-PF	Zinc	2.30	J ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW51	Oil and Grease	5.20	U mg/L					
HW51-P	Oil and Grease	5.10	U mg/L					
HW51	Total Dissolved Solids	117.00	mg/L			500.00 mg/L		500.00 mg/L
HW51-P	Total Dissolved Solids	119.00	mg/L			500.00 mg/L		500.00 mg/L
HW51	Total Suspended Solids	10.00	U mg/L					
HW51-P	Total Suspended Solids	10.00	U mg/L					
HW51	1-Methylnaphthalene	5.00	UJ ug/L	97.00 ug/L				
HW51-P	1-Methylnaphthalene	5.00	UJ ug/L	97.00 ug/L				
HW51	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
HW51-P	Acenaphthene	5.00	U ug/L	400.00 ug/L				
HW51	Acenaphthylene	5.00	U ug/L					
HW51-P	Acenaphthylene	5.00	U ug/L					
HW51	Acetophenone	5.00	U ug/L	1,500.00 ug/L				
HW51-P	Acetophenone	5.00	U ug/L	1,500.00 ug/L				
HW51	Anthracene	5.00	U ug/L	1,300.00 ug/L				
HW51-P	Anthracene	5.00	U ug/L	1,300.00 ug/L				
HW51	Atrazine	5.00	U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW51-P	Atrazine	5.00	U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW51	Benzo(a)anthracene	5.00	U ug/L	2.90 ug/L				
HW51-P	Benzo(a)anthracene	5.00	U ug/L	2.90 ug/L				
HW51	Benzo(a)pyrene	5.00	U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW51-P	Benzo(a)pyrene	5.00	U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW51	Biphenyl	5.00	U ug/L					
HW51-P	Biphenyl	5.00	U ug/L					
HW51	Bromophenyl-4 Phenyl Ether	5.00	U ug/L					
HW51-P	Bromophenyl-4 Phenyl Ether	5.00	U ug/L					
HW51	Butylbenzyl phthalate	5.00	U ug/L	1,400.00 ug/L				
HW51-P	Butylbenzyl phthalate	5.00	U ug/L	1,400.00 ug/L				
HW51	Caprolactam	5.00	U ug/L	7,700.00 ug/L				
HW51-P	Caprolactam	5.00	U ug/L	7,700.00 ug/L				
HW51	Carbazole	5.00	U ug/L					
HW51-P	Carbazole	5.00	U ug/L					
HW51	Chlorobenzenamine-4	5.00	U ug/L	3.20 ug/L				
HW51-P	Chlorobenzenamine-4	5.00	U ug/L	3.20 ug/L				
HW51	Chloronaphthalene-2	5.00	U ug/L	550.00 ug/L				
HW51-P	Chloronaphthalene-2	5.00	U ug/L	550.00 ug/L				
HW51	Chlorophenol-2	R	ug/L	71.00 ug/L				
HW51-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
HW51	Chlorophenyl-4 phenyl ether	5.00 U ug/L					
HW51-P	Chlorophenyl-4 phenyl ether	5.00 U ug/L					
HW51	Chrysene	5.00 U ug/L	290.00 ug/L				
HW51-P	Chrysene	5.00 U ug/L	290.00 ug/L				
HW51	Cresol, parachloro meta-	R ug/L					
HW51-P	Cresol, parachloro meta-	5.00 U ug/L					
HW51	Cresol-4,6-dinitro-ortho	R ug/L					
HW51-P	Cresol-4,6-dinitro-ortho	10.00 U ug/L					
HW51	Cresol-o	R ug/L	720.00 ug/L				
HW51-P	Cresol-o	5.00 U ug/L	720.00 ug/L				
HW51	Cresol-p	R ug/L	72.00 ug/L				
HW51-P	Cresol-p	5.00 U ug/L	72.00 ug/L				
HW51	Dibenz(a,h)anthracene	5.00 U ug/L	0.29 ug/L				
HW51-P	Dibenz(a,h)anthracene	5.00 U ug/L	0.29 ug/L				
HW51	Dibenzofuran	5.00 U ug/L					
HW51-P	Dibenzofuran	5.00 U ug/L					
HW51	Dichlorobenzidine-3,3'	5.00 U ug/L	11.00 ug/L				
HW51-P	Dichlorobenzidine-3,3'	5.00 U ug/L	11.00 ug/L				
HW51	Dichlorophenol-2,4	R ug/L	35.00 ug/L				
HW51-P	Dichlorophenol-2,4	5.00 U ug/L	35.00 ug/L				
HW51	Dimethylphenol, 2,4-	R ug/L	270.00 ug/L				
HW51-P	Dimethylphenol, 2,4-	5.00 U ug/L	270.00 ug/L				
HW51	Dinitrophenol-2,4	R ug/L	30.00 ug/L				
HW51-P	Dinitrophenol-2,4	5.00 U ug/L	30.00 ug/L				
HW51	Dinitrotoluene-2,4	5.00 U ug/L					
HW51-P	Dinitrotoluene-2,4	5.00 U ug/L					
HW51	Dinitrotoluene-2,6	5.00 U ug/L					
HW51-P	Dinitrotoluene-2,6	5.00 U ug/L					
HW51	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
HW51-P	Ether, bis(2-chloroethyl)	5.00 U ug/L	1.20 ug/L				
HW51	Ether-bis(2-chloroisopropyl)	5.00 U ug/L					
HW51-P	Ether-bis(2-chloroisopropyl)	5.00 U ug/L					
HW51	Fluoranthene	5.00 U ug/L	630.00 ug/L				
HW51-P	Fluoranthene	5.00 U ug/L	630.00 ug/L				
HW51	Fluoranthene benzo(k)	5.00 U ug/L	29.00 ug/L				
HW51-P	Fluoranthene benzo(k)	5.00 U ug/L	29.00 ug/L				
HW51	Fluoranthene-benzo(b)	5.00 U ug/L	5.60 ug/L				
HW51-P	Fluoranthene-benzo(b)	5.00 U ug/L	5.60 ug/L				
HW51	Fluorene	5.00 U ug/L	220.00 ug/L				
HW51-P	Fluorene	5.00 U ug/L	220.00 ug/L				
HW51	Hexachlorobenzene	5.00 U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW51-P	Hexachlorobenzene	5.00 U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW51	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW51	Hexachlorobutadiene	5.00 U ug/L	26.00 ug/L				
HW51-P	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW51-P	Hexachlorobutadiene	5.00 U ug/L	26.00 ug/L				
HW51	Hexachlorocyclopentadiene	5.00 U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW51-P	Hexachlorocyclopentadiene	5.00 U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW51	Hexachloroethane	5.00 U ug/L	5.10 ug/L				
HW51-P	Hexachloroethane	5.00 U ug/L	5.10 ug/L				
HW51	Isophorone	5.00 U ug/L	6,700.00 ug/L				
HW51-P	Isophorone	5.00 U ug/L	6,700.00 ug/L				
HW51	Methane, bis(2-chloroethoxy)	5.00 U ug/L	47.00 ug/L				
HW51-P	Methane, bis(2-chloroethoxy)	5.00 U ug/L	47.00 ug/L				
HW51	Methylnaphthalene-2	5.00 U ug/L	27.00 ug/L				
HW51-P	Methylnaphthalene-2	5.00 U ug/L	27.00 ug/L				
HW51	Naphthalene	0.50 U ug/L	14.00 ug/L				
HW51	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
HW51-P	Naphthalene	5.00	U ug/L	14.00 ug/L				
HW51-P	Naphthalene	0.50	U ug/L	14.00 ug/L				
HW51	Nitroaniline, ortho	5.00	U ug/L	150.00 ug/L				
HW51-P	Nitroaniline, ortho	5.00	U ug/L	150.00 ug/L				
HW51	Nitroaniline-3	5.00	U ug/L					
HW51-P	Nitroaniline-3	5.00	U ug/L					
HW51	Nitrobenzenamine-4	5.00	U ug/L	61.00 ug/L				
HW51-P	Nitrobenzenamine-4	5.00	U ug/L	61.00 ug/L				
HW51	Nitrobenzene	5.00	U ug/L	12.00 ug/L				
HW51-P	Nitrobenzene	5.00	U ug/L	12.00 ug/L				
HW51	Nitrophenol-2	R	ug/L					
HW51-P	Nitrophenol-2	5.00	U ug/L					
HW51	Nitrophenol-4	R	ug/L					
HW51-P	Nitrophenol-4	10.00	U ug/L					
HW51	Nitrosodimethylamine-n	5.00	U ug/L	0.04 ug/L				
HW51-P	Nitrosodimethylamine-n	5.00	U ug/L	0.04 ug/L				
HW51	Nitrosodiphenylamine-n	5.00	U ug/L	1,000.00 ug/L				
HW51-P	Nitrosodiphenylamine-n	5.00	U ug/L	1,000.00 ug/L				
HW51	Pentachlorophenol	R	ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW51-P	Pentachlorophenol	5.00	U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW51	Perylene-benzo(ghi)	5.00	U ug/L					
HW51-P	Perylene-benzo(ghi)	5.00	U ug/L					
HW51	Phenanthrene	5.00	U ug/L					
HW51-P	Phenanthrene	5.00	U ug/L					
HW51	Phenol	R	ug/L	4,500.00 ug/L				
HW51-P	Phenol	5.00	U ug/L	4,500.00 ug/L				
HW51	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW51-P	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW51	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
HW51-P	Phthalate, Dimethyl	5.00	U ug/L	1,400.00 ug/L				
HW51	Phthalate, di-n-butyl-	5.00	U ug/L	670.00 ug/L				
HW51-P	Phthalate, di-n-butyl-	5.00	U ug/L	670.00 ug/L				
HW51	Phthalate, di-n-octyl	5.00	U ug/L					
HW51-P	Phthalate, di-n-octyl	5.00	U ug/L					
HW51	Phthalate-diethyl	5.00	U ug/L	11,000.00 ug/L				
HW51-P	Phthalate-diethyl	5.00	U ug/L	11,000.00 ug/L				
HW51	Propylamine,n-nitroso di-n-	5.00	U ug/L	0.93 ug/L				
HW51-P	Propylamine,n-nitroso di-n-	5.00	U ug/L	0.93 ug/L				
HW51	Pyrene	0.01	J ug/L	87.00 ug/L				
HW51-P	Pyrene	5.00	U ug/L	87.00 ug/L				
HW51	Pyrene-indeno(1,2,3-cd)	5.00	U ug/L	3.00 ug/L				
HW51-P	Pyrene-indeno(1,2,3-cd)	5.00	U ug/L	3.00 ug/L				
HW51	Tetrachlorobenzene, 1,2,4,5-	5.00	U ug/L	1.20 ug/L				
HW51-P	Tetrachlorobenzene, 1,2,4,5-	5.00	U ug/L	1.20 ug/L				
HW51	Tetrachlorophenol, 2,3,4,6-		R ug/L	170.00 ug/L				
HW51-P	Tetrachlorophenol, 2,3,4,6-	5.00	U ug/L	170.00 ug/L				
HW51	Trichlorophenol-2,4,5		R ug/L	890.00 ug/L				
HW51-P	Trichlorophenol-2,4,5	5.00	U ug/L	890.00 ug/L				
HW51	Trichlorophenol-2,4,6		R ug/L	9.04 ug/L				
HW51-P	Trichlorophenol-2,4,6	5.00	U ug/L	9.04 ug/L				
HW51	TPH - Diesel Range Organics	260.00	U ug/L					
HW51-P	TPH - Diesel Range Organics	250.00	U ug/L					
HW51	TPH - Gasoline Range Organics	50.00	U ug/L					
HW51-P	TPH - Gasoline Range Organics	50.00	U ug/L					
HW51	TPH - Oil Range Organics	1,100.00	U ug/L					
HW51-P	TPH - Oil Range Organics	1,000.00	U ug/L					
HW51	1,2-Dibromo-3-chloropropane (DBCP)	2.00	U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW51-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
HW51	4-Methyl-2-pentanone	2.00	U ug/L	1,000.00 ug/L				
HW51-P	4-Methyl-2-pentanone	2.00	U ug/L	1,000.00 ug/L				
HW51	Acetone	2.00	U ug/L					
HW51-P	Acetone	2.00	U ug/L					
HW51	Benzene	0.50	U ug/L		5.00 ug/L		5.00 ug/L	
HW51-P	Benzene	0.50	U ug/L		5.00 ug/L		5.00 ug/L	
HW51	Bromobenzene	0.50	U ug/L					
HW51-P	Bromobenzene	0.50	U ug/L					
HW51	Bromoform	1.00	U ug/L		80.00 ug/L		80.00 ug/L	
HW51-P	Bromoform	1.00	U ug/L		80.00 ug/L		80.00 ug/L	
HW51	Butylbenzene	0.50	U ug/L					
HW51-P	Butylbenzene	0.50	U ug/L					
HW51	Butylbenzene, sec-	0.50	U ug/L					
HW51-P	Butylbenzene, sec-	0.50	U ug/L					
HW51	Butylbenzene, tert-	0.50	U ug/L					
HW51-P	Butylbenzene, tert-	0.50	U ug/L					
HW51	Carbon disulfide	0.50	U ug/L					
HW51-P	Carbon disulfide	0.50	U ug/L					
HW51	Carbon Tetrachloride	0.50	U ug/L		5.00 ug/L		5.00 ug/L	
HW51-P	Carbon Tetrachloride	0.50	U ug/L		5.00 ug/L		5.00 ug/L	
HW51	Chlorobenzene	0.50	U ug/L		100.00 ug/L			
HW51-P	Chlorobenzene	0.50	U ug/L		100.00 ug/L			
HW51	Chlorobromomethane	0.50	U ug/L					
HW51-P	Chlorobromomethane	0.50	U ug/L					
HW51	Chloroethane	0.50	U ug/L					
HW51-P	Chloroethane	0.50	U ug/L					
HW51	Chloroform	0.50	U ug/L		80.00 ug/L		80.00 ug/L	
HW51-P	Chloroform	0.50	U ug/L		80.00 ug/L		80.00 ug/L	
HW51	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
HW51-P	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW51	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW51-P	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW51	Cyclohexane	0.50 U ug/L					
HW51-P	Cyclohexane	0.50 U ug/L					
HW51	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW51-P	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW51	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW51-P	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW51	Dibromomethane	0.50 U ug/L					
HW51-P	Dibromomethane	0.50 U ug/L					
HW51	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW51-P	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW51	Dichlorobenzene-1,3	0.50 U ug/L					
HW51-P	Dichlorobenzene-1,3	0.50 U ug/L					
HW51	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW51-P	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW51	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW51-P	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW51	Dichlorodifluoromethane	0.50 U ug/L					
HW51-P	Dichlorodifluoromethane	0.50 U ug/L					
HW51	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW51-P	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW51	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW51-P	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW51	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW51-P	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW51	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW51-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
HW51	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW51-P	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW51	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW51-P	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW51	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW51-P	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW51	Dichloropropane, 2,2-	0.50 U ug/L					
HW51-P	Dichloropropane, 2,2-	0.50 U ug/L					
HW51	Dichloropropene, 1,1-	0.50 U ug/L					
HW51-P	Dichloropropene, 1,1-	0.50 U ug/L					
HW51	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW51-P	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW51	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW51-P	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW51	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW51-P	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW51	Freon 113	0.50 U ug/L					
HW51-P	Freon 113	0.50 U ug/L					
HW51	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW51-P	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW51	Isopropylbenzene	0.50 U ug/L					
HW51-P	Isopropylbenzene	0.50 U ug/L					
HW51	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW51-P	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW51	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW51-P	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW51	Methyl acetate	1.00 U ug/L					
HW51-P	Methyl acetate	1.00 U ug/L					
HW51	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
HW51-P	Methyl bromide	0.50 U ug/L					
HW51	Methyl chloride	0.50 U ug/L					
HW51-P	Methyl chloride	0.50 U ug/L					
HW51	Methyl cyclohexane	0.50 U ug/L					
HW51-P	Methyl cyclohexane	0.50 U ug/L					
HW51	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW51-P	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW51	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW51-P	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW51	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW51-P	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW51	Propylbenzene-n	0.50 U ug/L					
HW51-P	Propylbenzene-n	0.50 U ug/L					
HW51	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW51-P	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW51	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW51-P	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW51	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW51-P	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW51	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW51-P	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW51	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW51-P	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW51	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW51-P	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW51	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW51-P	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW51	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW51-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
HW51	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW51-P	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW51	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW51-P	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW51	Trichlorofluoromethane	0.50 U ug/L					
HW51-P	Trichlorofluoromethane	0.50 U ug/L					
HW51	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW51-P	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW51	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW51-P	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW51	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW51-P	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW51	Vinyl acetate	0.50 U ug/L					
HW51-P	Vinyl acetate	0.50 U ug/L					
HW51	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW51-P	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW51	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW51-P	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW51	Nitrogen, Nitrite + Nitrate	0.05 U mg/L		10.00 mg/L		10.00 mg/L	
HW51-P	Nitrogen, Nitrite + Nitrate	0.05 U mg/L		10.00 mg/L		10.00 mg/L	
HW51	Total Nitrogen	1.00 U mg/L					
HW51-P	Total Nitrogen	1.00 U mg/L					
HW51	Total Phosphorus as P	0.05 U mg/L					
HW51-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