

# HW-53

## EPA Validated Data Summary Report

### Dimock Residential Sampling

Sample Date: 2/13/2012

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW53	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW53-P	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW53	1-Propanol	10,000.00 U ug/L					
HW53-P	1-Propanol	10,000.00 U ug/L					
HW53	2-Butanol	10,000.00 U ug/L					
HW53-P	2-Butanol	10,000.00 U ug/L					
HW53	Ethanol	10,000.00 U ug/L					
HW53-P	Ethanol	10,000.00 U ug/L					
HW53	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW53-P	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW53	Anionic Surfactants	0.01 U mg/L					
HW53-P	Anionic Surfactants	0.01 U mg/L					
HW53	Heterotrophic Plate Count	R cfu/1mL					
HW53-P	Heterotrophic Plate Count	R cfu/1mL					
HW53	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW53-P	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW53	Ethane	1.20 U ug/L					
HW53-P	Ethane	1.20 U ug/L					
HW53	Ethene	1.10 U ug/L					
HW53-P	Ethene	1.10 U ug/L					
HW53	Methane	1.20 U ug/L	28,000.00 ug/L				
HW53-P	Methane	1.20 U ug/L	28,000.00 ug/L				
HW53	2-Butoxyethanol	5.00 U ug/L					
HW53-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
HW53	2-Methoxyethanol	10.00	U ug/L	78.00 ug/L				
HW53	2-Methoxyethanol		R ug/L	78.00 ug/L				
HW53-P	2-Methoxyethanol		R ug/L	78.00 ug/L				
HW53-P	2-Methoxyethanol	10.00	U ug/L	78.00 ug/L				
HW53	Diethylene Glycol	25.00	U ug/L	8,000.00 ug/L				
HW53-P	Diethylene Glycol	25.00	U ug/L	8,000.00 ug/L				
HW53	Ethylene Glycol	10,000.00	U ug/L	31,000.00 ug/L				
HW53-P	Ethylene Glycol	10,000.00	U ug/L	31,000.00 ug/L				
HW53	Tetraethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW53-P	Tetraethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW53	Triethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW53-P	Triethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW53	Bromide	0.50	U mg/L					
HW53-P	Bromide	0.50	U mg/L					
HW53	Chloride	13.30	mg/L			250.00 mg/L		250.00 mg/L
HW53-P	Chloride	13.20	mg/L			250.00 mg/L		250.00 mg/L
HW53	Fluoride	0.10	U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW53-P	Fluoride	0.10	U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW53	Sulfate	10.00	mg/L			250.00 mg/L		250.00 mg/L
HW53-P	Sulfate	10.00	mg/L			250.00 mg/L		250.00 mg/L
HW53	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW53-F	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW53-P	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW53-PF	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW53	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW53-F	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW53-P	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW53-PF	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW53	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
HW53-F	Antimony	2.00	U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW53-P	Antimony	2.00	U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW53-PF	Antimony	2.00	U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW53	Arsenic	1.80	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW53-F	Arsenic	1.10	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW53-P	Arsenic	1.50	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW53-PF	Arsenic	2.00	U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW53	Barium	110.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW53-F	Barium	107.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW53-P	Barium	106.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW53-PF	Barium	109.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW53	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW53-F	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW53-P	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW53-PF	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW53	Boron	50.00	U ug/L	3,100.00 ug/L				
HW53-F	Boron	50.00	U ug/L	3,100.00 ug/L				
HW53-P	Boron	50.00	U ug/L	3,100.00 ug/L				
HW53-PF	Boron	50.00	U ug/L	3,100.00 ug/L				
HW53	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW53-F	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW53-P	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW53-PF	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW53	Calcium	35,100.00	ug/L					
HW53-F	Calcium	35,400.00	ug/L					
HW53-P	Calcium	34,800.00	ug/L					
HW53-PF	Calcium	35,600.00	ug/L					
HW53	Chromium	2.00	U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW53-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
HW53-P	Chromium	2.00	U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW53-PF	Chromium	2.00	U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW53	Cobalt	1.00	U ug/L	4.70 ug/L				
HW53-F	Cobalt	1.00	U ug/L	4.70 ug/L				
HW53-P	Cobalt	1.00	U ug/L	4.70 ug/L				
HW53-PF	Cobalt	1.00	U ug/L	4.70 ug/L				
HW53	Copper	4.40	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW53-F	Copper	3.00	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW53-P	Copper	26.90	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW53-PF	Copper	26.90	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW53	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW53-F	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW53-P	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW53-PF	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW53	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW53-F	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW53-P	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW53-PF	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW53	Lithium	200.00	U ug/L	31.00 ug/L				
HW53-F	Lithium	200.00	U ug/L	31.00 ug/L				
HW53-P	Lithium	200.00	U ug/L	31.00 ug/L				
HW53-PF	Lithium	200.00	U ug/L	31.00 ug/L				
HW53	Magnesium	5,890.00	ug/L					
HW53-F	Magnesium	5,930.00	ug/L					
HW53-P	Magnesium	5,880.00	ug/L					
HW53-PF	Magnesium	5,980.00	ug/L					
HW53	Manganese	71.10	J ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW53-F	Manganese	2.40	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW53-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
HW53-PF	Manganese	1.00	U ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW53	Nickel	1.40	ug/L	300.00 ug/L				
HW53-F	Nickel	1.40	ug/L	300.00 ug/L				
HW53-P	Nickel	1.30	ug/L	300.00 ug/L				
HW53-PF	Nickel	1.40	ug/L	300.00 ug/L				
HW53	Potassium	2,000.00	U ug/L					
HW53-F	Potassium	2,000.00	U ug/L					
HW53-P	Potassium	2,000.00	U ug/L					
HW53-PF	Potassium	2,000.00	U ug/L					
HW53	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW53-F	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW53-P	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW53-PF	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW53	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW53-F	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW53-P	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW53-PF	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW53	Sodium	5,940.00	ug/L	20,000.00 ug/L				
HW53-F	Sodium	5,960.00	ug/L	20,000.00 ug/L				
HW53-P	Sodium	5,910.00	ug/L	20,000.00 ug/L				
HW53-PF	Sodium	5,970.00	ug/L	20,000.00 ug/L				
HW53	Strontium	200.00	U ug/L	9,300.00 ug/L				
HW53-F	Strontium	200.00	U ug/L	9,300.00 ug/L				
HW53-P	Strontium	200.00	U ug/L	9,300.00 ug/L				
HW53-PF	Strontium	200.00	U ug/L	9,300.00 ug/L				
HW53	Thallium	1.00	U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW53-F	Thallium	1.00	U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW53-P	Thallium	1.00	U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW53-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
HW53	Tin	200.00	U ug/L	9,300.00 ug/L				
HW53-F	Tin	200.00	U ug/L	9,300.00 ug/L				
HW53-P	Tin	200.00	U ug/L	9,300.00 ug/L				
HW53-PF	Tin	200.00	U ug/L	9,300.00 ug/L				
HW53	Titanium	200.00	U ug/L					
HW53-F	Titanium	200.00	U ug/L					
HW53-P	Titanium	200.00	U ug/L					
HW53-PF	Titanium	200.00	U ug/L					
HW53	Uranium	1.00	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW53-F	Uranium	1.00	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW53-P	Uranium	1.00	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW53-PF	Uranium	1.00	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW53	Vanadium	5.00	U ug/L	78.00 ug/L				
HW53-F	Vanadium	5.00	U ug/L	78.00 ug/L				
HW53-P	Vanadium	5.00	U ug/L	78.00 ug/L				
HW53-PF	Vanadium	5.00	U ug/L	78.00 ug/L				
HW53	Zinc	2.20	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW53-F	Zinc	2.00	U ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW53-P	Zinc	2.00	U ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW53-PF	Zinc	2.00	U ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW53	Oil and Grease	5.20	UJ mg/L					
HW53-P	Oil and Grease	5.20	UJ mg/L					
HW53	Total Dissolved Solids	138.00	mg/L			500.00 mg/L		500.00 mg/L
HW53-P	Total Dissolved Solids	47.00	mg/L			500.00 mg/L		500.00 mg/L
HW53	Total Suspended Solids	10.00	U mg/L					
HW53-P	Total Suspended Solids	10.00	U mg/L					
HW53	1-Methylnaphthalene	4.76	U ug/L	97.00 ug/L				
HW53-P	1-Methylnaphthalene	4.76	U ug/L	97.00 ug/L				
HW53	Acenaphthene	4.76	U ug/L	400.00 ug/L				

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW53-P	Acenaphthene	4.76	U ug/L	400.00 ug/L				
HW53	Acenaphthylene	4.76	U ug/L					
HW53-P	Acenaphthylene	4.76	U ug/L					
HW53	Acetophenone	4.76	U ug/L	1,500.00 ug/L				
HW53-P	Acetophenone	4.76	U ug/L	1,500.00 ug/L				
HW53	Anthracene	0.04	J ug/L	1,300.00 ug/L				
HW53-P	Anthracene	4.76	U ug/L	1,300.00 ug/L				
HW53	Atrazine	57.10	U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW53-P	Atrazine	57.10	U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW53	Benzo(a)anthracene	4.76	U ug/L	2.90 ug/L				
HW53-P	Benzo(a)anthracene	4.76	U ug/L	2.90 ug/L				
HW53	Benzo(a)pyrene	4.76	U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW53-P	Benzo(a)pyrene	4.76	U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW53	Biphenyl	4.76	U ug/L					
HW53-P	Biphenyl	4.76	U ug/L					
HW53	Bromophenyl-4 Phenyl Ether	4.76	U ug/L					
HW53-P	Bromophenyl-4 Phenyl Ether	4.76	U ug/L					
HW53	Butylbenzyl phthalate	0.10	J ug/L	1,400.00 ug/L				
HW53-P	Butylbenzyl phthalate	4.76	U ug/L	1,400.00 ug/L				
HW53	Caprolactam	4.76	U ug/L	7,700.00 ug/L				
HW53-P	Caprolactam	4.76	U ug/L	7,700.00 ug/L				
HW53	Carbazole	0.06	J ug/L					
HW53-P	Carbazole	4.76	U ug/L					
HW53	Chlorobenzenamine-4	R	ug/L	3.20 ug/L				
HW53-P	Chlorobenzenamine-4	R	ug/L	3.20 ug/L				
HW53	Chloronaphthalene-2	4.76	U ug/L	550.00 ug/L				
HW53-P	Chloronaphthalene-2	4.76	U ug/L	550.00 ug/L				
HW53	Chlorophenol-2	4.76	U ug/L	71.00 ug/L				
HW53-P	Chlorophenol-2	4.76	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
HW53	Chlorophenyl-4 phenyl ether	4.76 U ug/L					
HW53-P	Chlorophenyl-4 phenyl ether	4.76 U ug/L					
HW53	Chrysene	4.76 U ug/L	290.00 ug/L				
HW53-P	Chrysene	4.76 U ug/L	290.00 ug/L				
HW53	Cresol, parachloro meta-	4.76 U ug/L					
HW53-P	Cresol, parachloro meta-	4.76 U ug/L					
HW53	Cresol-4,6-dinitro-ortho	57.10 UJ ug/L					
HW53-P	Cresol-4,6-dinitro-ortho	57.10 UJ ug/L					
HW53	Cresol-o	4.76 U ug/L	720.00 ug/L				
HW53-P	Cresol-o	4.76 U ug/L	720.00 ug/L				
HW53	Cresol-p	4.76 U ug/L	72.00 ug/L				
HW53-P	Cresol-p	4.76 U ug/L	72.00 ug/L				
HW53	Dibenz(a,h)anthracene	4.76 U ug/L	0.29 ug/L				
HW53-P	Dibenz(a,h)anthracene	4.76 U ug/L	0.29 ug/L				
HW53	Dibenzofuran	4.76 U ug/L					
HW53-P	Dibenzofuran	4.76 U ug/L					
HW53	Dichlorobenzidine-3,3'	R ug/L	11.00 ug/L				
HW53-P	Dichlorobenzidine-3,3'	R ug/L	11.00 ug/L				
HW53	Dichlorophenol-2,4	4.76 U ug/L	35.00 ug/L				
HW53-P	Dichlorophenol-2,4	4.76 U ug/L	35.00 ug/L				
HW53	Dimethylphenol, 2,4-	4.76 U ug/L	270.00 ug/L				
HW53-P	Dimethylphenol, 2,4-	4.76 U ug/L	270.00 ug/L				
HW53	Dinitrophenol-2,4	57.10 U ug/L	30.00 ug/L				
HW53-P	Dinitrophenol-2,4	57.10 U ug/L	30.00 ug/L				
HW53	Dinitrotoluene-2,4	4.76 U ug/L					
HW53-P	Dinitrotoluene-2,4	4.76 U ug/L					
HW53	Dinitrotoluene-2,6	4.76 U ug/L					
HW53-P	Dinitrotoluene-2,6	4.76 U ug/L					
HW53	Ether, bis(2-chloroethyl)	4.76 U ug/L	1.20 ug/L				



Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW53-P	Ether, bis(2-chloroethyl)	4.76 U ug/L	1.20 ug/L				
HW53	Ether-bis(2-chloroisopropyl)	4.76 U ug/L					
HW53-P	Ether-bis(2-chloroisopropyl)	4.76 U ug/L					
HW53	Fluoranthene	0.06 J ug/L	630.00 ug/L				
HW53-P	Fluoranthene	4.76 U ug/L	630.00 ug/L				
HW53	Fluoranthene benzo(k)	4.76 U ug/L	29.00 ug/L				
HW53-P	Fluoranthene benzo(k)	4.76 U ug/L	29.00 ug/L				
HW53	Fluoranthene-benzo(b)	4.76 U ug/L	5.60 ug/L				
HW53-P	Fluoranthene-benzo(b)	4.76 U ug/L	5.60 ug/L				
HW53	Fluorene	4.76 U ug/L	220.00 ug/L				
HW53-P	Fluorene	4.76 U ug/L	220.00 ug/L				
HW53	Hexachlorobenzene	4.76 U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW53-P	Hexachlorobenzene	4.76 U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW53	Hexachlorobutadiene	4.76 U ug/L	26.00 ug/L				
HW53	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW53-P	Hexachlorobutadiene	4.76 U ug/L	26.00 ug/L				
HW53-P	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW53	Hexachlorocyclopentadiene	4.76 U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW53-P	Hexachlorocyclopentadiene	4.76 U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW53	Hexachloroethane	4.76 U ug/L	5.10 ug/L				
HW53-P	Hexachloroethane	4.76 U ug/L	5.10 ug/L				
HW53	Isophorone	4.76 U ug/L	6,700.00 ug/L				
HW53-P	Isophorone	4.76 U ug/L	6,700.00 ug/L				
HW53	Methane, bis(2-chloroethoxy)	4.76 U ug/L	47.00 ug/L				
HW53-P	Methane, bis(2-chloroethoxy)	4.76 U ug/L	47.00 ug/L				
HW53	Methylnaphthalene-2	4.76 U ug/L	27.00 ug/L				
HW53-P	Methylnaphthalene-2	4.76 U ug/L	27.00 ug/L				
HW53	Naphthalene	4.76 U ug/L	14.00 ug/L				
HW53	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
HW53-P	Naphthalene	0.50	U ug/L	14.00 ug/L				
HW53-P	Naphthalene	4.76	U ug/L	14.00 ug/L				
HW53	Nitroaniline, ortho	4.76	U ug/L	150.00 ug/L				
HW53-P	Nitroaniline, ortho	4.76	U ug/L	150.00 ug/L				
HW53	Nitroaniline-3		R ug/L					
HW53-P	Nitroaniline-3		R ug/L					
HW53	Nitrobenzenamine-4	4.76	U ug/L	61.00 ug/L				
HW53-P	Nitrobenzenamine-4	4.76	U ug/L	61.00 ug/L				
HW53	Nitrobenzene	4.76	U ug/L	12.00 ug/L				
HW53-P	Nitrobenzene	4.76	U ug/L	12.00 ug/L				
HW53	Nitrophenol-2	4.76	U ug/L					
HW53-P	Nitrophenol-2	4.76	U ug/L					
HW53	Nitrophenol-4	9.52	U ug/L					
HW53-P	Nitrophenol-4	9.52	U ug/L					
HW53	Nitrosodimethylamine-n	4.76	U ug/L	0.04 ug/L				
HW53-P	Nitrosodimethylamine-n	4.76	U ug/L	0.04 ug/L				
HW53	Nitrosodiphenylamine-n	4.76	U ug/L	1,000.00 ug/L				
HW53-P	Nitrosodiphenylamine-n	4.76	U ug/L	1,000.00 ug/L				
HW53	Pentachlorophenol	4.76	U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW53-P	Pentachlorophenol	4.76	U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW53	Perylene-benzo(ghi)	4.76	U ug/L					
HW53-P	Perylene-benzo(ghi)	4.76	U ug/L					
HW53	Phenanthrene	4.76	U ug/L					
HW53-P	Phenanthrene	4.76	U ug/L					
HW53	Phenol	4.76	U ug/L	4,500.00 ug/L				
HW53-P	Phenol	4.76	U ug/L	4,500.00 ug/L				
HW53	Phthalate, bis(2-ethylhexyl) (DEHP)	4.76	U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW53-P	Phthalate, bis(2-ethylhexyl) (DEHP)	4.76	U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW53	Phthalate, Dimethyl	4.76	U ug/L	1,400.00 ug/L				

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW53-P	Phthalate, Dimethyl	4.76	U ug/L	1,400.00 ug/L				
HW53	Phthalate, di-n-butyl-	4.76	U ug/L	670.00 ug/L				
HW53-P	Phthalate, di-n-butyl-	4.76	U ug/L	670.00 ug/L				
HW53	Phthalate, di-n-octyl	4.76	U ug/L					
HW53-P	Phthalate, di-n-octyl	4.76	U ug/L					
HW53	Phthalate-diethyl	4.76	U ug/L	11,000.00 ug/L				
HW53-P	Phthalate-diethyl	4.76	U ug/L	11,000.00 ug/L				
HW53	Propylamine,n-nitroso di-n-	4.76	U ug/L	0.93 ug/L				
HW53-P	Propylamine,n-nitroso di-n-	4.76	U ug/L	0.93 ug/L				
HW53	Pyrene	0.07	J ug/L	87.00 ug/L				
HW53-P	Pyrene	4.76	U ug/L	87.00 ug/L				
HW53	Pyrene-indeno(1,2,3-cd)	4.76	U ug/L	3.00 ug/L				
HW53-P	Pyrene-indeno(1,2,3-cd)	4.76	U ug/L	3.00 ug/L				
HW53	Tetrachlorobenzene, 1,2,4,5-	4.76	U ug/L	1.20 ug/L				
HW53-P	Tetrachlorobenzene, 1,2,4,5-	4.76	U ug/L	1.20 ug/L				
HW53	Tetrachlorophenol, 2,3,4,6-	4.76	U ug/L	170.00 ug/L				
HW53-P	Tetrachlorophenol, 2,3,4,6-	4.76	U ug/L	170.00 ug/L				
HW53	Trichlorophenol-2,4,5	4.76	U ug/L	890.00 ug/L				
HW53-P	Trichlorophenol-2,4,5	4.76	U ug/L	890.00 ug/L				
HW53	Trichlorophenol-2,4,6	4.76	U ug/L	9.04 ug/L				
HW53-P	Trichlorophenol-2,4,6	4.76	U ug/L	9.04 ug/L				
HW53	TPH - Diesel Range Organics	250.00	U ug/L					
HW53-P	TPH - Diesel Range Organics	240.00	U ug/L					
HW53	TPH - Gasoline Range Organics	50.00	U ug/L					
HW53-P	TPH - Gasoline Range Organics	50.00	U ug/L					
HW53	TPH - Oil Range Organics	1,000.00	U ug/L					
HW53-P	TPH - Oil Range Organics	950.00	U ug/L					
HW53	1,2-Dibromo-3-chloropropane (DBCP)	2.00	U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW53-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
HW53	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				
HW53-P	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				
HW53	Acetone	2.00 U ug/L					
HW53-P	Acetone	2.00 U ug/L					
HW53	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW53-P	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW53	Bromobenzene	0.50 U ug/L					
HW53-P	Bromobenzene	0.50 U ug/L					
HW53	Bromoform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW53-P	Bromoform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW53	Butylbenzene	0.50 U ug/L					
HW53-P	Butylbenzene	0.50 U ug/L					
HW53	Butylbenzene, sec-	0.50 U ug/L					
HW53-P	Butylbenzene, sec-	0.50 U ug/L					
HW53	Butylbenzene, tert-	0.50 U ug/L					
HW53-P	Butylbenzene, tert-	0.50 U ug/L					
HW53	Carbon disulfide	0.50 U ug/L					
HW53-P	Carbon disulfide	0.50 U ug/L					
HW53	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW53-P	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW53	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW53-P	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW53	Chlorobromomethane	0.50 U ug/L					
HW53-P	Chlorobromomethane	0.50 U ug/L					
HW53	Chloroethane	0.50 U ug/L					
HW53-P	Chloroethane	0.50 U ug/L					
HW53	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW53-P	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW53	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
HW53-P	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW53	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW53-P	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW53	Cyclohexane	0.50 U ug/L					
HW53-P	Cyclohexane	0.50 U ug/L					
HW53	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW53-P	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW53	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW53-P	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW53	Dibromomethane	0.50 U ug/L					
HW53-P	Dibromomethane	0.50 U ug/L					
HW53	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW53-P	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW53	Dichlorobenzene-1,3	0.50 U ug/L					
HW53-P	Dichlorobenzene-1,3	0.50 U ug/L					
HW53	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW53-P	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW53	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW53-P	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW53	Dichlorodifluoromethane	0.50 U ug/L					
HW53-P	Dichlorodifluoromethane	0.50 U ug/L					
HW53	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW53-P	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW53	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW53-P	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW53	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW53-P	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW53	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW53-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
HW53	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW53-P	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW53	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW53-P	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW53	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW53-P	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW53	Dichloropropane, 2,2-	0.50 U ug/L					
HW53-P	Dichloropropane, 2,2-	0.50 U ug/L					
HW53	Dichloropropene, 1,1-	0.50 U ug/L					
HW53-P	Dichloropropene, 1,1-	0.50 U ug/L					
HW53	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW53-P	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW53	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW53-P	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW53	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW53-P	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW53	Freon 113	0.50 U ug/L					
HW53-P	Freon 113	0.50 U ug/L					
HW53	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW53-P	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW53	Isopropylbenzene	0.50 U ug/L					
HW53-P	Isopropylbenzene	0.50 U ug/L					
HW53	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW53-P	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW53	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW53-P	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW53	Methyl acetate	0.50 U ug/L					
HW53-P	Methyl acetate	0.50 U ug/L					
HW53	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
HW53-P	Methyl bromide	0.50 U ug/L					
HW53	Methyl chloride	0.50 U ug/L					
HW53-P	Methyl chloride	0.50 U ug/L					
HW53	Methyl cyclohexane	0.50 U ug/L					
HW53-P	Methyl cyclohexane	0.50 U ug/L					
HW53	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW53-P	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW53	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW53-P	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW53	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW53-P	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW53	Propylbenzene-n	0.50 U ug/L					
HW53-P	Propylbenzene-n	0.50 U ug/L					
HW53	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW53-P	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW53	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW53-P	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW53	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW53-P	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW53	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW53-P	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW53	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW53-P	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW53	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW53-P	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW53	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW53-P	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW53	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW53-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
HW53	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW53-P	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW53	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW53-P	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW53	Trichlorofluoromethane	0.50 U ug/L					
HW53-P	Trichlorofluoromethane	0.50 U ug/L					
HW53	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW53-P	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW53	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW53-P	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW53	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW53-P	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW53	Vinyl acetate	0.50 U ug/L					
HW53-P	Vinyl acetate	0.50 U ug/L					
HW53	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW53-P	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW53	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW53-P	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW53	Nitrogen, Nitrite + Nitrate	1.40 mg/L		10.00 mg/L		10.00 mg/L	
HW53-P	Nitrogen, Nitrite + Nitrate	1.39 mg/L		10.00 mg/L		10.00 mg/L	
HW53	Total Nitrogen	1.33 mg/L					
HW53-P	Total Nitrogen	1.34 mg/L					
HW53	Total Phosphorus as P	0.05 U mg/L					
HW53-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