

# HW-49

## EPA Validated Data Summary Report

### Dimock Residential Sampling

Sample Date: 2/9/2012

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW49	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW49-P	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW49	1-Propanol	10,000.00 U ug/L					
HW49-P	1-Propanol	10,000.00 U ug/L					
HW49	2-Butanol	10,000.00 U ug/L					
HW49-P	2-Butanol	10,000.00 U ug/L					
HW49	Ethanol	10,000.00 U ug/L					
HW49-P	Ethanol	10,000.00 U ug/L					
HW49	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW49-P	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW49	Anionic Surfactants	0.01 U mg/L					
HW49-P	Anionic Surfactants	0.01 U mg/L					
HW49	Heterotrophic Plate Count	R cfu/1mL					
HW49-P	Heterotrophic Plate Count	R cfu/1mL					
HW49	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW49-P	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW49	Ethane	1.20 U ug/L					
HW49-P	Ethane	1.20 U ug/L					
HW49	Ethene	1.10 U ug/L					
HW49-P	Ethene	1.10 U ug/L					
HW49	Methane	1.20 U ug/L	28,000.00 ug/L				
HW49-P	Methane	1.20 U ug/L	28,000.00 ug/L				
HW49	2-Butoxyethanol	5.00 U ug/L					
HW49-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
HW49	2-Methoxyethanol	10.00	U ug/L	78.00 ug/L				
HW49	2-Methoxyethanol		R ug/L	78.00 ug/L				
HW49-P	2-Methoxyethanol	10.00	U ug/L	78.00 ug/L				
HW49-P	2-Methoxyethanol		R ug/L	78.00 ug/L				
HW49	Diethylene Glycol	25.00	U ug/L	8,000.00 ug/L				
HW49-P	Diethylene Glycol	25.00	U ug/L	8,000.00 ug/L				
HW49	Ethylene Glycol	10.00	U mg/L	31,000.00 ug/L				
HW49-P	Ethylene Glycol	10.00	U mg/L	31,000.00 ug/L				
HW49	Tetraethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW49-P	Tetraethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW49	Triethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW49-P	Triethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW49	Bromide	0.50	U mg/L					
HW49-P	Bromide	0.50	U mg/L					
HW49	Chloride	6.25	mg/L			250.00 mg/L		250.00 mg/L
HW49-P	Chloride	6.30	mg/L			250.00 mg/L		250.00 mg/L
HW49	Fluoride	0.10	U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW49-P	Fluoride	0.10	U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW49	Sulfate	12.50	mg/L			250.00 mg/L		250.00 mg/L
HW49-P	Sulfate	12.50	mg/L			250.00 mg/L		250.00 mg/L
HW49	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW49-F	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW49-P	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW49-PF	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW49	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW49-F	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW49-P	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW49-PF	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW49	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
HW49-F	Antimony	2.00	U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW49-P	Antimony	2.00	U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW49-PF	Antimony	2.00	U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW49	Arsenic	2.90	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW49-F	Arsenic	2.70	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW49-P	Arsenic	2.60	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW49-PF	Arsenic	1.60	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW49	Barium	89.20	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW49-F	Barium	92.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW49-P	Barium	89.90	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW49-PF	Barium	88.20	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW49	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW49-F	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW49-P	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW49-PF	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW49	Boron	50.00	U ug/L	3,100.00 ug/L				
HW49-F	Boron	50.00	U ug/L	3,100.00 ug/L				
HW49-P	Boron	50.00	U ug/L	3,100.00 ug/L				
HW49-PF	Boron	50.00	U ug/L	3,100.00 ug/L				
HW49	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW49-F	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW49-P	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW49-PF	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW49	Calcium	41,100.00	ug/L					
HW49-F	Calcium	42,800.00	ug/L					
HW49-P	Calcium	41,700.00	ug/L					
HW49-PF	Calcium	40,200.00	ug/L					
HW49	Chromium	2.00	U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW49-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
HW49-P	Chromium	2.00	U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW49-PF	Chromium	2.00	U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW49	Cobalt	1.00	U ug/L	4.70 ug/L				
HW49-F	Cobalt	1.00	U ug/L	4.70 ug/L				
HW49-P	Cobalt	1.00	U ug/L	4.70 ug/L				
HW49-PF	Cobalt	1.00	U ug/L	4.70 ug/L				
HW49	Copper	5.30	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW49-F	Copper	3.50	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW49-P	Copper	75.70	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW49-PF	Copper	67.70	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW49	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW49-F	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW49-P	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW49-PF	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW49	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW49-F	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW49-P	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW49-PF	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW49	Lithium	200.00	U ug/L	31.00 ug/L				
HW49-F	Lithium	200.00	U ug/L	31.00 ug/L				
HW49-P	Lithium	200.00	U ug/L	31.00 ug/L				
HW49-PF	Lithium	200.00	U ug/L	31.00 ug/L				
HW49	Magnesium	5,770.00	ug/L					
HW49-F	Magnesium	6,010.00	ug/L					
HW49-P	Magnesium	5,860.00	ug/L					
HW49-PF	Magnesium	5,670.00	ug/L					
HW49	Manganese	36.30	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW49-F	Manganese	2.30	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW49-P	Manganese	2.50	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
HW49-PF	Manganese	2.00	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW49	Nickel	1.70	ug/L	300.00 ug/L				
HW49-F	Nickel	1.90	ug/L	300.00 ug/L				
HW49-P	Nickel	1.80	ug/L	300.00 ug/L				
HW49-PF	Nickel	1.80	ug/L	300.00 ug/L				
HW49	Potassium	2,000.00	U ug/L					
HW49-F	Potassium	2,000.00	U ug/L					
HW49-P	Potassium	2,000.00	U ug/L					
HW49-PF	Potassium	2,000.00	U ug/L					
HW49	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW49-F	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW49-P	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW49-PF	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW49	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW49-F	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW49-P	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW49-PF	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW49	Sodium	12,600.00	ug/L	20,000.00 ug/L				
HW49-F	Sodium	12,900.00	ug/L	20,000.00 ug/L				
HW49-P	Sodium	12,800.00	ug/L	20,000.00 ug/L				
HW49-PF	Sodium	12,000.00	ug/L	20,000.00 ug/L				
HW49	Strontium	291.00	ug/L	9,300.00 ug/L				
HW49-F	Strontium	299.00	ug/L	9,300.00 ug/L				
HW49-P	Strontium	292.00	ug/L	9,300.00 ug/L				
HW49-PF	Strontium	275.00	ug/L	9,300.00 ug/L				
HW49	Thallium	1.00	U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW49-F	Thallium	1.00	U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW49-P	Thallium	1.00	U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW49-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
HW49	Tin	200.00	U ug/L	9,300.00 ug/L				
HW49-F	Tin	200.00	U ug/L	9,300.00 ug/L				
HW49-P	Tin	200.00	U ug/L	9,300.00 ug/L				
HW49-PF	Tin	200.00	U ug/L	9,300.00 ug/L				
HW49	Titanium	200.00	U ug/L					
HW49-F	Titanium	200.00	U ug/L					
HW49-P	Titanium	200.00	U ug/L					
HW49-PF	Titanium	200.00	U ug/L					
HW49	Uranium	2.20	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW49-F	Uranium	2.30	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW49-P	Uranium	2.20	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW49-PF	Uranium	2.10	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW49	Vanadium	5.00	U ug/L	78.00 ug/L				
HW49-F	Vanadium	5.00	U ug/L	78.00 ug/L				
HW49-P	Vanadium	5.00	U ug/L	78.00 ug/L				
HW49-PF	Vanadium	5.00	U ug/L	78.00 ug/L				
HW49	Zinc	2.30	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW49-F	Zinc	2.00	U ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW49-P	Zinc	4.90	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW49-PF	Zinc	2.70	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW49	Oil and Grease	5.40	UJ mg/L					
HW49-P	Oil and Grease	5.20	UJ mg/L					
HW49	Total Dissolved Solids	155.00	mg/L			500.00 mg/L		500.00 mg/L
HW49-P	Total Dissolved Solids	159.00	mg/L			500.00 mg/L		500.00 mg/L
HW49	Total Suspended Solids	10.00	U mg/L					
HW49-P	Total Suspended Solids	10.00	U mg/L					
HW49	1-Methylnaphthalene	4.76	U ug/L	97.00 ug/L				
HW49-P	1-Methylnaphthalene	5.00	U ug/L	97.00 ug/L				
HW49	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
HW49-P	Acenaphthene	5.00	U ug/L	400.00 ug/L				
HW49	Acenaphthylene	4.76	U ug/L					
HW49-P	Acenaphthylene	5.00	U ug/L					
HW49	Acetophenone	4.76	U ug/L	1,500.00 ug/L				
HW49-P	Acetophenone	5.00	U ug/L	1,500.00 ug/L				
HW49	Anthracene	4.76	U ug/L	1,300.00 ug/L				
HW49-P	Anthracene	0.05	J ug/L	1,300.00 ug/L				
HW49	Atrazine	4.76	U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW49-P	Atrazine	60.00	U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW49	Benzo(a)anthracene	4.76	U ug/L	2.90 ug/L				
HW49-P	Benzo(a)anthracene	5.00	U ug/L	2.90 ug/L				
HW49	Benzo(a)pyrene	4.76	U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW49-P	Benzo(a)pyrene	5.00	U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW49	Biphenyl	4.76	U ug/L					
HW49-P	Biphenyl	5.00	U ug/L					
HW49	Bromophenyl-4 Phenyl Ether	4.76	U ug/L					
HW49-P	Bromophenyl-4 Phenyl Ether	5.00	U ug/L					
HW49	Butylbenzyl phthalate	4.76	U ug/L	1,400.00 ug/L				
HW49-P	Butylbenzyl phthalate	0.06	J ug/L	1,400.00 ug/L				
HW49	Caprolactam	4.76	U ug/L	7,700.00 ug/L				
HW49-P	Caprolactam	5.00	U ug/L	7,700.00 ug/L				
HW49	Carbazole	4.76	U ug/L					
HW49-P	Carbazole	0.06	J ug/L					
HW49	Chlorobenzenamine-4	4.76	UJ ug/L	3.20 ug/L				
HW49-P	Chlorobenzenamine-4		R ug/L	3.20 ug/L				
HW49	Chloronaphthalene-2	4.76	U ug/L	550.00 ug/L				
HW49-P	Chloronaphthalene-2	5.00	U ug/L	550.00 ug/L				
HW49	Chlorophenol-2	4.76	U ug/L	71.00 ug/L				
HW49-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
HW49	Chlorophenyl-4 phenyl ether	4.76 U ug/L					
HW49-P	Chlorophenyl-4 phenyl ether	5.00 U ug/L					
HW49	Chrysene	4.76 U ug/L	290.00 ug/L				
HW49-P	Chrysene	5.00 U ug/L	290.00 ug/L				
HW49	Cresol, parachloro meta-	4.76 U ug/L					
HW49-P	Cresol, parachloro meta-	5.00 U ug/L					
HW49	Cresol-4,6-dinitro-ortho	9.52 UJ ug/L					
HW49-P	Cresol-4,6-dinitro-ortho	10.00 UJ ug/L					
HW49	Cresol-o	4.76 U ug/L	720.00 ug/L				
HW49-P	Cresol-o	5.00 U ug/L	720.00 ug/L				
HW49	Cresol-p	4.76 U ug/L	72.00 ug/L				
HW49-P	Cresol-p	5.00 U ug/L	72.00 ug/L				
HW49	Dibenz(a,h)anthracene	4.76 U ug/L	0.29 ug/L				
HW49-P	Dibenz(a,h)anthracene	5.00 U ug/L	0.29 ug/L				
HW49	Dibenzofuran	4.76 U ug/L					
HW49-P	Dibenzofuran	5.00 U ug/L					
HW49	Dichlorobenzidine-3,3'	R ug/L	11.00 ug/L				
HW49-P	Dichlorobenzidine-3,3'	R ug/L	11.00 ug/L				
HW49	Dichlorophenol-2,4	4.76 U ug/L	35.00 ug/L				
HW49-P	Dichlorophenol-2,4	5.00 U ug/L	35.00 ug/L				
HW49	Dimethylphenol, 2,4-	4.76 U ug/L	270.00 ug/L				
HW49-P	Dimethylphenol, 2,4-	5.00 U ug/L	270.00 ug/L				
HW49	Dinitrophenol-2,4	R ug/L	30.00 ug/L				
HW49-P	Dinitrophenol-2,4	5.00 U ug/L	30.00 ug/L				
HW49	Dinitrotoluene-2,4	4.76 U ug/L					
HW49-P	Dinitrotoluene-2,4	5.00 U ug/L					
HW49	Dinitrotoluene-2,6	4.76 U ug/L					
HW49-P	Dinitrotoluene-2,6	5.00 U ug/L					
HW49	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
HW49-P	Ether, bis(2-chloroethyl)	5.00	U ug/L	1.20 ug/L				
HW49	Ether-bis(2-chloroisopropyl)	4.76	U ug/L					
HW49-P	Ether-bis(2-chloroisopropyl)	5.00	U ug/L					
HW49	Fluoranthene	4.76	U ug/L	630.00 ug/L				
HW49-P	Fluoranthene	0.06	J ug/L	630.00 ug/L				
HW49	Fluoranthene benzo(k)	4.76	U ug/L	29.00 ug/L				
HW49-P	Fluoranthene benzo(k)	5.00	U ug/L	29.00 ug/L				
HW49	Fluoranthene-benzo(b)	4.76	U ug/L	5.60 ug/L				
HW49-P	Fluoranthene-benzo(b)	5.00	U ug/L	5.60 ug/L				
HW49	Fluorene	4.76	U ug/L	220.00 ug/L				
HW49-P	Fluorene	5.00	U ug/L	220.00 ug/L				
HW49	Hexachlorobenzene	4.76	U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW49-P	Hexachlorobenzene	5.00	U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW49	Hexachlorobutadiene	4.76	U ug/L	26.00 ug/L				
HW49	Hexachlorobutadiene	0.50	U ug/L	26.00 ug/L				
HW49-P	Hexachlorobutadiene	0.50	U ug/L	26.00 ug/L				
HW49-P	Hexachlorobutadiene	5.00	U ug/L	26.00 ug/L				
HW49	Hexachlorocyclopentadiene	4.76	U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW49-P	Hexachlorocyclopentadiene	5.00	U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW49	Hexachloroethane	4.76	U ug/L	5.10 ug/L				
HW49-P	Hexachloroethane	5.00	U ug/L	5.10 ug/L				
HW49	Isophorone	4.76	U ug/L	6,700.00 ug/L				
HW49-P	Isophorone	5.00	U ug/L	6,700.00 ug/L				
HW49	Methane, bis(2-chloroethoxy)	4.76	U ug/L	47.00 ug/L				
HW49-P	Methane, bis(2-chloroethoxy)	5.00	U ug/L	47.00 ug/L				
HW49	Methylnaphthalene-2	4.76	U ug/L	27.00 ug/L				
HW49-P	Methylnaphthalene-2	5.00	U ug/L	27.00 ug/L				
HW49	Naphthalene	0.50	U ug/L	14.00 ug/L				
HW49	Naphthalene	4.76	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
HW49-P	Naphthalene	0.50	U ug/L	14.00 ug/L				
HW49-P	Naphthalene	5.00	U ug/L	14.00 ug/L				
HW49	Nitroaniline, ortho	4.76	U ug/L	150.00 ug/L				
HW49-P	Nitroaniline, ortho	5.00	U ug/L	150.00 ug/L				
HW49	Nitroaniline-3	4.76	U ug/L					
HW49-P	Nitroaniline-3		R ug/L					
HW49	Nitrobenzenamine-4	4.76	U ug/L	61.00 ug/L				
HW49-P	Nitrobenzenamine-4	5.00	U ug/L	61.00 ug/L				
HW49	Nitrobenzene	4.76	U ug/L	12.00 ug/L				
HW49-P	Nitrobenzene	5.00	U ug/L	12.00 ug/L				
HW49	Nitrophenol-2	4.76	U ug/L					
HW49-P	Nitrophenol-2	5.00	U ug/L					
HW49	Nitrophenol-4	9.52	U ug/L					
HW49-P	Nitrophenol-4	10.00	U ug/L					
HW49	Nitrosodimethylamine-n	4.76	U ug/L	0.04 ug/L				
HW49-P	Nitrosodimethylamine-n	5.00	U ug/L	0.04 ug/L				
HW49	Nitrosodiphenylamine-n	4.76	U ug/L	1,000.00 ug/L				
HW49-P	Nitrosodiphenylamine-n	5.00	U ug/L	1,000.00 ug/L				
HW49	Pentachlorophenol	4.76	U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW49-P	Pentachlorophenol	5.00	U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW49	Perylene-benzo(ghi)	4.76	U ug/L					
HW49-P	Perylene-benzo(ghi)	5.00	U ug/L					
HW49	Phenanthrene	4.76	U ug/L					
HW49-P	Phenanthrene	5.00	U ug/L					
HW49	Phenol	4.76	U ug/L	4,500.00 ug/L				
HW49-P	Phenol	5.00	U ug/L	4,500.00 ug/L				
HW49	Phthalate, bis(2-ethylhexyl) (DEHP)	4.76	U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW49-P	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW49	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
HW49-P	Phthalate, Dimethyl	5.00	U ug/L	1,400.00 ug/L				
HW49	Phthalate, di-n-butyl-	4.76	U ug/L	670.00 ug/L				
HW49-P	Phthalate, di-n-butyl-	5.00	U ug/L	670.00 ug/L				
HW49	Phthalate, di-n-octyl	4.76	U ug/L					
HW49-P	Phthalate, di-n-octyl	5.00	U ug/L					
HW49	Phthalate-diethyl	4.76	U ug/L	11,000.00 ug/L				
HW49-P	Phthalate-diethyl	5.00	U ug/L	11,000.00 ug/L				
HW49	Propylamine,n-nitroso di-n-	4.76	U ug/L	0.93 ug/L				
HW49-P	Propylamine,n-nitroso di-n-	5.00	U ug/L	0.93 ug/L				
HW49	Pyrene	4.76	U ug/L	87.00 ug/L				
HW49-P	Pyrene	0.07	J ug/L	87.00 ug/L				
HW49	Pyrene-indeno(1,2,3-cd)	4.76	U ug/L	3.00 ug/L				
HW49-P	Pyrene-indeno(1,2,3-cd)	5.00	U ug/L	3.00 ug/L				
HW49	Tetrachlorobenzene, 1,2,4,5-	4.76	U ug/L	1.20 ug/L				
HW49-P	Tetrachlorobenzene, 1,2,4,5-	5.00	U ug/L	1.20 ug/L				
HW49	Tetrachlorophenol, 2,3,4,6-	4.76	U ug/L	170.00 ug/L				
HW49-P	Tetrachlorophenol, 2,3,4,6-	5.00	U ug/L	170.00 ug/L				
HW49	Trichlorophenol-2,4,5	4.76	U ug/L	890.00 ug/L				
HW49-P	Trichlorophenol-2,4,5	5.00	U ug/L	890.00 ug/L				
HW49	Trichlorophenol-2,4,6	4.76	U ug/L	9.04 ug/L				
HW49-P	Trichlorophenol-2,4,6	5.00	U ug/L	9.04 ug/L				
HW49	TPH - Diesel Range Organics	240.00	U ug/L					
HW49-P	TPH - Diesel Range Organics	240.00	U ug/L					
HW49	TPH - Gasoline Range Organics	50.00	U ug/L					
HW49-P	TPH - Gasoline Range Organics	50.00	U ug/L					
HW49	TPH - Oil Range Organics	950.00	U ug/L					
HW49-P	TPH - Oil Range Organics	950.00	U ug/L					
HW49	1,2-Dibromo-3-chloropropane (DBCP)	0.50	U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW49-P	1,2-Dibromo-3-chloropropane (DBCP)	0.50	U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW49	4-Methyl-2-pentanone	2.00	U ug/L	1,000.00 ug/L				
HW49-P	4-Methyl-2-pentanone	2.00	U ug/L	1,000.00 ug/L				
HW49	Acetone	2.00	U ug/L					
HW49-P	Acetone	0.80	J ug/L					
HW49	Benzene	0.50	U ug/L		5.00 ug/L		5.00 ug/L	
HW49-P	Benzene	0.50	U ug/L		5.00 ug/L		5.00 ug/L	
HW49	Bromobenzene	0.50	U ug/L					
HW49-P	Bromobenzene	0.50	U ug/L					
HW49	Bromoform	0.50	U ug/L		80.00 ug/L		80.00 ug/L	
HW49-P	Bromoform	0.50	U ug/L		80.00 ug/L		80.00 ug/L	
HW49	Butylbenzene	0.50	U ug/L					
HW49-P	Butylbenzene	0.50	U ug/L					
HW49	Butylbenzene, sec-	0.50	U ug/L					
HW49-P	Butylbenzene, sec-	0.50	U ug/L					
HW49	Butylbenzene, tert-	0.50	U ug/L					
HW49-P	Butylbenzene, tert-	0.50	U ug/L					
HW49	Carbon disulfide	0.50	U ug/L					
HW49-P	Carbon disulfide	0.50	U ug/L					
HW49	Carbon Tetrachloride	0.50	U ug/L		5.00 ug/L		5.00 ug/L	
HW49-P	Carbon Tetrachloride	0.50	U ug/L		5.00 ug/L		5.00 ug/L	
HW49	Chlorobenzene	0.50	U ug/L		100.00 ug/L			
HW49-P	Chlorobenzene	0.50	U ug/L		100.00 ug/L			
HW49	Chlorobromomethane	0.50	U ug/L					
HW49-P	Chlorobromomethane	0.50	U ug/L					
HW49	Chloroethane	0.50	U ug/L					
HW49-P	Chloroethane	0.50	U ug/L					
HW49	Chloroform	0.50	U ug/L		80.00 ug/L		80.00 ug/L	
HW49-P	Chloroform	0.50	U ug/L		80.00 ug/L		80.00 ug/L	
HW49	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
HW49-P	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW49	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW49-P	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW49	Cyclohexane	0.50 U ug/L					
HW49-P	Cyclohexane	0.50 U ug/L					
HW49	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW49-P	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW49	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW49-P	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW49	Dibromomethane	0.50 U ug/L					
HW49-P	Dibromomethane	0.50 U ug/L					
HW49	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW49-P	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW49	Dichlorobenzene-1,3	0.50 U ug/L					
HW49-P	Dichlorobenzene-1,3	0.50 U ug/L					
HW49	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW49-P	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW49	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW49-P	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW49	Dichlorodifluoromethane	0.50 U ug/L					
HW49-P	Dichlorodifluoromethane	0.50 U ug/L					
HW49	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW49-P	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW49	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW49-P	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW49	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW49-P	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW49	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW49-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
HW49	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW49-P	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW49	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW49-P	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW49	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW49-P	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW49	Dichloropropane, 2,2-	0.50 U ug/L					
HW49-P	Dichloropropane, 2,2-	0.50 U ug/L					
HW49	Dichloropropene, 1,1-	0.50 U ug/L					
HW49-P	Dichloropropene, 1,1-	0.50 U ug/L					
HW49	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW49-P	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW49	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW49-P	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW49	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW49-P	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW49	Freon 113	0.50 U ug/L					
HW49-P	Freon 113	0.50 U ug/L					
HW49	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW49-P	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW49	Isopropylbenzene	0.50 U ug/L					
HW49-P	Isopropylbenzene	0.50 U ug/L					
HW49	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW49-P	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW49	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW49-P	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW49	Methyl acetate	0.50 U ug/L					
HW49-P	Methyl acetate	0.50 U ug/L					
HW49	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
HW49-P	Methyl bromide	0.50 U ug/L					
HW49	Methyl chloride	0.50 U ug/L					
HW49-P	Methyl chloride	0.50 U ug/L					
HW49	Methyl cyclohexane	0.50 U ug/L					
HW49-P	Methyl cyclohexane	0.50 U ug/L					
HW49	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW49-P	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW49	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW49-P	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW49	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW49-P	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW49	Propylbenzene-n	0.50 U ug/L					
HW49-P	Propylbenzene-n	0.50 U ug/L					
HW49	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW49-P	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW49	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW49-P	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW49	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW49-P	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW49	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW49-P	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW49	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW49-P	Toluene	0.07 J ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW49	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW49-P	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW49	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW49-P	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW49	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW49-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
HW49	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW49-P	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW49	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW49-P	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW49	Trichlorofluoromethane	0.50 U ug/L					
HW49-P	Trichlorofluoromethane	0.50 U ug/L					
HW49	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW49-P	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW49	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW49-P	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW49	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW49-P	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW49	Vinyl acetate	0.50 U ug/L					
HW49-P	Vinyl acetate	0.50 U ug/L					
HW49	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW49-P	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW49	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW49-P	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW49	Nitrogen, Nitrite + Nitrate	0.32 mg/L		10.00 mg/L		10.00 mg/L	
HW49-P	Nitrogen, Nitrite + Nitrate	0.32 mg/L		10.00 mg/L		10.00 mg/L	
HW49	Total Nitrogen	2.25 mg/L					
HW49-P	Total Nitrogen	1.00 U mg/L					
HW49	Total Phosphorus as P	0.05 U mg/L					
HW49-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