

**HW-41**  
**EPA Validated Data Summary Report**  
**Dimock Residential Sampling**  
**Sample Date: 2/2/2012**

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW41	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW41-P	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW41	1-Propanol	10,000.00 U ug/L					
HW41-P	1-Propanol	10,000.00 U ug/L					
HW41	2-Butanol	10,000.00 U ug/L					
HW41-P	2-Butanol	10,000.00 U ug/L					
HW41	Ethanol	10,000.00 U ug/L					
HW41-P	Ethanol	10,000.00 U ug/L					
HW41	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW41-P	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW41	Anionic Surfactants	0.01 U mg/L					
HW41-P	Anionic Surfactants	0.01 U mg/L					
HW41	Heterotrophic Plate Count	R cfu/1mL					
HW41-P	Heterotrophic Plate Count	R cfu/1mL					
HW41	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW41-P	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW41	Ethane	1.20 U ug/L					
HW41-P	Ethane	1.20 U ug/L					
HW41	Ethene	1.10 U ug/L					
HW41-P	Ethene	1.10 U ug/L					
HW41	Methane	4.00 J ug/L	28,000.00 ug/L				
HW41-P	Methane	3.80 J ug/L	28,000.00 ug/L				
HW41	2-Butoxyethanol	5.00 U ug/L					
HW41-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
HW41	2-Methoxyethanol	60.00 U ug/L	78.00 ug/L				
HW41	2-Methoxyethanol	10.00 U ug/L	78.00 ug/L				
HW41-P	2-Methoxyethanol	57.10 U ug/L	78.00 ug/L				
HW41-P	2-Methoxyethanol	10.00 U ug/L	78.00 ug/L				
HW41	Diethylene Glycol	50.00 U ug/L	8,000.00 ug/L				
HW41	Diethylene glycol	R ug/L	8,000.00 ug/L				
HW41-P	Diethylene glycol	10,000.00 U ug/L	8,000.00 ug/L				
HW41-P	Diethylene Glycol	50.00 U ug/L	8,000.00 ug/L				
HW41	Ethanol, 2-ethoxy-	10,000.00 U ug/L					
HW41-P	Ethanol, 2-ethoxy-	10,000.00 U ug/L					
HW41	Ethanol, 2-methoxy-	10,000.00 U ug/L	78.00 ug/L				
HW41-P	Ethanol, 2-methoxy-	10,000.00 U ug/L	78.00 ug/L				
HW41	Ethylene glycol	10,000.00 U ug/L	31,000.00 ug/L				
HW41	Ethylene glycol	10,000.00 U ug/L	31,000.00 ug/L				
HW41-P	Ethylene glycol	10,000.00 U ug/L	31,000.00 ug/L				
HW41-P	Ethylene glycol	10,000.00 U ug/L	31,000.00 ug/L				
HW41	Tetraethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW41-P	Tetraethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW41	Triethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW41	Triethylene glycol	10,000.00 U ug/L	8,000.00 ug/L				
HW41-P	Triethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW41-P	Triethylene glycol	10,000.00 U ug/L	8,000.00 ug/L				
HW41	Bromide	0.50 U mg/L					
HW41-P	Bromide	0.50 U mg/L					
HW41	Chloride	0.91 mg/L			250.00 mg/L		250.00 mg/L
HW41-P	Chloride	0.93 mg/L			250.00 mg/L		250.00 mg/L
HW41	Fluoride	0.10 U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW41-P	Fluoride	0.10 U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW41	Sulfate	6.96 mg/L			250.00 mg/L		250.00 mg/L

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW41-P	Sulfate	7.03 mg/L			250.00 mg/L		250.00 mg/L
HW41	Mercury	0.20 U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW41-F	Mercury	0.20 U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW41-P	Mercury	0.20 U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW41-PF	Mercury	0.20 U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW41	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW41-F	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW41-P	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW41-PF	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW41	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW41-F	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW41-P	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW41-PF	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW41	Arsenic	1.00 U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW41-F	Arsenic	1.00 U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW41-P	Arsenic	1.00 U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW41-PF	Arsenic	1.00 U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW41	Barium	139.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW41-F	Barium	148.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW41-P	Barium	148.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW41-PF	Barium	140.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW41	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW41-F	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW41-P	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW41-PF	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW41	Boron	50.00 U ug/L	3,100.00 ug/L				
HW41-F	Boron	50.00 U ug/L	3,100.00 ug/L				
HW41-P	Boron	50.00 U ug/L	3,100.00 ug/L				
HW41-PF	Boron	50.00 U ug/L	3,100.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW41	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW41-F	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW41-P	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW41-PF	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW41	Calcium	44,500.00 ug/L					
HW41-F	Calcium	45,700.00 ug/L					
HW41-P	Calcium	44,600.00 ug/L					
HW41-PF	Calcium	45,500.00 ug/L					
HW41	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW41-F	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW41-P	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW41-PF	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW41	Cobalt	1.00 U ug/L	4.70 ug/L				
HW41-F	Cobalt	1.00 U ug/L	4.70 ug/L				
HW41-P	Cobalt	1.00 U ug/L	4.70 ug/L				
HW41-PF	Cobalt	1.00 U ug/L	4.70 ug/L				
HW41	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***	
HW41-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***	
HW41-P	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***	
HW41-PF	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***	
HW41	Iron	100.00 U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW41-F	Iron	100.00 U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW41-P	Iron	100.00 U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW41-PF	Iron	100.00 U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW41	Lead	1.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW41-F	Lead	1.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW41-P	Lead	1.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW41-PF	Lead	1.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW41	Lithium	200.00 U ug/L	31.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW41-F	Lithium	200.00 U ug/L	31.00 ug/L				
HW41-P	Lithium	200.00 U ug/L	31.00 ug/L				
HW41-PF	Lithium	200.00 U ug/L	31.00 ug/L				
HW41	Magnesium	9,480.00 ug/L					
HW41-F	Magnesium	9,640.00 ug/L					
HW41-P	Magnesium	9,380.00 ug/L					
HW41-PF	Magnesium	9,620.00 ug/L					
HW41	Manganese	21.00 ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW41-F	Manganese	22.00 ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW41-P	Manganese	24.40 ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW41-PF	Manganese	21.80 ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW41	Nickel	1.40 ug/L	300.00 ug/L				
HW41-F	Nickel	1.70 ug/L	300.00 ug/L				
HW41-P	Nickel	1.80 ug/L	300.00 ug/L				
HW41-PF	Nickel	1.50 ug/L	300.00 ug/L				
HW41	Potassium	2,000.00 U ug/L					
HW41-F	Potassium	2,000.00 U ug/L					
HW41-P	Potassium	2,000.00 U ug/L					
HW41-PF	Potassium	2,000.00 U ug/L					
HW41	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW41-F	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW41-P	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW41-PF	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW41	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW41-F	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW41-P	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW41-PF	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW41	Sodium	<b>23,100.00</b> ug/L	20,000.00 ug/L				
HW41-F	Sodium	<b>23,600.00</b> ug/L	20,000.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW41-P	Sodium	<b>23,400.00</b> ug/L	20,000.00 ug/L				
HW41-PF	Sodium	<b>23,600.00</b> ug/L	20,000.00 ug/L				
HW41	Strontium	319.00 ug/L	9,300.00 ug/L				
HW41-F	Strontium	325.00 ug/L	9,300.00 ug/L				
HW41-P	Strontium	314.00 ug/L	9,300.00 ug/L				
HW41-PF	Strontium	317.00 ug/L	9,300.00 ug/L				
HW41	Thallium	1.00 U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW41-F	Thallium	1.00 U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW41-P	Thallium	1.00 U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW41-PF	Thallium	1.00 U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW41	Tin	200.00 U ug/L	9,300.00 ug/L				
HW41-F	Tin	200.00 U ug/L	9,300.00 ug/L				
HW41-P	Tin	200.00 U ug/L	9,300.00 ug/L				
HW41-PF	Tin	200.00 U ug/L	9,300.00 ug/L				
HW41	Titanium	200.00 U ug/L					
HW41-F	Titanium	200.00 U ug/L					
HW41-P	Titanium	200.00 U ug/L					
HW41-PF	Titanium	200.00 U ug/L					
HW41	Uranium	3.20 ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW41-F	Uranium	3.50 ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW41-P	Uranium	3.50 ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW41-PF	Uranium	3.30 ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW41	Vanadium	5.00 U ug/L	78.00 ug/L				
HW41-F	Vanadium	5.00 U ug/L	78.00 ug/L				
HW41-P	Vanadium	5.00 U ug/L	78.00 ug/L				
HW41-PF	Vanadium	5.00 U ug/L	78.00 ug/L				
HW41	Zinc	2.10 ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW41-F	Zinc	2.40 ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW41-P	Zinc	3.20 ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW41-PF	Zinc	2.90 ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW41	Oil and Grease	5.00 U mg/L					
HW41-P	Oil and Grease	5.00 U mg/L					
HW41	Total Dissolved Solids	194.00 mg/L			500.00 mg/L		500.00 mg/L
HW41-P	Total Dissolved Solids	195.00 mg/L			500.00 mg/L		500.00 mg/L
HW41	Total Suspended Solids	10.00 U mg/L					
HW41-P	Total Suspended Solids	10.00 U mg/L					
HW41	1-Methylnaphthalene	5.00 U ug/L	97.00 ug/L				
HW41-P	1-Methylnaphthalene	4.76 U ug/L	97.00 ug/L				
HW41	Acenaphthene	60.00 U ug/L	400.00 ug/L				
HW41-P	Acenaphthene	57.10 U ug/L	400.00 ug/L				
HW41	Acenaphthylene	5.00 U ug/L					
HW41-P	Acenaphthylene	4.76 U ug/L					
HW41	Acetophenone	5.00 U ug/L	1,500.00 ug/L				
HW41-P	Acetophenone	4.76 U ug/L	1,500.00 ug/L				
HW41	Anthracene	5.00 U ug/L	1,300.00 ug/L				
HW41-P	Anthracene	4.76 U ug/L	1,300.00 ug/L				
HW41	Atrazine	5.00 U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW41-P	Atrazine	4.76 U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW41	Benzo(a)anthracene	5.00 U ug/L	2.90 ug/L				
HW41-P	Benzo(a)anthracene	4.76 U ug/L	2.90 ug/L				
HW41	Benzo(a)pyrene	5.00 U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW41-P	Benzo(a)pyrene	4.76 U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW41	Biphenyl	5.00 U ug/L					
HW41-P	Biphenyl	4.76 U ug/L					
HW41	Bromophenyl-4 Phenyl Ether	60.00 U ug/L					
HW41-P	Bromophenyl-4 Phenyl Ether	57.10 U ug/L					
HW41	Butylbenzyl phthalate	5.00 U ug/L	1,400.00 ug/L				
HW41-P	Butylbenzyl phthalate	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
HW41	Caprolactam	5.00 U ug/L	7,700.00 ug/L				
HW41-P	Caprolactam	4.76 U ug/L	7,700.00 ug/L				
HW41	Carbazole	5.00 U ug/L					
HW41-P	Carbazole	4.76 U ug/L					
HW41	Chlorobenzamine-4	5.00 U ug/L	3.20 ug/L				
HW41-P	Chlorobenzamine-4	4.76 U ug/L	3.20 ug/L				
HW41	Chloronaphthalene-2	5.00 U ug/L	550.00 ug/L				
HW41-P	Chloronaphthalene-2	4.76 U ug/L	550.00 ug/L				
HW41	Chlorophenol-2	5.00 U ug/L	71.00 ug/L				
HW41-P	Chlorophenol-2	4.76 U ug/L	71.00 ug/L				
HW41	Chlorophenyl-4 phenyl ether	5.00 U ug/L					
HW41-P	Chlorophenyl-4 phenyl ether	4.76 U ug/L					
HW41	Chrysene	5.00 U ug/L	290.00 ug/L				
HW41-P	Chrysene	4.76 U ug/L	290.00 ug/L				
HW41	Cresol, parachloro meta-	5.00 U ug/L					
HW41-P	Cresol, parachloro meta-	4.76 U ug/L					
HW41	Cresol-4,6-dinitro-ortho	60.00 U ug/L					
HW41-P	Cresol-4,6-dinitro-ortho	57.10 U ug/L					
HW41	Cresol-o	5.00 U ug/L	720.00 ug/L				
HW41-P	Cresol-o	4.76 U ug/L	720.00 ug/L				
HW41	Cresol-p	5.00 U ug/L	72.00 ug/L				
HW41-P	Cresol-p	4.76 U ug/L	72.00 ug/L				
HW41	Dibenz(a,h)anthracene	5.00 U ug/L	0.29 ug/L				
HW41-P	Dibenz(a,h)anthracene	4.76 U ug/L	0.29 ug/L				
HW41	Dibenzofuran	5.00 U ug/L					
HW41-P	Dibenzofuran	4.76 U ug/L					
HW41	Dichlorobenzidine-3,3'	5.00 U ug/L	11.00 ug/L				
HW41-P	Dichlorobenzidine-3,3'	4.76 U ug/L	11.00 ug/L				
HW41	Dichlorophenol-2,4	5.00 U ug/L	35.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW41-P	Dichlorophenol-2,4	4.76 U ug/L	35.00 ug/L				
HW41	Dimethylphenol, 2,4-	5.00 U ug/L	270.00 ug/L				
HW41-P	Dimethylphenol, 2,4-	4.76 U ug/L	270.00 ug/L				
HW41	Dinitrophenol-2,4	60.00 U ug/L	30.00 ug/L				
HW41-P	Dinitrophenol-2,4	57.10 U ug/L	30.00 ug/L				
HW41	Dinitrotoluene-2,4	5.00 U ug/L					
HW41-P	Dinitrotoluene-2,4	4.76 U ug/L					
HW41	Dinitrotoluene-2,6	60.00 U ug/L					
HW41-P	Dinitrotoluene-2,6	57.10 U ug/L					
HW41	Ether, bis(2-chloroethyl)	5.00 U ug/L	1.20 ug/L				
HW41-P	Ether, bis(2-chloroethyl)	4.76 U ug/L	1.20 ug/L				
HW41	Ether-bis(2-chloroisopropyl)	60.00 U ug/L					
HW41-P	Ether-bis(2-chloroisopropyl)	57.10 U ug/L					
HW41	Fluoranthene	5.00 U ug/L	630.00 ug/L				
HW41-P	Fluoranthene	4.76 U ug/L	630.00 ug/L				
HW41	Fluoranthene benzo(k)	5.00 U ug/L	29.00 ug/L				
HW41-P	Fluoranthene benzo(k)	4.76 U ug/L	29.00 ug/L				
HW41	Fluoranthene-benzo(b)	5.00 U ug/L	5.60 ug/L				
HW41-P	Fluoranthene-benzo(b)	4.76 U ug/L	5.60 ug/L				
HW41	Fluorene	60.00 U ug/L	220.00 ug/L				
HW41-P	Fluorene	57.10 U ug/L	220.00 ug/L				
HW41	Hexachlorobenzene	5.00 U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW41-P	Hexachlorobenzene	4.76 U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW41	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW41	Hexachlorobutadiene	5.00 U ug/L	26.00 ug/L				
HW41-P	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW41-P	Hexachlorobutadiene	4.76 U ug/L	26.00 ug/L				
HW41	Hexachlorocyclopentadiene	5.00 U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW41-P	Hexachlorocyclopentadiene	4.76 U ug/L	22.00 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
HW41	Hexachloroethane	5.00 U ug/L	5.10 ug/L				
HW41-P	Hexachloroethane	4.76 U ug/L	5.10 ug/L				
HW41	Isophorone	5.00 U ug/L	6,700.00 ug/L				
HW41-P	Isophorone	4.76 U ug/L	6,700.00 ug/L				
HW41	Methane, bis(2-chloroethoxy)	5.00 U ug/L	47.00 ug/L				
HW41-P	Methane, bis(2-chloroethoxy)	4.76 U ug/L	47.00 ug/L				
HW41	Methylnaphthalene-2	5.00 U ug/L	27.00 ug/L				
HW41-P	Methylnaphthalene-2	4.76 U ug/L	27.00 ug/L				
HW41	Naphthalene	0.50 U ug/L	14.00 ug/L				
HW41	Naphthalene	5.00 U ug/L	14.00 ug/L				
HW41-P	Naphthalene	4.76 U ug/L	14.00 ug/L				
HW41-P	Naphthalene	0.50 U ug/L	14.00 ug/L				
HW41	Nitroaniline, ortho	5.00 U ug/L	150.00 ug/L				
HW41-P	Nitroaniline, ortho	4.76 U ug/L	150.00 ug/L				
HW41	Nitroaniline-3	5.00 U ug/L					
HW41-P	Nitroaniline-3	4.76 U ug/L					
HW41	Nitrobenzenamine-4	5.00 U ug/L	61.00 ug/L				
HW41-P	Nitrobenzenamine-4	4.76 U ug/L	61.00 ug/L				
HW41	Nitrobenzene	5.00 U ug/L	12.00 ug/L				
HW41-P	Nitrobenzene	4.76 U ug/L	12.00 ug/L				
HW41	Nitrophenol-2	5.00 U ug/L					
HW41-P	Nitrophenol-2	4.76 U ug/L					
HW41	Nitrophenol-4	10.00 U ug/L					
HW41-P	Nitrophenol-4	9.52 U ug/L					
HW41	Nitrosodimethylamine-n	5.00 U ug/L	0.04 ug/L				
HW41-P	Nitrosodimethylamine-n	4.76 U ug/L	0.04 ug/L				
HW41	Nitrosodiphenylamine-n	5.00 U ug/L	1,000.00 ug/L				
HW41-P	Nitrosodiphenylamine-n	4.76 U ug/L	1,000.00 ug/L				
HW41	Pentachlorophenol	60.00 U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW41-P	Pentachlorophenol	57.10 U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW41	Perylene-benzo(ghi)	5.00 U ug/L					
HW41-P	Perylene-benzo(ghi)	4.76 U ug/L					
HW41	Phenanthrene	60.00 U ug/L					
HW41-P	Phenanthrene	57.10 U ug/L					
HW41	Phenol	5.00 U ug/L	4,500.00 ug/L				
HW41-P	Phenol	4.76 U ug/L	4,500.00 ug/L				
HW41	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW41-P	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW41	Phthalate, Dimethyl	5.00 U ug/L	1,400.00 ug/L				
HW41-P	Phthalate, Dimethyl	4.76 U ug/L	1,400.00 ug/L				
HW41	Phthalate, di-n-butyl-	5.00 U ug/L	670.00 ug/L				
HW41-P	Phthalate, di-n-butyl-	5.00 U ug/L	670.00 ug/L				
HW41	Phthalate, di-n-octyl	5.00 U ug/L					
HW41-P	Phthalate, di-n-octyl	4.76 U ug/L					
HW41	Phthalate-diethyl	5.00 U ug/L	11,000.00 ug/L				
HW41-P	Phthalate-diethyl	5.00 U ug/L	11,000.00 ug/L				
HW41	Propylamine,n-nitroso di-n-	5.00 U ug/L	0.93 ug/L				
HW41-P	Propylamine,n-nitroso di-n-	4.76 U ug/L	0.93 ug/L				
HW41	Pyrene	60.00 U ug/L	87.00 ug/L				
HW41-P	Pyrene	57.10 U ug/L	87.00 ug/L				
HW41	Pyrene-indeno(1,2,3-cd)	5.00 U ug/L	3.00 ug/L				
HW41-P	Pyrene-indeno(1,2,3-cd)	4.76 U ug/L	3.00 ug/L				
HW41	Tetrachlorobenzene, 1,2,4,5-	5.00 U ug/L	1.20 ug/L				
HW41-P	Tetrachlorobenzene, 1,2,4,5-	4.76 U ug/L	1.20 ug/L				
HW41	Tetrachlorophenol, 2,3,4,6-	5.00 U ug/L	170.00 ug/L				
HW41-P	Tetrachlorophenol, 2,3,4,6-	4.76 U ug/L	170.00 ug/L				
HW41	Trichlorophenol-2,4,5	5.00 U ug/L	890.00 ug/L				
HW41-P	Trichlorophenol-2,4,5	4.76 U ug/L	890.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW41	Trichlorophenol-2,4,6	5.00 U ug/L	9.04 ug/L				
HW41-P	Trichlorophenol-2,4,6	4.76 U ug/L	9.04 ug/L				
HW41	TPH - Diesel Range Organics	250.00 U ug/L					
HW41-P	TPH - Diesel Range Organics	250.00 U ug/L					
HW41	TPH - Gasoline Range Organics	50.00 U ug/L					
HW41-P	TPH - Gasoline Range Organics	50.00 U ug/L					
HW41	TPH - Oil Range Organics	1,000.00 U ug/L					
HW41-P	TPH - Oil Range Organics	1,000.00 U ug/L					
HW41	1,2-Dibromo-3-chloropropane (DBCP)	0.50 U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW41-P	1,2-Dibromo-3-chloropropane (DBCP)	0.50 U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW41	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				
HW41-P	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				
HW41	Acetone	2.00 U ug/L					
HW41-P	Acetone	2.00 U ug/L					
HW41	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW41-P	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW41	Bromobenzene	0.50 U ug/L					
HW41-P	Bromobenzene	0.50 U ug/L					
HW41	Bromoform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW41-P	Bromoform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW41	Butylbenzene	0.50 U ug/L					
HW41-P	Butylbenzene	0.50 U ug/L					
HW41	Butylbenzene, sec-	0.50 U ug/L					
HW41-P	Butylbenzene, sec-	0.50 U ug/L					
HW41	Butylbenzene, tert-	0.50 U ug/L					
HW41-P	Butylbenzene, tert-	0.50 U ug/L					
HW41	Carbon disulfide	0.50 U ug/L					
HW41-P	Carbon disulfide	0.50 U ug/L					
HW41	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW41-P	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW41	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW41-P	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW41	Chlorobromomethane	0.50 U ug/L					
HW41-P	Chlorobromomethane	0.50 U ug/L					
HW41	Chloroethane	0.50 U ug/L					
HW41-P	Chloroethane	0.50 U ug/L					
HW41	Chloroform	0.05 J ug/L		80.00 ug/L		80.00 ug/L	
HW41-P	Chloroform	0.06 J ug/L		80.00 ug/L		80.00 ug/L	
HW41	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW41-P	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW41	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW41-P	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW41	Cyclohexane	0.50 UJ ug/L					
HW41-P	Cyclohexane	0.50 UJ ug/L					
HW41	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW41-P	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW41	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW41-P	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW41	Dibromomethane	0.50 U ug/L					
HW41-P	Dibromomethane	0.50 U ug/L					
HW41	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW41-P	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW41	Dichlorobenzene-1,3	0.50 U ug/L					
HW41-P	Dichlorobenzene-1,3	0.50 U ug/L					
HW41	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW41-P	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW41	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW41-P	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW41	Dichlorodifluoromethane	0.50 U ug/L					
HW41-P	Dichlorodifluoromethane	0.50 U ug/L					
HW41	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW41-P	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW41	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW41-P	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW41	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW41-P	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW41	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW41-P	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW41	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW41-P	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW41	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW41-P	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW41	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW41-P	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW41	Dichloropropane, 2,2-	0.50 U ug/L					
HW41-P	Dichloropropane, 2,2-	0.50 U ug/L					
HW41	Dichloropropene, 1,1-	0.50 U ug/L					
HW41-P	Dichloropropene, 1,1-	0.50 U ug/L					
HW41	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW41-P	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW41	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW41-P	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW41	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW41-P	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW41	Freon 113	0.50 UJ ug/L					
HW41-P	Freon 113	0.50 UJ ug/L					
HW41	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW41-P	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW41	Isopropylbenzene	0.50 U ug/L					
HW41-P	Isopropylbenzene	0.50 U ug/L					
HW41	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW41-P	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW41	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW41-P	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW41	Methyl acetate	0.50 UJ ug/L					
HW41-P	Methyl acetate	0.50 UJ ug/L					
HW41	Methyl bromide	0.50 U ug/L					
HW41-P	Methyl bromide	0.50 U ug/L					
HW41	Methyl chloride	0.50 U ug/L					
HW41-P	Methyl chloride	0.50 U ug/L					
HW41	Methyl cyclohexane	0.50 UJ ug/L					
HW41-P	Methyl cyclohexane	0.50 UJ ug/L					
HW41	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW41-P	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW41	Methyl tertiary butyl ether (MTBE)	0.50 UJ ug/L					
HW41-P	Methyl tertiary butyl ether (MTBE)	0.50 UJ ug/L					
HW41	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW41-P	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW41	Propylbenzene-n	0.50 U ug/L					
HW41-P	Propylbenzene-n	0.50 U ug/L					
HW41	Styrene	1.00 UJ ug/L		100.00 ug/L		100.00 ug/L	
HW41-P	Styrene	1.00 UJ ug/L		100.00 ug/L		100.00 ug/L	
HW41	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW41-P	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW41	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW41-P	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW41	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW41-P	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW41	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW41-P	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW41	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW41-P	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW41	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW41-P	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW41	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW41-P	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW41	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW41-P	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW41	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW41-P	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW41	Trichlorofluoromethane	0.50 U ug/L					
HW41-P	Trichlorofluoromethane	0.50 U ug/L					
HW41	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW41-P	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW41	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW41-P	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW41	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW41-P	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW41	Vinyl acetate	0.50 U ug/L					
HW41-P	Vinyl acetate	0.50 U ug/L					
HW41	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW41-P	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW41	Xylene-o	1.00 UJ ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW41-P	Xylene-o	1.00 UJ ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW41	Nitrogen, Nitrite + Nitrate	0.05 U mg/L		10.00 mg/L		10.00 mg/L	

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW41-P	Nitrogen, Nitrite + Nitrate	0.05 U mg/L		10.00 mg/L		10.00 mg/L	
HW41	Total Nitrogen	1.00 U mg/L					
HW41-P	Total Nitrogen	1.00 U mg/L					
HW41	Total Phosphorus as P	0.05 U mg/L					
HW41-P	Total Phosphorus as P	0.05 U mg/L					

\* 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).

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 Heterotropic 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.

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.

TPH - Total Petroleum Hydrocarbons

# Key to EPA Validated Data Summary Report

## Dimock Residential Sampling

### April 4, 2012

**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.

**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.

# Key to EPA Validated Data Summary Report

## Dimock Residential Sampling

### April 4, 2012

**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, or other symptoms. These pathogens may pose a special health risk for infants, young children, and people with severely compromised immune systems.

**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.

# Key to EPA Validated Data Summary Report

## Dimock Residential Sampling

### April 4, 2012

**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.

**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.