HW-09
EPA Validated Data Summary Report
Dimock Residential Sampling
Sample Date: 2/3/2012

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW09	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW09-P	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW09	1-Propanol	10,000.00	U	ug/L						
HW09-P	1-Propanol	10,000.00	U	ug/L						
HW09	2-Butanol	10,000.00	U	ug/L						
HW09-P	2-Butanol	10,000.00	U	ug/L						
HW09	Ethanol	10,000.00	U	ug/L						
HW09-P	Ethanol	10,000.00	U	ug/L						
HW09	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW09-P	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW09	Anionic Surfactants	0.01	U	mg/L						
HW09-P	Anionic Surfactants	0.01	U	mg/L						
HW09	Heterotrophic Plate Count		R	cfu/1mL						
HW09-P	Heterotrophic Plate Count		R	cfu/1mL						
HW09	Total Coliform Bacteria	1.00	UJ	cfu/100mL	0.00	cfu/100mL	5.00	%*		
HW09-P	Total Coliform Bacteria	1.00	UJ	cfu/100mL	0.00	cfu/100mL	5.00	%*		
HW09	Ethane	1.20	U	ug/L						
HW09-P	Ethane	1.20	U	ug/L						
HW09	Ethene	1.10	U	ug/L						
HW09-P	Ethene	1.10	U	ug/L						
HW09	Methane	4.30	J	ug/L	28,000.00	ug/L				
HW09-P	Methane	2.40	U	ug/L	28,000.00	ug/L				
HW09	2-Butoxyethanol	5.00	U	ug/L						
HW09-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
HW09	2-Methoxyethanol	60.00 U ug/L		78.00 ug/L				
HW09	2-Methoxyethanol	10.00 U ug/L		78.00 ug/L				
HW09-P	2-Methoxyethanol	60.00 U ug/L		78.00 ug/L				
HW09-P	2-Methoxyethanol	10.00 U ug/L		78.00 ug/L				
HW09	Diethylene Glycol	50.00 U ug/L		8,000.00 ug/L				
HW09	Diethylene glycol	10,000.00 U ug/L		8,000.00 ug/L				
HW09-P	Diethylene glycol	R ug/L		8,000.00 ug/L				
HW09-P	Diethylene Glycol	50.00 U ug/L		8,000.00 ug/L				
HW09	Ethanol, 2-ethoxy-	10,000.00 U ug/L						
HW09-P	Ethanol, 2-ethoxy-	10,000.00 U ug/L						
HW09	Ethanol, 2-methoxy-	10,000.00 U ug/L		78.00 ug/L				
HW09-P	Ethanol, 2-methoxy-	10,000.00 U ug/L		78.00 ug/L				
HW09	Ethylene glycol	10,000.00 U ug/L		31,000.00 ug/L				
HW09	Ethylene glycol	10,000.00 U ug/L		31,000.00 ug/L				
HW09-P	Ethylene glycol	10,000.00 U ug/L		31,000.00 ug/L				
HW09-P	Ethylene glycol	10,000.00 U ug/L		31,000.00 ug/L				
HW09	Tetraethylene glycol	25.00 U ug/L		8,000.00 ug/L				
HW09-P	Tetraethylene glycol	25.00 U ug/L		8,000.00 ug/L				
HW09	Triethylene glycol	25.00 U ug/L		8,000.00 ug/L				
HW09	Triethylene glycol	10,000.00 U ug/L		8,000.00 ug/L				
HW09-P	Triethylene glycol	10,000.00 U ug/L		8,000.00 ug/L				
HW09-P	Triethylene glycol	25.00 U ug/L		8,000.00 ug/L				
HW09	Bromide	0.50 U mg/L						
HW09-P	Bromide	0.50 U mg/L						
HW09	Chloride	13.70 mg/L				250.00 mg/L		250.00 mg/L
HW09-P	Chloride	13.80 mg/L				250.00 mg/L		250.00 mg/L
HW09	Fluoride	0.10 U mg/L		0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW09-P	Fluoride	0.10 U mg/L		0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW09	Sulfate	18.70 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
HW09-P	Sulfate	18.70	mg/L			250.00 mg/L		250.00 mg/L
HW09	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW09-F	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW09-P	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW09-PF	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW09	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW09-F	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW09-P	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW09-PF	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW09	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW09-F	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW09-P	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW09-PF	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW09	Arsenic	1.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW09-F	Arsenic	1.00	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW09-P	Arsenic	1.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW09-PF	Arsenic	1.00	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW09	Barium	93.80	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW09-F	Barium	94.70	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW09-P	Barium	106.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW09-PF	Barium	104.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW09	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW09-F	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW09-P	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW09-PF	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW09	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW09-F	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW09-P	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW09-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
HW09	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW09-F	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW09-P	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW09-PF	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW09	Calcium	23,000.00	ug/L					
HW09-F	Calcium	23,400.00	ug/L					
HW09-P	Calcium	23,600.00	ug/L					
HW09-PF	Calcium	23,400.00	ug/L					
HW09	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW09-F	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW09-P	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW09-PF	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW09	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW09-F	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW09-P	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW09-PF	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW09	Copper	37.50	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW09-F	Copper	19.50	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW09-P	Copper	30.80	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW09-PF	Copper	29.60	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW09	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW09-F	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW09-P	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW09-PF	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW09	Lead	1.60	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW09-F	Lead	1.00 U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW09-P	Lead	1.00 U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW09-PF	Lead	1.00 U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW09	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
HW09-F	Lithium	200.00 U	ug/L	31.00 ug/L				
HW09-P	Lithium	200.00 U	ug/L	31.00 ug/L				
HW09-PF	Lithium	200.00 U	ug/L	31.00 ug/L				
HW09	Magnesium	3,900.00	ug/L					
HW09-F	Magnesium	3,980.00	ug/L					
HW09-P	Magnesium	4,000.00	ug/L					
HW09-PF	Magnesium	3,990.00	ug/L					
HW09	Manganese	1.30	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW09-F	Manganese	1.00 U	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW09-P	Manganese	1.00 U	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW09-PF	Manganese	1.00 U	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW09	Nickel	1.10	ug/L	300.00 ug/L				
HW09-F	Nickel	1.20	ug/L	300.00 ug/L				
HW09-P	Nickel	1.40	ug/L	300.00 ug/L				
HW09-PF	Nickel	1.30	ug/L	300.00 ug/L				
HW09	Potassium	2,000.00 U	ug/L					
HW09-F	Potassium	2,000.00 U	ug/L					
HW09-P	Potassium	2,000.00 U	ug/L					
HW09-PF	Potassium	2,000.00 U	ug/L					
HW09	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW09-F	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW09-P	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW09-PF	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW09	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW09-F	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW09-P	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW09-PF	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW09	Sodium	8,110.00	ug/L	20,000.00 ug/L				
HW09-F	Sodium	8,270.00	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
HW09-P	Sodium	8,480.00	ug/L	20,000.00 ug/L				
HW09-PF	Sodium	8,430.00	ug/L	20,000.00 ug/L				
HW09	Strontium	200.00 U	ug/L	9,300.00 ug/L				
HW09-F	Strontium	200.00 U	ug/L	9,300.00 ug/L				
HW09-P	Strontium	200.00 U	ug/L	9,300.00 ug/L				
HW09-PF	Strontium	200.00 U	ug/L	9,300.00 ug/L				
HW09	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW09-F	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW09-P	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW09-PF	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW09	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW09-F	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW09-P	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW09-PF	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW09	Titanium	200.00 U	ug/L					
HW09-F	Titanium	200.00 U	ug/L					
HW09-P	Titanium	200.00 U	ug/L					
HW09-PF	Titanium	200.00 U	ug/L					
HW09	Uranium	1.00 U	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW09-F	Uranium	1.00 U	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW09-P	Uranium	1.00 U	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW09-PF	Uranium	1.00 U	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW09	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW09-F	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW09-P	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW09-PF	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW09	Zinc	15.90	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW09-F	Zinc	8.70	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW09-P	Zinc	16.10	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
HW09-PF	Zinc	20.60	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW09	Oil and Grease	5.00 U	mg/L					
HW09-P	Oil and Grease	5.00 U	mg/L					
HW09	Total Dissolved Solids	106.00	mg/L			500.00 mg/L		500.00 mg/L
HW09-P	Total Dissolved Solids	110.00	mg/L			500.00 mg/L		500.00 mg/L
HW09	Total Suspended Solids	10.00 U	mg/L					
HW09-P	Total Suspended Solids	10.00 U	mg/L					
HW09	1-Methylnaphthalene	5.00 U	ug/L	97.00 ug/L				
HW09-P	1-Methylnaphthalene	5.00 U	ug/L	97.00 ug/L				
HW09	Acenaphthene	5.00 U	ug/L	400.00 ug/L				
HW09-P	Acenaphthene	5.00 U	ug/L	400.00 ug/L				
HW09	Acenaphthylene	5.00 U	ug/L					
HW09-P	Acenaphthylene	5.00 U	ug/L					
HW09	Acetophenone	5.00 U	ug/L	1,500.00 ug/L				
HW09-P	Acetophenone	5.00 U	ug/L	1,500.00 ug/L				
HW09	Anthracene	5.00 U	ug/L	1,300.00 ug/L				
HW09-P	Anthracene	5.00 U	ug/L	1,300.00 ug/L				
HW09	Atrazine	5.00 U	ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW09-P	Atrazine	5.00 U	ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW09	Benzo(a)anthracene	5.00 U	ug/L	2.90 ug/L				
HW09-P	Benzo(a)anthracene	5.00 U	ug/L	2.90 ug/L				
HW09	Benzo(a)pyrene	5.00 U	ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW09-P	Benzo(a)pyrene	5.00 U	ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW09	Biphenyl	5.00 U	ug/L					
HW09-P	Biphenyl	5.00 U	ug/L					
HW09	Bromophenyl-4 Phenyl Ether	5.00 U	ug/L					
HW09-P	Bromophenyl-4 Phenyl Ether	5.00 U	ug/L					
HW09	Butylbenzyl phthalate	5.00 U	ug/L	1,400.00 ug/L				
HW09-P	Butylbenzyl phthalate	5.00 U	ug/L	1,400.00 ug/L				

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW09	Caprolactam	5.00 U	ug/L	7,700.00 ug/L				
HW09-P	Caprolactam	5.00 U	ug/L	7,700.00 ug/L				
HW09	Carbazole	5.00 U	ug/L					
HW09-P	Carbazole	5.00 U	ug/L					
HW09	Chlorobenzenamine-4	60.00 U	ug/L	3.20 ug/L				
HW09-P	Chlorobenzenamine-4	60.00 U	ug/L	3.20 ug/L				
HW09	Chloronaphthalene-2	5.00 U	ug/L	550.00 ug/L				
HW09-P	Chloronaphthalene-2	5.00 U	ug/L	550.00 ug/L				
HW09	Chlorophenol-2	5.00 U	ug/L	71.00 ug/L				
HW09-P	Chlorophenol-2	5.00 U	ug/L	71.00 ug/L				
HW09	Chlorophenyl-4 phenyl ether	5.00 U	ug/L					
HW09-P	Chlorophenyl-4 phenyl ether	5.00 U	ug/L					
HW09	Chrysene	5.00 U	ug/L	290.00 ug/L				
HW09-P	Chrysene	5.00 U	ug/L	290.00 ug/L				
HW09	Cresol, parachloro meta-	5.00 U	ug/L					
HW09-P	Cresol, parachloro meta-	5.00 U	ug/L					
HW09	Cresol-4,6-dinitro-ortho	10.00 U	ug/L					
HW09-P	Cresol-4,6-dinitro-ortho	10.00 U	ug/L					
HW09	Cresol-o	5.00 U	ug/L	720.00 ug/L				
HW09-P	Cresol-o	5.00 U	ug/L	720.00 ug/L				
HW09	Cresol-p	5.00 U	ug/L	72.00 ug/L				
HW09-P	Cresol-p	5.00 U	ug/L	72.00 ug/L				
HW09	Dibenz(a,h)anthracene	5.00 U	ug/L	0.29 ug/L				
HW09-P	Dibenz(a,h)anthracene	5.00 U	ug/L	0.29 ug/L				
HW09	Dibenzofuran	5.00 U	ug/L					
HW09-P	Dibenzofuran	5.00 U	ug/L					
HW09	Dichlorobenzidine-3,3'	60.00 U	ug/L	11.00 ug/L				
HW09-P	Dichlorobenzidine-3,3'	60.00 U	ug/L	11.00 ug/L				
HW09	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
HW09-P	Dichlorophenol-2,4	5.00 U	ug/L	35.00 ug/L				
HW09	Dimethylphenol, 2,4-	5.00 U	ug/L	270.00 ug/L				
HW09-P	Dimethylphenol, 2,4-	5.00 U	ug/L	270.00 ug/L				
HW09	Dinitrophenol-2,4	5.00 U	ug/L	30.00 ug/L				
HW09-P	Dinitrophenol-2,4	5.00 U	ug/L	30.00 ug/L				
HW09	Dinitrotoluene-2,4	5.00 U	ug/L					
HW09-P	Dinitrotoluene-2,4	5.00 U	ug/L					
HW09	Dinitrotoluene-2,6	5.00 U	ug/L					
HW09-P	Dinitrotoluene-2,6	5.00 U	ug/L					
HW09	Ether, bis(2-chloroethyl)	5.00 U	ug/L	1.20 ug/L				
HW09-P	Ether, bis(2-chloroethyl)	5.00 U	ug/L	1.20 ug/L				
HW09	Ether-bis(2-chloroisopropyl)	5.00 U	ug/L					
HW09-P	Ether-bis(2-chloroisopropyl)	5.00 U	ug/L					
HW09	Fluoranthene	5.00 U	ug/L	630.00 ug/L				
HW09-P	Fluoranthene	5.00 U	ug/L	630.00 ug/L				
HW09	Fluoranthene benzo(k)	5.00 U	ug/L	29.00 ug/L				
HW09-P	Fluoranthene benzo(k)	5.00 U	ug/L	29.00 ug/L				
HW09	Fluoranthene-benzo(b)	5.00 U	ug/L	5.60 ug/L				
HW09-P	Fluoranthene-benzo(b)	5.00 U	ug/L	5.60 ug/L				
HW09	Fluorene	5.00 U	ug/L	220.00 ug/L				
HW09-P	Fluorene	5.00 U	ug/L	220.00 ug/L				
HW09	Hexachlorobenzene	5.00 U	ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW09-P	Hexachlorobenzene	5.00 U	ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW09	Hexachlorobutadiene	5.00 U	ug/L	26.00 ug/L				
HW09	Hexachlorobutadiene	0.50 U	ug/L	26.00 ug/L				
HW09-P	Hexachlorobutadiene	0.50 U	ug/L	26.00 ug/L				
HW09-P	Hexachlorobutadiene	5.00 U	ug/L	26.00 ug/L				
HW09	Hexachlorocyclopentadiene	5.00 U	ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW09-P	Hexachlorocyclopentadiene	5.00 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
HW09	Hexachloroethane	5.00 U	ug/L	5.10 ug/L				
HW09-P	Hexachloroethane	5.00 U	ug/L	5.10 ug/L				
HW09	Isophorone	5.00 U	ug/L	6,700.00 ug/L				
HW09-P	Isophorone	5.00 U	ug/L	6,700.00 ug/L				
HW09	Methane, bis(2-chloroethoxy)	5.00 U	ug/L	47.00 ug/L				
HW09-P	Methane, bis(2-chloroethoxy)	5.00 U	ug/L	47.00 ug/L				
HW09	Methylnaphthalene-2	5.00 U	ug/L	27.00 ug/L				
HW09-P	Methylnaphthalene-2	5.00 U	ug/L	27.00 ug/L				
HW09	Naphthalene	0.50 U	ug/L	14.00 ug/L				
HW09	Naphthalene	5.00 U	ug/L	14.00 ug/L				
HW09-P	Naphthalene	5.00 U	ug/L	14.00 ug/L				
HW09-P	Naphthalene	0.50 U	ug/L	14.00 ug/L				
HW09	Nitroaniline, ortho	5.00 U	ug/L	150.00 ug/L				
HW09-P	Nitroaniline, ortho	5.00 U	ug/L	150.00 ug/L				
HW09	Nitroaniline-3	60.00 U	ug/L					
HW09-P	Nitroaniline-3	60.00 U	ug/L					
HW09	Nitrobenzenamine-4	5.00 U	ug/L	61.00 ug/L				
HW09-P	Nitrobenzenamine-4	5.00 U	ug/L	61.00 ug/L				
HW09	Nitrobenzene	5.00 U	ug/L	12.00 ug/L				
HW09-P	Nitrobenzene	5.00 U	ug/L	12.00 ug/L				
HW09	Nitrophenol-2	5.00 U	ug/L					
HW09-P	Nitrophenol-2	5.00 U	ug/L					
HW09	Nitrophenol-4	10.00 U	ug/L					
HW09-P	Nitrophenol-4	10.00 U	ug/L					
HW09	Nitrosodimethylamine-n	5.00 U	ug/L	0.04 ug/L				
HW09-P	Nitrosodimethylamine-n	5.00 U	ug/L	0.04 ug/L				
HW09	Nitrosodiphenylamine-n	5.00 U	ug/L	1,000.00 ug/L				
HW09-P	Nitrosodiphenylamine-n	5.00 U	ug/L	1,000.00 ug/L				
HW09	Pentachlorophenol	5.00 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
HW09-P	Pentachlorophenol	5.00 U	ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW09	Perylene-benzo(ghi)	5.00 U	ug/L					
HW09-P	Perylene-benzo(ghi)	5.00 U	ug/L					
HW09	Phenanthrene	5.00 U	ug/L					
HW09-P	Phenanthrene	5.00 U	ug/L					
HW09	Phenol	5.00 U	ug/L	4,500.00 ug/L				
HW09-P	Phenol	5.00 U	ug/L	4,500.00 ug/L				
HW09	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U	ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW09-P	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U	ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW09	Phthalate, Dimethyl	5.00 U	ug/L	1,400.00 ug/L				
HW09-P	Phthalate, Dimethyl	5.00 U	ug/L	1,400.00 ug/L				
HW09	Phthalate, di-n-butyl-	5.00 U	ug/L	670.00 ug/L				
HW09-P	Phthalate, di-n-butyl-	5.00 U	ug/L	670.00 ug/L				
HW09	Phthalate, di-n-octyl	5.00 U	ug/L					
HW09-P	Phthalate, di-n-octyl	5.00 U	ug/L					
HW09	Phthalate-diethyl	5.00 U	ug/L	11,000.00 ug/L				
HW09-P	Phthalate-diethyl	5.00 U	ug/L	11,000.00 ug/L				
HW09	Propylamine,n-nitroso di-n-	5.00 U	ug/L	0.93 ug/L				
HW09-P	Propylamine,n-nitroso di-n-	5.00 U	ug/L	0.93 ug/L				
HW09	Pyrene	5.00 U	ug/L	87.00 ug/L				
HW09-P	Pyrene	5.00 U	ug/L	87.00 ug/L				
HW09	Pyrene-indeno(1,2,3-cd)	5.00 U	ug/L	3.00 ug/L				
HW09-P	Pyrene-indeno(1,2,3-cd)	5.00 U	ug/L	3.00 ug/L				
HW09	Tetrachlorobenzene, 1,2,4,5-	5.00 U	ug/L	1.20 ug/L				
HW09-P	Tetrachlorobenzene, 1,2,4,5-	5.00 U	ug/L	1.20 ug/L				
HW09	Tetrachlorophenol, 2,3,4,6-	5.00 U	ug/L	170.00 ug/L				
HW09-P	Tetrachlorophenol, 2,3,4,6-	5.00 U	ug/L	170.00 ug/L				
HW09	Trichlorophenol-2,4,5	5.00 U	ug/L	890.00 ug/L				
HW09-P	Trichlorophenol-2,4,5	5.00 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
HW09	Trichlorophenol-2,4,6	5.00 U	ug/L	9.04 ug/L				
HW09-P	Trichlorophenol-2,4,6	5.00 U	ug/L	9.04 ug/L				
HW09	TPH - Diesel Range Organics	240.00 U	ug/L					
HW09-P	TPH - Diesel Range Organics	250.00 U	ug/L					
HW09	TPH - Gasoline Range Organics	50.00 U	ug/L					
HW09-P	TPH - Gasoline Range Organics	50.00 U	ug/L					
HW09	TPH - Oil Range Organics	950.00 U	ug/L					
HW09-P	TPH - Oil Range Organics	1,000.00 U	ug/L					
HW09	1,2-Dibromo-3-chloropropane (DBCP)	0.50 U	ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW09-P	1,2-Dibromo-3-chloropropane (DBCP)	0.50 U	ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW09	4-Methyl-2-pentanone	2.00 U	ug/L	1,000.00 ug/L				
HW09-P	4-Methyl-2-pentanone	2.00 U	ug/L	1,000.00 ug/L				
HW09	Acetone	2.00 U	ug/L					
HW09-P	Acetone	3.10 J	ug/L					
HW09	Benzene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW09-P	Benzene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW09	Bromobenzene	0.50 U	ug/L					
HW09-P	Bromobenzene	0.50 U	ug/L					
HW09	Bromoform	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW09-P	Bromoform	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW09	Butylbenzene	0.50 U	ug/L					
HW09-P	Butylbenzene	0.50 U	ug/L					
HW09	Butylbenzene, sec-	0.50 U	ug/L					
HW09-P	Butylbenzene, sec-	0.50 U	ug/L					
HW09	Butylbenzene, tert-	0.50 U	ug/L					
HW09-P	Butylbenzene, tert-	0.50 U	ug/L					
HW09	Carbon disulfide	0.50 U	ug/L					
HW09-P	Carbon disulfide	0.50 U	ug/L					
HW09	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
HW09-P	Carbon Tetrachloride	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW09	Chlorobenzene	0.50 U	ug/L		100.00 ug/L			
HW09-P	Chlorobenzene	0.50 U	ug/L		100.00 ug/L			
HW09	Chlorobromomethane	0.50 U	ug/L					
HW09-P	Chlorobromomethane	0.50 U	ug/L					
HW09	Chloroethane	0.50 U	ug/L					
HW09-P	Chloroethane	0.50 U	ug/L					
HW09	Chloroform	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW09-P	Chloroform	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW09	Chlorotoluene	0.50 U	ug/L	180.00 ug/L				
HW09-P	Chlorotoluene	0.50 U	ug/L	180.00 ug/L				
HW09	Chlorotoluene-p	0.50 U	ug/L	190.00 ug/L				
HW09-P	Chlorotoluene-p	0.50 U	ug/L	190.00 ug/L				
HW09	Cyclohexane	0.50 UJ	ug/L					
HW09-P	Cyclohexane	0.50 UJ	ug/L					
HW09	Dibromochloromethane	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW09-P	Dibromochloromethane	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW09	Dibromoethane-1,2	0.50 U	ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW09-P	Dibromoethane-1,2	0.50 U	ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW09	Dibromomethane	0.50 U	ug/L					
HW09-P	Dibromomethane	0.50 U	ug/L					
HW09	Dichlorobenzene-1,2	0.50 U	ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW09-P	Dichlorobenzene-1,2	0.50 U	ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW09	Dichlorobenzene-1,3	0.50 U	ug/L					
HW09-P	Dichlorobenzene-1,3	0.50 U	ug/L					
HW09	Dichlorobenzene-1,4	0.50 U	ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW09-P	Dichlorobenzene-1,4	0.50 U	ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW09	Dichlorobromomethane	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW09-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
HW09	Dichlorodifluoromethane	0.50 U	ug/L					
HW09-P	Dichlorodifluoromethane	0.50 U	ug/L					
HW09	Dichloroethane-1,1	0.50 U	ug/L	240.00 ug/L				
HW09-P	Dichloroethane-1,1	0.50 U	ug/L	240.00 ug/L				
HW09	Dichloroethane-1,2	0.50 U	ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW09-P	Dichloroethane-1,2	0.50 U	ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW09	Dichloroethene-1,2 trans	0.50 U	ug/L		100.00 ug/L		100.00 ug/L	
HW09-P	Dichloroethene-1,2 trans	0.50 U	ug/L		100.00 ug/L		100.00 ug/L	
HW09	Dichloroethylene-1,1	0.50 U	ug/L		7.00 ug/L		7.00 ug/L	
HW09-P	Dichloroethylene-1,1	0.50 U	ug/L		7.00 ug/L		7.00 ug/L	
HW09	Dichloroethylene-1,2 cis	0.50 U	ug/L		70.00 ug/L		70.00 ug/L	
HW09-P	Dichloroethylene-1,2 cis	0.50 U	ug/L		70.00 ug/L		70.00 ug/L	
HW09	Dichloropropane, 1,2-	0.50 U	ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW09-P	Dichloropropane, 1,2-	0.50 U	ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW09	Dichloropropane, 1,3-	0.50 U	ug/L	290.00 ug/L				
HW09-P	Dichloropropane, 1,3-	0.50 U	ug/L	290.00 ug/L				
HW09	Dichloropropane, 2,2-	0.50 U	ug/L					
HW09-P	Dichloropropane, 2,2-	0.50 U	ug/L					
HW09	Dichloropropene, 1,1-	0.50 U	ug/L					
HW09-P	Dichloropropene, 1,1-	0.50 U	ug/L					
HW09	Dichloropropene, 1,3 cis-	0.50 U	ug/L					
HW09-P	Dichloropropene, 1,3 cis-	0.50 U	ug/L					
HW09	Dichloropropene, 1,3 trans-	0.50 U	ug/L					
HW09-P	Dichloropropene, 1,3 trans-	0.50 U	ug/L					
HW09	Ethylbenzene	0.50 U	ug/L		700.00 ug/L		700.00 ug/L	
HW09-P	Ethylbenzene	0.50 U	ug/L		700.00 ug/L		700.00 ug/L	
HW09	Freon 113	0.50 UJ	ug/L					
HW09-P	Freon 113	0.50 UJ	ug/L					
HW09	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
HW09-P	Hexanone, 2-	2.00 U	ug/L	34.00 ug/L				
HW09	Isopropylbenzene	0.50 U	ug/L					
HW09-P	Isopropylbenzene	0.50 U	ug/L					
HW09	Isopropylbenzene-4,methyl-1	0.50 U	ug/L					
HW09-P	Isopropylbenzene-4,methyl-1	0.50 U	ug/L					
HW09	m,p-Xylene	1.00 U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW09-P	m,p-Xylene	1.00 U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW09	Methyl acetate	0.50 UJ	ug/L					
HW09-P	Methyl acetate	0.50 UJ	ug/L					
HW09	Methyl bromide	0.50 U	ug/L					
HW09-P	Methyl bromide	0.50 U	ug/L					
HW09	Methyl chloride	0.50 U	ug/L					
HW09-P	Methyl chloride	0.50 U	ug/L					
HW09	Methyl cyclohexane	0.50 UJ	ug/L					
HW09-P	Methyl cyclohexane	0.50 UJ	ug/L					
HW09	Methyl ethyl ketone	2.00 U	ug/L	4,900.00 ug/L				
HW09-P	Methyl ethyl ketone	2.00 U	ug/L	4,900.00 ug/L				
HW09	Methyl tertiary butyl ether (MTBE)	0.50 UJ	ug/L					
HW09-P	Methyl tertiary butyl ether (MTBE)	0.50 UJ	ug/L					
HW09	Methylene chloride	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW09-P	Methylene chloride	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW09	Propylbenzene-n	0.50 U	ug/L					
HW09-P	Propylbenzene-n	0.50 U	ug/L					
HW09	Styrene	1.00 UJ	ug/L		100.00 ug/L		100.00 ug/L	
HW09-P	Styrene	1.00 UJ	ug/L		100.00 ug/L		100.00 ug/L	
HW09	Tetrachloroethane, 1,1,1,2-	0.50 U	ug/L	50.00 ug/L				
HW09-P	Tetrachloroethane, 1,1,1,2-	0.50 U	ug/L	50.00 ug/L				
HW09	Tetrachloroethane, 1,1,2,2-	0.50 U	ug/L	6.60 ug/L				
HW09-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
HW09	Tetrachloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW09-P	Tetrachloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW09	Toluene	0.50 U	ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW09-P	Toluene	0.50 U	ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW09	Trichlorobenzene-1,2,3	0.50 U	ug/L	5.20 ug/L				
HW09-P	Trichlorobenzene-1,2,3	0.50 U	ug/L	5.20 ug/L				
HW09	Trichlorobenzene-1,2,4	0.50 U	ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW09-P	Trichlorobenzene-1,2,4	0.50 U	ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW09	Trichloroethane-1,1,1	0.50 U	ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW09-P	Trichloroethane-1,1,1	0.50 U	ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW09	Trichloroethane-1,1,2	0.50 U	ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW09-P	Trichloroethane-1,1,2	0.50 U	ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW09	Trichloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW09-P	Trichloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW09	Trichlorofluoromethane	0.50 U	ug/L					
HW09-P	Trichlorofluoromethane	0.50 U	ug/L					
HW09	Trichloropropane-1,2,3	0.50 U	ug/L	0.07 ug/L				
HW09-P	Trichloropropane-1,2,3	0.50 U	ug/L	0.07 ug/L				
HW09	Trimethylbenzene-1,2,4	0.50 U	ug/L	15.00 ug/L				
HW09-P	Trimethylbenzene-1,2,4	0.50 U	ug/L	15.00 ug/L				
HW09	Trimethylbenzene-1,3,5	0.50 U	ug/L	87.00 ug/L				
HW09-P	Trimethylbenzene-1,3,5	0.50 U	ug/L	87.00 ug/L				
HW09	Vinyl acetate	0.50 U	ug/L					
HW09-P	Vinyl acetate	0.50 U	ug/L					
HW09	Vinyl chloride	0.50 U	ug/L		2.00 ug/L		2.00 ug/L	
HW09-P	Vinyl chloride	0.50 U	ug/L		2.00 ug/L		2.00 ug/L	
HW09	Xylene-o	1.00 UJ	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW09-P	Xylene-o	1.00 UJ	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW09	Nitrogen, Nitrite + Nitrate	2.39 J	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
HW09-P	Nitrogen, Nitrite + Nitrate	2.41	mg/L		10.00 mg/L		10.00 mg/L	
HW09	Total Nitrogen	2.63	mg/L					
HW09-P	Total Nitrogen	2.59	mg/L					
HW09	Total Phosphorus as P	0.05 U	mg/L					
HW09-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.