HW-33b
EPA Validated Data Summary Report
Dimock Residential Sampling
Sample Date: 2/1/2012

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW33	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW33b-P	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW33	1-Propanol	10,000.00	U	ug/L						
HW33b-P	1-Propanol	10,000.00	U	ug/L						
HW33	2-Butanol	10,000.00	U	ug/L						
HW33b-P	2-Butanol	10,000.00	U	ug/L						
HW33	Ethanol	10,000.00	U	ug/L						
HW33b-P	Ethanol	10,000.00	U	ug/L						
HW33	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW33b-P	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW33	Anionic Surfactants	0.01	U	mg/L						
HW33b-P	Anionic Surfactants	0.11		mg/L						
HW33	Heterotrophic Plate Count		R	cfu/1mL						
HW33b-P	Heterotrophic Plate Count		R	cfu/1mL						
HW33	Total Coliform Bacteria	1.00	U	cfu/100mL	0.00	cfu/100mL	5.00 %*			
HW33b-P	Total Coliform Bacteria	1.00	U	cfu/100mL	0.00	cfu/100mL	5.00 %*			
HW33	Ethane	1.20	U	ug/L						
HW33b-P	Ethane	1.20	U	ug/L						
HW33	Ethene	1.10	U	ug/L						
HW33b-P	Ethene	1.10	U	ug/L						
HW33	Methane	1.30		ug/L	28,000.00	ug/L				
HW33b-P	Methane	1.20	U	ug/L	28,000.00	ug/L				
HW33	2-Butoxyethanol	5.00	U	ug/L						
HW33b-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
HW33	2-Methoxyethanol	10.00 U ug/L		78.00 ug/L				
HW33	2-Methoxyethanol	60.00 U ug/L		78.00 ug/L				
HW33b-P	2-Methoxyethanol	10.00 U ug/L		78.00 ug/L				
HW33b-P	2-Methoxyethanol	60.00 U ug/L		78.00 ug/L				
HW33	Diethylene glycol	R ug/L		8,000.00 ug/L				
HW33	Diethylene Glycol	50.00 U ug/L		8,000.00 ug/L				
HW33b-P	Diethylene Glycol	50.00 U ug/L		8,000.00 ug/L				
HW33b-P	Diethylene glycol	R ug/L		8,000.00 ug/L				
HW33	Ethanol, 2-ethoxy-	10,000.00 U ug/L						
HW33b-P	Ethanol, 2-ethoxy-	10,000.00 U ug/L						
HW33	Ethanol, 2-methoxy-	10,000.00 U ug/L		78.00 ug/L				
HW33b-P	Ethanol, 2-methoxy-	10,000.00 U ug/L		78.00 ug/L				
HW33	Ethylene glycol	10,000.00 U ug/L		31,000.00 ug/L				
HW33	Ethylene glycol	10,000.00 U ug/L		31,000.00 ug/L				
HW33b-P	Ethylene glycol	10,000.00 U ug/L		31,000.00 ug/L				
HW33b-P	Ethylene glycol	10,000.00 U ug/L		31,000.00 ug/L				
HW33	Tetraethylene glycol	25.00 U ug/L		8,000.00 ug/L				
HW33b-P	Tetraethylene glycol	25.00 U ug/L		8,000.00 ug/L				
HW33	Triethylene glycol	10,000.00 U ug/L		8,000.00 ug/L				
HW33	Triethylene glycol	25.00 U ug/L		8,000.00 ug/L				
HW33b-P	Triethylene glycol	10,000.00 U ug/L		8,000.00 ug/L				
HW33b-P	Triethylene glycol	25.00 U ug/L		8,000.00 ug/L				
HW33	Bromide	0.50 U mg/L						
HW33b-P	Bromide	0.50 U mg/L						
HW33	Chloride	40.00 mg/L				250.00 mg/L		250.00 mg/L
HW33b-P	Chloride	39.30 mg/L				250.00 mg/L		250.00 mg/L
HW33	Fluoride	0.10 U mg/L		0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW33b-P	Fluoride	0.10 U mg/L		0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW33	Sulfate	10.40 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
HW33b-P	Sulfate	10.50	mg/L			250.00 mg/L		250.00 mg/L
HW33	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW33b-P	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW33b-PF	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW33-F	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW33	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW33b-P	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW33b-PF	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW33-F	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW33	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW33b-P	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW33b-PF	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW33-F	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW33	Arsenic	2.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW33b-P	Arsenic	2.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW33b-PF	Arsenic	2.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW33-F	Arsenic	2.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW33	Barium	61.80	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW33b-P	Barium	68.90	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW33b-PF	Barium	67.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW33-F	Barium	62.40	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW33	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW33b-P	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW33b-PF	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW33-F	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW33	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW33b-P	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW33b-PF	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW33-F	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
HW33	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW33b-P	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW33b-PF	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW33-F	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW33	Calcium	30,600.00	ug/L					
HW33b-P	Calcium	31,100.00	ug/L					
HW33b-PF	Calcium	30,400.00	ug/L					
HW33-F	Calcium	30,500.00	ug/L					
HW33	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW33b-P	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW33b-PF	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW33-F	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW33	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW33b-P	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW33b-PF	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW33-F	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW33	Copper	11.00	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW33b-P	Copper	166.00	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW33b-PF	Copper	166.00	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW33-F	Copper	10.80	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW33	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW33b-P	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW33b-PF	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW33-F	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW33	Lead	1.70	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW33b-P	Lead	1.00 U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW33b-PF	Lead	1.00 U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW33-F	Lead	1.50	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW33	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
HW33b-P	Lithium	200.00 U	ug/L	31.00 ug/L				
HW33b-PF	Lithium	200.00 U	ug/L	31.00 ug/L				
HW33-F	Lithium	200.00 U	ug/L	31.00 ug/L				
HW33	Magnesium	7,910.00	ug/L					
HW33b-P	Magnesium	8,010.00	ug/L					
HW33b-PF	Magnesium	7,780.00	ug/L					
HW33-F	Magnesium	7,910.00	ug/L					
HW33	Manganese	1.30	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW33b-P	Manganese	1.30	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW33b-PF	Manganese	1.20	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW33-F	Manganese	1.10	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW33	Nickel	1.10	ug/L	300.00 ug/L				
HW33b-P	Nickel	1.30	ug/L	300.00 ug/L				
HW33b-PF	Nickel	1.30	ug/L	300.00 ug/L				
HW33-F	Nickel	1.30	ug/L	300.00 ug/L				
HW33	Potassium	2,000.00 U	ug/L					
HW33b-P	Potassium	2,000.00 U	ug/L					
HW33b-PF	Potassium	2,000.00 U	ug/L					
HW33-F	Potassium	2,000.00 U	ug/L					
HW33	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW33b-P	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW33b-PF	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW33-F	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW33	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW33b-P	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW33b-PF	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW33-F	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW33	Sodium	12,500.00	ug/L	20,000.00 ug/L				
HW33b-P	Sodium	13,300.00	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
HW33b-PF	Sodium	13,100.00	ug/L	20,000.00 ug/L				
HW33-F	Sodium	12,500.00	ug/L	20,000.00 ug/L				
HW33	Strontium	200.00 U	ug/L	9,300.00 ug/L				
HW33b-P	Strontium	200.00 U	ug/L	9,300.00 ug/L				
HW33b-PF	Strontium	200.00 U	ug/L	9,300.00 ug/L				
HW33-F	Strontium	200.00 U	ug/L	9,300.00 ug/L				
HW33	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW33b-P	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW33b-PF	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW33-F	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW33	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW33b-P	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW33b-PF	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW33-F	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW33	Titanium	200.00 U	ug/L					
HW33b-P	Titanium	200.00 U	ug/L					
HW33b-PF	Titanium	200.00 U	ug/L					
HW33-F	Titanium	200.00 U	ug/L					
HW33	Uranium	1.00 U	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW33b-P	Uranium	1.00 U	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW33b-PF	Uranium	1.00 U	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW33-F	Uranium	1.00 U	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW33	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW33b-P	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW33b-PF	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW33-F	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW33	Zinc	3.80	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW33b-P	Zinc	6.90	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW33b-PF	Zinc	6.70	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
HW33-F	Zinc	4.80	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW33	Oil and Grease	5.40 U	mg/L					
HW33b-P	Oil and Grease	5.30 U	mg/L					
HW33	Total Dissolved Solids	198.00	mg/L			500.00 mg/L		500.00 mg/L
HW33b-P	Total Dissolved Solids	139.00	mg/L			500.00 mg/L		500.00 mg/L
HW33	Total Suspended Solids	10.00 U	mg/L					
HW33b-P	Total Suspended Solids	10.00 U	mg/L					
HW33	1-Methylnaphthalene	5.00 U	ug/L	97.00 ug/L				
HW33b-P	1-Methylnaphthalene	5.00 U	ug/L	97.00 ug/L				
HW33	Acenaphthene	5.00 U	ug/L	400.00 ug/L				
HW33b-P	Acenaphthene	5.00 U	ug/L	400.00 ug/L				
HW33	Acenaphthylene	5.00 U	ug/L					
HW33b-P	Acenaphthylene	5.00 U	ug/L					
HW33	Acetophenone	5.00 U	ug/L	1,500.00 ug/L				
HW33b-P	Acetophenone	5.00 U	ug/L	1,500.00 ug/L				
HW33	Anthracene	5.00 U	ug/L	1,300.00 ug/L				
HW33b-P	Anthracene	5.00 U	ug/L	1,300.00 ug/L				
HW33	Atrazine	5.00 U	ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW33b-P	Atrazine	5.00 U	ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW33	Benzo(a)anthracene	5.00 U	ug/L	2.90 ug/L				
HW33b-P	Benzo(a)anthracene	5.00 U	ug/L	2.90 ug/L				
HW33	Benzo(a)pyrene	5.00 U	ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW33b-P	Benzo(a)pyrene	5.00 U	ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW33	Biphenyl	5.00 U	ug/L					
HW33b-P	Biphenyl	5.00 U	ug/L					
HW33	Bromophenyl-4 Phenyl Ether	5.00 U	ug/L					
HW33b-P	Bromophenyl-4 Phenyl Ether	5.00 U	ug/L					
HW33	Butylbenzyl phthalate	5.00 U	ug/L	1,400.00 ug/L				
HW33b-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
HW33	Caprolactam	5.00 U	ug/L	7,700.00 ug/L				
HW33b-P	Caprolactam	5.00 U	ug/L	7,700.00 ug/L				
HW33	Carbazole	5.00 U	ug/L					
HW33b-P	Carbazole	5.00 U	ug/L					
HW33	Chlorobenzenamine-4	5.00 U	ug/L	3.20 ug/L				
HW33b-P	Chlorobenzenamine-4	5.00 U	ug/L	3.20 ug/L				
HW33	Chloronaphthalene-2	5.00 U	ug/L	550.00 ug/L				
HW33b-P	Chloronaphthalene-2	5.00 U	ug/L	550.00 ug/L				
HW33	Chlorophenol-2	5.00 U	ug/L	71.00 ug/L				
HW33b-P	Chlorophenol-2	5.00 U	ug/L	71.00 ug/L				
HW33	Chlorophenyl-4 phenyl ether	5.00 U	ug/L					
HW33b-P	Chlorophenyl-4 phenyl ether	5.00 U	ug/L					
HW33	Chrysene	5.00 U	ug/L	290.00 ug/L				
HW33b-P	Chrysene	5.00 U	ug/L	290.00 ug/L				
HW33	Cresol, parachloro meta-	5.00 U	ug/L					
HW33b-P	Cresol, parachloro meta-	5.00 U	ug/L					
HW33	Cresol-4,6-dinitro-ortho	10.00 U	ug/L					
HW33b-P	Cresol-4,6-dinitro-ortho	10.00 U	ug/L					
HW33	Cresol-o	5.00 U	ug/L	720.00 ug/L				
HW33b-P	Cresol-o	5.00 U	ug/L	720.00 ug/L				
HW33	Cresol-p	5.00 U	ug/L	72.00 ug/L				
HW33b-P	Cresol-p	5.00 U	ug/L	72.00 ug/L				
HW33	Dibenz(a,h)anthracene	5.00 U	ug/L	0.29 ug/L				
HW33b-P	Dibenz(a,h)anthracene	5.00 U	ug/L	0.29 ug/L				
HW33	Dibenzofuran	5.00 U	ug/L					
HW33b-P	Dibenzofuran	5.00 U	ug/L					
HW33	Dichlorobenzidine-3,3'	5.00 U	ug/L	11.00 ug/L				
HW33b-P	Dichlorobenzidine-3,3'	5.00 U	ug/L	11.00 ug/L				
HW33	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
HW33b-P	Dichlorophenol-2,4	5.00 U	ug/L	35.00 ug/L				
HW33	Dimethylphenol, 2,4-	5.00 U	ug/L	270.00 ug/L				
HW33b-P	Dimethylphenol, 2,4-	5.00 U	ug/L	270.00 ug/L				
HW33	Dinitrophenol-2,4	5.00 U	ug/L	30.00 ug/L				
HW33b-P	Dinitrophenol-2,4	5.00 U	ug/L	30.00 ug/L				
HW33	Dinitrotoluene-2,4	5.00 U	ug/L					
HW33b-P	Dinitrotoluene-2,4	5.00 U	ug/L					
HW33	Dinitrotoluene-2,6	5.00 U	ug/L					
HW33b-P	Dinitrotoluene-2,6	5.00 U	ug/L					
HW33	Ether, bis(2-chloroethyl)	5.00 U	ug/L	1.20 ug/L				
HW33b-P	Ether, bis(2-chloroethyl)	5.00 U	ug/L	1.20 ug/L				
HW33	Ether-bis(2-chloroisopropyl)	5.00 U	ug/L					
HW33b-P	Ether-bis(2-chloroisopropyl)	5.00 U	ug/L					
HW33	Fluoranthene	5.00 U	ug/L	630.00 ug/L				
HW33b-P	Fluoranthene	5.00 U	ug/L	630.00 ug/L				
HW33	Fluoranthene benzo(k)	5.00 U	ug/L	29.00 ug/L				
HW33b-P	Fluoranthene benzo(k)	5.00 U	ug/L	29.00 ug/L				
HW33	Fluoranthene-benzo(b)	5.00 U	ug/L	5.60 ug/L				
HW33b-P	Fluoranthene-benzo(b)	5.00 U	ug/L	5.60 ug/L				
HW33	Fluorene	5.00 U	ug/L	220.00 ug/L				
HW33b-P	Fluorene	5.00 U	ug/L	220.00 ug/L				
HW33	Hexachlorobenzene	5.00 U	ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW33b-P	Hexachlorobenzene	5.00 U	ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW33	Hexachlorobutadiene	0.50 U	ug/L	26.00 ug/L				
HW33	Hexachlorobutadiene	5.00 U	ug/L	26.00 ug/L				
HW33b-P	Hexachlorobutadiene	0.50 U	ug/L	26.00 ug/L				
HW33b-P	Hexachlorobutadiene	5.00 U	ug/L	26.00 ug/L				
HW33	Hexachlorocyclopentadiene	5.00 U	ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW33b-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
HW33	Hexachloroethane	5.00 U	ug/L	5.10 ug/L				
HW33b-P	Hexachloroethane	5.00 U	ug/L	5.10 ug/L				
HW33	Isophorone	5.00 U	ug/L	6,700.00 ug/L				
HW33b-P	Isophorone	5.00 U	ug/L	6,700.00 ug/L				
HW33	Methane, bis(2-chloroethoxy)	5.00 U	ug/L	47.00 ug/L				
HW33b-P	Methane, bis(2-chloroethoxy)	5.00 U	ug/L	47.00 ug/L				
HW33	Methylnaphthalene-2	5.00 U	ug/L	27.00 ug/L				
HW33b-P	Methylnaphthalene-2	5.00 U	ug/L	27.00 ug/L				
HW33	Naphthalene	0.50 U	ug/L	14.00 ug/L				
HW33	Naphthalene	5.00 U	ug/L	14.00 ug/L				
HW33b-P	Naphthalene	5.00 U	ug/L	14.00 ug/L				
HW33b-P	Naphthalene	0.50 U	ug/L	14.00 ug/L				
HW33	Nitroaniline, ortho	5.00 U	ug/L	150.00 ug/L				
HW33b-P	Nitroaniline, ortho	5.00 U	ug/L	150.00 ug/L				
HW33	Nitroaniline-3	5.00 U	ug/L					
HW33b-P	Nitroaniline-3	5.00 U	ug/L					
HW33	Nitrobenzenamine-4	5.00 U	ug/L	61.00 ug/L				
HW33b-P	Nitrobenzenamine-4	5.00 U	ug/L	61.00 ug/L				
HW33	Nitrobenzene	5.00 U	ug/L	12.00 ug/L				
HW33b-P	Nitrobenzene	5.00 U	ug/L	12.00 ug/L				
HW33	Nitrophenol-2	5.00 U	ug/L					
HW33b-P	Nitrophenol-2	5.00 U	ug/L					
HW33	Nitrophenol-4	10.00 U	ug/L					
HW33b-P	Nitrophenol-4	10.00 U	ug/L					
HW33	Nitrosodimethylamine-n	5.00 U	ug/L	0.04 ug/L				
HW33b-P	Nitrosodimethylamine-n	5.00 U	ug/L	0.04 ug/L				
HW33	Nitrosodiphenylamine-n	5.00 U	ug/L	1,000.00 ug/L				
HW33b-P	Nitrosodiphenylamine-n	5.00 U	ug/L	1,000.00 ug/L				
HW33	Pentachlorophenol	40.00 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
HW33b-P	Pentachlorophenol	40.00 U	ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW33	Perylene-benzo(ghi)	5.00 U	ug/L					
HW33b-P	Perylene-benzo(ghi)	5.00 U	ug/L					
HW33	Phenanthrene	5.00 U	ug/L					
HW33b-P	Phenanthrene	5.00 U	ug/L					
HW33	Phenol	5.00 U	ug/L	4,500.00 ug/L				
HW33b-P	Phenol	5.00 U	ug/L	4,500.00 ug/L				
HW33	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U	ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW33b-P	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U	ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW33	Phthalate, Dimethyl	5.00 U	ug/L	1,400.00 ug/L				
HW33b-P	Phthalate, Dimethyl	5.00 U	ug/L	1,400.00 ug/L				
HW33	Phthalate, di-n-butyl-	5.00 U	ug/L	670.00 ug/L				
HW33b-P	Phthalate, di-n-butyl-	5.00 U	ug/L	670.00 ug/L				
HW33	Phthalate, di-n-octyl	5.00 U	ug/L					
HW33b-P	Phthalate, di-n-octyl	5.00 U	ug/L					
HW33	Phthalate-diethyl	5.00 U	ug/L	11,000.00 ug/L				
HW33b-P	Phthalate-diethyl	5.00 U	ug/L	11,000.00 ug/L				
HW33	Propylamine,n-nitroso di-n-	5.00 U	ug/L	0.93 ug/L				
HW33b-P	Propylamine,n-nitroso di-n-	5.00 U	ug/L	0.93 ug/L				
HW33	Pyrene	5.00 U	ug/L	87.00 ug/L				
HW33b-P	Pyrene	5.00 U	ug/L	87.00 ug/L				
HW33	Pyrene-indeno(1,2,3-cd)	5.00 U	ug/L	3.00 ug/L				
HW33b-P	Pyrene-indeno(1,2,3-cd)	5.00 U	ug/L	3.00 ug/L				
HW33	Tetrachlorobenzene, 1,2,4,5-	5.00 U	ug/L	1.20 ug/L				
HW33b-P	Tetrachlorobenzene, 1,2,4,5-	5.00 U	ug/L	1.20 ug/L				
HW33	Tetrachlorophenol, 2,3,4,6-	5.00 U	ug/L	170.00 ug/L				
HW33b-P	Tetrachlorophenol, 2,3,4,6-	5.00 U	ug/L	170.00 ug/L				
HW33	Trichlorophenol-2,4,5	5.00 U	ug/L	890.00 ug/L				
HW33b-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
HW33	Trichlorophenol-2,4,6	5.00 U	ug/L	9.04 ug/L				
HW33b-P	Trichlorophenol-2,4,6	5.00 U	ug/L	9.04 ug/L				
HW33	TPH - Diesel Range Organics	240.00 U	ug/L					
HW33b-P	TPH - Diesel Range Organics	250.00 U	ug/L					
HW33	TPH - Gasoline Range Organics	50.00 U	ug/L					
HW33b-P	TPH - Gasoline Range Organics	50.00 U	ug/L					
HW33	TPH - Oil Range Organics	950.00 U	ug/L					
HW33b-P	TPH - Oil Range Organics	1,000.00 U	ug/L					
HW33	1,2-Dibromo-3-chloropropane (DBCP)	2.00 UJ	ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW33b-P	1,2-Dibromo-3-chloropropane (DBCP)	2.00 UJ	ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW33	4-Methyl-2-pentanone	2.00 U	ug/L	1,000.00 ug/L				
HW33b-P	4-Methyl-2-pentanone	2.00 U	ug/L	1,000.00 ug/L				
HW33	Acetone	2.00 U	ug/L					
HW33b-P	Acetone	2.20 J	ug/L					
HW33	Benzene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW33b-P	Benzene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW33	Bromobenzene	0.50 U	ug/L					
HW33b-P	Bromobenzene	0.50 U	ug/L					
HW33	Bromoform	1.00 U	ug/L		80.00 ug/L		80.00 ug/L	
HW33b-P	Bromoform	1.00 U	ug/L		80.00 ug/L		80.00 ug/L	
HW33	Butylbenzene	0.50 U	ug/L					
HW33b-P	Butylbenzene	0.50 U	ug/L					
HW33	Butylbenzene, sec-	0.50 U	ug/L					
HW33b-P	Butylbenzene, sec-	0.50 U	ug/L					
HW33	Butylbenzene, tert-	0.50 U	ug/L					
HW33b-P	Butylbenzene, tert-	0.50 U	ug/L					
HW33	Carbon disulfide	0.50 U	ug/L					
HW33b-P	Carbon disulfide	0.50 U	ug/L					
HW33	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
HW33b-P	Carbon Tetrachloride	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW33	Chlorobenzene	0.50 U	ug/L		100.00 ug/L			
HW33b-P	Chlorobenzene	0.50 U	ug/L		100.00 ug/L			
HW33	Chlorobromomethane	0.50 U	ug/L					
HW33b-P	Chlorobromomethane	0.50 U	ug/L					
HW33	Chloroethane	0.50 U	ug/L					
HW33b-P	Chloroethane	0.50 U	ug/L					
HW33	Chloroform	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW33b-P	Chloroform	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW33	Chlorotoluene	0.50 U	ug/L	180.00 ug/L				
HW33b-P	Chlorotoluene	0.50 U	ug/L	180.00 ug/L				
HW33	Chlorotoluene-p	0.50 U	ug/L	190.00 ug/L				
HW33b-P	Chlorotoluene-p	0.50 U	ug/L	190.00 ug/L				
HW33	Cyclohexane	0.50 UJ	ug/L					
HW33b-P	Cyclohexane	0.50 UJ	ug/L					
HW33	Dibromochloromethane	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW33b-P	Dibromochloromethane	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW33	Dibromoethane-1,2	0.50 U	ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW33b-P	Dibromoethane-1,2	0.50 U	ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW33	Dibromomethane	0.50 U	ug/L					
HW33b-P	Dibromomethane	0.50 U	ug/L					
HW33	Dichlorobenzene-1,2	0.50 U	ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW33b-P	Dichlorobenzene-1,2	0.50 U	ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW33	Dichlorobenzene-1,3	0.50 U	ug/L					
HW33b-P	Dichlorobenzene-1,3	0.50 U	ug/L					
HW33	Dichlorobenzene-1,4	0.50 U	ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW33b-P	Dichlorobenzene-1,4	0.50 U	ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW33	Dichlorobromomethane	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW33b-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
HW33	Dichlorodifluoromethane	0.50 U	ug/L					
HW33b-P	Dichlorodifluoromethane	0.50 U	ug/L					
HW33	Dichloroethane-1,1	0.50 U	ug/L	240.00 ug/L				
HW33b-P	Dichloroethane-1,1	0.50 U	ug/L	240.00 ug/L				
HW33	Dichloroethane-1,2	0.50 U	ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW33b-P	Dichloroethane-1,2	0.50 U	ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW33	Dichloroethene-1,2 trans	0.50 U	ug/L		100.00 ug/L		100.00 ug/L	
HW33b-P	Dichloroethene-1,2 trans	0.50 U	ug/L		100.00 ug/L		100.00 ug/L	
HW33	Dichloroethylene-1,1	0.50 U	ug/L		7.00 ug/L		7.00 ug/L	
HW33b-P	Dichloroethylene-1,1	0.50 U	ug/L		7.00 ug/L		7.00 ug/L	
HW33	Dichloroethylene-1,2 cis	0.50 U	ug/L		70.00 ug/L		70.00 ug/L	
HW33b-P	Dichloroethylene-1,2 cis	0.50 U	ug/L		70.00 ug/L		70.00 ug/L	
HW33	Dichloropropane, 1,2-	0.50 U	ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW33b-P	Dichloropropane, 1,2-	0.50 U	ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW33	Dichloropropane, 1,3-	0.50 U	ug/L	290.00 ug/L				
HW33b-P	Dichloropropane, 1,3-	0.50 U	ug/L	290.00 ug/L				
HW33	Dichloropropane, 2,2-	0.50 U	ug/L					
HW33b-P	Dichloropropane, 2,2-	0.50 U	ug/L					
HW33	Dichloropropene, 1,1-	0.50 U	ug/L					
HW33b-P	Dichloropropene, 1,1-	0.50 U	ug/L					
HW33	Dichloropropene, 1,3 cis-	0.50 U	ug/L					
HW33b-P	Dichloropropene, 1,3 cis-	0.50 U	ug/L					
HW33	Dichloropropene, 1,3 trans-	0.50 U	ug/L					
HW33b-P	Dichloropropene, 1,3 trans-	0.50 U	ug/L					
HW33	Ethylbenzene	0.50 U	ug/L		700.00 ug/L		700.00 ug/L	
HW33b-P	Ethylbenzene	0.50 U	ug/L		700.00 ug/L		700.00 ug/L	
HW33	Freon 113	0.50 UJ	ug/L					
HW33b-P	Freon 113	0.50 UJ	ug/L					
HW33	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
HW33b-P	Hexanone, 2-	2.00 U	ug/L	34.00 ug/L				
HW33	Isopropylbenzene	0.50 U	ug/L					
HW33b-P	Isopropylbenzene	0.50 U	ug/L					
HW33	Isopropylbenzene-4,methyl-1	0.50 U	ug/L					
HW33b-P	Isopropylbenzene-4,methyl-1	0.50 U	ug/L					
HW33	m,p-Xylene	1.00 U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW33b-P	m,p-Xylene	1.00 U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW33	Methyl acetate	1.00 UJ	ug/L					
HW33b-P	Methyl acetate	1.00 UJ	ug/L					
HW33	Methyl bromide	0.50 U	ug/L					
HW33b-P	Methyl bromide	0.50 U	ug/L					
HW33	Methyl chloride	0.50 U	ug/L					
HW33b-P	Methyl chloride	0.50 U	ug/L					
HW33	Methyl cyclohexane	0.50 UJ	ug/L					
HW33b-P	Methyl cyclohexane	0.50 UJ	ug/L					
HW33	Methyl ethyl ketone	2.00 U	ug/L	4,900.00 ug/L				
HW33b-P	Methyl ethyl ketone	2.00 U	ug/L	4,900.00 ug/L				
HW33	Methyl tertiary butyl ether (MTBE)	0.50 UJ	ug/L					
HW33b-P	Methyl tertiary butyl ether (MTBE)	0.50 UJ	ug/L					
HW33	Methylene chloride	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW33b-P	Methylene chloride	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW33	Propylbenzene-n	0.50 U	ug/L					
HW33b-P	Propylbenzene-n	0.50 U	ug/L					
HW33	Styrene	1.00 U	ug/L		100.00 ug/L		100.00 ug/L	
HW33b-P	Styrene	1.00 U	ug/L		100.00 ug/L		100.00 ug/L	
HW33	Tetrachloroethane, 1,1,1,2-	0.50 U	ug/L	50.00 ug/L				
HW33b-P	Tetrachloroethane, 1,1,1,2-	0.50 U	ug/L	50.00 ug/L				
HW33	Tetrachloroethane, 1,1,2,2-	0.50 U	ug/L	6.60 ug/L				
HW33b-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
HW33	Tetrachloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW33b-P	Tetrachloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW33	Toluene	0.50 U	ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW33b-P	Toluene	0.50 U	ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW33	Trichlorobenzene-1,2,3	0.50 U	ug/L	5.20 ug/L				
HW33b-P	Trichlorobenzene-1,2,3	0.50 U	ug/L	5.20 ug/L				
HW33	Trichlorobenzene-1,2,4	0.50 U	ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW33b-P	Trichlorobenzene-1,2,4	0.50 U	ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW33	Trichloroethane-1,1,1	0.50 U	ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW33b-P	Trichloroethane-1,1,1	0.50 U	ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW33	Trichloroethane-1,1,2	0.50 U	ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW33b-P	Trichloroethane-1,1,2	0.50 U	ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW33	Trichloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW33b-P	Trichloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW33	Trichlorofluoromethane	0.50 U	ug/L					
HW33b-P	Trichlorofluoromethane	0.50 U	ug/L					
HW33	Trichloropropane-1,2,3	0.50 U	ug/L	0.07 ug/L				
HW33b-P	Trichloropropane-1,2,3	0.50 U	ug/L	0.07 ug/L				
HW33	Trimethylbenzene-1,2,4	0.50 U	ug/L	15.00 ug/L				
HW33b-P	Trimethylbenzene-1,2,4	0.50 U	ug/L	15.00 ug/L				
HW33	Trimethylbenzene-1,3,5	0.50 U	ug/L	87.00 ug/L				
HW33b-P	Trimethylbenzene-1,3,5	0.50 U	ug/L	87.00 ug/L				
HW33	Vinyl acetate	0.50 U	ug/L					
HW33b-P	Vinyl acetate	0.50 U	ug/L					
HW33	Vinyl chloride	0.50 U	ug/L		2.00 ug/L		2.00 ug/L	
HW33b-P	Vinyl chloride	0.50 U	ug/L		2.00 ug/L		2.00 ug/L	
HW33	Xylene-o	1.00 U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW33b-P	Xylene-o	1.00 U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW33	Nitrogen, Nitrite + Nitrate	0.99	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
HW33b-P	Nitrogen, Nitrite + Nitrate	1.04	mg/L		10.00 mg/L		10.00 mg/L	
HW33	Total Nitrogen	1.53	mg/L					
HW33b-P	Total Nitrogen	1.26	mg/L					
HW33	Total Phosphorus as P	0.05 U	mg/L					
HW33b-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.