HW-57
EPA Validated Data Summary Report
Dimock Residential Sampling
Sample Date: 2/14/2012

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW57	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW57-P	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW57	1-Propanol	10,000.00	U	ug/L						
HW57-P	1-Propanol	10,000.00	U	ug/L						
HW57	2-Butanol	10,000.00	U	ug/L						
HW57-P	2-Butanol	10,000.00	U	ug/L						
HW57	Ethanol	10,000.00	U	ug/L						
HW57-P	Ethanol	10,000.00	U	ug/L						
HW57	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW57-P	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW57	Anionic Surfactants	0.01	U	mg/L						
HW57-P	Anionic Surfactants	0.01	U	mg/L						
HW57	Heterotrophic Plate Count		R	cfu/1mL						
HW57-P	Heterotrophic Plate Count		R	cfu/1mL						
HW57	Total Coliform Bacteria	1.00	UJ	cfu/100mL	0.00	cfu/100mL	5.00 %*			
HW57-P	Total Coliform Bacteria	1.00	UJ	cfu/100mL	0.00	cfu/100mL	5.00 %*			
HW57	Ethane	1.20	U	ug/L						
HW57-P	Ethane	1.20	U	ug/L						
HW57	Ethene	1.10	U	ug/L						
HW57-P	Ethene	1.10	U	ug/L						
HW57	Methane	1.20	U	ug/L	28,000.00	ug/L				
HW57-P	Methane	2.70		ug/L	28,000.00	ug/L				
HW57	2-Butoxyethanol	5.00	U	ug/L						
HW57-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	
HW57	2-Methoxyethanol		R	ug/l	78.00	ug/L								
HW57	2-Methoxyethanol	10.00	U	ug/L	78.00	ug/L								
HW57-P	2-Methoxyethanol		R	ug/l	78.00	ug/L								
HW57-P	2-Methoxyethanol	10.00	U	ug/L	78.00	ug/L								
HW57	Diethylene Glycol	25.00	U	ug/L	8,000.00	ug/L								
HW57-P	Diethylene Glycol	25.00	U	ug/L	8,000.00	ug/L								
HW57	Ethylene Glycol	10.00	U	mg/L	31,000.00	ug/L								
HW57-P	Ethylene Glycol	10.00	U	mg/L	31,000.00	ug/L								
HW57	Tetraethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW57-P	Tetraethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW57	Triethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW57-P	Triethylene glycol	25.00	U	ug/L	8,000.00	ug/L								
HW57	Bromide	0.50	U	mg/L										
HW57-P	Bromide	0.50	U	mg/L										
HW57	Chloride	1.78		mg/L					250.00	mg/L			250.00	mg/L
HW57-P	Chloride	1.54		mg/L					250.00	mg/L			250.00	mg/L
HW57	Fluoride	0.10	U	mg/L	0.62	mg/L	4.00	mg/L	2.00	mg/L	2.00	mg/L		
HW57-P	Fluoride	0.10	U	mg/L	0.62	mg/L	4.00	mg/L	2.00	mg/L	2.00	mg/L		
HW57	Sulfate	7.79		mg/L					250.00	mg/L			250.00	mg/L
HW57-P	Sulfate	8.38		mg/L					250.00	mg/L			250.00	mg/L
HW57	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW57-F	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW57-P	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW57-PF	Mercury	0.20	U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW57	Aluminum	1,630.00		ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW57-F	Aluminum	30.00	U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW57-P	Aluminum	30.00	U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW57-PF	Aluminum	85.00		ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW57	Antimony	2.00	U	ug/L	6.00	ug/L	6.00	ug/L			6.00	ug/L		

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs		EPA Secondary MCLs	DEP Primary MCLs		DEP Secondary MCLs
HW57-F	Antimony	2.00	U	ug/L	6.00	ug/L	6.00	ug/L		6.00	ug/L	
HW57-P	Antimony	2.00	U	ug/L	6.00	ug/L	6.00	ug/L		6.00	ug/L	
HW57-PF	Antimony	2.00	U	ug/L	6.00	ug/L	6.00	ug/L		6.00	ug/L	
HW57	Arsenic	**5.80**		ug/L	4.50	ug/L	10.00	ug/L		10.00	ug/L	
HW57-F	Arsenic	1.00	U	ug/L	4.50	ug/L	10.00	ug/L		10.00	ug/L	
HW57-P	Arsenic	1.00	U	ug/L	4.50	ug/L	10.00	ug/L		10.00	ug/L	
HW57-PF	Arsenic	1.00	U	ug/L	4.50	ug/L	10.00	ug/L		10.00	ug/L	
HW57	Barium	123.00		ug/L	2,900.00	ug/L	2,000.00	ug/L		2,000.00	ug/L	
HW57-F	Barium	82.20		ug/L	2,900.00	ug/L	2,000.00	ug/L		2,000.00	ug/L	
HW57-P	Barium	99.00		ug/L	2,900.00	ug/L	2,000.00	ug/L		2,000.00	ug/L	
HW57-PF	Barium	102.00		ug/L	2,900.00	ug/L	2,000.00	ug/L		2,000.00	ug/L	
HW57	Beryllium	1.00	U	ug/L	16.00	ug/L	4.00	ug/L		4.00	ug/L	
HW57-F	Beryllium	1.00	U	ug/L	16.00	ug/L	4.00	ug/L		4.00	ug/L	
HW57-P	Beryllium	1.00	U	ug/L	16.00	ug/L	4.00	ug/L		4.00	ug/L	
HW57-PF	Beryllium	1.00	U	ug/L	16.00	ug/L	4.00	ug/L		4.00	ug/L	
HW57	Boron	50.00	U	ug/L	3,100.00	ug/L						
HW57-F	Boron	50.00	U	ug/L	3,100.00	ug/L						
HW57-P	Boron	50.00	U	ug/L	3,100.00	ug/L						
HW57-PF	Boron	50.00	U	ug/L	3,100.00	ug/L						
HW57	Cadmium	1.00	U	ug/L	6.90	ug/L	5.00	ug/L		5.00	ug/L	
HW57-F	Cadmium	1.00	U	ug/L	6.90	ug/L	5.00	ug/L		5.00	ug/L	
HW57-P	Cadmium	1.00	U	ug/L	6.90	ug/L	5.00	ug/L		5.00	ug/L	
HW57-PF	Cadmium	2.90		ug/L	6.90	ug/L	5.00	ug/L		5.00	ug/L	
HW57	Calcium	21,800.00		ug/L								
HW57-F	Calcium	21,300.00		ug/L								
HW57-P	Calcium	27,500.00		ug/L								
HW57-PF	Calcium	28,000.00		ug/L								
HW57	Chromium	2.00	U	ug/L	3.10	ug/L	100.00	ug/L		100.00	ug/L	
HW57-F	Chromium	2.00	U	ug/L	3.10	ug/L	100.00	ug/L		100.00	ug/L	

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs		EPA Secondary MCLs		DEP Primary MCLs		DEP Secondary MCLs	
HW57-P	Chromium	2.00	U	ug/L	3.10	ug/L	100.00	ug/L			100.00	ug/L		
HW57-PF	Chromium	2.00	U	ug/L	3.10	ug/L	100.00	ug/L			100.00	ug/L		
HW57	Cobalt	1.00	U	ug/L	4.70	ug/L								
HW57-F	Cobalt	1.00	U	ug/L	4.70	ug/L								
HW57-P	Cobalt	1.00	U	ug/L	4.70	ug/L								
HW57-PF	Cobalt	1.00	U	ug/L	4.70	ug/L								
HW57	Copper	19.30		ug/L	620.00	ug/L	1,300.00	ug/L**	1,000.00	ug/L	1,000.00	ug/L***		
HW57-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***		
HW57-P	Copper	24.30		ug/L	620.00	ug/L	1,300.00	ug/L**	1,000.00	ug/L	1,000.00	ug/L***		
HW57-PF	Copper	24.20		ug/L	620.00	ug/L	1,300.00	ug/L**	1,000.00	ug/L	1,000.00	ug/L***		
HW57	Iron	**11,200.00**		ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW57-F	Iron	100.00	U	ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW57-P	Iron	100.00	U	ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW57-PF	Iron	100.00	U	ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW57	Lead	3.50		ug/L	15.00	ug/L	15.00	ug/L**			5.00	ug/L***		
HW57-F	Lead	1.00	U	ug/L	15.00	ug/L	15.00	ug/L**			5.00	ug/L***		
HW57-P	Lead	1.00	U	ug/L	15.00	ug/L	15.00	ug/L**			5.00	ug/L***		
HW57-PF	Lead	1.00	U	ug/L	15.00	ug/L	15.00	ug/L**			5.00	ug/L***		
HW57	Lithium	200.00	U	ug/L	31.00	ug/L								
HW57-F	Lithium	200.00	U	ug/L	31.00	ug/L								
HW57-P	Lithium	200.00	U	ug/L	31.00	ug/L								
HW57-PF	Lithium	200.00	U	ug/L	31.00	ug/L								
HW57	Magnesium	4,690.00		ug/L										
HW57-F	Magnesium	4,370.00		ug/L										
HW57-P	Magnesium	5,590.00		ug/L										
HW57-PF	Magnesium	5,710.00		ug/L										
HW57	Manganese	131.00		ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW57-F	Manganese	10.20		ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW57-P	Manganese	9.10		ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs		EPA Secondary MCLs		DEP Primary MCLs		DEP Secondary MCLs	
HW57-PF	Manganese	10.20		ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW57	Nickel	3.20		ug/L	300.00	ug/L								
HW57-F	Nickel	1.20		ug/L	300.00	ug/L								
HW57-P	Nickel	1.20		ug/L	300.00	ug/L								
HW57-PF	Nickel	1.30		ug/L	300.00	ug/L								
HW57	Potassium	2,000.00	U	ug/L										
HW57-F	Potassium	2,000.00	U	ug/L										
HW57-P	Potassium	2,000.00	U	ug/L										
HW57-PF	Potassium	2,000.00	U	ug/L										
HW57	Selenium	5.00	U	ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW57-F	Selenium	5.00	U	ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW57-P	Selenium	5.00	U	ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW57-PF	Selenium	5.00	U	ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW57	Silver	1.00	U	ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW57-F	Silver	1.00	U	ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW57-P	Silver	1.00	U	ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW57-PF	Silver	1.00	U	ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW57	Sodium	6,130.00		ug/L	20,000.00	ug/L								
HW57-F	Sodium	6,070.00		ug/L	20,000.00	ug/L								
HW57-P	Sodium	7,980.00		ug/L	20,000.00	ug/L								
HW57-PF	Sodium	8,100.00		ug/L	20,000.00	ug/L								
HW57	Strontium	200.00	U	ug/L	9,300.00	ug/L								
HW57-F	Strontium	200.00	U	ug/L	9,300.00	ug/L								
HW57-P	Strontium	200.00		ug/L	9,300.00	ug/L								
HW57-PF	Strontium	200.00	U	ug/L	9,300.00	ug/L								
HW57	Thallium	1.00	U	ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW57-F	Thallium	1.00	U	ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW57-P	Thallium	1.00	U	ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW57-PF	Thallium	1.00	U	ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs		EPA Secondary MCLs		DEP Primary MCLs		DEP Secondary MCLs	
HW57	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW57-F	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW57-P	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW57-PF	Tin	200.00	U	ug/L	9,300.00	ug/L								
HW57	Titanium	200.00	U	ug/L										
HW57-F	Titanium	200.00	U	ug/L										
HW57-P	Titanium	200.00	U	ug/L										
HW57-PF	Titanium	200.00	U	ug/L										
HW57	Uranium	3.40		ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW57-F	Uranium	1.20		ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW57-P	Uranium	2.60		ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW57-PF	Uranium	2.70		ug/L	47.00	ug/L	30.00	ug/L			30.00	ug/L		
HW57	Vanadium	5.00	U	ug/L	78.00	ug/L								
HW57-F	Vanadium	5.00	U	ug/L	78.00	ug/L								
HW57-P	Vanadium	5.00	U	ug/L	78.00	ug/L								
HW57-PF	Vanadium	5.00	U	ug/L	78.00	ug/L								
HW57	Zinc	9.70		ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW57-F	Zinc	2.00	U	ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW57-P	Zinc	5.10		ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW57-PF	Zinc	5.10		ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW57	Oil and Grease	5.50	UJ	mg/L										
HW57-P	Oil and Grease	5.30	UJ	mg/L										
HW57	Total Dissolved Solids	97.00		mg/L					500.00	mg/L			500.00	mg/L
HW57-P	Total Dissolved Solids	46.00		mg/L					500.00	mg/L			500.00	mg/L
HW57	Total Suspended Solids	69.00		mg/L										
HW57-P	Total Suspended Solids	10.00	U	mg/L										
HW57	1-Methylnaphthalene		R	ug/l	97.00	ug/L								
HW57-P	1-Methylnaphthalene	4.76	U	ug/l	97.00	ug/L								
HW57	Acenaphthene		R	ug/l	400.00	ug/L								

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs		EPA Secondary MCLs	DEP Primary MCLs		DEP Secondary MCLs
HW57-P	Acenaphthene	4.76	U	ug/l	400.00	ug/L						
HW57	Acenaphthylene		R	ug/l								
HW57-P	Acenaphthylene	4.76	U	ug/l								
HW57	Acetophenone		R	ug/l	1,500.00	ug/L						
HW57-P	Acetophenone	4.76	U	ug/l	1,500.00	ug/L						
HW57	Anthracene	5.00	U	ug/l	1,300.00	ug/L						
HW57-P	Anthracene	4.76	U	ug/l	1,300.00	ug/L						
HW57	Atrazine	60.00	U	ug/l	26.00	ug/L	3.00	ug/L		3.00	ug/L	
HW57-P	Atrazine	57.10	U	ug/l	26.00	ug/L	3.00	ug/L		3.00	ug/L	
HW57	Benzo(a)anthracene		R	ug/l	2.90	ug/L						
HW57-P	Benzo(a)anthracene	4.76	U	ug/l	2.90	ug/L						
HW57	Benzo(a)pyrene		R	ug/l	0.29	ug/L	0.20	ug/L		0.20	ug/L	
HW57-P	Benzo(a)pyrene	4.76	U	ug/l	0.29	ug/L	0.20	ug/L		0.20	ug/L	
HW57	Biphenyl		R	ug/l								
HW57-P	Biphenyl	4.76	U	ug/l								
HW57	Bromophenyl-4 Phenyl Ether	5.00	U	ug/l								
HW57-P	Bromophenyl-4 Phenyl Ether	4.76	U	ug/l								
HW57	Butylbenzyl phthalate		R	ug/l	1,400.00	ug/L						
HW57-P	Butylbenzyl phthalate	4.76	U	ug/l	1,400.00	ug/L						
HW57	Caprolactam		R	ug/l	7,700.00	ug/L						
HW57-P	Caprolactam	4.76	U	ug/l	7,700.00	ug/L						
HW57	Carbazole	5.00	U	ug/l								
HW57-P	Carbazole	4.76	U	ug/l								
HW57	Chlorobenzenamine-4		R	ug/l	3.20	ug/L						
HW57-P	Chlorobenzenamine-4		R	ug/l	3.20	ug/L						
HW57	Chloronaphthalene-2		R	ug/l	550.00	ug/L						
HW57-P	Chloronaphthalene-2	4.76	U	ug/l	550.00	ug/L						
HW57	Chlorophenol-2		R	ug/l	71.00	ug/L						
HW57-P	Chlorophenol-2	4.76	U	ug/l	71.00	ug/L						

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW57	Chlorophenyl-4 phenyl ether		R	ug/l						
HW57-P	Chlorophenyl-4 phenyl ether	4.76	U	ug/l						
HW57	Chrysene		R	ug/l	290.00	ug/L				
HW57-P	Chrysene	4.76	U	ug/l	290.00	ug/L				
HW57	Cresol, parachloro meta-		R	ug/l						
HW57-P	Cresol, parachloro meta-	4.76	U	ug/l						
HW57	Cresol-4,6-dinitro-ortho	60.00	UJ	ug/l						
HW57-P	Cresol-4,6-dinitro-ortho	57.10	UJ	ug/l						
HW57	Cresol-o		R	ug/l	720.00	ug/L				
HW57-P	Cresol-o	4.76	U	ug/l	720.00	ug/L				
HW57	Cresol-p		R	ug/l	72.00	ug/L				
HW57-P	Cresol-p	4.76	U	ug/l	72.00	ug/L				
HW57	Dibenz(a,h)anthracene		R	ug/l	0.29	ug/L				
HW57-P	Dibenz(a,h)anthracene	4.76	U	ug/l	0.29	ug/L				
HW57	Dibenzofuran		R	ug/l						
HW57-P	Dibenzofuran	4.76	U	ug/l						
HW57	Dichlorobenzidine-3,3'		R	ug/l	11.00	ug/L				
HW57-P	Dichlorobenzidine-3,3'		R	ug/l	11.00	ug/L				
HW57	Dichlorophenol-2,4		R	ug/l	35.00	ug/L				
HW57-P	Dichlorophenol-2,4	4.76	U	ug/l	35.00	ug/L				
HW57	Dimethylphenol, 2,4-		R	ug/l	270.00	ug/L				
HW57-P	Dimethylphenol, 2,4-	4.76	U	ug/l	270.00	ug/L				
HW57	Dinitrophenol-2,4		R	ug/l	30.00	ug/L				
HW57-P	Dinitrophenol-2,4	57.10	U	ug/l	30.00	ug/L				
HW57	Dinitrotoluene-2,4		R	ug/l						
HW57-P	Dinitrotoluene-2,4	4.76	U	ug/l						
HW57	Dinitrotoluene-2,6		R	ug/l						
HW57-P	Dinitrotoluene-2,6	4.76	U	ug/l						
HW57	Ether, bis(2-chloroethyl)		R	ug/l	1.20	ug/L				

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs		EPA Secondary MCLs	DEP Primary MCLs		DEP Secondary MCLs
HW57-P	Ether, bis(2-chloroethyl)	4.76	U	ug/l	1.20	ug/L						
HW57	Ether-bis(2-chloroisopropyl)		R	ug/l								
HW57-P	Ether-bis(2-chloroisopropyl)	4.76	U	ug/l								
HW57	Fluoranthene	5.00	U	ug/l	630.00	ug/L						
HW57-P	Fluoranthene	4.76	U	ug/l	630.00	ug/L						
HW57	Fluoranthene benzo(k)		R	ug/l	29.00	ug/L						
HW57-P	Fluoranthene benzo(k)	4.76	U	ug/l	29.00	ug/L						
HW57	Fluoranthene-benzo(b)		R	ug/l	5.60	ug/L						
HW57-P	Fluoranthene-benzo(b)	4.76	U	ug/l	5.60	ug/L						
HW57	Fluorene		R	ug/l	220.00	ug/L						
HW57-P	Fluorene	4.76	U	ug/l	220.00	ug/L						
HW57	Hexachlorobenzene	5.00	U	ug/l	4.20	ug/L	1.00	ug/L		1.00	ug/L	
HW57-P	Hexachlorobenzene	4.76	U	ug/l	4.20	ug/L	1.00	ug/L		1.00	ug/L	
HW57	Hexachlorobutadiene	0.50	U	ug/l	26.00	ug/L						
HW57	Hexachlorobutadiene		R	ug/l	26.00	ug/L						
HW57-P	Hexachlorobutadiene	4.76	U	ug/l	26.00	ug/L						
HW57-P	Hexachlorobutadiene	0.50	U	ug/l	26.00	ug/L						
HW57	Hexachlorocyclopentadiene		R	ug/l	22.00	ug/L	50.00	ug/L		50.00	ug/L	
HW57-P	Hexachlorocyclopentadiene	4.76	U	ug/l	22.00	ug/L	50.00	ug/L		50.00	ug/L	
HW57	Hexachloroethane		R	ug/l	5.10	ug/L						
HW57-P	Hexachloroethane	4.76	U	ug/l	5.10	ug/L						
HW57	Isophorone		R	ug/l	6,700.00	ug/L						
HW57-P	Isophorone	4.76	U	ug/l	6,700.00	ug/L						
HW57	Methane, bis(2-chloroethoxy)		R	ug/l	47.00	ug/L						
HW57-P	Methane, bis(2-chloroethoxy)	4.76	U	ug/l	47.00	ug/L						
HW57	Methylnaphthalene-2		R	ug/l	27.00	ug/L						
HW57-P	Methylnaphthalene-2	4.76	U	ug/l	27.00	ug/L						
HW57	Naphthalene		R	ug/l	14.00	ug/L						
HW57	Naphthalene	0.50	U	ug/l	14.00	ug/L						

Sample Number	Analyte	Result			Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW57-P	Naphthalene	4.76	U	ug/l	14.00 ug/L				
HW57-P	Naphthalene	0.50	U	ug/l	14.00 ug/L				
HW57	Nitroaniline, ortho		R	ug/l	150.00 ug/L				
HW57-P	Nitroaniline, ortho	4.76	U	ug/l	150.00 ug/L				
HW57	Nitroaniline-3		R	ug/l					
HW57-P	Nitroaniline-3		R	ug/l					
HW57	Nitrobenzenamine-4		R	ug/l	61.00 ug/L				
HW57-P	Nitrobenzenamine-4	4.76	U	ug/l	61.00 ug/L				
HW57	Nitrobenzene		R	ug/l	12.00 ug/L				
HW57-P	Nitrobenzene	4.76	U	ug/l	12.00 ug/L				
HW57	Nitrophenol-2		R	ug/l					
HW57-P	Nitrophenol-2	4.76	U	ug/l					
HW57	Nitrophenol-4		R	ug/l					
HW57-P	Nitrophenol-4	9.52	U	ug/l					
HW57	Nitrosodimethylamine-n		R	ug/l	0.04 ug/L				
HW57-P	Nitrosodimethylamine-n	4.76	U	ug/l	0.04 ug/L				
HW57	Nitrosodiphenylamine-n	5.00	U	ug/l	1,000.00 ug/L				
HW57-P	Nitrosodiphenylamine-n	4.76	U	ug/l	1,000.00 ug/L				
HW57	Pentachlorophenol	5.00	U	ug/l	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW57-P	Pentachlorophenol	4.76	U	ug/l	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW57	Perylene-benzo(ghi)		R	ug/l					
HW57-P	Perylene-benzo(ghi)	4.76	U	ug/l					
HW57	Phenanthrene	5.00	U	ug/l					
HW57-P	Phenanthrene	4.76	U	ug/l					
HW57	Phenol		R	ug/l	4,500.00 ug/L				
HW57-P	Phenol	4.76	U	ug/l	4,500.00 ug/L				
HW57	Phthalate, bis(2-ethylhexyl) (DEHP)	3.45	J	ug/l	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW57-P	Phthalate, bis(2-ethylhexyl) (DEHP)	4.76	U	ug/l	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW57	Phthalate, Dimethyl		R	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	
HW57-P	Phthalate, Dimethyl	4.76	U	ug/l	1,400.00	ug/L								
HW57	Phthalate, di-n-butyl-	5.00	U	ug/l	670.00	ug/L								
HW57-P	Phthalate, di-n-butyl-	4.76	U	ug/l	670.00	ug/L								
HW57	Phthalate, di-n-octyl		R	ug/l										
HW57-P	Phthalate, di-n-octyl	4.76	U	ug/l										
HW57	Phthalate-diethyl	5.00	U	ug/l	11,000.00	ug/L								
HW57-P	Phthalate-diethyl	4.76	U	ug/l	11,000.00	ug/L								
HW57	Propylamine,n-nitroso di-n-		R	ug/l	0.93	ug/L								
HW57-P	Propylamine,n-nitroso di-n-	4.76	U	ug/l	0.93	ug/L								
HW57	Pyrene		R	ug/l	87.00	ug/L								
HW57-P	Pyrene	4.76	U	ug/l	87.00	ug/L								
HW57	Pyrene-indeno(1,2,3-cd)		R	ug/l	3.00	ug/L								
HW57-P	Pyrene-indeno(1,2,3-cd)	4.76	U	ug/l	3.00	ug/L								
HW57	Tetrachlorobenzene, 1,2,4,5-		R	ug/l	1.20	ug/L								
HW57-P	Tetrachlorobenzene, 1,2,4,5-	4.76	U	ug/l	1.20	ug/L								
HW57	Tetrachlorophenol, 2,3,4,6-		R	ug/l	170.00	ug/L								
HW57-P	Tetrachlorophenol, 2,3,4,6-	4.76	U	ug/l	170.00	ug/L								
HW57	Trichlorophenol-2,4,5		R	ug/l	890.00	ug/L								
HW57-P	Trichlorophenol-2,4,5	4.76	U	ug/l	890.00	ug/L								
HW57	Trichlorophenol-2,4,6		R	ug/l	9.04	ug/L								
HW57-P	Trichlorophenol-2,4,6	4.76	U	ug/l	9.04	ug/L								
HW57	TPH - Diesel Range Organics	250.00	U	ug/L										
HW57-P	TPH - Diesel Range Organics	250.00	U	ug/L										
HW57	TPH - Gasoline Range Organics	50.00	U	ug/L										
HW57-P	TPH - Gasoline Range Organics	50.00	U	ug/L										
HW57	TPH - Oil Range Organics	1,000.00	U	ug/L										
HW57-P	TPH - Oil Range Organics	1,000.00	U	ug/L										
HW57	1,2-Dibromo-3-chloropropane (DBCP)	2.00	U	ug/l	0.03	ug/L	0.20	ug/L			0.20	ug/L		
HW57-P	1,2-Dibromo-3-chloropropane (DBCP)	2.00	U	ug/l	0.03	ug/L	0.20	ug/L			0.20	ug/L		

Sample Number	Analyte	Result			Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW57	4-Methyl-2-pentanone	2.00	U	ug/l	1,000.00 ug/L				
HW57-P	4-Methyl-2-pentanone	2.00	U	ug/l	1,000.00 ug/L				
HW57	Acetone	2.00	U	ug/l					
HW57-P	Acetone	2.00	U	ug/l					
HW57	Benzene	0.50	U	ug/l		5.00 ug/L		5.00 ug/L	
HW57-P	Benzene	0.50	U	ug/l		5.00 ug/L		5.00 ug/L	
HW57	Bromobenzene	0.50	U	ug/l					
HW57-P	Bromobenzene	0.50	U	ug/l					
HW57	Bromoform	0.50	U	ug/l		80.00 ug/L		80.00 ug/L	
HW57-P	Bromoform	0.50	U	ug/l		80.00 ug/L		80.00 ug/L	
HW57	Butylbenzene	0.50	U	ug/l					
HW57-P	Butylbenzene	0.50	U	ug/l					
HW57	Butylbenzene, sec-	0.50	U	ug/l					
HW57-P	Butylbenzene, sec-	0.50	U	ug/l					
HW57	Butylbenzene, tert-	0.50	U	ug/l					
HW57-P	Butylbenzene, tert-	0.50	U	ug/l					
HW57	Carbon disulfide	0.50	U	ug/l					
HW57-P	Carbon disulfide	0.50	U	ug/l					
HW57	Carbon Tetrachloride	0.50	U	ug/l		5.00 ug/L		5.00 ug/L	
HW57-P	Carbon Tetrachloride	0.50	U	ug/l		5.00 ug/L		5.00 ug/L	
HW57	Chlorobenzene	0.50	U	ug/l		100.00 ug/L			
HW57-P	Chlorobenzene	0.50	U	ug/l		100.00 ug/L			
HW57	Chlorobromomethane	0.50	U	ug/l					
HW57-P	Chlorobromomethane	0.50	U	ug/l					
HW57	Chloroethane	0.50	U	ug/l					
HW57-P	Chloroethane	0.50	U	ug/l					
HW57	Chloroform	0.50	U	ug/l		80.00 ug/L		80.00 ug/L	
HW57-P	Chloroform	0.50	U	ug/l		80.00 ug/L		80.00 ug/L	
HW57	Chlorotoluene	0.50	U	ug/l	180.00 ug/L				

Sample Number	Analyte	Result			Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW57-P	Chlorotoluene	0.50	U	ug/l	180.00 ug/L				
HW57	Chlorotoluene-p	0.50	U	ug/l	190.00 ug/L				
HW57-P	Chlorotoluene-p	0.50	U	ug/l	190.00 ug/L				
HW57	Cyclohexane	0.50	U	ug/l					
HW57-P	Cyclohexane	0.50	U	ug/l					
HW57	Dibromochloromethane	0.50	U	ug/l		80.00 ug/L		80.00 ug/L	
HW57-P	Dibromochloromethane	0.50	U	ug/l		80.00 ug/L		80.00 ug/L	
HW57	Dibromoethane-1,2	0.50	U	ug/l	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW57-P	Dibromoethane-1,2	0.50	U	ug/l	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW57	Dibromomethane	0.50	U	ug/l					
HW57-P	Dibromomethane	0.50	U	ug/l					
HW57	Dichlorobenzene-1,2	0.50	U	ug/l	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW57-P	Dichlorobenzene-1,2	0.50	U	ug/l	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW57	Dichlorobenzene-1,3	0.50	U	ug/l					
HW57-P	Dichlorobenzene-1,3	0.50	U	ug/l					
HW57	Dichlorobenzene-1,4	0.50	U	ug/l	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW57-P	Dichlorobenzene-1,4	0.50	U	ug/l	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW57	Dichlorobromomethane	0.50	U	ug/l		80.00 ug/L		80.00 ug/L	
HW57-P	Dichlorobromomethane	0.50	U	ug/l		80.00 ug/L		80.00 ug/L	
HW57	Dichlorodifluoromethane	0.50	U	ug/l					
HW57-P	Dichlorodifluoromethane	0.50	U	ug/l					
HW57	Dichloroethane-1,1	0.50	U	ug/l	240.00 ug/L				
HW57-P	Dichloroethane-1,1	0.50	U	ug/l	240.00 ug/L				
HW57	Dichloroethane-1,2	0.50	U	ug/l	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW57-P	Dichloroethane-1,2	0.50	U	ug/l	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW57	Dichloroethene-1,2 trans	0.50	U	ug/l		100.00 ug/L		100.00 ug/L	
HW57-P	Dichloroethene-1,2 trans	0.50	U	ug/l		100.00 ug/L		100.00 ug/L	
HW57	Dichloroethylene-1,1	0.50	UJ	ug/l		7.00 ug/L		7.00 ug/L	
HW57-P	Dichloroethylene-1,1	0.50	U	ug/l		7.00 ug/L		7.00 ug/L	

Sample Number	Analyte	Result			Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW57	Dichloroethylene-1,2 cis	0.50	U	ug/l		70.00 ug/L		70.00 ug/L	
HW57-P	Dichloroethylene-1,2 cis	0.50	U	ug/l		70.00 ug/L		70.00 ug/L	
HW57	Dichloropropane, 1,2-	0.50	U	ug/l	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW57-P	Dichloropropane, 1,2-	0.50	U	ug/l	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW57	Dichloropropane, 1,3-	0.50	U	ug/l	290.00 ug/L				
HW57-P	Dichloropropane, 1,3-	0.50	U	ug/l	290.00 ug/L				
HW57	Dichloropropane, 2,2-	0.50	U	ug/l					
HW57-P	Dichloropropane, 2,2-	0.50	U	ug/l					
HW57	Dichloropropene, 1,1-	0.50	U	ug/l					
HW57-P	Dichloropropene, 1,1-	0.50	U	ug/l					
HW57	Dichloropropene, 1,3 cis-	0.50	U	ug/l					
HW57-P	Dichloropropene, 1,3 cis-	0.50	U	ug/l					
HW57	Dichloropropene, 1,3 trans-	0.50	U	ug/l					
HW57-P	Dichloropropene, 1,3 trans-	0.50	U	ug/l					
HW57	Ethylbenzene	0.50	U	ug/l		700.00 ug/L		700.00 ug/L	
HW57-P	Ethylbenzene	0.50	U	ug/l		700.00 ug/L		700.00 ug/L	
HW57	Freon 113	0.50	U	ug/l					
HW57-P	Freon 113	0.50	U	ug/l					
HW57	Hexanone, 2-	2.00	U	ug/l	34.00 ug/L				
HW57-P	Hexanone, 2-	2.00	U	ug/l	34.00 ug/L				
HW57	Isopropylbenzene	0.50	U	ug/l					
HW57-P	Isopropylbenzene	0.50	U	ug/l					
HW57	Isopropylbenzene-4,methyl-1	0.50	U	ug/l					
HW57-P	Isopropylbenzene-4,methyl-1	0.50	U	ug/l					
HW57	m,p-Xylene	1.00	U	ug/l		10,000.00 ug/L		10,000.00 ug/L	
HW57-P	m,p-Xylene	1.00	U	ug/l		10,000.00 ug/L		10,000.00 ug/L	
HW57	Methyl acetate	0.50	U	ug/l					
HW57-P	Methyl acetate	0.50	U	ug/l					
HW57	Methyl bromide	0.50	UJ	ug/l					

Sample Number	Analyte	Result			Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW57-P	Methyl bromide	0.50	U	ug/l					
HW57	Methyl chloride	0.50	U	ug/l					
HW57-P	Methyl chloride	0.50	U	ug/l					
HW57	Methyl cyclohexane	0.50	U	ug/l					
HW57-P	Methyl cyclohexane	0.50	U	ug/l					
HW57	Methyl ethyl ketone	2.00	U	ug/l	4,900.00 ug/L				
HW57-P	Methyl ethyl ketone	2.00	U	ug/l	4,900.00 ug/L				
HW57	Methyl tertiary butyl ether (MTBE)	0.50	U	ug/l					
HW57-P	Methyl tertiary butyl ether (MTBE)	0.50	U	ug/l					
HW57	Methylene chloride	0.50	U	ug/l		5.00 ug/L		5.00 ug/L	
HW57-P	Methylene chloride	0.50	U	ug/l		5.00 ug/L		5.00 ug/L	
HW57	Propylbenzene-n	0.50	U	ug/l					
HW57-P	Propylbenzene-n	0.50	U	ug/l					
HW57	Styrene	1.00	U	ug/l		100.00 ug/L		100.00 ug/L	
HW57-P	Styrene	1.00	U	ug/l		100.00 ug/L		100.00 ug/L	
HW57	Tetrachloroethane, 1,1,1,2-	0.50	U	ug/l	50.00 ug/L				
HW57-P	Tetrachloroethane, 1,1,1,2-	0.50	U	ug/l	50.00 ug/L				
HW57	Tetrachloroethane, 1,1,2,2-	0.50	U	ug/l	6.60 ug/L				
HW57-P	Tetrachloroethane, 1,1,2,2-	0.50	U	ug/l	6.60 ug/L				
HW57	Tetrachloroethylene	0.50	U	ug/l		5.00 ug/L		5.00 ug/L	
HW57-P	Tetrachloroethylene	0.50	U	ug/l		5.00 ug/L		5.00 ug/L	
HW57	Toluene	0.50	U	ug/l		1,000.00 ug/L		1,000.00 ug/L	
HW57-P	Toluene	0.50	U	ug/l		1,000.00 ug/L		1,000.00 ug/L	
HW57	Trichlorobenzene-1,2,3	0.50	U	ug/l	5.20 ug/L				
HW57-P	Trichlorobenzene-1,2,3	0.50	U	ug/l	5.20 ug/L				
HW57	Trichlorobenzene-1,2,4	0.50	U	ug/l	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW57-P	Trichlorobenzene-1,2,4	0.50	U	ug/l	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW57	Trichloroethane-1,1,1	0.50	U	ug/l	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW57-P	Trichloroethane-1,1,1	0.50	U	ug/l	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	

Sample Number	Analyte	Result			Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW57	Trichloroethane-1,1,2	0.50	U	ug/l	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW57-P	Trichloroethane-1,1,2	0.50	U	ug/l	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW57	Trichloroethylene	0.50	U	ug/l		5.00 ug/L		5.00 ug/L	
HW57-P	Trichloroethylene	0.50	U	ug/l		5.00 ug/L		5.00 ug/L	
HW57	Trichlorofluoromethane	0.50	U	ug/l					
HW57-P	Trichlorofluoromethane	0.50	U	ug/l					
HW57	Trichloropropane-1,2,3	0.50	U	ug/l	0.07 ug/L				
HW57-P	Trichloropropane-1,2,3	0.50	U	ug/l	0.07 ug/L				
HW57	Trimethylbenzene-1,2,4	0.50	U	ug/l	15.00 ug/L				
HW57-P	Trimethylbenzene-1,2,4	0.50	U	ug/l	15.00 ug/L				
HW57	Trimethylbenzene-1,3,5	0.50	U	ug/l	87.00 ug/L				
HW57-P	Trimethylbenzene-1,3,5	0.50	U	ug/l	87.00 ug/L				
HW57	Vinyl acetate	0.50	U	ug/l					
HW57-P	Vinyl acetate	0.50	U	ug/l					
HW57	Vinyl chloride	0.50	U	ug/l		2.00 ug/L		2.00 ug/L	
HW57-P	Vinyl chloride	0.50	U	ug/l		2.00 ug/L		2.00 ug/L	
HW57	Xylene-o	1.00	U	ug/l		10,000.00 ug/L		10,000.00 ug/L	
HW57-P	Xylene-o	1.00	U	ug/l		10,000.00 ug/L		10,000.00 ug/L	
HW57	Nitrogen, Nitrite + Nitrate	0.35		mg/L		10.00 mg/L		10.00 mg/L	
HW57-P	Nitrogen, Nitrite + Nitrate	0.27		mg/L		10.00 mg/L		10.00 mg/L	
HW57	Total Nitrogen	1.00	U	mg/L					
HW57-P	Total Nitrogen	1.00	U	mg/L					
HW57	Total Phosphorus as P	0.22		mg/L					
HW57-P	Total Phosphorus as P	0.05	U	mg/L					

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs

Sample Number – Code that is used to identify the particular sample. See additional information below:

HW## – Identifies the sample location and indicates that it was collected at well head or closest point to the well head.

F – Indicates that the sample was filtered following collection. The purpose of filtering the sample is to remove any particulates in order to find what metals are actually dissolved in the water sample.

Z – Identifies a duplicate sample. Duplicate samples are collected for every ten samples collected to test the reproducibility of sampling and analytical procedures.

P – Indicates that the sample was collected at the kitchen tap. In some cases this may be following any treatment that the residence may have.

A/B – Designates which residence the sample was collected for sample locations with multiple residences using the same water source (may be a well or a spring).

RO – Indicated that the sample was collected from a residence containing a reverse osmosis treatment system.

N – Designates that the sample was collected from the new well for locations with multiple wells.

Analyte – General term for a substance in the sample. The lab does testing to find specific analytes, or substance in the water sample. The report lists each analyte that the lab tested for and what amounts were found.

TPH - Total Petroleum Hydrocarbons

Result and Units – identifies the actual result for the particular analyte and the measurement used for the particular type of sample. The results may include the following units for the various water sample analyses:

µg /L – Micrograms per liter (abbreviated as µg /L) measurements of the mass of the substance per liter of water. This measurement is commonly known as parts per billion or ppb. Drinking water results are usually reported in µg /L.

mg/L – Milligrams per liter (abbreviated as mg/L) measurements of the mass of the substance per liter of water. This measurement is commonly known as parts per million or ppm.

cfu/100 mL – Total Coliform Bacteria results are reported as colony forming units (cfu) per milliliters of water. Coliform bacteria is not a health threat in itself; it is used to indicate whether other potentially harmful bacteria may be present.

cfu/1mL – Heterotrophic Plate Count Bacteria (HPC) are reported as colony forming units (cfu) per milliliter of water. HPC has no health effects; it is an analytic method used to measure the variety of bacteria that are common in water. The lower the concentration of bacteria in drinking water, the better maintained the water system is.

Absent or Present – Fecal Coliform Bacteria are reported as either being Absent or Present. Fecal Coliform Bacteria are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Disease-causing microbes (pathogens) in these wastes can cause diarrhea, cramps, nausea, headaches,

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs

Trigger Level – established for this project, the trigger levels are based on risk-based screening levels and/or standards for public water supplies. A yellow highlighted result represents an analytical result greater than the established trigger level. Results exceeding a trigger level are referred to an EPA toxicologist for further review.
EPA Primary MCLs – the primary maximum contaminant levels (MCLs) are legally enforceable standards established under the Safe Drinking Water Act to protect public health by limiting the levels of contaminants in public drinking water systems. The MCL is the amount of an analyte (substance) that can be present in a water sample that the government considers acceptable to drink. EPA considers the MCLs when evaluating results from residential drinking water wells.
EPA Secondary MCLs - secondary MCLs are non-enforceable standards regulating contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. EPA recommends secondary standards to public water systems, but does not require systems to comply. However, states may choose to adopt them as enforceable standards.
DEP MCLs (Primary and Secondary) – Chapter 109, Pennsylvania Safe Drinking Water Regulations, defines MCL as the maximum permissible level of a contaminant in water which is delivered to a user of a public water system, and includes the primary and secondary MCLs established under the Federal Safe Drinking Water Act, and MCLs adopted under the act.

* No more than 5.0% samples total coliform-positive in a month. (For water systems that collect fewer than 40 routine samples per month, no more than one sample can be total coliform-positive per month.) Every sample that has total coliform must be analyzed for either fecal coliforms or E. coli if two consecutive TC-positive samples, and one is also positive for E.coli fecal coliforms, system has an acute MCL violation.
** EPA has not established an MCL for lead or copper. Lead and copper are regulated by a Treatment Technique that requires public drinking water systems to control the corrosiveness of their water. If more than 10% of tap water samples exceed the action level, water system must take additional steps. For lead, the action level is 15 ug/L, and for copper is 1,300 ug/L.
*** The DEP Primary MCLs for lead (5 ug/L) and copper (1,000 ug/L) are applicable only to bottled, vended, retail and bulk water hauling systems, otherwise the DEP uses the federal action levels for lead (15 ug/L), and for copper (1,300 ug/L).

Validation Result Qualifiers - EPA performs a quality check on the lab results. After this quality check, EPA may mark the measurement of certain analytes with a qualifier to give additional information about the measurement. This information can apply to 1) how certain EPA is that the lab detected the analyte and 2) how certain EPA is of the measurement of the analyte once detected. If there is no qualifier by the result, the detection and measurement of the analyte are certain

U – Indicates that the analyte was not detected. If there is a number next to the U, this number is the amount of analyte that would have to be present to be detected by the lab given the particular method and/or instrumentation.
J – This means that the analyte was detected, but the value of the result is an estimate.
UJ - The U before the J means that the analyte was not detected in the sample, but this result may be inaccurate. Some analyte may be present.
R – Indicates that the data has been rejected. For glycol analyses, data with detected concentrations above the Method Detection Limit (MDL) and less than the Reporting Limit (RL) were rejected due to the laboratory not using a second column and/or gas chromatography with mass spectrometry to confirm the identity of the compound listed. For Heterotrophic Plate Count analysis, data were rejected if the laboratory did not run a method blank (i.e. sterility control) for each series of samples plated to determine whether the test samples could have been contaminated during analysis. For semivolatile organic compound analysis, non-detect data have been rejected due to low recoveries of required method quality control checks.
MDL – Is the minimum concentration of a substance that can be measured and reported with 99-percent confidence that the concentration of the substance is greater than zero.
RL – Is the lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions, typically set at the lowest standard in the calibration curve