

HW-63

EPA Validated Data Summary Report

Dimock Residential Sampling

Sample Date: 5/23/2012

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW63	Anionic Surfactants	0.01 U mg/L					
HW63z	Anionic Surfactants	0.01 U mg/L					
HW63	E. coli	1.00 U cfu/100mL					
HW63z	E. coli	1.00 U cfu/100mL					
HW63	Heterotropic Plate Count	300.00 J cfu/mL					
HW63z	Heterotropic Plate Count	410.00 J cfu/mL					
HW63	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW63z	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW63	2-Butoxyethanol	10.00 U ug/L					
HW63z	2-Butoxyethanol	10.00 U ug/L					
HW63	2-Methoxyethanol	10.00 U ug/L	78.00 ug/L				
HW63z	2-Methoxyethanol	10.00 U ug/L	78.00 ug/L				
HW63	Diethylene Glycol	5.00 U ug/L	8,000.00 ug/L				
HW63z	Diethylene Glycol	5.00 U ug/L	8,000.00 ug/L				
HW63	Ethylene glycol	5,000.00 UJ ug/L	31,000.00 ug/L				
HW63z	Ethylene glycol	5,000.00 UJ ug/L	31,000.00 ug/L				
HW63	Propylene glycol	5,000.00 UJ ug/L					
HW63z	Propylene glycol	5,000.00 UJ ug/L					
HW63	Tetraethylene glycol	5.00 U ug/L	8,000.00 ug/L				
HW63z	Tetraethylene glycol	5.00 U ug/L	8,000.00 ug/L				
HW63	Triethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW63z	Triethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW63	Bromide	0.50 U mg/L					
HW63z	Bromide	0.50 U mg/L					

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW63	Chloride	11.90	mg/L			250.00 mg/L		250.00 mg/L
HW63z	Chloride	11.90	mg/L			250.00 mg/L		250.00 mg/L
HW63	Fluoride	0.10 U	mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW63z	Fluoride	0.10 U	mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW63	Sulfate	13.80	mg/L			250.00 mg/L		250.00 mg/L
HW63z	Sulfate	13.80	mg/L			250.00 mg/L		250.00 mg/L
HW63	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW63-F	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW63z	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW63z-F	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW63	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW63-F	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW63z	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW63z-F	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW63	Arsenic	1.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW63-F	Arsenic	1.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW63z	Arsenic	1.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW63z-F	Arsenic	1.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW63	Barium	245.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW63-F	Barium	243.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW63z	Barium	242.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW63z-F	Barium	244.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW63	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW63-F	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW63z	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW63z-F	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW63	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW63-F	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW63z	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
HW63z-F	Boron	50.00	U ug/L	3,100.00 ug/L				
HW63	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW63-F	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW63z	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW63z-F	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW63	Calcium	36,300.00	ug/L					
HW63-F	Calcium	35,900.00	ug/L					
HW63z	Calcium	36,000.00	ug/L					
HW63z-F	Calcium	36,100.00	ug/L					
HW63	Chromium	6.80	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW63-F	Chromium	6.90	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW63z	Chromium	6.80	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW63z-F	Chromium	6.40	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW63	Cobalt	1.00	U ug/L	4.70 ug/L				
HW63-F	Cobalt	1.00	U ug/L	4.70 ug/L				
HW63z	Cobalt	1.00	U ug/L	4.70 ug/L				
HW63z-F	Cobalt	1.00	U ug/L	4.70 ug/L				
HW63	Copper	10.60	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW63-F	Copper	8.80	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW63z	Copper	11.00	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW63z-F	Copper	9.30	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW63	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW63-F	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW63z	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW63z-F	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW63	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW63-F	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW63z	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW63z-F	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW63	Lithium	25.00	U ug/L	31.00 ug/L				
HW63-F	Lithium	25.50	ug/L	31.00 ug/L				
HW63z	Lithium	25.00	U ug/L	31.00 ug/L				
HW63z-F	Lithium	25.80	ug/L	31.00 ug/L				
HW63	Magnesium	7,130.00	ug/L					
HW63-F	Magnesium	7,050.00	ug/L					
HW63z	Magnesium	7,040.00	ug/L					
HW63z-F	Magnesium	7,110.00	ug/L					
HW63	Manganese	25.90	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW63-F	Manganese	25.70	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW63z	Manganese	24.80	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW63z-F	Manganese	25.40	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW63	Nickel	1.30	ug/L	300.00 ug/L				
HW63-F	Nickel	1.30	ug/L	300.00 ug/L				
HW63z	Nickel	1.20	ug/L	300.00 ug/L				
HW63z-F	Nickel	1.20	ug/L	300.00 ug/L				
HW63	Potassium	2,000.00	U ug/L					
HW63-F	Potassium	2,000.00	U ug/L					
HW63z	Potassium	2,000.00	U ug/L					
HW63z-F	Potassium	2,000.00	U ug/L					
HW63	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW63-F	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW63z	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW63z-F	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW63	Sodium	9,660.00	ug/L	20,000.00 ug/L				
HW63-F	Sodium	9,570.00	ug/L	20,000.00 ug/L				
HW63z	Sodium	9,550.00	ug/L	20,000.00 ug/L				
HW63z-F	Sodium	9,640.00	ug/L	20,000.00 ug/L				
HW63	Strontium	1,730.00	ug/L	9,300.00 ug/L				

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW63-F	Strontium	1,710.00	ug/L	9,300.00 ug/L				
HW63z	Strontium	1,720.00	ug/L	9,300.00 ug/L				
HW63z-F	Strontium	1,720.00	ug/L	9,300.00 ug/L				
HW63	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW63-F	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW63z	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW63z-F	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW63	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW63-F	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW63z	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW63z-F	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW63	Titanium	200.00 U	ug/L					
HW63-F	Titanium	200.00 U	ug/L					
HW63z	Titanium	200.00 U	ug/L					
HW63z-F	Titanium	200.00 U	ug/L					
HW63	Uranium	1.20 J	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW63-F	Uranium	1.30 J	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW63z	Uranium	1.20 J	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW63z-F	Uranium	1.30 J	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW63	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW63-F	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW63z	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW63z-F	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW63	Zinc	4.80	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW63-F	Zinc	5.30	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW63z	Zinc	5.20	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW63z-F	Zinc	4.10	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW63	Total Dissolved Solids	159.00	mg/L			500.00 mg/L		500.00 mg/L
HW63z	Total Dissolved Solids	156.00	mg/L			500.00 mg/L		500.00 mg/L

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW63	Total Suspended Solids	10.00 U mg/L					
HW63z	Total Suspended Solids	10.00 U mg/L					
HW63	1-Methylnaphthalene	4.76 U ug/L	97.00 ug/L				
HW63z	1-Methylnaphthalene	4.85 U ug/L	97.00 ug/L				
HW63	Acenaphthene	4.76 U ug/L	400.00 ug/L				
HW63z	Acenaphthene	4.85 U ug/L	400.00 ug/L				
HW63	Acenaphthylene	4.76 U ug/L					
HW63z	Acenaphthylene	4.85 U ug/L					
HW63	Acetophenone	4.76 U ug/L	1,500.00 ug/L				
HW63z	Acetophenone	4.85 U ug/L	1,500.00 ug/L				
HW63	Anthracene	4.76 U ug/L	1,300.00 ug/L				
HW63z	Anthracene	4.85 U ug/L	1,300.00 ug/L				
HW63	Atrazine	4.76 U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW63z	Atrazine	4.85 U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW63	Benzaldehyde	4.76 U ug/L	1,500.00 ug/L				
HW63z	Benzaldehyde	4.85 U ug/L	1,500.00 ug/L				
HW63	Benzo(a)anthracene	4.76 U ug/L	2.90 ug/L				
HW63z	Benzo(a)anthracene	4.85 U ug/L	2.90 ug/L				
HW63	Benzo(a)pyrene	4.76 U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW63z	Benzo(a)pyrene	4.85 U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW63	Biphenyl	4.76 U ug/L					
HW63z	Biphenyl	4.85 U ug/L					
HW63	Bromophenyl-4 Phenyl Ether	4.76 U ug/L					
HW63z	Bromophenyl-4 Phenyl Ether	4.85 U ug/L					
HW63	Butylbenzyl phthalate	4.76 U ug/L	1,400.00 ug/L				
HW63z	Butylbenzyl phthalate	4.85 U ug/L	1,400.00 ug/L				
HW63	Caprolactam	4.76 U ug/L	7,700.00 ug/L				
HW63z	Caprolactam	4.85 U ug/L	7,700.00 ug/L				
HW63	Carbazole	4.76 U ug/L					

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW63z	Carbazole	4.85 U ug/L					
HW63	Chlorobenzenamine-4	4.76 U ug/L	3.20 ug/L				
HW63z	Chlorobenzenamine-4	4.85 U ug/L	3.20 ug/L				
HW63	Chloronaphthalene-2	4.76 U ug/L	550.00 ug/L				
HW63z	Chloronaphthalene-2	4.85 U ug/L	550.00 ug/L				
HW63	Chlorophenol-2	4.76 U ug/L	71.00 ug/L				
HW63z	Chlorophenol-2	4.85 U ug/L	71.00 ug/L				
HW63	Chlorophenyl-4 phenyl ether	4.76 U ug/L					
HW63z	Chlorophenyl-4 phenyl ether	4.85 U ug/L					
HW63	Chrysene	4.76 U ug/L	290.00 ug/L				
HW63z	Chrysene	4.85 U ug/L	290.00 ug/L				
HW63	Cresol, parachloro meta-	4.76 U ug/L					
HW63z	Cresol, parachloro meta-	4.85 U ug/L					
HW63	Cresol-4,6-dinitro-ortho	38.10 U ug/L					
HW63z	Cresol-4,6-dinitro-ortho	38.80 U ug/L					
HW63	Cresol-o	4.76 U ug/L	720.00 ug/L				
HW63z	Cresol-o	4.85 U ug/L	720.00 ug/L				
HW63	Cresol-p	4.76 U ug/L	72.00 ug/L				
HW63z	Cresol-p	4.85 U ug/L	72.00 ug/L				
HW63	Dibenz(a,h)anthracene	4.76 U ug/L	0.29 ug/L				
HW63z	Dibenz(a,h)anthracene	4.85 U ug/L	0.29 ug/L				
HW63	Dibenzofuran	4.76 U ug/L					
HW63z	Dibenzofuran	4.85 U ug/L					
HW63	Dichlorobenzidine-3,3'	4.76 U ug/L	11.00 ug/L				
HW63z	Dichlorobenzidine-3,3'	4.85 U ug/L	11.00 ug/L				
HW63	Dichlorophenol-2,4	4.76 U ug/L	35.00 ug/L				
HW63z	Dichlorophenol-2,4	4.85 U ug/L	35.00 ug/L				
HW63	Dimethylphenol, 2,4-	4.76 U ug/L	270.00 ug/L				
HW63z	Dimethylphenol, 2,4-	4.85 U ug/L	270.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW63	Dinitrophenol-2,4	R ug/L	30.00 ug/L				
HW63z	Dinitrophenol-2,4	R ug/L	30.00 ug/L				
HW63	Dinitrotoluene-2,4	4.76 U ug/L					
HW63z	Dinitrotoluene-2,4	4.85 U ug/L					
HW63	Dinitrotoluene-2,6	4.76 U ug/L					
HW63z	Dinitrotoluene-2,6	4.85 U ug/L					
HW63	Ether, bis(2-chloroethyl)	4.76 U ug/L	1.20 ug/L				
HW63z	Ether, bis(2-chloroethyl)	4.85 U ug/L	1.20 ug/L				
HW63	Ether-bis(2-chloroisopropyl)	4.76 U ug/L					
HW63z	Ether-bis(2-chloroisopropyl)	4.85 U ug/L					
HW63	Fluoranthene	4.76 U ug/L	630.00 ug/L				
HW63z	Fluoranthene	4.85 U ug/L	630.00 ug/L				
HW63	Fluoranthene benzo(k)	4.76 U ug/L	29.00 ug/L				
HW63z	Fluoranthene benzo(k)	4.85 U ug/L	29.00 ug/L				
HW63	Fluoranthene-benzo(b)	4.76 U ug/L	5.60 ug/L				
HW63z	Fluoranthene-benzo(b)	4.85 U ug/L	5.60 ug/L				
HW63	Fluorene	4.76 U ug/L	220.00 ug/L				
HW63z	Fluorene	4.85 U ug/L	220.00 ug/L				
HW63	Hexachlorobenzene	4.76 U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW63z	Hexachlorobenzene	4.85 U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW63	Hexachlorobutadiene	4.76 U ug/L	26.00 ug/L				
HW63	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW63z	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW63z	Hexachlorobutadiene	4.85 U ug/L	26.00 ug/L				
HW63	Hexachlorocyclopentadiene	4.76 U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW63z	Hexachlorocyclopentadiene	4.85 U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW63	Hexachloroethane	4.76 U ug/L	5.10 ug/L				
HW63z	Hexachloroethane	4.85 U ug/L	5.10 ug/L				
HW63	Isophorone	4.76 U ug/L	6,700.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW63z	Isophorone	4.85 U ug/L	6,700.00 ug/L				
HW63	Methane, bis(2-chloroethoxy)	4.76 U ug/L	47.00 ug/L				
HW63z	Methane, bis(2-chloroethoxy)	4.85 U ug/L	47.00 ug/L				
HW63	Methylnaphthalene-2	4.76 U ug/L	27.00 ug/L				
HW63z	Methylnaphthalene-2	4.85 U ug/L	27.00 ug/L				
HW63	Naphthalene	4.76 U ug/L	14.00 ug/L				
HW63	Naphthalene	0.50 U ug/L	14.00 ug/L				
HW63z	Naphthalene	0.50 U ug/L	14.00 ug/L				
HW63z	Naphthalene	4.85 U ug/L	14.00 ug/L				
HW63	Nitroaniline, ortho	4.76 U ug/L	150.00 ug/L				
HW63z	Nitroaniline, ortho	4.85 U ug/L	150.00 ug/L				
HW63	Nitroaniline-3	4.76 U ug/L					
HW63z	Nitroaniline-3	4.85 U ug/L					
HW63	Nitrobenzenamine-4	4.76 U ug/L	61.00 ug/L				
HW63z	Nitrobenzenamine-4	4.85 U ug/L	61.00 ug/L				
HW63	Nitrobenzene	4.76 U ug/L	12.00 ug/L				
HW63z	Nitrobenzene	4.85 U ug/L	12.00 ug/L				
HW63	Nitrophenol-2	4.76 U ug/L					
HW63z	Nitrophenol-2	4.85 U ug/L					
HW63	Nitrophenol-4	9.52 U ug/L					
HW63z	Nitrophenol-4	9.71 U ug/L					
HW63	Nitrosodimethylamine-n	4.76 U ug/L	0.04 ug/L				
HW63z	Nitrosodimethylamine-n	4.85 U ug/L	0.04 ug/L				
HW63	Nitrosodiphenylamine-n	4.76 U ug/L	1,000.00 ug/L				
HW63z	Nitrosodiphenylamine-n	4.85 U ug/L	1,000.00 ug/L				
HW63	Pentachlorophenol	38.10 U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW63z	Pentachlorophenol	38.80 U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW63	Perylene-benzo(ghi)	4.76 U ug/L					
HW63z	Perylene-benzo(ghi)	4.85 U ug/L					

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW63	Phenanthrene	4.76 U ug/L					
HW63z	Phenanthrene	4.85 U ug/L					
HW63	Phenol	4.76 U ug/L	4,500.00 ug/L				
HW63z	Phenol	4.85 U ug/L	4,500.00 ug/L				
HW63	Phthalate, bis(2-ethylhexyl) (DEHP)	4.76 U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW63z	Phthalate, bis(2-ethylhexyl) (DEHP)	4.85 U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW63	Phthalate, Dimethyl	4.76 U ug/L	1,400.00 ug/L				
HW63z	Phthalate, Dimethyl	4.85 U ug/L	1,400.00 ug/L				
HW63	Phthalate, di-n-butyl-	4.76 U ug/L	670.00 ug/L				
HW63z	Phthalate, di-n-butyl-	4.85 U ug/L	670.00 ug/L				
HW63	Phthalate, di-n-octyl	4.76 U ug/L					
HW63z	Phthalate, di-n-octyl	4.85 U ug/L					
HW63	Phthalate-diethyl	4.76 U ug/L	11,000.00 ug/L				
HW63z	Phthalate-diethyl	4.85 U ug/L	11,000.00 ug/L				
HW63	Propylamine,n-nitroso di-n-	4.76 U ug/L	0.93 ug/L				
HW63z	Propylamine,n-nitroso di-n-	4.85 U ug/L	0.93 ug/L				
HW63	Pyrene	4.76 U ug/L	87.00 ug/L				
HW63z	Pyrene	4.85 U ug/L	87.00 ug/L				
HW63	Pyrene-indeno(1,2,3-cd)	4.76 U ug/L	3.00 ug/L				
HW63z	Pyrene-indeno(1,2,3-cd)	4.85 U ug/L	3.00 ug/L				
HW63	Tetrachlorobenzene, 1,2,4,5-	4.76 U ug/L	1.20 ug/L				
HW63z	Tetrachlorobenzene, 1,2,4,5-	4.85 U ug/L	1.20 ug/L				
HW63	Tetrachlorophenol, 2,3,4,6-	4.76 U ug/L	170.00 ug/L				
HW63z	Tetrachlorophenol, 2,3,4,6-	4.85 U ug/L	170.00 ug/L				
HW63	Trichlorophenol-2,4,5	4.76 U ug/L	890.00 ug/L				
HW63z	Trichlorophenol-2,4,5	4.85 U ug/L	890.00 ug/L				
HW63	Trichlorophenol-2,4,6	4.76 U ug/L	9.04 ug/L				
HW63z	Trichlorophenol-2,4,6	4.85 U ug/L	9.04 ug/L				
HW63	TPH - Gasoline Range Organics	25.00 U ug/L					

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW63z	TPH - Gasoline Range Organics	25.00 U ug/L					
HW63	1,2-Dibromo-3-chloropropane (DBCP)	1.00 U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW63z	1,2-Dibromo-3-chloropropane (DBCP)	1.00 U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW63	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				
HW63z	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				
HW63	Acetone	2.00 U ug/L					
HW63z	Acetone	2.00 U ug/L					
HW63	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW63z	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW63	Bromobenzene	0.50 U ug/L					
HW63z	Bromobenzene	0.50 U ug/L					
HW63	Bromoform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW63z	Bromoform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW63	Butylbenzene	0.50 U ug/L					
HW63z	Butylbenzene	0.50 U ug/L					
HW63	Butylbenzene, sec-	0.50 U ug/L					
HW63z	Butylbenzene, sec-	0.50 U ug/L					
HW63	Butylbenzene, tert-	0.50 U ug/L					
HW63z	Butylbenzene, tert-	0.50 U ug/L					
HW63	Carbon disulfide	0.50 U ug/L					
HW63z	Carbon disulfide	0.50 U ug/L					
HW63	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW63z	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW63	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW63z	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW63	Chlorobromomethane	0.50 U ug/L					
HW63z	Chlorobromomethane	0.50 U ug/L					
HW63	Chloroethane	0.50 U ug/L					
HW63z	Chloroethane	0.50 U ug/L					

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW63	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW63z	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW63	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW63z	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW63	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW63z	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW63	Cyclohexane	0.50 U ug/L					
HW63z	Cyclohexane	0.50 U ug/L					
HW63	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW63z	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW63	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW63z	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW63	Dibromomethane	0.50 U ug/L					
HW63z	Dibromomethane	0.50 U ug/L					
HW63	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW63z	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW63	Dichlorobenzene-1,3	0.50 U ug/L					
HW63z	Dichlorobenzene-1,3	0.50 U ug/L					
HW63	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW63z	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW63	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW63z	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW63	Dichlorodifluoromethane	0.50 U ug/L					
HW63z	Dichlorodifluoromethane	0.50 U ug/L					
HW63	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW63z	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW63	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW63z	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW63	Dichloroethene-1,2 trans	0.50 U 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
HW63z	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW63	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW63z	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW63	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW63z	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW63	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW63z	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW63	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW63z	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW63	Dichloropropane, 2,2-	0.50 U ug/L					
HW63z	Dichloropropane, 2,2-	0.50 U ug/L					
HW63	Dichloropropene, 1,1-	0.50 U ug/L					
HW63z	Dichloropropene, 1,1-	0.50 U ug/L					
HW63	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW63z	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW63	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW63z	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW63	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW63z	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW63	Freon 113	0.50 U ug/L					
HW63z	Freon 113	0.50 U ug/L					
HW63	Hexanone, 2-	5.00 U ug/L	34.00 ug/L				
HW63z	Hexanone, 2-	5.00 U ug/L	34.00 ug/L				
HW63	Isopropylbenzene	0.50 U ug/L					
HW63z	Isopropylbenzene	0.50 U ug/L					
HW63	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW63z	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW63	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW63z	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW63	Methyl acetate	0.50 U ug/L					
HW63z	Methyl acetate	0.50 U ug/L					
HW63	Methyl bromide	0.50 U ug/L					
HW63z	Methyl bromide	0.50 U ug/L					
HW63	Methyl chloride	0.50 U ug/L					
HW63z	Methyl chloride	0.50 U ug/L					
HW63	Methyl cyclohexane	0.50 U ug/L					
HW63z	Methyl cyclohexane	0.50 U ug/L					
HW63	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW63z	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW63	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW63z	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW63	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW63z	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW63	Propylbenzene-n	0.50 U ug/L					
HW63z	Propylbenzene-n	0.50 U ug/L					
HW63	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW63z	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW63	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW63z	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW63	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW63z	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW63	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW63z	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW63	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW63z	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW63	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW63z	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW63	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW63z	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW63	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW63z	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW63	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW63z	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW63	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW63z	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW63	Trichlorofluoromethane	0.50 U ug/L					
HW63z	Trichlorofluoromethane	0.50 U ug/L					
HW63	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW63z	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW63	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW63z	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW63	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW63z	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW63	Vinyl acetate	0.50 U ug/L					
HW63z	Vinyl acetate	0.50 U ug/L					
HW63	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW63z	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW63	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW63z	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW63	Nitrogen, Nitrite + Nitrate	0.05 U mg/L		10.00 mg/L		10.00 mg/L	
HW63z	Nitrogen, Nitrite + Nitrate	0.05 U mg/L		10.00 mg/L		10.00 mg/L	
HW63	Total Nitrogen	1.00 U mg/L					
HW63z	Total Nitrogen	1.00 U mg/L					

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

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

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

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

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

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

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

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

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

TPH - Total Petroleum Hydrocarbons

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

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

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

cfu/100 mL – Total Coliform Bacteria and E. coli 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. Coliforms are naturally present in the environment; as well as feces; fecal coliforms and E. coli only come from human and animal fecal waste.

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

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.

J+ - The result is an estimated quantity, but the result may be biased high.

UJ - The U indicates that the analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit. The reported sample quantitation limit is the number listed next to the U. The J indicates that the reported sample quantitation limit is approximate and may be inaccurate or imprecise.

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,