

HW-31

EPA Validated Data Summary Report

Dimock Residential Sampling

Sample Date: 2/6/2012

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW31	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW31-P	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW31z	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW31	1-Propanol	10,000.00 U ug/L					
HW31-P	1-Propanol	10,000.00 U ug/L					
HW31z	1-Propanol	10,000.00 U ug/L					
HW31	2-Butanol	10,000.00 U ug/L					
HW31-P	2-Butanol	10,000.00 U ug/L					
HW31z	2-Butanol	10,000.00 U ug/L					
HW31	Ethanol	10,000.00 U ug/L					
HW31-P	Ethanol	10,000.00 U ug/L					
HW31z	Ethanol	10,000.00 U ug/L					
HW31	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW31-P	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW31z	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW31	Anionic Surfactants	0.03 mg/L					
HW31-P	Anionic Surfactants	0.01 U mg/L					
HW31z	Anionic Surfactants	0.03 mg/L					
HW31	Heterotrophic Plate Count	R cfu/1mL					
HW31-P	Heterotrophic Plate Count	R cfu/1mL					
HW31z	Heterotrophic Plate Count	R cfu/1mL					
HW31	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW31-P	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW31z	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW31	Ethane	7.30 ug/L					
HW31-P	Ethane	1.20 U ug/L					
HW31z	Ethane	7.50 ug/L					
HW31	Ethene	1.10 U ug/L					
HW31-P	Ethene	1.10 U ug/L					
HW31z	Ethene	1.10 U ug/L					
HW31	Methane	17,000.00 ug/L	28,000.00 ug/L				
HW31-P	Methane	73.00 ug/L	28,000.00 ug/L				
HW31z	Methane	15,000.00 ug/L	28,000.00 ug/L				
HW31	2-Butoxyethanol	5.00 U ug/L					
HW31-P	2-Butoxyethanol	5.00 U ug/L					
HW31z	2-Butoxyethanol	5.00 U ug/L					
HW31	2-Methoxyethanol	10.00 U ug/L	78.00 ug/L				
HW31	2-Methoxyethanol	5.00 UJ ug/L	78.00 ug/L				
HW31-P	2-Methoxyethanol	5.00 UJ ug/L	78.00 ug/L				
HW31-P	2-Methoxyethanol	10.00 U ug/L	78.00 ug/L				
HW31z	2-Methoxyethanol	10.00 U ug/L	78.00 ug/L				
HW31z	2-Methoxyethanol	5.00 UJ ug/L	78.00 ug/L				
HW31	Diethylene Glycol	50.00 U ug/L	8,000.00 ug/L				
HW31-P	Diethylene Glycol	50.00 U ug/L	8,000.00 ug/L				
HW31z	Diethylene Glycol	50.00 U ug/L	8,000.00 ug/L				
HW31	Ethylene Glycol	10.00 U mg/L	31,000.00 ug/L				
HW31-P	Ethylene Glycol	10.00 U mg/L	31,000.00 ug/L				
HW31z	Ethylene Glycol	10.00 U mg/L	31,000.00 ug/L				
HW31	Tetraethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW31-P	Tetraethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW31z	Tetraethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW31	Triethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW31-P	Triethylene glycol	25.00 U ug/L	8,000.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW31z	Triethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW31	Bromide	0.50 U mg/L					
HW31-P	Bromide	0.50 U mg/L					
HW31z	Bromide	0.50 U mg/L					
HW31	Chloride	43.90 mg/L			250.00 mg/L		250.00 mg/L
HW31-P	Chloride	40.50 mg/L			250.00 mg/L		250.00 mg/L
HW31z	Chloride	43.20 mg/L			250.00 mg/L		250.00 mg/L
HW31	Fluoride	0.10 U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW31-P	Fluoride	0.10 U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW31z	Fluoride	0.10 U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW31	Sulfate	0.59 mg/L			250.00 mg/L		250.00 mg/L
HW31-P	Sulfate	1.16 mg/L			250.00 mg/L		250.00 mg/L
HW31z	Sulfate	0.60 mg/L			250.00 mg/L		250.00 mg/L
HW31	Mercury	0.20 U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW31-F	Mercury	0.20 U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW31-P	Mercury	0.20 U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW31-PF	Mercury	0.20 U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW31z	Mercury	0.20 U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW31z-F	Mercury	0.20 U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW31	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW31-F	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW31-P	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW31-PF	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW31z	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW31z-F	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW31	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW31-F	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW31-P	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW31-PF	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
HW31z	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW31z-F	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW31	Arsenic	1.00 U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW31-F	Arsenic	1.00 U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW31-P	Arsenic	1.00 U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW31-PF	Arsenic	1.00 U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW31z	Arsenic	1.30 ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW31z-F	Arsenic	1.00 U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW31	Barium	534.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW31-F	Barium	517.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW31-P	Barium	500.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW31-PF	Barium	512.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW31z	Barium	538.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW31z-F	Barium	535.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW31	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW31-F	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW31-P	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW31-PF	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW31z	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW31z-F	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW31	Boron	64.60 ug/L	3,100.00 ug/L				
HW31-F	Boron	62.70 ug/L	3,100.00 ug/L				
HW31-P	Boron	64.80 ug/L	3,100.00 ug/L				
HW31-PF	Boron	79.50 ug/L	3,100.00 ug/L				
HW31z	Boron	72.70 ug/L	3,100.00 ug/L				
HW31z-F	Boron	64.10 ug/L	3,100.00 ug/L				
HW31	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW31-F	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW31-P	Cadmium	1.00 U ug/L	6.90 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
HW31-PF	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW31z	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW31z-F	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW31	Calcium	33,000.00 ug/L					
HW31-F	Calcium	32,000.00 ug/L					
HW31-P	Calcium	32,300.00 ug/L					
HW31-PF	Calcium	33,100.00 ug/L					
HW31z	Calcium	33,500.00 ug/L					
HW31z-F	Calcium	33,300.00 ug/L					
HW31	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW31-F	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW31-P	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW31-PF	Chromium	2.30 ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW31z	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW31z-F	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW31	Cobalt	1.00 U ug/L	4.70 ug/L				
HW31-F	Cobalt	1.00 U ug/L	4.70 ug/L				
HW31-P	Cobalt	1.00 U ug/L	4.70 ug/L				
HW31-PF	Cobalt	1.00 U ug/L	4.70 ug/L				
HW31z	Cobalt	1.00 U ug/L	4.70 ug/L				
HW31z-F	Cobalt	1.00 U ug/L	4.70 ug/L				
HW31	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***	
HW31-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***	
HW31-P	Copper	4.30 ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW31-PF	Copper	4.60 ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW31z	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***	
HW31z-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***	
HW31	Iron	158.00 ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW31-F	Iron	100.00 U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW31-P	Iron	100.00 U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW31-PF	Iron	100.00 U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW31z	Iron	156.00 ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW31z-F	Iron	100.00 U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW31	Lead	1.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW31-F	Lead	1.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW31-P	Lead	1.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW31-PF	Lead	1.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW31z	Lead	1.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW31z-F	Lead	1.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW31	Lithium	200.00 U ug/L	31.00 ug/L				
HW31-F	Lithium	200.00 U ug/L	31.00 ug/L				
HW31-P	Lithium	200.00 U ug/L	31.00 ug/L				
HW31-PF	Lithium	200.00 U ug/L	31.00 ug/L				
HW31z	Lithium	200.00 U ug/L	31.00 ug/L				
HW31z-F	Lithium	200.00 U ug/L	31.00 ug/L				
HW31	Magnesium	8,880.00 ug/L					
HW31-F	Magnesium	8,640.00 ug/L					
HW31-P	Magnesium	8,690.00 ug/L					
HW31-PF	Magnesium	8,930.00 ug/L					
HW31z	Magnesium	9,000.00 ug/L					
HW31z-F	Magnesium	8,970.00 ug/L					
HW31	Manganese	171.00 ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW31-F	Manganese	155.00 ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW31-P	Manganese	1.80 ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW31-PF	Manganese	1.00 U ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW31z	Manganese	158.00 ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW31z-F	Manganese	166.00 ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW31	Nickel	1.40 ug/L	300.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW31-F	Nickel	1.30 ug/L	300.00 ug/L				
HW31-P	Nickel	1.20 ug/L	300.00 ug/L				
HW31-PF	Nickel	1.40 ug/L	300.00 ug/L				
HW31z	Nickel	1.20 ug/L	300.00 ug/L				
HW31z-F	Nickel	1.30 ug/L	300.00 ug/L				
HW31	Potassium	2,000.00 U ug/L					
HW31-F	Potassium	2,000.00 U ug/L					
HW31-P	Potassium	2,000.00 U ug/L					
HW31-PF	Potassium	2,000.00 U ug/L					
HW31z	Potassium	2,000.00 U ug/L					
HW31z-F	Potassium	2,000.00 U ug/L					
HW31	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW31-F	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW31-P	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW31-PF	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW31z	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW31z-F	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW31	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW31-F	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW31-P	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW31-PF	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW31z	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW31z-F	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW31	Sodium	26,700.00 ug/L	20,000.00 ug/L				
HW31-F	Sodium	25,800.00 ug/L	20,000.00 ug/L				
HW31-P	Sodium	25,500.00 ug/L	20,000.00 ug/L				
HW31-PF	Sodium	26,200.00 ug/L	20,000.00 ug/L				
HW31z	Sodium	26,700.00 ug/L	20,000.00 ug/L				
HW31z-F	Sodium	27,000.00 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
HW31	Strontium	903.00 ug/L	9,300.00 ug/L				
HW31-F	Strontium	871.00 ug/L	9,300.00 ug/L				
HW31-P	Strontium	873.00 ug/L	9,300.00 ug/L				
HW31-PF	Strontium	898.00 ug/L	9,300.00 ug/L				
HW31z	Strontium	902.00 ug/L	9,300.00 ug/L				
HW31z-F	Strontium	910.00 ug/L	9,300.00 ug/L				
HW31	Thallium	1.00 U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW31-F	Thallium	1.00 U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW31-P	Thallium	1.00 U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW31-PF	Thallium	1.00 U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW31z	Thallium	1.00 U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW31z-F	Thallium	1.00 U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW31	Tin	200.00 U ug/L	9,300.00 ug/L				
HW31-F	Tin	200.00 U ug/L	9,300.00 ug/L				
HW31-P	Tin	200.00 U ug/L	9,300.00 ug/L				
HW31-PF	Tin	200.00 U ug/L	9,300.00 ug/L				
HW31z	Tin	200.00 U ug/L	9,300.00 ug/L				
HW31z-F	Tin	200.00 U ug/L	9,300.00 ug/L				
HW31	Titanium	200.00 U ug/L					
HW31-F	Titanium	200.00 U ug/L					
HW31-P	Titanium	200.00 U ug/L					
HW31-PF	Titanium	200.00 U ug/L					
HW31z	Titanium	200.00 U ug/L					
HW31z-F	Titanium	200.00 U ug/L					
HW31	Uranium	1.00 U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW31-F	Uranium	1.00 U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW31-P	Uranium	1.00 U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW31-PF	Uranium	1.00 U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW31z	Uranium	1.00 U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW31z-F	Uranium	1.00 U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW31	Vanadium	5.00 U ug/L	78.00 ug/L				
HW31-F	Vanadium	5.00 U ug/L	78.00 ug/L				
HW31-P	Vanadium	5.00 U ug/L	78.00 ug/L				
HW31-PF	Vanadium	5.00 U ug/L	78.00 ug/L				
HW31z	Vanadium	5.00 U ug/L	78.00 ug/L				
HW31z-F	Vanadium	5.00 U ug/L	78.00 ug/L				
HW31	Zinc	2.10 ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW31-F	Zinc	2.00 U ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW31-P	Zinc	3.30 ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW31-PF	Zinc	3.40 ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW31z	Zinc	2.00 U ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW31z-F	Zinc	2.00 U ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW31	Oil and Grease	5.30 UJ mg/L					
HW31-P	Oil and Grease	5.20 UJ mg/L					
HW31z	Oil and Grease	5.10 U mg/L					
HW31	Total Dissolved Solids	183.00 mg/L			500.00 mg/L		500.00 mg/L
HW31-P	Total Dissolved Solids	187.00 mg/L			500.00 mg/L		500.00 mg/L
HW31z	Total Dissolved Solids	190.00 mg/L			500.00 mg/L		500.00 mg/L
HW31	Total Suspended Solids	10.00 U mg/L					
HW31-P	Total Suspended Solids	10.00 U mg/L					
HW31z	Total Suspended Solids	10.00 U mg/L					
HW31	1-Methylnaphthalene	5.00 UJ ug/L	97.00 ug/L				
HW31-P	1-Methylnaphthalene	5.00 UJ ug/L	97.00 ug/L				
HW31z	1-Methylnaphthalene	5.00 UJ ug/L	97.00 ug/L				
HW31	Acenaphthene	5.00 U ug/L	400.00 ug/L				
HW31-P	Acenaphthene	5.00 U ug/L	400.00 ug/L				
HW31z	Acenaphthene	5.00 U ug/L	400.00 ug/L				
HW31	Acenaphthylene	5.00 U ug/L					

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW31-P	Acenaphthylene	5.00 U ug/L					
HW31z	Acenaphthylene	5.00 U ug/L					
HW31	Acetophenone	5.00 U ug/L	1,500.00 ug/L				
HW31-P	Acetophenone	5.00 U ug/L	1,500.00 ug/L				
HW31z	Acetophenone	5.00 U ug/L	1,500.00 ug/L				
HW31	Anthracene	5.00 U ug/L	1,300.00 ug/L				
HW31-P	Anthracene	5.00 U ug/L	1,300.00 ug/L				
HW31z	Anthracene	5.00 U ug/L	1,300.00 ug/L				
HW31	Atrazine	5.00 U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW31-P	Atrazine	5.00 U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW31z	Atrazine	5.00 U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW31	Benzo(a)anthracene	5.00 U ug/L	2.90 ug/L				
HW31-P	Benzo(a)anthracene	5.00 U ug/L	2.90 ug/L				
HW31z	Benzo(a)anthracene	5.00 U ug/L	2.90 ug/L				
HW31	Benzo(a)pyrene	5.00 U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW31-P	Benzo(a)pyrene	5.00 U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW31z	Benzo(a)pyrene	5.00 U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW31	Biphenyl	5.00 U ug/L					
HW31-P	Biphenyl	5.00 U ug/L					
HW31z	Biphenyl	5.00 U ug/L					
HW31	Bromophenyl-4 Phenyl Ether	5.00 U ug/L					
HW31-P	Bromophenyl-4 Phenyl Ether	5.00 U ug/L					
HW31z	Bromophenyl-4 Phenyl Ether	5.00 U ug/L					
HW31	Butylbenzyl phthalate	5.00 U ug/L	1,400.00 ug/L				
HW31-P	Butylbenzyl phthalate	5.00 U ug/L	1,400.00 ug/L				
HW31z	Butylbenzyl phthalate	5.00 U ug/L	1,400.00 ug/L				
HW31	Caprolactam	5.00 U ug/L	7,700.00 ug/L				
HW31-P	Caprolactam	5.00 U ug/L	7,700.00 ug/L				
HW31z	Caprolactam	5.00 U ug/L	7,700.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW31	Carbazole	5.00 U ug/L					
HW31-P	Carbazole	5.00 U ug/L					
HW31z	Carbazole	5.00 U ug/L					
HW31	Chlorobenzene-4	5.00 U ug/L	3.20 ug/L				
HW31-P	Chlorobenzene-4	5.00 U ug/L	3.20 ug/L				
HW31z	Chlorobenzene-4	5.00 U ug/L	3.20 ug/L				
HW31	Chloronaphthalene-2	5.00 U ug/L	550.00 ug/L				
HW31-P	Chloronaphthalene-2	5.00 U ug/L	550.00 ug/L				
HW31z	Chloronaphthalene-2	5.00 U ug/L	550.00 ug/L				
HW31	Chlorophenol-2	5.00 U ug/L	71.00 ug/L				
HW31-P	Chlorophenol-2	5.00 U ug/L	71.00 ug/L				
HW31z	Chlorophenol-2	5.00 U ug/L	71.00 ug/L				
HW31	Chlorophenyl-4 phenyl ether	5.00 U ug/L					
HW31-P	Chlorophenyl-4 phenyl ether	5.00 U ug/L					
HW31z	Chlorophenyl-4 phenyl ether	5.00 U ug/L					
HW31	Chrysene	5.00 U ug/L	290.00 ug/L				
HW31-P	Chrysene	5.00 U ug/L	290.00 ug/L				
HW31z	Chrysene	5.00 U ug/L	290.00 ug/L				
HW31	Cresol, parachloro meta-	5.00 U ug/L					
HW31-P	Cresol, parachloro meta-	5.00 U ug/L					
HW31z	Cresol, parachloro meta-	5.00 U ug/L					
HW31	Cresol-4,6-dinitro-ortho	10.00 U ug/L					
HW31-P	Cresol-4,6-dinitro-ortho	10.00 U ug/L					
HW31z	Cresol-4,6-dinitro-ortho	10.00 U ug/L					
HW31	Cresol-o	5.00 U ug/L	720.00 ug/L				
HW31-P	Cresol-o	5.00 U ug/L	720.00 ug/L				
HW31z	Cresol-o	5.00 U ug/L	720.00 ug/L				
HW31	Cresol-p	5.00 U ug/L	72.00 ug/L				
HW31-P	Cresol-p	5.00 U ug/L	72.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW31z	Cresol-p	5.00 U ug/L	72.00 ug/L				
HW31	Dibenz(a,h)anthracene	5.00 U ug/L	0.29 ug/L				
HW31-P	Dibenz(a,h)anthracene	5.00 U ug/L	0.29 ug/L				
HW31z	Dibenz(a,h)anthracene	5.00 U ug/L	0.29 ug/L				
HW31	Dibenzofuran	5.00 U ug/L					
HW31-P	Dibenzofuran	5.00 U ug/L					
HW31z	Dibenzofuran	5.00 U ug/L					
HW31	Dichlorobenzidine-3,3'	5.00 U ug/L	11.00 ug/L				
HW31-P	Dichlorobenzidine-3,3'	5.00 U ug/L	11.00 ug/L				
HW31z	Dichlorobenzidine-3,3'	5.00 U ug/L	11.00 ug/L				
HW31	Dichlorophenol-2,4	5.00 U ug/L	35.00 ug/L				
HW31-P	Dichlorophenol-2,4	5.00 U ug/L	35.00 ug/L				
HW31z	Dichlorophenol-2,4	5.00 U ug/L	35.00 ug/L				
HW31	Dimethylphenol, 2,4-	5.00 U ug/L	270.00 ug/L				
HW31-P	Dimethylphenol, 2,4-	5.00 U ug/L	270.00 ug/L				
HW31z	Dimethylphenol, 2,4-	5.00 U ug/L	270.00 ug/L				
HW31	Dinitrophenol-2,4	5.00 U ug/L	30.00 ug/L				
HW31-P	Dinitrophenol-2,4	5.00 U ug/L	30.00 ug/L				
HW31z	Dinitrophenol-2,4	5.00 U ug/L	30.00 ug/L				
HW31	Dinitrotoluene-2,4	5.00 U ug/L					
HW31-P	Dinitrotoluene-2,4	5.00 U ug/L					
HW31z	Dinitrotoluene-2,4	5.00 U ug/L					
HW31	Dinitrotoluene-2,6	5.00 U ug/L					
HW31-P	Dinitrotoluene-2,6	5.00 U ug/L					
HW31z	Dinitrotoluene-2,6	5.00 U ug/L					
HW31	Ether, bis(2-chloroethyl)	5.00 U ug/L	1.20 ug/L				
HW31-P	Ether, bis(2-chloroethyl)	5.00 U ug/L	1.20 ug/L				
HW31z	Ether, bis(2-chloroethyl)	5.00 U ug/L	1.20 ug/L				
HW31	Ether-bis(2-chloroisopropyl)	5.00 U ug/L					

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW31-P	Ether-bis(2-chloroisopropyl)	5.00 U ug/L					
HW31z	Ether-bis(2-chloroisopropyl)	5.00 U ug/L					
HW31	Fluoranthene	5.00 U ug/L	630.00 ug/L				
HW31-P	Fluoranthene	5.00 U ug/L	630.00 ug/L				
HW31z	Fluoranthene	5.00 U ug/L	630.00 ug/L				
HW31	Fluoranthene benzo(k)	5.00 U ug/L	29.00 ug/L				
HW31-P	Fluoranthene benzo(k)	5.00 U ug/L	29.00 ug/L				
HW31z	Fluoranthene benzo(k)	5.00 U ug/L	29.00 ug/L				
HW31	Fluoranthene-benzo(b)	5.00 U ug/L	5.60 ug/L				
HW31-P	Fluoranthene-benzo(b)	5.00 U ug/L	5.60 ug/L				
HW31z	Fluoranthene-benzo(b)	5.00 U ug/L	5.60 ug/L				
HW31	Fluorene	5.00 U ug/L	220.00 ug/L				
HW31-P	Fluorene	5.00 U ug/L	220.00 ug/L				
HW31z	Fluorene	5.00 U ug/L	220.00 ug/L				
HW31	Hexachlorobenzene	5.00 U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW31-P	Hexachlorobenzene	5.00 U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW31z	Hexachlorobenzene	5.00 U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW31	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW31	Hexachlorobutadiene	5.00 U ug/L	26.00 ug/L				
HW31-P	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW31-P	Hexachlorobutadiene	5.00 U ug/L	26.00 ug/L				
HW31z	Hexachlorobutadiene	5.00 U ug/L	26.00 ug/L				
HW31z	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW31	Hexachlorocyclopentadiene	5.00 U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW31-P	Hexachlorocyclopentadiene	5.00 U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW31z	Hexachlorocyclopentadiene	5.00 U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW31	Hexachloroethane	5.00 U ug/L	5.10 ug/L				
HW31-P	Hexachloroethane	5.00 U ug/L	5.10 ug/L				
HW31z	Hexachloroethane	5.00 U ug/L	5.10 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW31	Isophorone	5.00 U ug/L	6,700.00 ug/L				
HW31-P	Isophorone	5.00 U ug/L	6,700.00 ug/L				
HW31z	Isophorone	5.00 U ug/L	6,700.00 ug/L				
HW31	Methane, bis(2-chloroethoxy)	5.00 U ug/L	47.00 ug/L				
HW31-P	Methane, bis(2-chloroethoxy)	5.00 U ug/L	47.00 ug/L				
HW31z	Methane, bis(2-chloroethoxy)	5.00 U ug/L	47.00 ug/L				
HW31	Methylnaphthalene-2	5.00 U ug/L	27.00 ug/L				
HW31-P	Methylnaphthalene-2	5.00 U ug/L	27.00 ug/L				
HW31z	Methylnaphthalene-2	5.00 U ug/L	27.00 ug/L				
HW31	Naphthalene	5.00 U ug/L	14.00 ug/L				
HW31	Naphthalene	0.50 U ug/L	14.00 ug/L				
HW31-P	Naphthalene	0.50 U ug/L	14.00 ug/L				
HW31-P	Naphthalene	5.00 U ug/L	14.00 ug/L				
HW31z	Naphthalene	0.50 U ug/L	14.00 ug/L				
HW31z	Naphthalene	5.00 U ug/L	14.00 ug/L				
HW31	Nitroaniline, ortho	5.00 U ug/L	150.00 ug/L				
HW31-P	Nitroaniline, ortho	5.00 U ug/L	150.00 ug/L				
HW31z	Nitroaniline, ortho	5.00 U ug/L	150.00 ug/L				
HW31	Nitroaniline-3	5.00 U ug/L					
HW31-P	Nitroaniline-3	5.00 U ug/L					
HW31z	Nitroaniline-3	5.00 U ug/L					
HW31	Nitrobenzenamine-4	5.00 U ug/L	61.00 ug/L				
HW31-P	Nitrobenzenamine-4	5.00 U ug/L	61.00 ug/L				
HW31z	Nitrobenzenamine-4	5.00 U ug/L	61.00 ug/L				
HW31	Nitrobenzene	5.00 U ug/L	12.00 ug/L				
HW31-P	Nitrobenzene	5.00 U ug/L	12.00 ug/L				
HW31z	Nitrobenzene	5.00 U ug/L	12.00 ug/L				
HW31	Nitrophenol-2	5.00 U ug/L					
HW31-P	Nitrophenol-2	5.00 U ug/L					

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW31z	Nitrophenol-2	5.00 U ug/L					
HW31	Nitrophenol-4	10.00 U ug/L					
HW31-P	Nitrophenol-4	10.00 U ug/L					
HW31z	Nitrophenol-4	10.00 U ug/L					
HW31	Nitrosodimethylamine-n	5.00 U ug/L	0.04 ug/L				
HW31-P	Nitrosodimethylamine-n	5.00 U ug/L	0.04 ug/L				
HW31z	Nitrosodimethylamine-n	5.00 U ug/L	0.04 ug/L				
HW31	Nitrosodiphenylamine-n	5.00 U ug/L	1,000.00 ug/L				
HW31-P	Nitrosodiphenylamine-n	5.00 U ug/L	1,000.00 ug/L				
HW31z	Nitrosodiphenylamine-n	5.00 U ug/L	1,000.00 ug/L				
HW31	Pentachlorophenol	5.00 U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW31-P	Pentachlorophenol	5.00 U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW31z	Pentachlorophenol	5.00 U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW31	Perylene-benzo(ghi)	5.00 U ug/L					
HW31-P	Perylene-benzo(ghi)	5.00 U ug/L					
HW31z	Perylene-benzo(ghi)	5.00 U ug/L					
HW31	Phenanthrene	5.00 U ug/L					
HW31-P	Phenanthrene	5.00 U ug/L					
HW31z	Phenanthrene	5.00 U ug/L					
HW31	Phenol	5.00 U ug/L	4,500.00 ug/L				
HW31-P	Phenol	5.00 U ug/L	4,500.00 ug/L				
HW31z	Phenol	5.00 U ug/L	4,500.00 ug/L				
HW31	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW31-P	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW31z	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW31	Phthalate, Dimethyl	5.00 U ug/L	1,400.00 ug/L				
HW31-P	Phthalate, Dimethyl	5.00 U ug/L	1,400.00 ug/L				
HW31z	Phthalate, Dimethyl	5.00 U ug/L	1,400.00 ug/L				
HW31	Phthalate, di-n-butyl-	5.00 U ug/L	670.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW31-P	Phthalate, di-n-butyl-	5.00 U ug/L	670.00 ug/L				
HW31z	Phthalate, di-n-butyl-	5.00 U ug/L	670.00 ug/L				
HW31	Phthalate, di-n-octyl	5.00 U ug/L					
HW31-P	Phthalate, di-n-octyl	0.02 J ug/L					
HW31z	Phthalate, di-n-octyl	5.00 U ug/L					
HW31	Phthalate-diethyl	5.00 U ug/L	11,000.00 ug/L				
HW31-P	Phthalate-diethyl	5.00 U ug/L	11,000.00 ug/L				
HW31z	Phthalate-diethyl	5.00 U ug/L	11,000.00 ug/L				
HW31	Propylamine,n-nitroso di-n-	5.00 U ug/L	0.93 ug/L				
HW31-P	Propylamine,n-nitroso di-n-	5.00 U ug/L	0.93 ug/L				
HW31z	Propylamine,n-nitroso di-n-	5.00 U ug/L	0.93 ug/L				
HW31	Pyrene	5.00 U ug/L	87.00 ug/L				
HW31-P	Pyrene	5.00 U ug/L	87.00 ug/L				
HW31z	Pyrene	5.00 U ug/L	87.00 ug/L				
HW31	Pyrene-indeno(1,2,3-cd)	5.00 U ug/L	3.00 ug/L				
HW31-P	Pyrene-indeno(1,2,3-cd)	5.00 U ug/L	3.00 ug/L				
HW31z	Pyrene-indeno(1,2,3-cd)	5.00 U ug/L	3.00 ug/L				
HW31	Tetrachlorobenzene, 1,2,4,5-	5.00 U ug/L	1.20 ug/L				
HW31-P	Tetrachlorobenzene, 1,2,4,5-	5.00 U ug/L	1.20 ug/L				
HW31z	Tetrachlorobenzene, 1,2,4,5-	5.00 U ug/L	1.20 ug/L				
HW31	Tetrachlorophenol, 2,3,4,6-	5.00 U ug/L	170.00 ug/L				
HW31-P	Tetrachlorophenol, 2,3,4,6-	5.00 U ug/L	170.00 ug/L				
HW31z	Tetrachlorophenol, 2,3,4,6-	5.00 U ug/L	170.00 ug/L				
HW31	Trichlorophenol-2,4,5	5.00 U ug/L	890.00 ug/L				
HW31-P	Trichlorophenol-2,4,5	5.00 U ug/L	890.00 ug/L				
HW31z	Trichlorophenol-2,4,5	5.00 U ug/L	890.00 ug/L				
HW31	Trichlorophenol-2,4,6	5.00 U ug/L	9.04 ug/L				
HW31-P	Trichlorophenol-2,4,6	5.00 U ug/L	9.04 ug/L				
HW31z	Trichlorophenol-2,4,6	5.00 U ug/L	9.04 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW31	TPH - Diesel Range Organics	250.00 U ug/L					
HW31-P	TPH - Diesel Range Organics	250.00 U ug/L					
HW31z	TPH - Diesel Range Organics	270.00 U ug/L					
HW31	TPH - Gasoline Range Organics	50.00 U ug/L					
HW31-P	TPH - Gasoline Range Organics	50.00 U ug/L					
HW31z	TPH - Gasoline Range Organics	50.00 U ug/L					
HW31	TPH - Oil Range Organics	1,000.00 U ug/L					
HW31-P	TPH - Oil Range Organics	1,000.00 U ug/L					
HW31z	TPH - Oil Range Organics	1,100.00 U ug/L					
HW31	1,2-Dibromo-3-chloropropane (DBCP)	2.00 U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW31-P	1,2-Dibromo-3-chloropropane (DBCP)	2.00 U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW31z	1,2-Dibromo-3-chloropropane (DBCP)	2.00 U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW31	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				
HW31-P	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				
HW31z	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				
HW31	Acetone	2.00 U ug/L					
HW31-P	Acetone	3.30 U ug/L					
HW31z	Acetone	2.00 U ug/L					
HW31	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW31-P	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW31z	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW31	Bromobenzene	0.50 U ug/L					
HW31-P	Bromobenzene	0.50 U ug/L					
HW31z	Bromobenzene	0.50 U ug/L					
HW31	Bromoform	1.00 U ug/L		80.00 ug/L		80.00 ug/L	
HW31-P	Bromoform	1.00 U ug/L		80.00 ug/L		80.00 ug/L	
HW31z	Bromoform	1.00 U ug/L		80.00 ug/L		80.00 ug/L	
HW31	Butylbenzene	0.50 U ug/L					
HW31-P	Butylbenzene	0.50 U ug/L					

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW31z	Butylbenzene	0.50 U ug/L					
HW31	Butylbenzene, sec-	0.50 U ug/L					
HW31-P	Butylbenzene, sec-	0.50 U ug/L					
HW31z	Butylbenzene, sec-	0.50 U ug/L					
HW31	Butylbenzene, tert-	0.50 U ug/L					
HW31-P	Butylbenzene, tert-	0.50 U ug/L					
HW31z	Butylbenzene, tert-	0.50 U ug/L					
HW31	Carbon disulfide	0.50 U ug/L					
HW31-P	Carbon disulfide	0.50 U ug/L					
HW31z	Carbon disulfide	0.50 U ug/L					
HW31	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW31-P	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW31z	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW31	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW31-P	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW31z	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW31	Chlorobromomethane	0.50 U ug/L					
HW31-P	Chlorobromomethane	0.50 U ug/L					
HW31z	Chlorobromomethane	0.50 U ug/L					
HW31	Chloroethane	0.50 U ug/L					
HW31-P	Chloroethane	0.50 U ug/L					
HW31z	Chloroethane	0.50 U ug/L					
HW31	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW31-P	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW31z	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW31	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW31-P	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW31z	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW31	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW31-P	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW31z	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW31	Cyclohexane	0.50 U ug/L					
HW31-P	Cyclohexane	0.50 U ug/L					
HW31z	Cyclohexane	0.50 U ug/L					
HW31	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW31-P	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW31z	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW31	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW31-P	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW31z	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW31	Dibromomethane	0.50 U ug/L					
HW31-P	Dibromomethane	0.50 U ug/L					
HW31z	Dibromomethane	0.50 U ug/L					
HW31	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW31-P	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW31z	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW31	Dichlorobenzene-1,3	0.50 U ug/L					
HW31-P	Dichlorobenzene-1,3	0.50 U ug/L					
HW31z	Dichlorobenzene-1,3	0.50 U ug/L					
HW31	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW31-P	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW31z	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW31	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW31-P	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW31z	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW31	Dichlorodifluoromethane	0.50 U ug/L					
HW31-P	Dichlorodifluoromethane	0.50 U ug/L					
HW31z	Dichlorodifluoromethane	0.50 U ug/L					

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW31	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW31-P	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW31z	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW31	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW31-P	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW31z	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW31	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW31-P	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW31z	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW31	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW31-P	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW31z	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW31	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW31-P	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW31z	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW31	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW31-P	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW31z	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW31	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW31-P	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW31z	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW31	Dichloropropane, 2,2-	0.50 U ug/L					
HW31-P	Dichloropropane, 2,2-	0.50 U ug/L					
HW31z	Dichloropropane, 2,2-	0.50 U ug/L					
HW31	Dichloropropene, 1,1-	0.50 U ug/L					
HW31-P	Dichloropropene, 1,1-	0.50 U ug/L					
HW31z	Dichloropropene, 1,1-	0.50 U ug/L					
HW31	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW31-P	Dichloropropene, 1,3 cis-	0.50 U ug/L					

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW31z	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW31	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW31-P	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW31z	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW31	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW31-P	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW31z	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW31	Freon 113	0.50 U ug/L					
HW31-P	Freon 113	0.50 U ug/L					
HW31z	Freon 113	0.50 U ug/L					
HW31	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW31-P	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW31z	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW31	Isopropylbenzene	0.50 U ug/L					
HW31-P	Isopropylbenzene	0.50 U ug/L					
HW31z	Isopropylbenzene	0.50 U ug/L					
HW31	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW31-P	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW31z	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW31	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW31-P	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW31z	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW31	Methyl acetate	1.00 U ug/L					
HW31-P	Methyl acetate	1.00 U ug/L					
HW31z	Methyl acetate	1.00 U ug/L					
HW31	Methyl bromide	0.50 U ug/L					
HW31-P	Methyl bromide	0.50 U ug/L					
HW31z	Methyl bromide	0.50 U ug/L					
HW31	Methyl chloride	0.50 U ug/L					

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW31-P	Methyl chloride	0.50 U ug/L					
HW31z	Methyl chloride	0.50 U ug/L					
HW31	Methyl cyclohexane	0.50 U ug/L					
HW31-P	Methyl cyclohexane	0.50 U ug/L					
HW31z	Methyl cyclohexane	0.50 U ug/L					
HW31	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW31-P	Methyl ethyl ketone	4.90 ug/L	4,900.00 ug/L				
HW31z	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW31	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW31-P	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW31z	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW31	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW31-P	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW31z	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW31	Propylbenzene-n	0.50 U ug/L					
HW31-P	Propylbenzene-n	0.50 U ug/L					
HW31z	Propylbenzene-n	0.50 U ug/L					
HW31	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW31-P	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW31z	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW31	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW31-P	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW31z	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW31	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW31-P	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW31z	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW31	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW31-P	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW31z	Tetrachloroethylene	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
HW31	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW31-P	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW31z	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW31	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW31-P	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW31z	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW31	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW31-P	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW31z	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW31	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW31-P	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW31z	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW31	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW31-P	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW31z	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW31	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW31-P	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW31z	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW31	Trichlorofluoromethane	0.50 U ug/L					
HW31-P	Trichlorofluoromethane	0.50 U ug/L					
HW31z	Trichlorofluoromethane	0.50 U ug/L					
HW31	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW31-P	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW31z	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW31	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW31-P	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW31z	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW31	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW31-P	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW31z	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW31	Vinyl acetate	0.50 U ug/L					
HW31-P	Vinyl acetate	0.50 U ug/L					
HW31z	Vinyl acetate	0.50 U ug/L					
HW31	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW31-P	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW31z	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW31	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW31-P	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW31z	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW31	Nitrogen, Nitrite + Nitrate	0.05 U mg/L		10.00 mg/L		10.00 mg/L	
HW31-P	Nitrogen, Nitrite + Nitrate	0.05 U mg/L		10.00 mg/L		10.00 mg/L	
HW31z	Nitrogen, Nitrite + Nitrate	0.05 U mg/L		10.00 mg/L		10.00 mg/L	
HW31	Total Nitrogen	1.00 U mg/L					
HW31-P	Total Nitrogen	1.00 U mg/L					
HW31z	Total Nitrogen	1.00 U mg/L					
HW31	Total Phosphorus as P	0.05 U mg/L					
HW31-P	Total Phosphorus as P	0.05 U mg/L					
HW31z	Total Phosphorus as P	0.05 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 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,

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 semivolatiles 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