

# HW-08a

## EPA Validated Data Summary Report

### Dimock Residential Sampling

Sample Date: 1/25/2012

Sample Number	Analyte	Result	Result Units	Trigger Level	Trigger Level Units	EPA Primary MCLs	EPA Primary MCL Units	EPA Secondary MCL	EPA Secondary MCL Units	DEP Primary MCLs	DEP Primary MCL Units	DEP Secondary MCLs	DEP Secondary MCL Units
HW08a	2-Butanol	10.00	U ug/mL										
HW08a	Ethanol	10.00	U ug/mL										
HW08a	Methanol	10.00	U ug/mL	7.80	ug/mL								
HW08a	Anionic Surfactants	0.01	U mg/L										
HW08a	Fecal Coliform Bacteria	0.00	AB Absent	0.00									
HW08a	Heterotrophic Plate Count		R cfu/1mL										
HW08a	Total Coliform Bacteria	54.00	cfu/100mL	0.00	cfu/100mL	5.00	%						
HW08a	Ethane	350.00	ug/L										
HW08a	Ethene	1.10	U ug/L										
HW08a	Methane	9,200.00	ug/L	28,000.00	ug/L								
HW08a	2-Butoxyethanol	10.00	U ug/L										
HW08a	2-Methoxyethanol	5.00	U ug/L	78.00	ug/L								
HW08a	2-Methoxyethanol	10.00	UJ ug/L	78.00	ug/L								
HW08a	Diethylene Glycol	50.00	U ug/L	8,000.00	ug/L								
HW08a	Diethylene glycol	10,000.00	U ug/L	8,000.00	ug/L								
HW08a	Ethanol, 2-ethoxy-	10,000.00	U ug/L										
HW08a	Ethanol, 2-methoxy-	10,000.00	U ug/L	78.00	ug/L								
HW08a	Ethylene glycol	10,000.00	U ug/L	31.00	mg/L								
HW08a	Ethylene glycol	10,000.00	U ug/L	31.00	mg/L								
HW08a	Tetraethylene glycol	25.00	U ug/L	8,000.00	ug/L								
HW08a	Triethylene glycol	25.00	U ug/L	8,000.00	ug/L								
HW08a	Triethylene glycol		R ug/L	8,000.00	ug/L								
HW08a	Bromide	0.50	U mg/L										
HW08a	Chloride	4.29	mg/L					250.00	mg/L			250.00	mg/L

Sample Number	Analyte	Result	Result Units	Trigger Level	Trigger Level Units	EPA Primary MCLs	EPA Primary MCL Units	EPA Secondary MCL	EPA Secondary MCL Units	DEP Primary MCLs	DEP Primary MCL Units	DEP Secondary MCLs	DEP Secondary MCL Units
HW08a	Fluoride	0.10 U	mg/L	0.62	mg/L	4.00	mg/L	2.00	mg/L	2.00	mg/L		
HW08a	Sulfate	10.40	mg/L					250.00	mg/L			250.00	mg/L
HW08a	Mercury	0.20 U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW08a-F	Mercury	0.20 U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW08a	Aluminum	37.50	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW08a-F	Aluminum	30.00 U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW08a	Antimony	2.00 U	ug/L	6.00	ug/L	6.00	ug/L			6.00	ug/L		
HW08a-F	Antimony	2.00 U	ug/L	6.00	ug/L	6.00	ug/L			6.00	ug/L		
HW08a	Arsenic	2.00 U	ug/L	4.50	ug/L	10.00	ug/L			10.00	ug/L		
HW08a-F	Arsenic	2.00 U	ug/L	4.50	ug/L	10.00	ug/L			10.00	ug/L		
HW08a	Barium	36.00	ug/L	2,900.00	ug/L	2,000.00	ug/L			2,000.00	ug/L		
HW08a-F	Barium	37.90	ug/L	2,900.00	ug/L	2,000.00	ug/L			2,000.00	ug/L		
HW08a	Beryllium	1.00 U	ug/L	16.00	ug/L	4.00	ug/L			4.00	ug/L		
HW08a-F	Beryllium	1.00 U	ug/L	16.00	ug/L	4.00	ug/L			4.00	ug/L		
HW08a	Boron	50.00 U	ug/L	3,100.00	ug/L								
HW08a-F	Boron	50.00 U	ug/L	3,100.00	ug/L								
HW08a	Cadmium	1.00 U	ug/L	6.90	ug/L	5.00	ug/L			5.00	ug/L		
HW08a-F	Cadmium	1.00 U	ug/L	6.90	ug/L	5.00	ug/L			5.00	ug/L		
HW08a	Calcium	14,400.00	ug/L										
HW08a-F	Calcium	14,200.00	ug/L										
HW08a	Chromium	2.00 U	ug/L	3.10	ug/L	100.00	ug/L			100.00	ug/L		
HW08a-F	Chromium	2.00 U	ug/L	3.10	ug/L	100.00	ug/L			100.00	ug/L		
HW08a	Cobalt	1.00 U	ug/L	4.70	ug/L								
HW08a-F	Cobalt	1.00 U	ug/L	4.70	ug/L								
HW08a	Copper	11.30	ug/L	620.00	ug/L	1,300.00	ug/L	1,000.00	ug/L	1,000.00	ug/L		
HW08a-F	Copper	9.00	ug/L	620.00	ug/L	1,300.00	ug/L	1,000.00	ug/L	1,000.00	ug/L		
HW08a	Iron	100.00 U	ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW08a-F	Iron	100.00 U	ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW08a	Lead	2.80	ug/L	15.00	ug/L	15.00	ug/L			5.00	ug/L		

Sample Number	Analyte	Result	Result Units	Trigger Level	Trigger Level Units	EPA Primary MCLs	EPA Primary MCL Units	EPA Secondary MCL	EPA Secondary MCL Units	DEP Primary MCLs	DEP Primary MCL Units	DEP Secondary MCLs	DEP Secondary MCL Units
HW08a-F	Lead	1.20	ug/L	15.00	ug/L	15.00	ug/L			5.00	ug/L		
HW08a	Lithium	200.00	U ug/L	31.00	ug/L								
HW08a-F	Lithium	200.00	U ug/L	31.00	ug/L								
HW08a	Magnesium	2,790.00	ug/L										
HW08a-F	Magnesium	2,760.00	ug/L										
HW08a	Manganese	64.30	ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW08a-F	Manganese	64.00	ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW08a	Nickel	1.00	U ug/L	300.00	ug/L								
HW08a-F	Nickel	1.00	ug/L	300.00	ug/L								
HW08a	Potassium	2,000.00	U ug/L										
HW08a-F	Potassium	2,000.00	U ug/L										
HW08a	Selenium	5.00	U ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW08a-F	Selenium	5.00	U ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW08a	Silver	1.00	U ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW08a-F	Silver	1.00	U ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW08a	Sodium	2,670.00	ug/L	20,000.00	ug/L								
HW08a-F	Sodium	2,660.00	ug/L	20,000.00	ug/L								
HW08a	Strontium	200.00	U ug/L	9,300.00	ug/L								
HW08a-F	Strontium	200.00	U ug/L	9,300.00	ug/L								
HW08a	Thallium	1.00	U ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW08a-F	Thallium	1.00	U ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW08a	Tin	200.00	U ug/L	9,300.00	ug/L								
HW08a-F	Tin	200.00	U ug/L	9,300.00	ug/L								
HW08a	Titanium	200.00	U ug/L										
HW08a-F	Titanium	200.00	U ug/L										
HW08a	Uranium	1.00	U ug/L	47.00	ug/L	30.00	ug/L						
HW08a-F	Uranium	1.00	U ug/L	47.00	ug/L	30.00	ug/L						
HW08a	Vanadium	5.00	U ug/L	78.00	ug/L								
HW08a-F	Vanadium	5.00	U ug/L	78.00	ug/L								

Sample Number	Analyte	Result	Result Units	Trigger Level	Trigger Level Units	EPA Primary MCLs	EPA Primary MCL Units	EPA Secondary MCL	EPA Secondary MCL Units	DEP Primary MCLs	DEP Primary MCL Units	DEP Secondary MCLs	DEP Secondary MCL Units
HW08a	Zinc	8.60	ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW08a-F	Zinc	8.20	ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW08a	Oil and Grease	5.60	U mg/L										
HW08a	Total Dissolved Solids	62.00	J mg/L					500.00	mg/L			500.00	mg/L
HW08a	Total Suspended Solids	10.00	U mg/L										
HW08a	1-Methylnaphthalene	5.00	U ug/L	97.00	ug/ L								
HW08a	Acenaphthene	5.00	U ug/L	400.00	ug/L								
HW08a	Acenaphthylene	5.00	U ug/L										
HW08a	Acetophenone	5.00	U ug/L	1,500.00	ug/L								
HW08a	Anthracene	0.06	J ug/L	1,300.00	ug/L								
HW08a	Atrazine	5.00	U ug/L	26.00	ug/L	3.00	ug/L			3.00	ug/L		
HW08a	Benzo(a)anthracene	5.00	U ug/L	2.90	ug/L								
HW08a	Benzo(a)pyrene	5.00	U ug/L	0.29	ug/L	0.20	ug/L			0.20	ug/L		
HW08a	Biphenyl	5.00	U ug/L										
HW08a	Bromophenyl-4 Phenyl Ether	5.00	U ug/L										
HW08a	Butylbenzyl phthalate	0.11	J ug/L	1,400.00	ug/L								
HW08a	Caprolactam	5.00	U ug/L	7,700.00	ug/L								
HW08a	Carbazole	5.00	U ug/L										
HW08a	Chlorobenzenamine-4	5.00	U ug/L	3.20	ug/L								
HW08a	Chloronaphthalene-2	5.00	U ug/L	550.00	ug/L								
HW08a	Chlorophenol-2	5.00	U ug/L	71.00	ug/L								
HW08a	Chlorophenyl-4 phenyl ether	0.03	J ug/L										
HW08a	Chrysene	5.00	U ug/L	290.00	ug/L								
HW08a	Cresol, parachloro meta-	5.00	U ug/L										
HW08a	Cresol-4,6-dinitro-ortho	10.00	U ug/L										
HW08a	Cresol-o	5.00	U ug/L	720.00	ug/L								
HW08a	Cresol-p	5.00	U ug/L	72.00	ug/L								
HW08a	Dibenz(a,h)anthracene	5.00	U ug/L	0.29	ug/L								
HW08a	Dibenzofuran	5.00	U ug/L										

Sample Number	Analyte	Result	Result Units	Trigger Level	Trigger Level Units	EPA Primary MCLs	EPA Primary MCL Units	EPA Secondary MCL	EPA Secondary MCL Units	DEP Primary MCLs	DEP Primary MCL Units	DEP Secondary MCLs	DEP Secondary MCL Units
HW08a	Dichlorobenzidine-3,3'	5.00	U ug/L	11.00	ug/L								
HW08a	Dichlorophenol-2,4	5.00	U ug/L	35.00	ug/L								
HW08a	Dimethylphenol, 2,4-	5.00	U ug/L	270.00	ug/L								
HW08a	Dinitrophenol-2,4	5.00	U ug/L	30.00	ug/L								
HW08a	Dinitrotoluene-2,4	5.00	U ug/L										
HW08a	Dinitrotoluene-2,6	5.00	U ug/L										
HW08a	Ether, bis(2-chloroethyl)	5.00	U ug/L	1.20	ug/L								
HW08a	Ether-bis(2-chloroisopropyl)	5.00	U ug/L										
HW08a	Fluoranthene	5.00	U ug/L	630.00	ug/L								
HW08a	Fluoranthene benzo(k)	5.00	U ug/L	29.00	ug/L								
HW08a	Fluoranthene-benzo(b)	5.00	U ug/L	5.60	ug/L								
HW08a	Fluorene	5.00	U ug/L	220.00	ug/L								
HW08a	Hexachlorobenzene	0.07	J ug/L	4.20	ug/L	1.00	ug/L			1.00	ug/L		
HW08a	Hexachlorobutadiene	0.50	U ug/L	26.00	ug/L								
HW08a	Hexachlorobutadiene	5.00	U ug/L	26.00	ug/L								
HW08a	Hexachlorocyclopentadiene	5.00	U ug/L	22.00	ug/L	50.00	ug/L			50.00	ug/L		
HW08a	Hexachloroethane	5.00	U ug/L	5.10	ug/L								
HW08a	Isophorone	5.00	U ug/L	6,700.00	ug/L								
HW08a	Methane, bis(2-chloroethoxy)	5.00	U ug/L	47.00	ug/L								
HW08a	Methylnaphthalene-2	5.00	U ug/L	27.00	ug/L								
HW08a	Naphthalene	5.00	U ug/L	14.00	ug/L								
HW08a	Naphthalene	0.50	U ug/L	14.00	ug/L								
HW08a	Nitroaniline, ortho	5.00	U ug/L	150.00	ug/L								
HW08a	Nitroaniline-3	5.00	U ug/L										
HW08a	Nitrobenzenamine-4	5.00	U ug/L	61.00	ug/L								
HW08a	Nitrobenzene	5.00	U ug/L	12.00	ug/L								
HW08a	Nitrophenol-2	5.00	U ug/L										
HW08a	Nitrophenol-4	10.00	U ug/L										
HW08a	Nitrosodimethylamine-n	5.00	U ug/L	0.04	ug/L								

Sample Number	Analyte	Result	Result Units	Trigger Level	Trigger Level Units	EPA Primary MCLs	EPA Primary MCL Units	EPA Secondary MCL	EPA Secondary MCL Units	DEP Primary MCLs	DEP Primary MCL Units	DEP Secondary MCLs	DEP Secondary MCL Units
HW08a	Nitrosodiphenylamine-n	5.00	U ug/L	1,000.00	ug/L								
HW08a	Pentachlorophenol	5.00	U ug/L	17.00	ug/L	1.00	ug/L			1.00	ug/L		
HW08a	Perylene-benzo(ghi)	5.00	U ug/L										
HW08a	Phenanthrene	5.00	U ug/L										
HW08a	Phenol	5.00	U ug/L	4,500.00	ug/L								
HW08a	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U ug/L	7.10	ug/L	6.00	ug/L			6.00	ug/L		
HW08a	Phthalate, Dimethyl	5.00	U ug/L	1,400.00	ug/L								
HW08a	Phthalate, di-n-butyl-	5.00	U ug/L	670.00	ug/L								
HW08a	Phthalate, di-n-octyl	0.08	J ug/L										
HW08a	Phthalate-diethyl	5.00	U ug/L	11,000.00	ug/L								
HW08a	Propylamine,n-nitroso di-n-	5.00	U ug/L	0.93	ug/L								
HW08a	Pyrene	0.06	J ug/L	87.00	ug/L								
HW08a	Pyrene-indeno(1,2,3-cd)	5.00	U ug/L	3.00	ug/L								
HW08a	Tetrachlorobenzene, 1,2,4,5-	5.00	U ug/L	1.20	ug/L								
HW08a	Tetrachlorophenol, 2,3,4,6-	5.00	U ug/L	170.00	ug/L								
HW08a	Trichlorophenol-2,4,5	5.00	U ug/L	890.00	ug/L								
HW08a	Trichlorophenol-2,4,6	5.00	U ug/L	9.04	ug/L								
HW08a	TPH - Diesel Range Organics	250.00	U ug/L										
HW08a	TPH - Oil Range Organics	1,000.00	U ug/L										
HW08a	TPH as Gasoline	50.00	U ug/L										
HW08a	4-Methyl-2-pentanone	2.00	U ug/L	1,000.00	ug/L								
HW08a	Acetone	0.80	J ug/L										
HW08a	Benzene	0.50	U ug/L			5.00	ug/L			5.00	ug/L		
HW08a	Bromobenzene	0.50	U ug/L										
HW08a	Bromoform	0.50	U ug/L			80.00	ug/L			80.00	ug/L		
HW08a	Butylbenzene	0.50	U ug/L										
HW08a	Butylbenzene, sec-	0.50	U ug/L										
HW08a	Butylbenzene, tert-	0.50	U ug/L										
HW08a	Carbon disulfide	0.50	U ug/L										

Sample Number	Analyte	Result	Result Units	Trigger Level	Trigger Level Units	EPA Primary MCLs	EPA Primary MCL Units	EPA Secondary MCL	EPA Secondary MCL Units	DEP Primary MCLs	DEP Primary MCL Units	DEP Secondary MCLs	DEP Secondary MCL Units
HW08a	Carbon Tetrachloride	0.50	U ug/L			5.00	ug/L			5.00	ug/L		
HW08a	Chlorobenzene	0.50	U ug/L			100.00	ug/L						
HW08a	Chlorobromomethane	0.50	U ug/L										
HW08a	Chloroethane	0.50	U ug/L										
HW08a	Chloroform	0.50	U ug/L			80.00	ug/L			80.00	ug/L		
HW08a	Chlorotoluene	0.50	U ug/L	180.00	ug/L								
HW08a	Chlorotoluene-p	0.50	U ug/L	190.00	ug/L								
HW08a	Cyclohexane	0.50	U ug/L										
HW08a	DBCP	0.50	U ug/L	0.03	ug/L	0.20	ug/L			0.20	ug/L		
HW08a	Dibromochloromethane	0.50	U ug/L			80.00	ug/L			80.00	ug/L		
HW08a	Dibromoethane-1,2	0.50	U ug/L	0.65	ug/L	0.05	ug/L			0.05	ug/L		
HW08a	Dibromomethane	0.50	U ug/L										
HW08a	Dichlorobenzene-1,2	0.50	U ug/L	280.00	ug/L	600.00	ug/L			600.00	ug/L		
HW08a	Dichlorobenzene-1,3	0.50	U ug/L										
HW08a	Dichlorobenzene-1,4	0.50	U ug/L	42.00	ug/L	75.00	ug/L			75.00	ug/L		
HW08a	Dichlorobromomethane	0.50	U ug/L			80.00	ug/L			80.00	ug/L		
HW08a	Dichlorodifluoromethane	0.50	U ug/L										
HW08a	Dichloroethane-1,1	0.50	U ug/L	240.00	ug/L								
HW08a	Dichloroethane-1,2	0.50	U ug/L	15.00	ugL	5.00	ug/L			5.00	ug/L		
HW08a	Dichloroethene-1,2 trans	0.50	U ug/L										
HW08a	Dichloroethylene-1,1	0.50	U ug/L			7.00	ug/L			7.00	ug/L		
HW08a	Dichloroethylene-1,2 cis	0.50	U ug/L			70.00	ug/L			70.00	ug/L		
HW08a	Dichloropropane, 1,2-	0.50	U ug/L	38.00	ug/L	5.00	ug/L			5.00	ug/L		
HW08a	Dichloropropane, 1,3-	0.50	U ug/L	290.00	ug/L								
HW08a	Dichloropropane, 2,2-	0.50	U ug/L										
HW08a	Dichloropropene, 1,1-	0.50	U ug/L										
HW08a	Dichloropropene, 1,3 cis-	0.50	U ug/L										
HW08a	Dichloropropene, 1,3 trans-	0.50	U ug/L										
HW08a	Ethylbenzene	0.50	U ug/L			700.00	ug/L			700.00	ug/L		

Sample Number	Analyte	Result	Result Units	Trigger Level	Trigger Level Units	EPA Primary MCLs	EPA Primary MCL Units	EPA Secondary MCL	EPA Secondary MCL Units	DEP Primary MCLs	DEP Primary MCL Units	DEP Secondary MCLs	DEP Secondary MCL Units
HW08a	Freon 113	0.50	U ug/L										
HW08a	Hexanone, 2-	2.00	U ug/L	34.00	ug/L								
HW08a	Isopropylbenzene	0.50	U ug/L										
HW08a	Isopropylbenzene-4,methyl-1	0.50	U ug/L										
HW08a	m,p-Xylene	1.00	U ug/L			10,000.00	ug/L			10,000.00	ug/L		
HW08a	Methyl acetate	0.50	U ug/L										
HW08a	Methyl bromide	0.50	U ug/L										
HW08a	Methyl chloride	0.50	U ug/L										
HW08a	Methyl cyclohexane	0.50	U ug/L										
HW08a	Methyl ethyl ketone	2.00	U ug/L	4,900.00	ug/L								
HW08a	Methyl tertiary butyl ether (MTBE)	0.50	U ug/L										
HW08a	Methylene chloride	0.50	U ug/L			5.00	ug/L			5.00	ug/L		
HW08a	Propylbenzene-n	0.50	U ug/L										
HW08a	Styrene	1.00	U ug/L			100.00	ug/L			100.00	ug/L		
HW08a	Tetrachloroethane, 1,1,1,2-	0.50	U ug/L	50.00	ug/L								
HW08a	Tetrachloroethane, 1,1,2,2-	0.50	U ug/L	6.60	ug/L								
HW08a	Tetrachloroethylene	0.50	U ug/L			5.00	ug/L			5.00	ug/L		
HW08a	Toluene	0.50	U ug/L			1,000.00	ug/L			1,000.00	ug/L		
HW08a	Trichlorobenzene-1,2,3	0.50	U ug/L	5.20	ug/L								
HW08a	Trichlorobenzene-1,2,4	0.50	U ug/L	5.20	ug/L	70.00	ug/L			70.00	ug/L		
HW08a	Trichloroethane-1,1,1	0.50	U ug/L	7,500.00	ug/L	200.00	ug/L			200.00	ug/L		
HW08a	Trichloroethane-1,1,2	0.50	U ug/L	0.41	ug/L	5.00	ug/L			5.00	ug/L		
HW08a	Trichloroethylene	0.50	U ug/L			5.00	ug/L			5.00	ug/L		
HW08a	Trichlorofluoromethane	0.50	U ug/L										
HW08a	Trichloropropane-1,2,3	0.50	U ug/L	0.07	ug/L								
HW08a	Trimethylbenzene-1,2,4	0.50	U ug/L	15.00	ug/L								
HW08a	Trimethylbenzene-1,3,5	0.50	U ug/L	87.00	ug/L								
HW08a	Vinyl acetate	0.50	U ug/L										
HW08a	Vinyl chloride	0.50	U ug/L			2.00	ug/L			2.00	ug/L		



Sample Number	Analyte	Result	Result Units	Trigger Level	Trigger Level Units	EPA Primary MCLs	EPA Primary MCL Units	EPA Secondary MCL	EPA Secondary MCL Units	DEP Primary MCLs	DEP Primary MCL Units	DEP Secondary MCLs	DEP Secondary MCL Units
HW08a	Xylene-o	1.00 U	ug/L			10,000.00	ug/L			10,000.00	ug/L		
HW08a	Nitrogen, Nitrite + Nitrate	0.19	mg/L			10.00	mg/L			10.00	mg/L		
HW08a	Total Nitrogen	1.00 U	mg/L										
HW08a	Total Phosphorus as P	0.05 U	mg/L										