

Date of Issue: 02/12/2009 13:04:31
DEP Bureau Of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg , PA 17105-1467

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Contact Phone Number: (717) 346-7200

Analytical Report FOR
Oil And Gas Mgmt

Sample ID: 4530 122 01/26/2009 Status: COMPLETED

Name of Sample Collector: Michael O'Donnell
Date Sample was Collected: 01/26/2009 11:50:00 AM

County: Susquehanna State: PA
Municipality: Dimock Twp

RICHARD SEYMOUR
RR 6 BOX 6177A
MONTROSE PA 18801-

Sample Medium: Water
Sample Medium Type: Ground Water

Location: NOT INDICATED
Reason: Complaint

Sample taken from basement sink. Water run for approximately 5
minutes before sample was taken.

Appearance: Sample appears clear

Laboratory Sample ID: O2009000386
Suite: METH

COMPLETED

(continued)

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Oil And Gas Mgmt

Sample ID: 4530 122 01/26/2009 Status: COMPLETED

Legal Seal: G039200 Intact: YES

Test/Codes CAS# - Description Approver Test Method	Reported Results	Date Approved
74828 Methane DACLEMENS	395 UG/L	02/02/2009
74851 Ethene DACLEMENS	19.8 UG/L (U)	02/02/2009
74840 Ethane DACLEMENS	19.8 UG/L (U)	02/02/2009
74986 Propane DACLEMENS	19.8 UG/L (U)	02/02/2009

(continued)

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Sample ID: 4530 122 01/26/2009 Status: COMPLETED

The results of the analyses provided in this laboratory report relate only
to the sample(s) identified in the report.

Taru Upadhyay, Technical Director, Bureau of Laboratories

End of Report

(continued)

ORGANICS LABORATORY QUALIFIERS

- U - Indicates compound was analyzed for but not detected. The sample quantitation limit is reported.
- J - Indicates an estimated value, below the quantification limit, but above the method detection limit.
- N - Indicates presumptive evidence of a compound.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- P - This flag is used with a target analyte when there is greater than a 25% difference between the results obtained from the primary and confirmation columns for dual column analysis methods. (ie, pesticides, triazines, PCB's, etc). The reported value is the average of the two results.
- Q - This flag identifies the average of multiple results from multiple analysis, or the average of the averages of dual column analysis methods.
- (Underline) - The compound is present at the amount reported. No flag.
- X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

SERVER

GAS MIGRATION INVESTIGATION

~~F~~ SEYMOUR WATER

Seymour	5/28/2008	9/14/2008
	Quantum	Quantum
pH	8.21	7.71
TSS		<2.0
TDS	133	125
SPC		
Alkalinity	120	
Hardness	110	
Na		
Ca		
Chloride	15.5	15.8
Fe	<0.1	0.103
Mg		6.17
K		
Ba	0.24	
Al		
Mn	<0.010	
Sr		
Hg		
Turbidity		
Nitrite-N	<0.010	
Nitrate-N	<1.00	
Se		
Tl		
Ni		
Cd		
Cr		
Sb		
Be		
As		
Sulfate		
Cu	<0.025	
Zn		
Color		
Total Phospho	<0.05	
MBAS	<0.020	<0.020

Pb	<0.001	
Sulfide		1.1
Oil & Grease		<5.0
Coliform		0
Benzene	<0.0005	<0.0005
Toluene	<0.0005	<0.0005
Ethylbenzene	<0.0005	<0.0005
m,p-Xylenes	<0.001	<0.001
o-Xylene	<0.0005	<0.0005
MTBE	<0.0005	<0.0005
LEL		<1%
Dichlorodifluor	<0.0005	
Chloromethane	<0.0005	
Vinyl Chloride	<0.0005	
Bromomethane	<0.0005	
Chloroethane	<0.0005	
Trichlorotrifluo	<0.0005	
1,1-Dichloroeth	<0.0005	
Methylene Chl	<0.0005	
trans-1,2-Dichl	<0.0005	
1,1-Dichloroeth	<0.0005	
cis-1,2-Dichlor	<0.0005	
2,2-Dichloropr	<0.0005	
Bromochlorom	<0.0005	
Chloroform	<0.0005	
Carbon Tetrac	<0.0005	
1,1,1-Trichloro	<0.0005	
1,1-Dichloropr	<0.0005	
1,2-Dichloroeth	<0.0005	
Trichloroethen	<0.0005	
Dibromometha	<0.0005	
1,2-Dichloropr	<0.0005	
Bromodichloro	<0.0005	
cis-1,3-Dichlor	<0.0005	
Tetrachloroeth	<0.0005	
trans-1,3-Dichl	<0.0005	
1,1,2-Trichloro	<0.0005	

1/5/2009	12/17/2008	12/17/2008	MCL
BOGM	WSM	WSM	
	SAC 160	SAC 161	
8	8.1		6.5-8.5
198	192		500
268			
117.4			
105			
12.7	12.6		
31.6			
	7.16		250
0.707	0.041		0.3
6.425	6.456		
1.383			
0.24		0.254	2
<0.2	0.01		0.2
0.029	0.016		0.05
0.668			
		<0.0002	
		0.40 NTU	
		<0.01	
		1.01	
		<0.007	
		<0.002	
		<0.050	
		<0.0002	
		<0.004	
		<0.002	
		<0.001	
		<0.003	
	9.88		
	0.046		
	<0.010		
	<5 PT/C		