**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**
**Region 2 Laboratory**
**2890 Woodbridge Avenue**
**Edison , New Jersey 08837**
**732-906-6886 Phone**
**732-906-6165 Fax**

February 09, 2012

Stevie Wilding
US EPA Region 3 Environmental Science Center
701 Mapes Road
Fort Meade, MD 20755

RE: Dimock Residential GW Site- 1201028

Enclosed are the results of analyses for samples received by the laboratory between 02/08/2012 and 02/09/2012. The signature below reflects the laboratory's approval of the reported results. If you have any questions concerning this report, please refer to Project Number 1201028 and contact John Birri by phone at 732-906-6886, or via Email at birri.john@epa.gov.

Sincerely,

John R. Bourbon
Chief, DESA/LB

 DIM0280018

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**
**Region 2 Laboratory**

**Project:Dimock Residential GW Site- 1201028**

**Project Number: 1201028**

## Project Narrative:

The National Environmental Laboratory Accreditation Conference (NELAC) is a voluntary environmental laboratory accreditation association of State and Federal agencies. NELAC established and promoted a national accreditation program that provides a uniform set of standards for the generation of environmental data that are of known and defensible quality. The EPA Region 2 Laboratory is NELAC accredited. The Laboratory tests that are accredited have met all the requirements established under the NELAC Standards.

Condition Comments

None

Comment(s):

None

Data Qualifier(s):

U- The analyte was not detected at or above the Reporting Limit.
J- The identification of the analyte is acceptable; the reported value is an estimate.
K- The identification of the analyte is acceptable; the reported value may be biased high.
L- The identification of the analyte is acceptable; the reported value may be biased low.
NJ- There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification. The reported value is an estimate.

Reporting Limit(s):

The Laboratory was able to achieve the appropriate limits for each analyte requested.

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SUMMARY REPORT FOR SAMPLES

| Field ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| FB12 | 1202014-01 | Aqueous | 02/07/2012 13:35 | 02/08/2012 08:00 |
| HW15a | 1202014-02 | Aqueous | 02/07/2012 10:47 | 02/08/2012 08:00 |
| HW15a-P | 1202014-03 | Aqueous | 02/07/2012 10:55 | 02/08/2012 08:00 |
| HW31 | 1202014-04 | Aqueous | 02/06/2012 18:20 | 02/08/2012 08:00 |
| HW31-P | 1202014-05 | Aqueous | 02/06/2012 18:28 | 02/08/2012 08:00 |
| HW31z | 1202014-06 | Aqueous | 02/06/2012 18:20 | 02/08/2012 08:00 |
| HW51 | 1202014-07 | Aqueous | 02/07/2012 13:48 | 02/08/2012 08:00 |
| HW51-P | 1202014-08 | Aqueous | 02/07/2012 13:56 | 02/08/2012 08:00 |
| FB13 | 1202018-01 | Aqueous | 02/08/2012 09:00 | 02/09/2012 08:00 |
| HW23 | 1202018-02 | Aqueous | 02/08/2012 15:42 | 02/09/2012 08:00 |
| HW23-P | 1202018-03 | Aqueous | 02/08/2012 15:39 | 02/09/2012 08:00 |
| HW38 | 1202018-04 | Aqueous | 02/08/2012 10:41 | 02/09/2012 08:00 |
| HW38-P | 1202018-05 | Aqueous | 02/08/2012 10:52 | 02/09/2012 08:00 |
| HW47 | 1202018-06 | Aqueous | 02/08/2012 11:50 | 02/09/2012 08:00 |
| HW47-P | 1202018-07 | Aqueous | 02/08/2012 12:25 | 02/09/2012 08:00 |
| HW48 | 1202018-08 | Aqueous | 02/08/2012 16:06 | 02/09/2012 08:00 |
| HW48z | 1202018-09 | Aqueous | 02/08/2012 16:06 | 02/09/2012 08:00 |

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**SUMMARY REPORT FOR METHODS**

| Analysis | Method | Certification | Matrix |
|---|---|---|---|
| Anionic Surfactants | SM 5540 C / SOP C-61 | | Aqueous |

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**
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**Project:Dimock Residential GW Site- 1201028**

**Project Number: 1201028**

| Analyte | Result | Qualifier | Reporting Limit | Units | Batch |
|---|---|---|---|---|---|
| **Field ID: FB12** | | | | **Sample ID: 1202014-01** | |
| **Sanitary** | | | | | |
| Anionic Surfactants | --- | U | 0.010 | mg/L | B202043 |
| **Field ID: HW15a** | | | | **Sample ID: 1202014-02** | |
| **Sanitary** | | | | | |
| Anionic Surfactants | --- | U | 0.010 | mg/L | B202043 |
| **Field ID: HW15a-P** | | | | **Sample ID: 1202014-03** | |
| **Sanitary** | | | | | |
| Anionic Surfactants | --- | U | 0.010 | mg/L | B202043 |
| **Field ID: HW31** | | | | **Sample ID: 1202014-04** | |
| **Sanitary** | | | | | |
| Anionic Surfactants | 0.029 | | 0.010 | mg/L | B202043 |
| **Field ID: HW31-P** | | | | **Sample ID: 1202014-05** | |
| **Sanitary** | | | | | |
| Anionic Surfactants | --- | U | 0.010 | mg/L | B202043 |
| **Field ID: HW31z** | | | | **Sample ID: 1202014-06** | |
| **Sanitary** | | | | | |
| Anionic Surfactants | 0.029 | | 0.010 | mg/L | B202043 |
| **Field ID: HW51** | | | | **Sample ID: 1202014-07** | |
| **Sanitary** | | | | | |

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**Project:Dimock Residential GW Site- 1201028**

**Project Number: 1201028**

| Analyte | Result | Qualifier | Reporting Limit | Units | Batch |
|---|---|---|---|---|---|
| **Field ID: HW51** | | | | **Sample ID: 1202014-07** | |
| **Sanitary** | | | | | |
| Anionic Surfactants | --- | U | 0.010 | mg/L | B202043 |
| **Field ID: HW51-P** | | | | **Sample ID: 1202014-08** | |
| **Sanitary** | | | | | |
| Anionic Surfactants | --- | U | 0.010 | mg/L | B202043 |
| **Field ID: FB13** | | | | **Sample ID: 1202018-01** | |
| **Sanitary** | | | | | |
| Anionic Surfactants | --- | U | 0.010 | mg/L | B202050 |
| **Field ID: HW23** | | | | **Sample ID: 1202018-02** | |
| **Sanitary** | | | | | |
| Anionic Surfactants | --- | U | 0.010 | mg/L | B202050 |
| **Field ID: HW23-P** | | | | **Sample ID: 1202018-03** | |
| **Sanitary** | | | | | |
| Anionic Surfactants | --- | U | 0.010 | mg/L | B202050 |
| **Field ID: HW38** | | | | **Sample ID: 1202018-04** | |
| **Sanitary** | | | | | |
| Anionic Surfactants | --- | U | 0.010 | mg/L | B202050 |
| **Field ID: HW38-P** | | | | **Sample ID: 1202018-05** | |
| **Sanitary** | | | | | |

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**Project:Dimock Residential GW Site- 1201028**

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| Analyte | Result | Qualifier | Reporting Limit | Units | Batch |
|---|---|---|---|---|---|
| **Field ID: HW38-P** | | | | **Sample ID: 1202018-05** | |
| **Sanitary** | | | | | |
| Anionic Surfactants | --- | U | 0.010 | mg/L | B202050 |
| **Field ID: HW47** | | | | **Sample ID: 1202018-06** | |
| **Sanitary** | | | | | |
| Anionic Surfactants | 0.014 | | 0.010 | mg/L | B202050 |
| **Field ID: HW47-P** | | | | **Sample ID: 1202018-07** | |
| **Sanitary** | | | | | |
| Anionic Surfactants | --- | U | 0.010 | mg/L | B202050 |
| **Field ID: HW48** | | | | **Sample ID: 1202018-08** | |
| **Sanitary** | | | | | |
| Anionic Surfactants | --- | U | 0.010 | mg/L | B202050 |
| **Field ID: HW48z** | | | | **Sample ID: 1202018-09** | |
| **Sanitary** | | | | | |
| Anionic Surfactants | 0.017 | | 0.010 | mg/L | B202050 |

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**Sanitary - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B202043** | | | | | | | | | |
| **LCS (B202043-BS1)** | | | | | | | | | |
| Anionic Surfactants | 0.51 | 0.010 | mg/L | 0.5240 | | 97 | 85-115 | | |
| **LCS Dup (B202043-BSD1)** | | | | | | | | | |
| Anionic Surfactants | 0.51 | 0.010 | mg/L | 0.5240 | | 97 | 85-115 | 0 | 20 |
| **Matrix Spike (B202043-MS1)** | | **Source: 1202014-02** | | | | | | | |
| Anionic Surfactants | 0.52 | 0.010 | mg/L | 0.5000 | 0.00480 | 102 | 80-120 | | |
| **Batch B202050** | | | | | | | | | |
| **LCS (B202050-BS1)** | | | | | | | | | |
| Anionic Surfactants | 0.54 | 0.010 | mg/L | 0.5240 | | 102 | 85-115 | | |
| **LCS Dup (B202050-BSD1)** | | | | | | | | | |
| Anionic Surfactants | 0.57 | 0.010 | mg/L | 0.5240 | | 108 | 85-115 | 5 | 20 |
| **Matrix Spike (B202050-MS1)** | | **Source: 1202018-02** | | | | | | | |
| Anionic Surfactants | 0.46 | 0.010 | mg/L | 0.5000 | 0.00 | 92 | 80-120 | | |