

**WEEKLY PROGRESS UPDATE
FOR OCTOBER 28 – NOVEMBER 1, 2002**

**EPA REGION I ADMINISTRATIVE ORDERS SDWA 1-97-1019 & 1-2000-0014
MASSACHUSETTS MILITARY RESERVATION
TRAINING RANGE AND IMPACT AREA**

The following summary of progress is for the period from October 28 through November 1, 2002.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of November 1 is summarized in Table 1.

| Table 1. Drilling progress as of November 1, 2002 | | | | |
|--|-------------------------------|-----------------------------|---------------------------------|--|
| Boring Number | Purpose of Boring/Well | Total Depth (ft bgs) | Saturated Depth (ft bwt) | Completed Well Screens (ft bgs) |
| MW-244 | J-1 Range (J1P-1) | 304 | 184 | 270-280; 118-128 |
| MW-245 | J-1 Range (J1P-17) | 319 | 195 | 244-254; 122-132 |
| MW-246 | J-3 Range (J3P-20) | 255 | 192 | |
| MW-247 | J-3 Range (J3P-22) | 170 | 146 | |
| bgs = below ground surface bwt = below water table | | | | |

Completed well installation of MW-244 (J1P-1) and MW-245 (J1P-17), and completed drilling of MW-246 (J3P-20) and MW-247 (J3P-22). Well development continued for newly installed wells.

Samples collected during the reporting period are summarized in Table 2. Groundwater profile samples were collected from MW-245, MW-246, and MW-247. Groundwater samples were collected from Bourne water supply and monitoring wells, recently installed wells and as part of the October Quarterly LTGM. Water samples were collected from the GAC treatment system. Soil samples were collected from Demo Area 1 as part of the Supplemental Post-Screening Investigation.

As part of the Munitions Survey Project, pre-detonation and post-detonation soil samples were collected from the J-2 Range. Soil samples were also collected from J-2 Range anomaly excavations.

The IAGWSP Technical Team meeting, originally scheduled for October 31, 2002, was cancelled.

2. SUMMARY OF DATA RECEIVED

Rush data are summarized in Table 3. These data are for analyses that are performed on a fast turnaround time, typically 1-5 days. Explosive analyses for monitoring wells, and explosive and volatile organic compound (VOC) analyses for groundwater profile samples, are conducted in this timeframe, as well as any analyses pursuant to a special request. The rush data are not validated, but are provided as an indication of the most recent preliminary results. Table 3 summarizes only detects, and does not show samples with non-detects.

The status of the explosive detections with respect to confirmation using Photo Diode Array (PDA) spectra is indicated in Table 3. PDA is a procedure that has been implemented for the explosive analysis, to reduce the likelihood of false positive identifications. Where the PDA status is "YES" in Table 3, the detected compound is verified as properly identified. Where the status is "NO", the identification of an explosive has been determined to be a false positive. Where the status is blank, PDA has not yet been used to evaluate the detection, or PDA is not applicable because the analyte is a VOC or perchlorate. Most explosive detections verified by PDA are confirmed to be present upon completion of validation. Table 3 includes the following detections:

Table 3 includes detections from the following areas:

Bourne Wellfield

- Groundwater samples from 4036000-03G, 01-1, 1-88A, 02-07M3, 02-08M2, M3, and 02-13M1, M2 had detections of perchlorate. The results were similar to the previous sampling rounds.
- Groundwater samples from 00-1 had a detection of perchlorate. This is the first sampling event at this well.
- Groundwater samples from 00-1D and 02-04M2 had detections of TCE. The results were similar to the previous sampling rounds.
- Groundwater samples from 00-2D had detections of 2,6-DNT and TCE. The detection of 2,6-DNT was confirmed by PDA spectra. Nitroglycerin was also detected but not confirmed by PDA spectra. This is the first sampling event at this well. The sample is being reanalyzed using Mass Spectrometry to confirm the detection of 2,6-DNT.
- Groundwater samples from 00-2S had a detection of acetone. This is the first sampling event at this well.
- Groundwater samples from 00-4D had a detection of chloromethane. This is the first detection of chloromethane in this well.
- Twenty groundwater samples and duplicate samples had detections of chloroform.

Southeast Ranges

- Groundwater samples from MW-191M1 had a detection of RDX that was confirmed by PDA spectra. The results were similar to the previous sampling rounds.

- Groundwater samples from MW-191S had detections of RDX and HMX that were confirmed by PDA spectra. This is the first time explosives have been detected in this well.
- Groundwater samples from MW-234M1 had a detection of perchlorate. This is the first sampling event and the results were consistent with the profile results.
- Profile samples from MW-245 (J1P-17) had detections of explosives and VOCs. RDX was detected and confirmed by PDA spectra in ten intervals between 6 and 76 feet, 96 feet, 106 feet, and 126 feet below the water table. 1,3,5-Trinitrobenzene was detected and confirmed by PDA spectra but with interference at 16 feet below the water table. Well screens were set at the water table corresponding to the highest RDX detections (122 to 132 ft bgs) and at the depth (244 to 254 ft bgs) that the forward particle track from MW-164M2 intersected the MW-245 borehole.

DELIVERABLES SUBMITTED

| | |
|--|------------|
| Final Summary Report – January – March 2001 UXO Detonations, MMR-6734 | 10/31/2002 |
| Final Summary Report – April – June 2001 UXO Detonations, MMR-6737 | 10/31/2002 |
| Final Summary Report – July – September 2001 UXO Detonations, MMR-6767 | 10/31/2002 |
| Final Summary Report – October – December 2001 UXO Detonations, MMR-6789 | 10/31/2002 |
| Final Summary Report – July 2000 UXO Detonations, MMR-6692 | 10/31/2002 |
| Final Summary Report – August 2000 UXO Detonations, MMR-6696 | 10/31/2002 |
| Final Summary Report – September 2000 UXO Detonations, MMR-6698 | 10/31/2002 |
| Final Summary Report – October – December 2000 UXO Detonations, MMR-6712 | 10/31/2002 |

3. SCHEDULED ACTIONS

Scheduled actions for the week of November 3 include complete well installation of MW-246 (J3P-20) and MW-247 (J3P-22) and commence drilling of MW-248 (D1P-16), J3P-19, and CIAP-14.

4. SUMMARY OF ACTIVITIES FOR DEMO 1

Additional delineation of the downgradient portion of the groundwater plume is being conducted prior to finalizing the Feasibility Study for the Groundwater Operable Unit and as the Interim Action for groundwater remediation is being designed. Pumping and treating groundwater at the toe of the Demo 1 plume and at Frank Perkins Road has been selected as an Interim Action to address the Demo 1 Area Groundwater Operable Unit. A Rapid Response Action/Release Abatement Measure (RRA/RAM) is also being planned to address soil contamination at Demo 1. UXO clearance at proposed monitoring well location D1P-16 was completed. Soil sampling, to provide additional delineation of the extent of contamination, will continue this week.

TABLE 2
 SAMPLING PROGRESS
 10/26/2002 - 11/02/2002

| OGDEN_ID | LOCID OR WELL ID | DATE SAMPLED | SAMPLE TYPE | SBD | SED | BWTS | BWTE |
|-----------------|------------------|--------------|-------------|-------|--------|-------|-------|
| 0.G.0.0UR06.0.E | FIELDQC | 10/30/2002 | FIELDQC | 0.00 | 0.00 | | |
| 0.G.0.0UR07.0.E | FIELDQC | 10/31/2002 | FIELDQC | 0.00 | 0.00 | | |
| G245DRE | FIELDQC | 10/28/2002 | FIELDQC | 0.00 | 0.00 | | |
| G246DAE | FIELDQC | 10/30/2002 | FIELDQC | 0.00 | 0.00 | | |
| G246DIE | FIELDQC | 10/31/2002 | FIELDQC | 0.00 | 0.00 | | |
| G246DIT | FIELDQC | 10/31/2002 | FIELDQC | 0.00 | 0.00 | | |
| G246DTT | FIELDQC | 11/01/2002 | FIELDQC | 0.00 | 0.00 | | |
| G247DOE | FIELDQC | 11/01/2002 | FIELDQC | 0.00 | 0.00 | | |
| HC12BA1AAE | FIELDQC | 10/28/2002 | FIELDQC | 0.00 | 0.00 | | |
| HC12BE1AAE | FIELDQC | 10/29/2002 | FIELDQC | 0.00 | 0.00 | | |
| HC12BP1BAE | FIELDQC | 11/01/2002 | FIELDQC | 0.00 | 0.00 | | |
| HC12BQ1AAE | FIELDQC | 10/30/2002 | FIELDQC | 0.00 | 0.00 | | |
| HC12BT1AAE | FIELDQC | 10/31/2002 | FIELDQC | 0.00 | 0.00 | | |
| OW00-1D-E | FIELDQC | 10/29/2002 | FIELDQC | 0.00 | 0.00 | | |
| TW00-4D-E | FIELDQC | 10/31/2002 | FIELDQC | 0.00 | 0.00 | | |
| TW00-4DA-E | FIELDQC | 10/31/2002 | FIELDQC | 0.00 | 0.00 | | |
| W197M1E | FIELDQC | 10/28/2002 | FIELDQC | 0.00 | 0.00 | | |
| W197M2E | FIELDQC | 10/29/2002 | FIELDQC | 0.00 | 0.00 | | |
| W197M2T | FIELDQC | 10/29/2002 | FIELDQC | 0.00 | 0.00 | | |
| W197M3E | FIELDQC | 10/30/2002 | FIELDQC | 0.00 | 0.00 | | |
| W197M3T | FIELDQC | 10/30/2002 | FIELDQC | 0.00 | 0.00 | | |
| W198M1E | FIELDQC | 10/31/2002 | FIELDQC | 0.00 | 0.00 | | |
| W198M4E | FIELDQC | 11/01/2002 | FIELDQC | 0.00 | 0.00 | | |
| W215M1T | FIELDQC | 10/28/2002 | FIELDQC | 0.00 | 0.00 | | |
| 4036000-01G | 4036000-01G | 10/29/2002 | GROUNDWATER | | | 6.00 | 12.00 |
| 4036000-01GD | 4036000-01G | 10/29/2002 | GROUNDWATER | | | 6.00 | 12.00 |
| 4036000-03G | 4036000-03G | 10/29/2002 | GROUNDWATER | 50.00 | 60.00 | 6.00 | 12.00 |
| 4036000-04G | 4036000-04G | 10/29/2002 | GROUNDWATER | | | 6.00 | 12.00 |
| 4036000-06G | 4036000-06G | 10/29/2002 | GROUNDWATER | | | 6.00 | 12.00 |
| 4261000-03G | 4261000-03G | 10/30/2002 | GROUNDWATER | | 60.00 | | |
| 4261000-04G | 4261000-04G | 10/30/2002 | GROUNDWATER | | | | |
| 4261000-06G | 4261000-06G | 10/30/2002 | GROUNDWATER | | | | |
| 4261000-07G | 4261000-07G | 10/30/2002 | GROUNDWATER | | | | |
| 4261000-08G | 4261000-08G | 10/30/2002 | GROUNDWATER | | | | |
| 4261000-09G | 4261000-09G | 10/30/2002 | GROUNDWATER | | | | |
| 4261000-10G | 4261000-10G | 10/30/2002 | GROUNDWATER | | | | |
| 4261000-11G | 4261000-11G | 10/30/2002 | GROUNDWATER | | | | |
| 4261000-11GD | 4261000-11G | 10/30/2002 | GROUNDWATER | | | | |
| 4261020-01G | 4261020-01G | 10/30/2002 | GROUNDWATER | | | | |
| OW00-1D-A | 00-1D | 10/29/2002 | GROUNDWATER | 91.00 | 97.00 | 48.30 | 54.30 |
| TW00-4DA-A | 00-4D | 10/31/2002 | GROUNDWATER | | 85.00 | | 55.60 |
| TW00-4DB-A | 00-4D | 10/31/2002 | GROUNDWATER | | 75.00 | | 45.60 |
| TW1-88AA | 1-88 | 10/29/2002 | GROUNDWATER | | 102.90 | 0.00 | 67.40 |
| USCGANTST-A | USCGANTST | 10/31/2002 | GROUNDWATER | | | | |

Profiling methods include: Volatiles, Explosives and Perchlorate

Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry

Other Sample Types methods are variable

SBD = Sample Begin Depth, measured in feet bgs

SED = Sample End Depth, measured in feet bgs

BWTS = Depth below water table, start depth, measured in feet

BWTE = Depth below water table, end depth, measured in feet

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 10/26/2002 - 11/02/2002

| OGDEN_ID | LOCID OR WELL ID | DATE SAMPLED | SAMPLE TYPE | SBD | SED | BWTS | BWTE |
|-------------|------------------|--------------|-------------|--------|--------|--------|--------|
| W02-07M1A | 02-07 | 10/30/2002 | GROUNDWATER | 135.00 | 145.00 | 101.14 | 111.14 |
| W02-07M2A | 02-07 | 10/30/2002 | GROUNDWATER | 107.00 | 117.00 | 72.86 | 82.86 |
| W02-07M3A | 02-07 | 10/30/2002 | GROUNDWATER | 47.00 | 57.00 | 13.00 | 23.00 |
| W02-08M1A | 02-08 | 10/30/2002 | GROUNDWATER | 108.00 | 113.00 | 86.56 | 91.56 |
| W02-08M2A | 02-08 | 10/31/2002 | GROUNDWATER | 82.00 | 87.00 | 60.65 | 65.65 |
| W02-08M3A | 02-08 | 10/31/2002 | GROUNDWATER | 62.00 | 67.00 | 40.58 | 45.58 |
| W02-09SSA | 02-09 | 10/28/2002 | GROUNDWATER | 7.00 | 17.00 | 0.00 | 10.00 |
| W02-10M3A | 02-10 | 10/28/2002 | GROUNDWATER | 85.00 | 95.00 | 43.65 | 53.65 |
| W02-10M3D | 02-10 | 10/28/2002 | GROUNDWATER | 85.00 | 95.00 | 43.65 | 53.65 |
| W02-12M1A | 02-12 | 10/29/2002 | GROUNDWATER | 109.00 | 119.00 | 58.35 | 68.35 |
| W02-12M2A | 02-12 | 10/29/2002 | GROUNDWATER | 94.00 | 104.00 | 43.21 | 53.21 |
| W02-12M3A | 02-12 | 10/29/2002 | GROUNDWATER | 79.00 | 89.00 | 28.22 | 38.22 |
| W02-13M1A | 02-13 | 10/30/2002 | GROUNDWATER | 98.00 | 108.00 | 58.33 | 68.33 |
| W02-13M2A | 02-13 | 10/30/2002 | GROUNDWATER | 83.00 | 93.00 | 44.20 | 54.20 |
| W02-13M3A | 02-13 | 10/30/2002 | GROUNDWATER | 68.00 | 78.00 | 28.30 | 38.30 |
| W197M1A | MW-197 | 10/28/2002 | GROUNDWATER | 120.00 | 125.00 | 99.60 | 104.60 |
| W197M2A | MW-197 | 10/29/2002 | GROUNDWATER | 80.00 | 85.00 | 59.30 | 64.30 |
| W197M3A | MW-197 | 10/30/2002 | GROUNDWATER | 60.00 | 65.00 | 39.40 | 44.40 |
| W198M1A | MW-198 | 10/31/2002 | GROUNDWATER | 150.00 | 155.00 | 127.80 | 132.80 |
| W198M4A | MW-198 | 11/01/2002 | GROUNDWATER | 70.00 | 75.00 | 48.40 | 53.40 |
| W204M1A | MW-204 | 10/31/2002 | GROUNDWATER | 141.00 | 151.00 | 81.00 | 91.00 |
| W204M2A | MW-204 | 10/31/2002 | GROUNDWATER | 76.00 | 86.00 | 17.20 | 27.20 |
| W205DDA | MW-205 | 10/31/2002 | GROUNDWATER | 266.00 | 276.00 | 167.60 | 177.60 |
| W205DDD | MW-205 | 10/31/2002 | GROUNDWATER | 266.00 | 276.00 | 167.60 | 177.60 |
| W205M1A | MW-205 | 10/30/2002 | GROUNDWATER | 167.00 | 177.00 | 67.60 | 77.60 |
| W210M1A | MW-210 | 10/28/2002 | GROUNDWATER | 201.00 | 211.00 | 99.69 | 109.69 |
| W210M2A | MW-210 | 10/28/2002 | GROUNDWATER | 156.00 | 166.00 | 54.69 | 64.69 |
| W211M1A | MW-211 | 10/28/2002 | GROUNDWATER | 200.00 | 210.00 | 55.00 | 65.00 |
| W211M1D | MW-211 | 10/28/2002 | GROUNDWATER | 200.00 | 210.00 | 55.00 | 65.00 |
| W211M2A | MW-211 | 10/29/2002 | GROUNDWATER | 175.00 | 185.00 | 29.70 | 39.70 |
| W211M3A | MW-211 | 10/28/2002 | GROUNDWATER | 150.00 | 160.00 | 5.01 | 15.01 |
| W215M1A | MW-215 | 10/28/2002 | GROUNDWATER | 240.00 | 250.00 | 133.85 | 143.85 |
| W215M2A | MW-215 | 10/28/2002 | GROUNDWATER | 205.00 | 215.00 | 98.90 | 108.90 |
| W215SSA | MW-215 | 10/28/2002 | GROUNDWATER | 104.00 | 114.00 | 0.00 | 7.80 |
| W221M1A | MW-221 | 11/01/2002 | GROUNDWATER | 216.00 | 226.00 | 70.79 | 80.79 |
| W221M1D | MW-221 | 11/01/2002 | GROUNDWATER | 216.00 | 226.00 | 70.79 | 80.79 |
| W221M2A | MW-221 | 11/01/2002 | GROUNDWATER | 178.00 | 188.00 | 32.85 | 42.85 |
| W221M3A | MW-221 | 11/01/2002 | GROUNDWATER | 156.00 | 166.00 | 10.86 | 20.86 |
| W222M1A | MW-222 | 11/01/2002 | GROUNDWATER | 240.00 | 250.00 | 123.76 | 133.76 |
| W222M2A | MW-222 | 11/01/2002 | GROUNDWATER | 185.00 | 195.00 | 68.58 | 78.58 |
| DW103102-NV | GAC WATER | 10/31/2002 | IDW | | | | |
| G245DRA | MW-245 | 10/28/2002 | PROFILE | 300.00 | 280.00 | 176.10 | 176.10 |
| G245DSA | MW-245 | 10/28/2002 | PROFILE | 310.00 | 290.00 | 186.10 | 186.10 |
| G245DTA | MW-245 | 10/28/2002 | PROFILE | 319.00 | 319.00 | 196.10 | 196.10 |

Profiling methods include: Volatiles, Explosives and Perchlorate

Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry

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10/26/2002 - 11/02/2002

| OGDEN_ID | LOCID OR WELL ID | DATE SAMPLED | SAMPLE TYPE | SBD | SED | BWTS | BWTE |
|------------|------------------|--------------|-------------|--------|--------|--------|--------|
| G246DAA | MW-246 | 10/30/2002 | PROFILE | 65.00 | 65.00 | 2.30 | 2.30 |
| G246DBA | MW-246 | 10/30/2002 | PROFILE | 70.00 | 70.00 | 7.30 | 7.30 |
| G246DCA | MW-246 | 10/30/2002 | PROFILE | 80.00 | 80.00 | 17.30 | 17.30 |
| G246DDA | MW-246 | 10/30/2002 | PROFILE | 90.00 | 90.00 | 27.30 | 27.30 |
| G246DEA | MW-246 | 10/30/2002 | PROFILE | 100.00 | 100.00 | 37.30 | 37.30 |
| G246DFA | MW-246 | 10/30/2002 | PROFILE | 110.00 | 110.00 | 47.30 | 47.30 |
| G246DFD | MW-246 | 10/30/2002 | PROFILE | 110.00 | 110.00 | 47.30 | 47.30 |
| G246DGA | MW-246 | 10/30/2002 | PROFILE | 120.00 | 120.00 | 57.30 | 57.30 |
| G246DHA | MW-246 | 10/30/2002 | PROFILE | 130.00 | 130.00 | 67.30 | 67.30 |
| G246DIA | MW-246 | 10/31/2002 | PROFILE | 140.00 | 140.00 | 77.30 | 77.30 |
| G246DJA | MW-246 | 10/31/2002 | PROFILE | 150.00 | 150.00 | 87.30 | 87.30 |
| G246DKA | MW-246 | 10/31/2002 | PROFILE | 160.00 | 160.00 | 97.30 | 97.30 |
| G246DLA | MW-246 | 10/31/2002 | PROFILE | 170.00 | 170.00 | 107.30 | 107.30 |
| G246DMA | MW-246 | 10/31/2002 | PROFILE | 180.00 | 180.00 | 117.30 | 117.30 |
| G246DNA | MW-246 | 10/31/2002 | PROFILE | 190.00 | 190.00 | 127.30 | 127.30 |
| G246DOA | MW-246 | 10/31/2002 | PROFILE | 200.00 | 200.00 | 137.30 | 137.30 |
| G246DPA | MW-246 | 10/31/2002 | PROFILE | 210.00 | 210.00 | 147.30 | 147.30 |
| G246DQA | MW-246 | 10/31/2002 | PROFILE | 220.00 | 220.00 | 157.30 | 157.30 |
| G246DRA | MW-246 | 10/31/2002 | PROFILE | 230.00 | 230.00 | 167.30 | 167.30 |
| G246DSA | MW-246 | 11/01/2002 | PROFILE | 240.00 | 240.00 | 177.30 | 177.30 |
| G246DTA | MW-246 | 11/01/2002 | PROFILE | 250.00 | 250.00 | 187.30 | 187.30 |
| G246DUA | MW-246 | 11/01/2002 | PROFILE | 255.00 | 255.00 | 192.30 | 192.30 |
| G247DAA | MW-247 | 10/31/2002 | PROFILE | 30.00 | 30.00 | 6.39 | 6.39 |
| G247DBA | MW-247 | 10/31/2002 | PROFILE | 40.00 | 40.00 | 16.39 | 16.39 |
| G247DCA | MW-247 | 10/31/2002 | PROFILE | 50.00 | 50.00 | 26.39 | 26.39 |
| G247DDA | MW-247 | 10/31/2002 | PROFILE | 60.00 | 60.00 | 36.39 | 36.39 |
| G247DEA | MW-247 | 10/31/2002 | PROFILE | 70.00 | 70.00 | 46.39 | 46.39 |
| G247DFA | MW-247 | 10/31/2002 | PROFILE | 80.00 | 80.00 | 56.39 | 56.39 |
| G247DGA | MW-247 | 10/31/2002 | PROFILE | 90.00 | 90.00 | 66.39 | 66.39 |
| G247DGD | MW-247 | 10/31/2002 | PROFILE | 90.00 | 90.00 | 66.39 | 66.39 |
| G247DHA | MW-247 | 10/31/2002 | PROFILE | 100.00 | 100.00 | 76.39 | 76.39 |
| G247DIA | MW-247 | 10/31/2002 | PROFILE | 110.00 | 110.00 | 86.39 | 86.39 |
| G247DJA | MW-247 | 11/01/2002 | PROFILE | 120.00 | 120.00 | 96.39 | 96.39 |
| G247DKA | MW-247 | 11/01/2002 | PROFILE | 130.00 | 130.00 | 106.39 | 106.39 |
| G247DLA | MW-247 | 11/01/2002 | PROFILE | 140.00 | 140.00 | 116.39 | 116.39 |
| G247DMA | MW-247 | 11/01/2002 | PROFILE | 150.00 | 150.00 | 126.39 | 126.39 |
| G247DNA | MW-247 | 11/01/2002 | PROFILE | 160.00 | 160.00 | 136.39 | 136.39 |
| G247DOA | MW-247 | 11/01/2002 | PROFILE | 170.00 | 170.00 | 146.39 | 146.39 |
| HC12AZ1AAA | 12AZ | 10/28/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12AZ1BAA | 12AZ | 10/28/2002 | SOIL GRID | 0.25 | 0.50 | | |
| HC12AZ1CAA | 12AZ | 10/28/2002 | SOIL GRID | 0.50 | 1.00 | | |
| HC12BA1AAA | 12BA | 10/28/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12BA1BAA | 12BA | 10/28/2002 | SOIL GRID | 0.25 | 0.50 | | |
| HC12BA1CAA | 12BA | 10/28/2002 | SOIL GRID | 0.50 | 1.00 | | |

Profiling methods include: Volatiles, Explosives and Perchlorate

Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry

Other Sample Types methods are variable

SBD = Sample Begin Depth, measured in feet bgs

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 10/26/2002 - 11/02/2002

| OGDEN_ID | LOCID OR WELL ID | DATE SAMPLED | SAMPLE TYPE | SBD | SED | BWTS | BWTE |
|------------|------------------|--------------|-------------|------|------|------|------|
| HC12BC1AAA | 12BC | 10/28/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12BC1BAA | 12BC | 10/28/2002 | SOIL GRID | 0.25 | 0.50 | | |
| HC12BC1CAA | 12BC | 10/28/2002 | SOIL GRID | 0.50 | 1.00 | | |
| HC12BD1AAA | 12BD | 10/29/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12BD1BAA | 12BD | 10/29/2002 | SOIL GRID | 0.25 | 0.50 | | |
| HC12BD1CAA | 12BD | 10/29/2002 | SOIL GRID | 0.50 | 1.00 | | |
| HC12BE1AAA | 12BE | 10/29/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12BE1BAA | 12BE | 10/29/2002 | SOIL GRID | 0.25 | 0.50 | | |
| HC12BE1CAA | 12BE | 10/29/2002 | SOIL GRID | 0.50 | 1.00 | | |
| HC12BF1AAA | 12BF | 10/29/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12BF1BAA | 12BF | 10/29/2002 | SOIL GRID | 0.25 | 0.50 | | |
| HC12BF1CAA | 12BF | 10/29/2002 | SOIL GRID | 0.50 | 1.00 | | |
| HC12BG1AAA | 12BG | 10/29/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12BG1BAA | 12BG | 10/29/2002 | SOIL GRID | 0.25 | 0.50 | | |
| HC12BG1BAD | 12BG | 10/29/2002 | SOIL GRID | 0.25 | 0.50 | | |
| HC12BG1CAA | 12BG | 10/29/2002 | SOIL GRID | 0.50 | 1.00 | | |
| HC12BH1AAA | 12BH | 10/29/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12BH1BAA | 12BH | 10/29/2002 | SOIL GRID | 0.25 | 0.50 | | |
| HC12BH1CAA | 12BH | 10/29/2002 | SOIL GRID | 0.50 | 1.00 | | |
| HC12BI1AAA | 12BI | 10/29/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12BI1BAA | 12BI | 10/29/2002 | SOIL GRID | 0.25 | 0.50 | | |
| HC12BI1CAA | 12BI | 10/29/2002 | SOIL GRID | 0.50 | 1.00 | | |
| HC12BJ1AAA | 12BJ | 10/30/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12BJ1BAA | 12BJ | 10/30/2002 | SOIL GRID | 0.25 | 0.50 | | |
| HC12BJ1CAA | 12BJ | 10/30/2002 | SOIL GRID | 0.50 | 1.00 | | |
| HC12BJ1CAD | 12BJ | 10/30/2002 | SOIL GRID | 0.50 | 1.00 | | |
| HC12BK1AAA | 12BK | 10/31/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12BK1BAA | 12BK | 10/31/2002 | SOIL GRID | 0.25 | 0.50 | | |
| HC12BK1CAA | 12BK | 10/31/2002 | SOIL GRID | 0.50 | 1.00 | | |
| HC12BL1AAA | 12BL | 10/31/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12BL1AAD | 12BL | 10/31/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12BL1BAA | 12BL | 10/31/2002 | SOIL GRID | 0.25 | 0.50 | | |
| HC12BL1CAA | 12BL | 10/31/2002 | SOIL GRID | 0.50 | 1.00 | | |
| HC12BLIAD | 12BL | 10/31/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12BM1AAA | 12BM | 10/31/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12BM1BAA | 12BM | 10/31/2002 | SOIL GRID | 0.25 | 0.50 | | |
| HC12BM1CAA | 12BM | 10/31/2002 | SOIL GRID | 0.50 | 1.00 | | |
| HC12BN1AAA | 12BN | 10/31/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12BN1BAA | 12BN | 10/31/2002 | SOIL GRID | 0.25 | 0.50 | | |
| HC12BN1CAA | 12BN | 10/31/2002 | SOIL GRID | 0.50 | 1.00 | | |
| HC12BO1AAA | 12BO | 11/01/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12BO1AAD | 12BO | 11/01/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12BO1BAA | 12BO | 11/01/2002 | SOIL GRID | 0.25 | 0.50 | | |
| HC12BO1CAA | 12BO | 11/01/2002 | SOIL GRID | 0.50 | 1.00 | | |

Profiling methods include: Volatiles, Explosives and Perchlorate
 Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
 Other Sample Types methods are variable
 SBD = Sample Begin Depth, measured in feet bgs
 SED = Sample End Depth, measured in feet bgs
 BWTS = Depth below water table, start depth, measured in feet
 BWTE = Depth below water table, end depth, measured in feet

TABLE 2
 SAMPLING PROGRESS
 10/26/2002 - 11/02/2002

| OGDEN_ID | LOCID OR WELL ID | DATE SAMPLED | SAMPLE TYPE | SBD | SED | BWTS | BWTE |
|------------------|------------------|--------------|-------------|------|------|------|------|
| HC12BP1AAA | 12BP | 11/01/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12BP1BAA | 12BP | 11/01/2002 | SOIL GRID | 0.25 | 0.50 | | |
| HC12BP1CAA | 12BP | 11/01/2002 | SOIL GRID | 0.50 | 1.00 | | |
| HC12BQ1AAA | 12BQ | 10/30/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12BQ1BAA | 12BQ | 10/30/2002 | SOIL GRID | 0.25 | 0.50 | | |
| HC12BQ1CAA | 12BQ | 10/30/2002 | SOIL GRID | 0.50 | 1.00 | | |
| HC12BR1AAA | 12BR | 10/29/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12BR1BAA | 12BR | 10/29/2002 | SOIL GRID | 0.25 | 0.50 | | |
| HC12BR1CAA | 12BR | 10/29/2002 | SOIL GRID | 0.50 | 1.00 | | |
| HC12BS1AAA | 12BS | 10/30/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12BS1BAA | 12BS | 10/30/2002 | SOIL GRID | 0.25 | 0.50 | | |
| HC12BS1CAA | 12BS | 10/30/2002 | SOIL GRID | 0.50 | 1.00 | | |
| HC12BT1AAA | 12BT | 10/31/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12BT1BAA | 12BT | 10/31/2002 | SOIL GRID | 0.25 | 0.50 | | |
| HC12BT1BAD | 12BT | 10/31/2002 | SOIL GRID | 0.25 | 0.50 | | |
| HC12BT1CAA | 12BT | 10/31/2002 | SOIL GRID | 0.50 | 1.00 | | |
| HC12BU1AAA | 12BU | 11/01/2002 | SOIL GRID | 0.00 | 0.25 | | |
| HC12BU1BAA | 12BU | 11/01/2002 | SOIL GRID | 0.25 | 0.50 | | |
| HC12BU1CAA | 12BU | 11/01/2002 | SOIL GRID | 0.50 | 1.00 | | |
| J2.A.T2J.007.1.0 | J2.A.T2J.007 | 10/30/2002 | SOIL GRID | | | | |
| J2.A.T2J.007.1.D | J2.A.T2J.007 | 10/30/2002 | SOIL GRID | | | | |
| J2.A.T2J.007.2.0 | J2.A.T2J.007 | 10/31/2002 | SOIL GRID | | | | |

Profiling methods include: Volatiles, Explosives and Perchlorate
 Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
 Other Sample Types methods are variable
 SBD = Sample Begin Depth, measured in feet bgs
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 BWTE = Depth below water table, end depth, measured in feet

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 10/11/02 - 11/02/02

| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMP_TYPE | SBD | SED | BWTS | BWTE | METHOD | OGDEN_ANALYTE | PDA |
|-------------|------------------|------------|-------------|--------|--------|--------|--------|--------|-----------------------------|-----|
| 4036000-03G | 4036000-03G | 10/29/2002 | GROUNDWATER | 50.00 | 60.00 | 6.00 | 12.00 | E314.0 | PERCHLORATE | |
| OW00-1D-A | 00-1D | 10/29/2002 | GROUNDWATER | 91.00 | 97.00 | 48.30 | 54.30 | OC21V | TRICHLOROETHYLENE (TCE) | |
| TW00-1-A | 00-1 | 10/24/2002 | GROUNDWATER | 64.00 | 70.00 | 64.00 | 70.00 | E314.0 | PERCHLORATE | |
| TW00-2D-A | 00-2 | 10/25/2002 | GROUNDWATER | 71.00 | 77.00 | 43.95 | 49.95 | 8330N | 2,6-DINITROTOLUENE | YES |
| TW00-2D-A | 00-2 | 10/25/2002 | GROUNDWATER | 71.00 | 77.00 | 43.95 | 49.95 | 8330N | NITROGLYCERIN | NO |
| TW00-2D-A | 00-2 | 10/25/2002 | GROUNDWATER | 71.00 | 77.00 | 43.95 | 49.95 | OC21V | TRICHLOROETHYLENE (TCE) | |
| TW00-2S-A | 00-2 | 10/25/2002 | GROUNDWATER | 29.00 | 35.00 | 1.17 | 7.17 | OC21V | ACETONE | |
| TW00-4DA-A | 00-4D | 10/31/2002 | GROUNDWATER | | 85.00 | | 55.60 | OC21V | CHLOROMETHANE | |
| TW01-1-A | 01-1 | 10/23/2002 | GROUNDWATER | 62.00 | 67.00 | 55.21 | 60.21 | E314.0 | PERCHLORATE | |
| TW1-88AA | 1-88 | 10/29/2002 | GROUNDWATER | | 102.90 | 0.00 | 67.40 | E314.0 | PERCHLORATE | |
| W02-04M2A | 02-04 | 10/25/2002 | GROUNDWATER | 98.00 | 108.00 | 48.93 | 58.93 | OC21V | TRICHLOROETHYLENE (TCE) | |
| W02-07M3A | 02-07 | 10/30/2002 | GROUNDWATER | 47.00 | 57.00 | 13.00 | 23.00 | E314.0 | PERCHLORATE | |
| W02-08M2A | 02-08 | 10/31/2002 | GROUNDWATER | 82.00 | 87.00 | 60.65 | 65.65 | E314.0 | PERCHLORATE | |
| W02-08M3A | 02-08 | 10/31/2002 | GROUNDWATER | 62.00 | 67.00 | 40.58 | 45.58 | E314.0 | PERCHLORATE | |
| W02-13M1A | 02-13 | 10/30/2002 | GROUNDWATER | 98.00 | 108.00 | 58.33 | 68.33 | E314.0 | PERCHLORATE | |
| W02-13M2A | 02-13 | 10/30/2002 | GROUNDWATER | 83.00 | 93.00 | 44.20 | 54.20 | E314.0 | PERCHLORATE | |
| W191M1A | MW-191 | 10/21/2002 | GROUNDWATER | 137.00 | 142.00 | 25.20 | 30.20 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1, | YES |
| W191SSA | MW-191 | 10/21/2002 | GROUNDWATER | 106.00 | 116.00 | 0.00 | 10.00 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1, | YES |
| W191SSA | MW-191 | 10/21/2002 | GROUNDWATER | 106.00 | 116.00 | 0.00 | 10.00 | 8330N | OCTAHYDRO-1,3,5,7-TETRANIT | YES |
| W234M1A | MW-234 | 10/16/2002 | GROUNDWATER | 130.00 | 140.00 | 25.30 | 35.30 | E314.0 | PERCHLORATE | |
| WS-4AD-A | WS-4A | 10/24/2002 | GROUNDWATER | 218.00 | 228.00 | 148.50 | 158.50 | OC21V | CHLOROFORM | |
| OW00-1D-A | 00-1D | 10/29/2002 | GROUNDWATER | 91.00 | 97.00 | 48.30 | 54.30 | OC21V | CHLOROFORM | |
| TW00-2D-A | 00-2 | 10/25/2002 | GROUNDWATER | 71.00 | 77.00 | 43.95 | 49.95 | OC21V | CHLOROFORM | |
| TW00-2S-A | 00-2 | 10/25/2002 | GROUNDWATER | 29.00 | 35.00 | 1.17 | 7.17 | OC21V | CHLOROFORM | |
| TW00-4DA-A | 00-4D | 10/31/2002 | GROUNDWATER | | 85.00 | | 55.60 | OC21V | CHLOROFORM | |
| TW00-4DB-A | 00-4D | 10/31/2002 | GROUNDWATER | | 75.00 | | 45.60 | OC21V | CHLOROFORM | |
| W02-04M2A | 02-04 | 10/25/2002 | GROUNDWATER | 98.00 | 108.00 | 48.93 | 58.93 | OC21V | CHLOROFORM | |
| W02-04M3A | 02-04 | 10/25/2002 | GROUNDWATER | 83.00 | 93.00 | 34.01 | 44.01 | OC21V | CHLOROFORM | |
| W02-07M1A | 02-07 | 10/30/2002 | GROUNDWATER | 135.00 | 145.00 | 101.14 | 111.14 | OC21V | CHLOROFORM | |
| W02-07M2A | 02-07 | 10/30/2002 | GROUNDWATER | 107.00 | 117.00 | 72.86 | 82.86 | OC21V | CHLOROFORM | |
| W02-07M3A | 02-07 | 10/30/2002 | GROUNDWATER | 47.00 | 57.00 | 13.00 | 23.00 | OC21V | CHLOROFORM | |
| W02-08M2A | 02-08 | 10/31/2002 | GROUNDWATER | 82.00 | 87.00 | 60.65 | 65.65 | OC21V | CHLOROFORM | |

DATA REPORTED REFLECT CURRENT DATABASE FOR SAMPLES COLLECTED IN SPECIFIED TIMEFRAME. NOT ALL RESULTS ARE COMPLETE.

SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BGS

SED = SAMPLE COLLECTION END DEPTH IN FEET BGS

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BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET

PDA/YES = Photo Diode Array, Detect Confirmed

PDA/NO = Photo Diode Array, Detect Not Confirmed

* = Interference in sample

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 10/11/02 - 11/02/02

| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMP_TYPE | SBD | SED | BWTS | BWTE | METHOD | OGDEN_ANALYTE | PDA |
|-----------|------------------|------------|-------------|--------|--------|-------|--------|--------|-----------------------------|------|
| W02-08M3A | 02-08 | 10/31/2002 | GROUNDWATER | 62.00 | 67.00 | 40.58 | 45.58 | OC21V | CHLOROFORM | |
| W02-10M1A | 02-10 | 10/25/2002 | GROUNDWATER | 135.00 | 145.00 | 94.00 | 104.00 | OC21V | CHLOROFORM | |
| W02-10M2A | 02-10 | 10/25/2002 | GROUNDWATER | 110.00 | 120.00 | 68.61 | 78.61 | OC21V | CHLOROFORM | |
| W02-10M3A | 02-10 | 10/28/2002 | GROUNDWATER | 85.00 | 95.00 | 43.65 | 53.65 | OC21V | CHLOROFORM | |
| W02-10M3D | 02-10 | 10/28/2002 | GROUNDWATER | 85.00 | 95.00 | 43.65 | 53.65 | OC21V | CHLOROFORM | |
| W02-12M1A | 02-12 | 10/29/2002 | GROUNDWATER | 109.00 | 119.00 | 58.35 | 68.35 | OC21V | CHLOROFORM | |
| W02-12M2A | 02-12 | 10/29/2002 | GROUNDWATER | 94.00 | 104.00 | 43.21 | 53.21 | OC21V | CHLOROFORM | |
| W02-12M3A | 02-12 | 10/29/2002 | GROUNDWATER | 79.00 | 89.00 | 28.22 | 38.22 | OC21V | CHLOROFORM | |
| G245DAA | MW-245 | 10/22/2002 | PROFILE | 130.00 | 130.00 | 6.10 | 6.10 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1, | YES* |
| G245DAA | MW-245 | 10/22/2002 | PROFILE | 130.00 | 130.00 | 6.10 | 6.10 | 8330N | NITROGLYCERIN | NO |
| G245DAA | MW-245 | 10/22/2002 | PROFILE | 130.00 | 130.00 | 6.10 | 6.10 | 8330N | PICRIC ACID | NO |
| G245DAA | MW-245 | 10/22/2002 | PROFILE | 130.00 | 130.00 | 6.10 | 6.10 | OC21V | CHLOROFORM | |
| G245DAA | MW-245 | 10/22/2002 | PROFILE | 130.00 | 130.00 | 6.10 | 6.10 | OC21V | METHYL ETHYL KETONE (2-BU | |
| G245DBA | MW-245 | 10/23/2002 | PROFILE | 140.00 | 140.00 | 16.10 | 16.10 | 8330N | 1,3,5-TRINITROBENZENE | YES* |
| G245DBA | MW-245 | 10/23/2002 | PROFILE | 140.00 | 140.00 | 16.10 | 16.10 | 8330N | 1,3-DINITROBENZENE | NO |
| G245DBA | MW-245 | 10/23/2002 | PROFILE | 140.00 | 140.00 | 16.10 | 16.10 | 8330N | 2,4,6-TRINITROTOLUENE | NO |
| G245DBA | MW-245 | 10/23/2002 | PROFILE | 140.00 | 140.00 | 16.10 | 16.10 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1, | YES* |
| G245DBA | MW-245 | 10/23/2002 | PROFILE | 140.00 | 140.00 | 16.10 | 16.10 | 8330N | NITROGLYCERIN | NO |
| G245DBA | MW-245 | 10/23/2002 | PROFILE | 140.00 | 140.00 | 16.10 | 16.10 | 8330N | PICRIC ACID | NO |
| G245DBA | MW-245 | 10/23/2002 | PROFILE | 140.00 | 140.00 | 16.10 | 16.10 | OC21V | ACETONE | |
| G245DBA | MW-245 | 10/23/2002 | PROFILE | 140.00 | 140.00 | 16.10 | 16.10 | OC21V | CHLOROFORM | |
| G245DBA | MW-245 | 10/23/2002 | PROFILE | 140.00 | 140.00 | 16.10 | 16.10 | OC21V | METHYL ETHYL KETONE (2-BU | |
| G245DCA | MW-245 | 10/23/2002 | PROFILE | 150.00 | 150.00 | 26.10 | 26.10 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1, | YES* |
| G245DCA | MW-245 | 10/23/2002 | PROFILE | 150.00 | 150.00 | 26.10 | 26.10 | 8330N | NITROGLYCERIN | NO |
| G245DCA | MW-245 | 10/23/2002 | PROFILE | 150.00 | 150.00 | 26.10 | 26.10 | OC21V | 2-HEXANONE | |
| G245DCA | MW-245 | 10/23/2002 | PROFILE | 150.00 | 150.00 | 26.10 | 26.10 | OC21V | ACETONE | |
| G245DCA | MW-245 | 10/23/2002 | PROFILE | 150.00 | 150.00 | 26.10 | 26.10 | OC21V | CHLOROFORM | |
| G245DCA | MW-245 | 10/23/2002 | PROFILE | 150.00 | 150.00 | 26.10 | 26.10 | OC21V | METHYL ETHYL KETONE (2-BU | |
| G245DCA | MW-245 | 10/23/2002 | PROFILE | 150.00 | 150.00 | 26.10 | 26.10 | OC21V | METHYL ISOBUTYL KETONE (4- | |
| G245DDA | MW-245 | 10/23/2002 | PROFILE | 160.00 | 160.00 | 36.10 | 36.10 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | NO |
| G245DDA | MW-245 | 10/23/2002 | PROFILE | 160.00 | 160.00 | 36.10 | 36.10 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1, | YES* |
| G245DDA | MW-245 | 10/23/2002 | PROFILE | 160.00 | 160.00 | 36.10 | 36.10 | 8330N | NITROGLYCERIN | NO |

DATA REPORTED REFLECT CURRENT DATABASE FOR SAMPLES COLLECTED IN SPECIFIED TIMEFRAME. NOT ALL RESULTS ARE COMPLETE.

SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BGS

SED = SAMPLE COLLECTION END DEPTH IN FEET BGS

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BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET

PDA/YES = Photo Diode Array, Detect Confirmed

PDA/NO = Photo Diode Array, Detect Not Confirmed

* = Interference in sample

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 10/11/02 - 11/02/02

| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMP_TYPE | SBD | SED | BWTS | BWTE | METHOD | OGDEN_ANALYTE | PDA |
|----------|------------------|------------|-----------|--------|--------|-------|-------|--------|-----------------------------|------|
| G245DDA | MW-245 | 10/23/2002 | PROFILE | 160.00 | 160.00 | 36.10 | 36.10 | 8330N | PICRIC ACID | NO |
| G245DDA | MW-245 | 10/23/2002 | PROFILE | 160.00 | 160.00 | 36.10 | 36.10 | OC21V | 2-HEXANONE | |
| G245DDA | MW-245 | 10/23/2002 | PROFILE | 160.00 | 160.00 | 36.10 | 36.10 | OC21V | ACETONE | |
| G245DDA | MW-245 | 10/23/2002 | PROFILE | 160.00 | 160.00 | 36.10 | 36.10 | OC21V | CHLOROFORM | |
| G245DDA | MW-245 | 10/23/2002 | PROFILE | 160.00 | 160.00 | 36.10 | 36.10 | OC21V | METHYL ETHYL KETONE (2-BU | |
| G245DDA | MW-245 | 10/23/2002 | PROFILE | 160.00 | 160.00 | 36.10 | 36.10 | OC21V | METHYL ISOBUTYL KETONE (4- | |
| G245DDD | MW-245 | 10/23/2002 | PROFILE | 160.00 | 160.00 | 36.10 | 36.10 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | NO |
| G245DDD | MW-245 | 10/23/2002 | PROFILE | 160.00 | 160.00 | 36.10 | 36.10 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1, | YES* |
| G245DDD | MW-245 | 10/23/2002 | PROFILE | 160.00 | 160.00 | 36.10 | 36.10 | 8330N | NITROGLYCERIN | NO |
| G245DDD | MW-245 | 10/23/2002 | PROFILE | 160.00 | 160.00 | 36.10 | 36.10 | 8330N | PICRIC ACID | NO |
| G245DDD | MW-245 | 10/23/2002 | PROFILE | 160.00 | 160.00 | 36.10 | 36.10 | OC21V | 2-HEXANONE | |
| G245DDD | MW-245 | 10/23/2002 | PROFILE | 160.00 | 160.00 | 36.10 | 36.10 | OC21V | ACETONE | |
| G245DDD | MW-245 | 10/23/2002 | PROFILE | 160.00 | 160.00 | 36.10 | 36.10 | OC21V | CHLOROFORM | |
| G245DDD | MW-245 | 10/23/2002 | PROFILE | 160.00 | 160.00 | 36.10 | 36.10 | OC21V | METHYL ETHYL KETONE (2-BU | |
| G245DDD | MW-245 | 10/23/2002 | PROFILE | 160.00 | 160.00 | 36.10 | 36.10 | OC21V | METHYL ISOBUTYL KETONE (4- | |
| G245DEA | MW-245 | 10/23/2002 | PROFILE | 170.00 | 170.00 | 46.10 | 46.10 | 8330N | 2,6-DINITROTOLUENE | NO* |
| G245DEA | MW-245 | 10/23/2002 | PROFILE | 170.00 | 170.00 | 46.10 | 46.10 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1, | YES* |
| G245DEA | MW-245 | 10/23/2002 | PROFILE | 170.00 | 170.00 | 46.10 | 46.10 | 8330N | NITROGLYCERIN | NO |
| G245DEA | MW-245 | 10/23/2002 | PROFILE | 170.00 | 170.00 | 46.10 | 46.10 | 8330N | PICRIC ACID | NO |
| G245DEA | MW-245 | 10/23/2002 | PROFILE | 170.00 | 170.00 | 46.10 | 46.10 | OC21V | 2-HEXANONE | |
| G245DEA | MW-245 | 10/23/2002 | PROFILE | 170.00 | 170.00 | 46.10 | 46.10 | OC21V | ACETONE | |
| G245DEA | MW-245 | 10/23/2002 | PROFILE | 170.00 | 170.00 | 46.10 | 46.10 | OC21V | METHYL ETHYL KETONE (2-BU | |
| G245DEA | MW-245 | 10/23/2002 | PROFILE | 170.00 | 170.00 | 46.10 | 46.10 | OC21V | METHYL ISOBUTYL KETONE (4- | |
| G245DFA | MW-245 | 10/23/2002 | PROFILE | 180.00 | 180.00 | 56.10 | 56.10 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | NO |
| G245DFA | MW-245 | 10/23/2002 | PROFILE | 180.00 | 180.00 | 56.10 | 56.10 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1, | YES* |
| G245DFA | MW-245 | 10/23/2002 | PROFILE | 180.00 | 180.00 | 56.10 | 56.10 | 8330N | NITROGLYCERIN | NO |
| G245DFA | MW-245 | 10/23/2002 | PROFILE | 180.00 | 180.00 | 56.10 | 56.10 | 8330N | PICRIC ACID | NO |
| G245DFA | MW-245 | 10/23/2002 | PROFILE | 180.00 | 180.00 | 56.10 | 56.10 | OC21V | 2-HEXANONE | |
| G245DFA | MW-245 | 10/23/2002 | PROFILE | 180.00 | 180.00 | 56.10 | 56.10 | OC21V | ACETONE | |
| G245DFA | MW-245 | 10/23/2002 | PROFILE | 180.00 | 180.00 | 56.10 | 56.10 | OC21V | METHYL ETHYL KETONE (2-BU | |
| G245DFA | MW-245 | 10/23/2002 | PROFILE | 180.00 | 180.00 | 56.10 | 56.10 | OC21V | METHYL ISOBUTYL KETONE (4- | |
| G245DGA | MW-245 | 10/23/2002 | PROFILE | 190.00 | 190.00 | 66.10 | 66.10 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | NO |

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* = Interference in sample

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 10/11/02 - 11/02/02

| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMP_TYPE | SBD | SED | BWTS | BWTE | METHOD | OGDEN_ANALYTE | PDA |
|----------|------------------|------------|-----------|--------|--------|--------|--------|--------|-----------------------------|------|
| G245DGA | MW-245 | 10/23/2002 | PROFILE | 190.00 | 190.00 | 66.10 | 66.10 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1, | YES* |
| G245DGA | MW-245 | 10/23/2002 | PROFILE | 190.00 | 190.00 | 66.10 | 66.10 | 8330N | NITROGLYCERIN | NO |
| G245DGA | MW-245 | 10/23/2002 | PROFILE | 190.00 | 190.00 | 66.10 | 66.10 | 8330N | PICRIC ACID | NO |
| G245DGA | MW-245 | 10/23/2002 | PROFILE | 190.00 | 190.00 | 66.10 | 66.10 | OC21V | 2-HEXANONE | |
| G245DGA | MW-245 | 10/23/2002 | PROFILE | 190.00 | 190.00 | 66.10 | 66.10 | OC21V | ACETONE | |
| G245DGA | MW-245 | 10/23/2002 | PROFILE | 190.00 | 190.00 | 66.10 | 66.10 | OC21V | METHYL ETHYL KETONE (2-BU | |
| G245DHA | MW-245 | 10/23/2002 | PROFILE | 200.00 | 200.00 | 76.10 | 76.10 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1, | YES |
| G245DHA | MW-245 | 10/23/2002 | PROFILE | 200.00 | 200.00 | 76.10 | 76.10 | 8330N | PICRIC ACID | NO |
| G245DHA | MW-245 | 10/23/2002 | PROFILE | 200.00 | 200.00 | 76.10 | 76.10 | OC21V | 2-HEXANONE | |
| G245DHA | MW-245 | 10/23/2002 | PROFILE | 200.00 | 200.00 | 76.10 | 76.10 | OC21V | ACETONE | |
| G245DHA | MW-245 | 10/23/2002 | PROFILE | 200.00 | 200.00 | 76.10 | 76.10 | OC21V | METHYL ETHYL KETONE (2-BU | |
| G245DIA | MW-245 | 10/23/2002 | PROFILE | 210.00 | 210.00 | 86.10 | 86.10 | OC21V | ACETONE | |
| G245DIA | MW-245 | 10/23/2002 | PROFILE | 210.00 | 210.00 | 86.10 | 86.10 | OC21V | METHYL ETHYL KETONE (2-BU | |
| G245DJA | MW-245 | 10/23/2002 | PROFILE | 220.00 | 220.00 | 96.10 | 96.10 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1, | YES* |
| G245DJA | MW-245 | 10/23/2002 | PROFILE | 220.00 | 220.00 | 96.10 | 96.10 | 8330N | NITROGLYCERIN | NO |
| G245DJA | MW-245 | 10/23/2002 | PROFILE | 220.00 | 220.00 | 96.10 | 96.10 | 8330N | PICRIC ACID | NO |
| G245DJA | MW-245 | 10/23/2002 | PROFILE | 220.00 | 220.00 | 96.10 | 96.10 | OC21V | 2-HEXANONE | |
| G245DJA | MW-245 | 10/23/2002 | PROFILE | 220.00 | 220.00 | 96.10 | 96.10 | OC21V | ACETONE | |
| G245DJA | MW-245 | 10/23/2002 | PROFILE | 220.00 | 220.00 | 96.10 | 96.10 | OC21V | METHYL ETHYL KETONE (2-BU | |
| G245DJA | MW-245 | 10/23/2002 | PROFILE | 220.00 | 220.00 | 96.10 | 96.10 | OC21V | METHYL ISOBUTYL KETONE (4- | |
| G245DKA | MW-245 | 10/23/2002 | PROFILE | 230.00 | 230.00 | 106.10 | 106.10 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1, | YES* |
| G245DKA | MW-245 | 10/23/2002 | PROFILE | 230.00 | 230.00 | 106.10 | 106.10 | 8330N | NITROGLYCERIN | NO |
| G245DKA | MW-245 | 10/23/2002 | PROFILE | 230.00 | 230.00 | 106.10 | 106.10 | 8330N | PICRIC ACID | NO |
| G245DKA | MW-245 | 10/23/2002 | PROFILE | 230.00 | 230.00 | 106.10 | 106.10 | OC21V | 2-HEXANONE | |
| G245DKA | MW-245 | 10/23/2002 | PROFILE | 230.00 | 230.00 | 106.10 | 106.10 | OC21V | ACETONE | |
| G245DKA | MW-245 | 10/23/2002 | PROFILE | 230.00 | 230.00 | 106.10 | 106.10 | OC21V | METHYL ETHYL KETONE (2-BU | |
| G245DLA | MW-245 | 10/23/2002 | PROFILE | 240.00 | 240.00 | 116.10 | 116.10 | 8330N | NITROGLYCERIN | NO |
| G245DLA | MW-245 | 10/23/2002 | PROFILE | 240.00 | 240.00 | 116.10 | 116.10 | 8330N | PICRIC ACID | NO |
| G245DLA | MW-245 | 10/23/2002 | PROFILE | 240.00 | 240.00 | 116.10 | 116.10 | OC21V | 2-HEXANONE | |
| G245DLA | MW-245 | 10/23/2002 | PROFILE | 240.00 | 240.00 | 116.10 | 116.10 | OC21V | ACETONE | |
| G245DLA | MW-245 | 10/23/2002 | PROFILE | 240.00 | 240.00 | 116.10 | 116.10 | OC21V | METHYL ETHYL KETONE (2-BU | |
| G245DLA | MW-245 | 10/23/2002 | PROFILE | 240.00 | 240.00 | 116.10 | 116.10 | OC21V | METHYL ISOBUTYL KETONE (4- | |

DATA REPORTED REFLECT CURRENT DATABASE FOR SAMPLES COLLECTED IN SPECIFIED TIMEFRAME. NOT ALL RESULTS ARE COMPLETE.

SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BGS

SED = SAMPLE COLLECTION END DEPTH IN FEET BGS

BWTS = DEPTH BELOW WATER TABLE, START DEPTH, MEASURED IN FEET

BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET

PDA/YES = Photo Diode Array, Detect Confirmed

PDA/NO = Photo Diode Array, Detect Not Confirmed

* = Interference in sample

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 10/11/02 - 11/02/02

| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMP_TYPE | SBD | SED | BWTS | BWTE | METHOD | OGDEN_ANALYTE | PDA |
|----------|------------------|------------|-----------|--------|--------|--------|--------|--------|-----------------------------|------|
| G245DMA | MW-245 | 10/24/2002 | PROFILE | 250.00 | 250.00 | 126.10 | 126.10 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1, | YES* |
| G245DMA | MW-245 | 10/24/2002 | PROFILE | 250.00 | 250.00 | 126.10 | 126.10 | 8330N | NITROGLYCERIN | NO |
| G245DMA | MW-245 | 10/24/2002 | PROFILE | 250.00 | 250.00 | 126.10 | 126.10 | 8330N | PICRIC ACID | NO |
| G245DMA | MW-245 | 10/24/2002 | PROFILE | 250.00 | 250.00 | 126.10 | 126.10 | OC21V | ACETONE | |
| G245DNA | MW-245 | 10/24/2002 | PROFILE | 260.00 | 260.00 | 136.10 | 136.10 | OC21V | 2-HEXANONE | |
| G245DNA | MW-245 | 10/24/2002 | PROFILE | 260.00 | 260.00 | 136.10 | 136.10 | OC21V | ACETONE | |
| G245DNA | MW-245 | 10/24/2002 | PROFILE | 260.00 | 260.00 | 136.10 | 136.10 | OC21V | METHYL ETHYL KETONE (2-BU | |
| G245DNA | MW-245 | 10/24/2002 | PROFILE | 260.00 | 260.00 | 136.10 | 136.10 | OC21V | METHYL ISOBUTYL KETONE (4- | |
| G245DOA | MW-245 | 10/24/2002 | PROFILE | 270.00 | 270.00 | 146.10 | 146.10 | OC21V | 2-HEXANONE | |
| G245DOA | MW-245 | 10/24/2002 | PROFILE | 270.00 | 270.00 | 146.10 | 146.10 | OC21V | ACETONE | |
| G245DOA | MW-245 | 10/24/2002 | PROFILE | 270.00 | 270.00 | 146.10 | 146.10 | OC21V | METHYL ETHYL KETONE (2-BU | |
| G245DPA | MW-245 | 10/25/2002 | PROFILE | 280.00 | 280.00 | 156.10 | 156.10 | 8330N | PICRIC ACID | NO |
| G245DPA | MW-245 | 10/25/2002 | PROFILE | 280.00 | 280.00 | 156.10 | 156.10 | OC21V | ACETONE | |
| G245DPA | MW-245 | 10/25/2002 | PROFILE | 280.00 | 280.00 | 156.10 | 156.10 | OC21V | CHLOROFORM | |
| G245DPA | MW-245 | 10/25/2002 | PROFILE | 280.00 | 280.00 | 156.10 | 156.10 | OC21V | METHYL ETHYL KETONE (2-BU | |
| G245DQA | MW-245 | 10/25/2002 | PROFILE | 290.00 | 290.00 | 166.10 | 166.10 | OC21V | 2-HEXANONE | |
| G245DQA | MW-245 | 10/25/2002 | PROFILE | 290.00 | 290.00 | 166.10 | 166.10 | OC21V | ACETONE | |
| G245DQA | MW-245 | 10/25/2002 | PROFILE | 290.00 | 290.00 | 166.10 | 166.10 | OC21V | CHLOROFORM | |
| G245DQA | MW-245 | 10/25/2002 | PROFILE | 290.00 | 290.00 | 166.10 | 166.10 | OC21V | METHYL ETHYL KETONE (2-BU | |
| G245DQA | MW-245 | 10/25/2002 | PROFILE | 290.00 | 290.00 | 166.10 | 166.10 | OC21V | METHYL ISOBUTYL KETONE (4- | |
| G245DRA | MW-245 | 10/28/2002 | PROFILE | 300.00 | 280.00 | 176.10 | 176.10 | OC21V | 2-HEXANONE | |
| G245DRA | MW-245 | 10/28/2002 | PROFILE | 300.00 | 280.00 | 176.10 | 176.10 | OC21V | ACETONE | |
| G245DRA | MW-245 | 10/28/2002 | PROFILE | 300.00 | 280.00 | 176.10 | 176.10 | OC21V | CHLOROFORM | |
| G245DRA | MW-245 | 10/28/2002 | PROFILE | 300.00 | 280.00 | 176.10 | 176.10 | OC21V | METHYL ETHYL KETONE (2-BU | |
| G245DSA | MW-245 | 10/28/2002 | PROFILE | 310.00 | 290.00 | 186.10 | 186.10 | 8330N | NITROGLYCERIN | NO |
| G245DSA | MW-245 | 10/28/2002 | PROFILE | 310.00 | 290.00 | 186.10 | 186.10 | OC21V | 2-HEXANONE | |
| G245DSA | MW-245 | 10/28/2002 | PROFILE | 310.00 | 290.00 | 186.10 | 186.10 | OC21V | ACETONE | |
| G245DSA | MW-245 | 10/28/2002 | PROFILE | 310.00 | 290.00 | 186.10 | 186.10 | OC21V | CHLOROFORM | |
| G245DSA | MW-245 | 10/28/2002 | PROFILE | 310.00 | 290.00 | 186.10 | 186.10 | OC21V | METHYL ETHYL KETONE (2-BU | |
| G245DTA | MW-245 | 10/28/2002 | PROFILE | 319.00 | 319.00 | 196.10 | 196.10 | OC21V | ACETONE | |

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