WEEKLY PROGRESS UPDATE
FOR OCTOBER 21 – OCTOBER 25, 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 21 through October 25, 2002.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of October 25 is summarized in Table 1.

Table 1. Drilling progress as of October 25, 2002

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-243	J-3 Range (J3P-31)	270	202	114.5-124.5, 84.5-94.5, 69.5-79.5
MW-244	J-1 Range (J1P-1)	304	184	
MW-245	J-1 Range (J1P-17)	290	166	

bgs = below ground surface
bwt = below water table

Completed well installation of MW-243 (J3P-31), commenced well installation of MW-244 (J1P-1), and commenced drilling of MW-245 (J1P-17). 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. Groundwater samples were collected from Bourne water supply and monitoring wells, Base Supply Well #4, and recently installed wells. Water samples were collected from the GAC treatment system. Soil samples were collected from the J-3, L, and Former K Ranges and Cleared Area 1 as part of white phosphorus characterization sampling. Soil samples were also 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 Scar Rocket site. Soil samples were also collected from J-2 Range anomaly excavations.

The following are the notes from the October 24, 2002 Technical Team meeting at the IAGWSPO:

Participants

Ben Gregson (IAGWSPO)	Tina Dolan (IAGWSPO)	Dave Hill (IAGWSPO)
Bill Gallagher (IAGWSPO)	Karen Wilson (IAGWSPO)	LTC Bill FitzPatrick (E&RC)
Todd Borci (EPA)	Desiree Moyer (EPA)	Jane Dolan (EPA)
Len Pinaud (MADEP)	Mark Panni (MADEP)	Dave Williams (MDPH)
Rob Foti (ACE)	John MacPherson (ACE)	Ed Wise (ACE)
Raimo Liias (ACE)	Marc Grant (AMEC)	Kim Harriz (AMEC)
Maria Pologruto (AMEC)	Herb Colby (AMEC)	Jay Clausen (AMEC)
John Rice (AMEC-phone)	Al Larkins (ECC)	Dick Skryness (ECC)
Mike Goydas (Jacobs)	Larry Hudgins (Tetra Tech)	Leroy Montroy (Tt-phone)
Susan Stewart (Tt-phone)		

Punchlist Items

#2 Provide update for sampling/reporting Perchlorate for Sandwich Water District (EPA/MADEP). Todd Borci (EPA) indicated additional discussions were to be conducted with Ben Gregson (IAGWSPO) and Dan Mahoney (Sandwich Water Board). AMEC to go forward with collecting samples for explosives analysis.

#3 Determine possibility of sampling the irrigation well at the Regional Tech School (Guard). Due to the expense of removing the pump, the Guard has decided against pursuing the sampling of this well. If and when the Regional Tech School chooses to fix the pump, the Guard is willing to sample the well. Bill Gallagher (IAGWSPO) left a message with the superintendent regarding the information on the pump, but has not received a return call.

#4 Determine possibility of sampling the Gallo Skating Rink well (Guard). John MacPherson (ACE) indicated the well is accessible and looks to have a submersible pump. D.L. Maher to inspect the well tomorrow to determine its suitability for sampling. Well to be sampled if it is possible to operate pump.

#6 Determine possibility of sampling old USGS wells located near ocean downgradient of the Monument Beach wellfield (Corps). One well was sampled yesterday 10/23; two wells to be sampled today. The deepest well in the four well cluster, which is screened in salt water, is clogged and cannot be sampled. The laboratory will treat any brackish groundwater samples prior to analysis for perchlorate. Turn around time for the analysis is 1 week.

#10 Provide narrative summary of MW-233 screen positions (Corps). Provided via email 10/23.

#11 Provide Table of Contents for J-2 Report (AMEC). Table of Contents provided. Jane Dolan (EPA) to provide comment.

MW-244 (J1P-1) Screen Selection

Herb Colby (AMEC) led a discussion on the screen selection for MW-244, which was held over from 10/23, pending review of the MW-58 forward particle track.

- Forward particle track from MW-58 (at the J-1 Range Interberm Area) crosses the MW-244 (a well downgradient of MW-58 in the Central Impact Area) borehole at 155 ft bwt.
- Profile samples were relatively clean.
- All parties agreed on screen selection for MW-244 as follows:
  Water table screen to serve as a boundary for the Central Impact Area plume.
  Screen centered at 155 ft bwt to assess downgradient extent of RDX from J-1 Range.

MSP3 and Southeast Ranges Update

Rob Foti (Corps) provided an update on the MSP3 tasks.

J-2 Range Polygons. Crews finished Polygon 2J. Working on Polygon 2K, which is a burn pit where 20mm projectile (target practice) have been found. 17 polygons completed, 2 (2B and 2E) need to be revisited, 4 additional still need to be investigated. Updated list of findings was distributed. Jane Dolan to provide comments on Polygon reports via email.
SCAR Site. Updated table of findings distributed. BIP of two 155MM rounds was completed, both were HE. There were no additional items found beneath these rounds at Anomalies 11 and 13 and the investigation of the SCAR site was completed. A 105MM found in the access road to the trench was identified as a white phosphorus round after being BIPed. The area around the round was raked and post-BIP samples for white phosphorus collected.
U Range. Grubbing (95% complete) and surface clearance continuing. The southern berm was cut into to get access to 3.5-inch rockets. Four grids are being set up for documenting the orientation and declination of rockets. Tetra Tech to provide update on numbers/locations of subcal and 3.5-inch rockets found at 11/7 Tech meeting. Geophysical surveys to begin next week.
Drilling/Sampling. – ROA approvals were received for J3P-19, -20 and –22 at the end of the 30-day process period. Approval of ROAs for D1P-16, -17, and –18 were also received.
Three drilling rigs are in operation. Screens are being set at J1P-1 (MW-244). This rig to move to J3P-19. Drilling is being conducted at J1P-17 and will likely be completed next week. Well screens at J3P-31 were set yesterday, 10/23, and the rig to move to J3P-20.
UXO – Clearance completed at J3P-20 and –22 yesterday. Returning to pad J3P-19 tomorrow, 10/25, with Dr. Sue Goodfellow (E&RC) to review items discovered at pad including a 1920's license plate and nails. As Mr. Borci pointed out, the Corps does understand that this is one of the higher priority wells to be installed.
Barrage Rocket and Hillside Sites. To Ms. Dolan's inquiry, Mr. Foti indicated that ROAs were approved for these sites. There were specific requirements for the other MSP3 sites such as the ponds. Twenty transects are being conducted at the Barrage Rocket site.
AirMag – To Ms. Dolan's inquiry, Susan Stewart (Tetra Tech) indicated that the AirMag Report was under review by the Guard and should be submitted to the agencies on 11/22 or 11/25.
Miscellaneous – Todd Borci (EPA) requested that AMEC forward the write-up on MW-187 petroleum product detections to him and Denis LeBlanc (USGS).

- To Mr. Borci's inquiry, John MacPherson (ACE) explained that hunting was being conducted in the training areas north and west of the Impact Area, but not in the Impact Area. Range Control had not restricted contractor access to the Impact Area or Southeast Ranges during the hunting period; the contractor's to make individual decision on what areas to work in based on safety concerns. Len Pinaud (MADEP) indicated hunting was scheduled for December 2, 3, 7, 16, 20, 21.
- Desiree Moyer (EPA) requested an updated list of proposed versus actual wells.

Central Impact Area Soil OU Boundaries

Jay Clausen (AMEC) led a discussion on the boundaries of the Central Impact Soil OU.

- A figure was distributed showing a compilation of the AirMag data; outline of the RDX groundwater plume; detections of soil grids with explosives; UXO finds and anomaly investigations in the vicinity of the Impact Area. An outline of the boundary of the soil OU, as defined in a previous meeting, was drawn on the figure in red. The OU included 100-foot diameter circles around areas associated with RTNs.
- Based on this data, Mr. Clausen asked the agencies for any revisions.
- Mr. Borci suggested that the Target 46 area at Five Corners be included even though no explosives were detected in soil in this area and the underlying groundwater contamination might be attributable to further upgradient sources. Closer scrutiny of this area could be made under the OU.

- Mr. Clausen recommended the eastern boundary be moved to include all the soil detections at HUTAII Transect 2.
- Mr. Clausen indicated further that the OU boundary included the termination of all particle backtracks and the areas of low level perchlorate detections in soil, approximately 12 detections of 150 soil samples collected from particle backtracks, targets and anomalies. Mr. Clausen to double-check on particle backtracks.
- All parties agreed that the Map should be revised accordingly and AMEC to proceed with the Eco-Risk Assessment.

Bourne Update

Bill Gallagher (IAGWSPO) summarized recent Bourne activities and discussions from the Wellhead Treatment Team meeting.

- Weekly and monthly sampling was continuing; waiting on the ROA for WS4P-4.
- Regarding the setting of the MW-233 well screens, the shallow screen was set where originally selected (where perchlorate was detected in the profile sample). The other two screens were set 18 feet deeper than originally selected. The M2 screen, which was set at 133-143 feet, did intersect the particle backtrack from WS-4 (at 142 feet bwt), which was the approximate target depth (140-150 ft bwt) for the M1 screen. Todd Borci suggested the Guard wait on any decision regarding MW-233 after WS4P-4 was installed.
- Regarding MW-219 (WS4P-1) data, the quick-turn profile results reported perchlorate as non-detect for the shallow well screen (S). However, this result was from a result the lab reran, the original result was a detection of 0.49 ppb, which the validator's determined was valid. The detection was noted at 183 ft bwt, while the screen was set at 170-180 ft bwt. Todd Borci requested that the validators be asked to review the chromotagrams of the clean samples and the lab be contacted regarding the reason for reanalyzing the sample. This information to be explained in the Monday Bourne sampling update with a cover email. Leo Yuskus (Haley & Ward) to be notified of this development.

Wellhead Treatment Meeting

Documentation. AMEC representatives to take notes and distribute notes to team and EPA/MADEP.

Bourne Supply Wells secondary water parameters. These results were requested for use in evaluating the pilot testing. Information on the Bourne wells is only collected in December; however DEP Water Supply requires seasonal data. However, this information is primarily necessary for the COCs, for which plenty of information is available.

Technology Transfer. Guard provided information from Central Impact Area Pump test and GAC test with Bourne and DEP Water Supply.

Definition of Success. Guard defines success as treating the perchlorate in groundwater to the approved MCL. The pilot program will be designed to evaluate various influent concentrations.

Technologies. Under consideration for pilot testing are GAC, tailored/amended GAC (with ion exchange resin) and Ion Exchange. Technologies to be considered for emergency conditions are GAC and possibly GAC from coconut shell carbon.

Source Waters for Pilot Test. AMEC recommended MW-80M1 be used for the source of perchlorate-containing water since the geochemistry of the water from this well is similar to the Bourne wellfield and has had consistent detections above 1 ppb. AMEC to review drilling logs and complete a mini pump test as a minimum pumping rate of 10 gpm is required. D.L. Maher had indicated that the Redi Flo 2 pump, which is the only commercially available pump to use in a 2-inch well, will only pump the water at a maximum of 5 to 6 gpm given the 50 foot head. AMEC to evaluate further.

Vendor Presentation. Mary Chung of US Filters provided a presentation on use of Ion Exchange for perchlorate treatment. US Filters is fairly well connected and have experience in all three technologies.
Action Items.

- Guard to evaluate pumping capacity of MW-80M1.
- BWD/Haley and Ward to review geochemistry data from MW-80M1 in comparison to Bourne well field data.
- DEP to see if coconut shell carbon is an innovative technology that would trigger the necessity of going though the permitting process.
- Guard to check on NSF approval of resins.
- Next meeting to be scheduled pending receipt of MW-80M1 information.

Miscellaneous

- Todd Borci requested that Mike Goydas (Jacobs) follow up on last week's question to Larry Panell (Jacobs) regarding available rounds of data for CS-8 wells.
- Regarding the data handout from the IART meeting, AMEC to check on analytical results for MW-16.
- Regarding recent metal results at MW-188 and MW-215 and SVOC data at MW-187 and MW-188, Mr. Borci requested that AMEC note this data and provide validated data summary to EPA when available.

Documents and Schedules
Marc Grant (AMEC) led a discussion of document priorities.
Demo 1` Environmental Risk Characterization Report MOR. 1st priority. Waiting on EPA approval.
Demo 1 Soil Report MOR. 2nd priority. Waiting on DEP approval. Len Pinaud indicated that further clarification was needed regarding General Comment #1, DEP was uncertain of where this comment was introduced. Mr. Grant to check.
Small Arms Ranges Report. 3rd priority. Waiting on DEP comments.
UXO Interim Screening Report MOR. 4th priority. Len Pinaud (MADEP) indicated that DEP had sent a letter of concurrence. Also waiting EPA approval.
MSP II ASP Letter Report MOR. 5th priority. Waiting on EPA approval.
Central Impact Area Aquifer Test Summary Report. 6th priority. Comments from both agencies expected. DEP comments ready shortly.
HUTA1 Report. Response to Comment Letter sent of 8/28. EPA to provide additional comments that are several weeks off from being drafted.
MSP3 Gun and Mortar Workplan. Desiree Moyer to check if resolution meeting or RCL response is next step.
Munitions Management Plan. Revised plan, in accordance with EPA's original comments, to be sent on 10/31. DEP to review this revision of the plan.
OE Characterization Workplan. Mr. Grant to check if TBD for this document is for MOR approval. Mr. Borci indicated comments on MOR are approximately 2 weeks off.

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 M-6C had a detection of perchlorate. This is the first detection of perchlorate in this interval. Perchlorate has previously been detected in the B interval at this well.

- Groundwater samples from 4036000-03G; 01-1; 01-2; 1-88B; 02-04M1; 02-05M1, M2, M3; 02-13M1, M3; and MW-213M3 had detections of perchlorate. The results were similar to the previous sampling rounds.

- Groundwater samples from M-7C had a detection of 1,2,4-trichlorobenzene. This is the first time 1,2,4-trichlorobenzene has been detected in this well.

- Thirty-one groundwater samples and duplicate samples had detections of chloroform.

Central Impact Area

- Groundwater samples from MW-206M1 and MW-207M1, M2 had detections of explosives that were confirmed by PDA spectra. The results were similar to the previous sampling rounds.

North of the Central Impact Area

- Groundwater samples from MW-55D and MW-63D had detections of RDX that were not confirmed by PDA spectra, but with interference. There have been no previous validated detections of RDX in these wells.

Southeast Ranges

- Groundwater samples from 90WT0013 had detections of MNX and RDX that were confirmed by PDA spectra, but with interference. A duplicate sample had a detection of RDX that was confirmed by PDA spectra, but with interference. Additional explosive compounds were detected but not confirmed by PDA spectra. The detection of RDX was similar to previous sampling rounds. This is the first detection of MNX, as well as the first analysis with the method 8330NX in this well.

- Groundwater samples from MW-190M1 had a detection of TNT that was confirmed by PDA spectra, but with interference. There have been no previous validated detections of explosives in this well.

- Groundwater samples from MW-187M1, MW-191M2, MW-196S, MW-217M1, M2, and MW-218M2, M3 had detections of explosives that were confirmed by PDA spectra. The results were similar to the previous sampling rounds.

- Groundwater samples from MW-234M2 had detections of RDX, 2A-DNT, 4A-DNT, nitroglycerin, and TNT. The detections were confirmed by PDA spectra, except for the detection of nitroglycerin. The results were consistent with the profile results.

- Groundwater samples from MW-236S had a detection of picric acid that was not confirmed by PDA spectra. The results were consistent with the profile results.

- Profile samples from MW-244 (J1P-1) had detections of explosives and VOCs. 1,3,5-trinitrobenzene was detected and confirmed by PDA spectra at 5 feet below the water table. 2,6-DNT was detected and confirmed by PDA spectra at four intervals: 5 feet, 10 feet, 30 feet, and 110 feet below the water table. Well screens were set at the water table and at the depth (150-160 ft bwt) that the forward particle track from MW-58S intersected with the MW-244 borehole.

3. DELIVERABLES SUBMITTED

Weekly Progress Update October 14 - October 18, 2002 10/25/2002

4. SCHEDULED ACTIONS

Scheduled actions for the week of October 28 include complete well installation of MW-244 (J1P-1), complete drilling of MW-245 (J1P-17) and commence drilling of MW-246 (J3P-20) and J3P-22.

5. 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 will be initiated next week. Soil sampling, to provide additional delineation of the extent of contamination, was initiated this week.

TABLE 2
SAMPLING PROGRESS
10/19/2002 - 10/26/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
SR.A.T11.001.1.0	SR.A.T11.001	10/22/2002	CRATER GRAB				
SR.A.T11.001.2.0	SR.A.T11.001	10/23/2002	CRATER GRAB				
SR.A.T13.001.1.0	SR.A.T13.001	10/22/2002	CRATER GRAB				
SR.A.T13.001.2.0	SR.A.T13.001	10/23/2002	CRATER GRAB				
0.G.0.0UR04.0.E	FIELDQC	10/22/2002	FIELDQC	0.00	0.00		
0.G.0.0UR05.0.E	FIELDQC	10/23/2002	FIELDQC	0.00	0.00		
G245DAE	FIELDQC	10/22/2002	FIELDQC	0.00	0.00		
G245DBE	FIELDQC	10/23/2002	FIELDQC	0.00	0.00		
G245DME	FIELDQC	10/24/2002	FIELDQC	0.00	0.00		
G245DPE	FIELDQC	10/25/2002	FIELDQC	0.00	0.00		
HC12AW1AAE	FIELDQC	10/25/2002	FIELDQC	0.00	0.00		
HD102N11BAF	FIELDQC	10/22/2002	FIELDQC	0.00	0.00		
HD102NB5BAE	FIELDQC	10/22/2002	FIELDQC	0.00	0.00		
HD138A3CAE	FIELDQC	10/23/2002	FIELDQC	0.00	0.00		
M-4D-E	FIELDQC	10/24/2002	FIELDQC	0.00	0.00		
M-4D-T	FIELDQC	10/24/2002	FIELDQC	0.00	0.00		
M-5B-E	FIELDQC	10/21/2002	FIELDQC	0.00	0.00		
M-5B-T	FIELDQC	10/21/2002	FIELDQC	0.00	0.00		
TW00-2D-E	FIELDQC	10/25/2002	FIELDQC	0.00	0.00		
TW00-5-E	FIELDQC	10/23/2002	FIELDQC	0.00	0.00		
TW1-88AE	FIELDQC	10/22/2002	FIELDQC	0.00	0.00		
W02-12M1T	FIELDQC	10/22/2002	FIELDQC	0.00	0.00		
W193SSE	FIELDQC	10/23/2002	FIELDQC	0.00	0.00		
W193SST	FIELDQC	10/23/2002	FIELDQC	0.00	0.00		
W196M1E	FIELDQC	10/25/2002	FIELDQC	0.00	0.00		
W196SSE	FIELDQC	10/24/2002	FIELDQC	0.00	0.00		
4036000-01G	4036000-01G	10/22/2002	GROUNDWATER			6.00	12.00
4036000-03G	4036000-03G	10/22/2002	GROUNDWATER	50.00	60.00	6.00	12.00
4036000-04G	4036000-04G	10/22/2002	GROUNDWATER			6.00	12.00
4036000-06G	4036000-06G	10/22/2002	GROUNDWATER			6.00	12.00
BHW222-A	BHW222	10/23/2002	GROUNDWATER				
BHW223-A	BHW223	10/24/2002	GROUNDWATER				
BHW223-D	BHW223	10/24/2002	GROUNDWATER				
BHW224-A	BHW224	10/24/2002	GROUNDWATER				
M-1B-A	M-1	10/21/2002	GROUNDWATER		45.00		3.54
M-1C-A	M-1	10/21/2002	GROUNDWATER		55.00		10.54
M-1D-A	M-1	10/21/2002	GROUNDWATER		65.00		20.43
M-4B-A	M-4	10/24/2002	GROUNDWATER		69.00	8.11	8.11
M-4C-A	M-4	10/24/2002	GROUNDWATER		79.00	18.11	18.11
M-4D-A	M-4	10/24/2002	GROUNDWATER		89.00	28.11	28.11
M-5B-A	M-5	10/21/2002	GROUNDWATER		65.00		7.00
M-5C-A	M-5	10/21/2002	GROUNDWATER		75.00		17.00
M-5D-A	M-5	10/21/2002	GROUNDWATER		85.00		27.00
MW00-4-A	00-4	10/22/2002	GROUNDWATER	64.00	70.00	38.00	44.00

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
10/19/2002 - 10/26/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
TW00-1-A	00-1	10/24/2002	GROUNDWATER	64.00	70.00	64.00	70.00
TW00-2D-A	00-2	10/25/2002	GROUNDWATER	71.00	77.00	43.95	49.95
TW00-2S-A	00-2	10/25/2002	GROUNDWATER	29.00	35.00	1.17	7.17
TW00-5-A	00-5	10/23/2002	GROUNDWATER	50.00	56.00	15.50	21.50
TW00-6-A	00-6	10/23/2002	GROUNDWATER	36.00	42.00	9.60	15.60
TW00-7-A	00-7	10/23/2002	GROUNDWATER	57.00	63.00	25.50	31.50
TW01-1-A	01-1	10/22/2002	GROUNDWATER	62.00	67.00	55.21	60.21
TW01-2-A	01-2	10/22/2002	GROUNDWATER	50.00	56.00	24.50	30.50
TW1-88AA	1-88	10/22/2002	GROUNDWATER		102.90	0.00	67.40
TW1-88B-A	1-88	10/23/2002	GROUNDWATER		105.50	0.00	69.60
TW1-88B-D	1-88	10/23/2002	GROUNDWATER		105.50	0.00	69.60
W02-04M1A	02-04	10/24/2002	GROUNDWATER	123.00	133.00	73.97	83.97
W02-04M2A	02-04	10/25/2002	GROUNDWATER	98.00	108.00	48.93	58.93
W02-04M3A	02-04	10/25/2002	GROUNDWATER	83.00	93.00	34.01	44.01
W02-05M2A	02-05	10/21/2002	GROUNDWATER	92.00	102.00	63.41	73.41
W02-05M3A	02-05	10/21/2002	GROUNDWATER	70.00	80.00	41.37	51.37
W02-10M1A	02-10	10/25/2002	GROUNDWATER	135.00	145.00	94.00	104.00
W02-10M2A	02-10	10/25/2002	GROUNDWATER	110.00	120.00	68.61	78.61
W02-12M1A	02-12	10/22/2002	GROUNDWATER	109.00	119.00	58.35	68.35
W02-12M2A	02-12	10/22/2002	GROUNDWATER	94.00	104.00	43.21	53.21
W02-12M3A	02-12	10/22/2002	GROUNDWATER	79.00	89.00	28.22	38.22
W02-13M1A	02-13	10/22/2002	GROUNDWATER	98.00	108.00	58.33	68.33
W02-13M2A	02-13	10/22/2002	GROUNDWATER	83.00	93.00	44.20	54.20
W02-13M3A	02-13	10/22/2002	GROUNDWATER	68.00	78.00	28.30	38.30
W191M1A	MW-191	10/21/2002	GROUNDWATER	137.00	142.00	25.20	30.20
W191M2A	MW-191	10/21/2002	GROUNDWATER	120.00	130.00	8.40	18.40
W191SSA	MW-191	10/21/2002	GROUNDWATER	106.00	116.00	0.00	10.00
W192M1A	MW-192	10/22/2002	GROUNDWATER	195.00	205.00	94.19	104.19
W192M2A	MW-192	10/22/2002	GROUNDWATER	135.00	145.00	34.19	44.19
W192M3A	MW-192	10/22/2002	GROUNDWATER	115.00	125.00	14.19	24.19
W193M1A	MW-193	10/23/2002	GROUNDWATER	57.00	62.00	23.80	28.80
W193SSA	MW-193	10/23/2002	GROUNDWATER	31.00	36.00	0.00	5.00
W196M1A	MW-196	10/25/2002	GROUNDWATER	45.00	50.00	12.00	17.00
W196SSA	MW-196	10/24/2002	GROUNDWATER	32.00	37.00	0.00	5.00
W210M3A	MW-210	10/25/2002	GROUNDWATER	121.00	131.00	19.68	29.68
W219M1A	MW-219	10/21/2002	GROUNDWATER	357.00	367.00	178.00	188.00
W219M2A	MW-219	10/21/2002	GROUNDWATER	332.00	342.00	153.05	163.05
W219M3A	MW-219	10/21/2002	GROUNDWATER	315.00	325.00	135.80	145.80
W219M3D	MW-219	10/21/2002	GROUNDWATER	315.00	325.00	135.80	145.80
W219M4A	MW-219	10/21/2002	GROUNDWATER	225.00	235.00	45.70	55.70
WS-4AD-A	WS-4A	10/24/2002	GROUNDWATER	218.00	228.00	148.50	158.50
WS-4AS-A	WS-4A	10/24/2002	GROUNDWATER	155.00	165.00	85.50	95.50
DW102202-NV	GAC WATER	10/22/2002	IDW				
DW102502-NV	GAC WATER	10/25/2002	IDW				

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
10/19/2002 - 10/26/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G245DAA	MW-245	10/22/2002	PROFILE	130.00	130.00	6.10	6.10
G245DBA	MW-245	10/23/2002	PROFILE	140.00	140.00	16.10	16.10
G245DCA	MW-245	10/23/2002	PROFILE	150.00	150.00	26.10	26.10
G245DDA	MW-245	10/23/2002	PROFILE	160.00	160.00	36.10	36.10
G245DDD	MW-245	10/23/2002	PROFILE	160.00	160.00	36.10	36.10
G245DEA	MW-245	10/23/2002	PROFILE	170.00	170.00	46.10	46.10
G245DFA	MW-245	10/23/2002	PROFILE	180.00	180.00	56.10	56.10
G245DGA	MW-245	10/23/2002	PROFILE	190.00	190.00	66.10	66.10
G245DHA	MW-245	10/23/2002	PROFILE	200.00	200.00	76.10	76.10
G245DIA	MW-245	10/23/2002	PROFILE	210.00	210.00	86.10	86.10
G245DJA	MW-245	10/23/2002	PROFILE	220.00	220.00	96.10	96.10
G245DKA	MW-245	10/23/2002	PROFILE	230.00	230.00	106.10	106.10
G245DLA	MW-245	10/23/2002	PROFILE	240.00	240.00	116.10	116.10
G245DMA	MW-245	10/24/2002	PROFILE	250.00	250.00	126.10	126.10
G245DNA	MW-245	10/24/2002	PROFILE	260.00	260.00	136.10	136.10
G245DOA	MW-245	10/24/2002	PROFILE	270.00	270.00	146.10	146.10
G245DPA	MW-245	10/25/2002	PROFILE	280.00	280.00	156.10	156.10
G245DQA	MW-245	10/25/2002	PROFILE	290.00	290.00	166.10	166.10
HC102VA1AAA	102VA	10/22/2002	SOIL GRID	0.00	0.25		
HC12AW1AAA	12AW	10/25/2002	SOIL GRID	0.00	0.25		
HC12AW1BAA	12AW	10/25/2002	SOIL GRID	0.25	0.50		
HC12AW1CAA	12AW	10/25/2002	SOIL GRID	0.50	1.00		
HC12AW1CAD	12AW	10/25/2002	SOIL GRID	0.50	1.00		
HC12AX1AAA	12AX	10/25/2002	SOIL GRID	0.00	0.25		
HC12AX1BAA	12AX	10/25/2002	SOIL GRID	0.25	0.50		
HC12AX1CAA	12AX	10/25/2002	SOIL GRID	0.50	1.00		
HC12AY1AAA	12AY	10/25/2002	SOIL GRID	0.00	0.25		
HC12AY1BAA	12AY	10/25/2002	SOIL GRID	0.25	0.50		
HC12AY1CAA	12AY	10/25/2002	SOIL GRID	0.50	1.00		
HD102N11BAA	102N1	10/23/2002	SOIL GRID	0.50	1.00		
HD102N11BAD	102N1	10/23/2002	SOIL GRID	0.50	1.00		
HD102NA5CAA	102N1	10/22/2002	SOIL GRID	0.50	1.00		
HD102NB5BAA	102N1	10/22/2002	SOIL GRID	0.25	0.50		
HD103BG5CAA	103BG	10/23/2002	SOIL GRID	0.25	0.50		
HD130K3CAA	130K	10/23/2002	SOIL GRID	0.50	1.00		
HD138A3CAA	138A	10/23/2002	SOIL GRID	0.50	1.00		
J2.F.T2J.XC1.1.0	J2 Target 2J Excavatic	10/23/2002	SOIL GRID	0.00	7.00		
J2.F.T2J.XC1.2.0	J2 Target 2J Excavatic	10/23/2002	SOIL GRID	7.00	7.25		
J2.F.T2J.XC1.3.0	J2 Target 2J Excavatic	10/23/2002	SOIL GRID	1.00	1.50		
SR.A.T11.001.3.0	SR.T11.001.R	10/23/2002	CRATER GRID	0.00	0.17		
SR.A.T13.001.3.0	SR.T13.001.R	10/23/2002	CRATER GRID	0.00	0.17		

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 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 10/04/02 - 10/26/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
4036000-03G	4036000-03G	10/22/2002	GROUNDWATEF	50.00	60.00	6.00	12.00	E314.0	PERCHLORATE	
90WT0013-A	90WT0013	10/09/2002	GROUNDWATEF	92.00	102.00	0.00	10.00	8330NX	2,4,6-TRINITROTOLUENE	NO
90WT0013-A	90WT0013	10/09/2002	GROUNDWATEF	92.00	102.00	0.00	10.00	8330NX	2,6-DINITROTOLUENE	NO
90WT0013-A	90WT0013	10/09/2002	GROUNDWATEF	92.00	102.00	0.00	10.00	8330NX	2-AMINO-4,6-DINITROTOLUENE	NO
90WT0013-A	90WT0013	10/09/2002	GROUNDWATEF	92.00	102.00	0.00	10.00	8330NX	2-NITROTOLUENE	NO
90WT0013-A	90WT0013	10/09/2002	GROUNDWATEF	92.00	102.00	0.00	10.00	8330NX	3-NITROTOLUENE	NO
90WT0013-A	90WT0013	10/09/2002	GROUNDWATEF	92.00	102.00	0.00	10.00	8330NX	4-AMINO-2,6-DINITROTOLUENE	NO
90WT0013-A	90WT0013	10/09/2002	GROUNDWATEF	92.00	102.00	0.00	10.00	8330NX	4-NITROTOLUENE	NO
90WT0013-A	90WT0013	10/09/2002	GROUNDWATEF	92.00	102.00	0.00	10.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,	YES*
90WT0013-A	90WT0013	10/09/2002	GROUNDWATEF	92.00	102.00	0.00	10.00	8330NX	HEXAHYDRO-1-MONONITROSO	YES*
90WT0013-A	90WT0013	10/09/2002	GROUNDWATEF	92.00	102.00	0.00	10.00	8330NX	NITROGLYCERIN	NO
90WT0013-A	90WT0013	10/09/2002	GROUNDWATEF	92.00	102.00	0.00	10.00	8330NX	PICRIC ACID	NO
90WT0013-D	90WT0013	10/09/2002	GROUNDWATEF	92.00	102.00	0.00	10.00	8330NX	2,4,6-TRINITROTOLUENE	NO
90WT0013-D	90WT0013	10/09/2002	GROUNDWATEF	92.00	102.00	0.00	10.00	8330NX	2,6-DINITROTOLUENE	NO
90WT0013-D	90WT0013	10/09/2002	GROUNDWATEF	92.00	102.00	0.00	10.00	8330NX	2-AMINO-4,6-DINITROTOLUENE	NO
90WT0013-D	90WT0013	10/09/2002	GROUNDWATEF	92.00	102.00	0.00	10.00	8330NX	2-NITROTOLUENE	NO
90WT0013-D	90WT0013	10/09/2002	GROUNDWATEF	92.00	102.00	0.00	10.00	8330NX	3-NITROTOLUENE	NO
90WT0013-D	90WT0013	10/09/2002	GROUNDWATEF	92.00	102.00	0.00	10.00	8330NX	4-AMINO-2,6-DINITROTOLUENE	NO
90WT0013-D	90WT0013	10/09/2002	GROUNDWATEF	92.00	102.00	0.00	10.00	8330NX	4-NITROTOLUENE	NO
90WT0013-D	90WT0013	10/09/2002	GROUNDWATEF	92.00	102.00	0.00	10.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,	YES*
90WT0013-D	90WT0013	10/09/2002	GROUNDWATEF	92.00	102.00	0.00	10.00	8330NX	NITROGLYCERIN	NO
90WT0013-D	90WT0013	10/09/2002	GROUNDWATEF	92.00	102.00	0.00	10.00	8330NX	PICRIC ACID	NO
M-6C-A	M-6	10/16/2002	GROUNDWATEF		69.00		20.54	E314.0	PERCHLORATE	
M-7C-A	M-7	10/17/2002	GROUNDWATEF		65.00	8.16	8.16	OC21V	1,2,4-TRICHLOROBENZENE	
TW01-1-A	01-1	10/22/2002	GROUNDWATEF	62.00	67.00	55.21	60.21	E314.0	PERCHLORATE	
TW01-2-A	01-2	10/22/2002	GROUNDWATEF	50.00	56.00	24.50	30.50	E314.0	PERCHLORATE	
TW1-88B-A	1-88	10/23/2002	GROUNDWATEF		105.50	0.00	69.60	E314.0	PERCHLORATE	
W02-04M1A	02-04	10/24/2002	GROUNDWATEF	123.00	133.00	73.97	83.97	OC21V	TRICHLOROETHYLENE (TCE)	
W02-05M1A	02-05	10/18/2002	GROUNDWATEF	110.00	120.00	81.44	91.44	E314.0	PERCHLORATE	
W02-05M2A	02-05	10/21/2002	GROUNDWATEF	92.00	102.00	63.41	73.41	E314.0	PERCHLORATE	
W02-05M3A	02-05	10/21/2002	GROUNDWATEF	70.00	80.00	41.37	51.37	E314.0	PERCHLORATE	
W02-13M1A	02-13	10/22/2002	GROUNDWATEF	98.00	108.00	58.33	68.33	E314.0	PERCHLORATE	

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 10/04/02 - 10/26/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W02-13M3A	02-13	10/22/2002	GROUNDWATEF	68.00	78.00	28.30	38.30	E314.0	PERCHLORATE	
W187M1A	MW-187	10/16/2002	GROUNDWATEF	160.00	170.00	51.30	61.30	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W187M1A	MW-187	10/16/2002	GROUNDWATEF	160.00	170.00	51.30	61.30	8330N	OCTAHYDRO-1,3,5,7-TETRANIT	YES
W190M1A	MW-190	10/15/2002	GROUNDWATEF	145.00	155.00	44.32	54.32	8330N	2,4,6-TRINITROTOLUENE	YES*
W191M2A	MW-191	10/21/2002	GROUNDWATEF	120.00	130.00	8.40	18.40	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W191M2A	MW-191	10/21/2002	GROUNDWATEF	120.00	130.00	8.40	18.40	8330N	OCTAHYDRO-1,3,5,7-TETRANIT	YES
W196SSA	MW-196	10/24/2002	GROUNDWATEF	32.00	37.00	0.00	5.00	8330N	1,3,5-TRINITROBENZENE	YES
W196SSA	MW-196	10/24/2002	GROUNDWATEF	32.00	37.00	0.00	5.00	8330N	2,4,6-TRINITROTOLUENE	YES
W196SSA	MW-196	10/24/2002	GROUNDWATEF	32.00	37.00	0.00	5.00	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
W196SSA	MW-196	10/24/2002	GROUNDWATEF	32.00	37.00	0.00	5.00	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W196SSA	MW-196	10/24/2002	GROUNDWATEF	32.00	37.00	0.00	5.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES*
W196SSA	MW-196	10/24/2002	GROUNDWATEF	32.00	37.00	0.00	5.00	8330N	OCTAHYDRO-1,3,5,7-TETRANIT	YES
W206M1A	MW-206	10/15/2002	GROUNDWATEF	178.50	188.50	19.57	29.57	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W206M1A	MW-206	10/15/2002	GROUNDWATEF	178.50	188.50	19.57	29.57	8330N	OCTAHYDRO-1,3,5,7-TETRANIT	YES
W207M1A	MW-207	10/18/2002	GROUNDWATEF	254.00	264.00	100.52	110.52	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W207M2A	MW-207	10/18/2002	GROUNDWATEF	224.00	234.00	79.33	89.33	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W213M3A	MW-213	10/16/2002	GROUNDWATEF	77.00	82.00	29.38	34.38	E314.0	PERCHLORATE	
W217M1A	MW-217	10/17/2002	GROUNDWATEF	148.00	153.00	143.00	148.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W217M2A	MW-217	10/14/2002	GROUNDWATEF	138.00	143.00	133.00	138.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W218M2A	MW-218	10/15/2002	GROUNDWATEF	98.00	103.00	93.00	98.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W218M2A	MW-218	10/15/2002	GROUNDWATEF	98.00	103.00	93.00	98.00	8330N	OCTAHYDRO-1,3,5,7-TETRANIT	YES
W218M3A	MW-218	10/15/2002	GROUNDWATEF	78.00	83.00	73.00	78.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W218M3A	MW-218	10/15/2002	GROUNDWATEF	78.00	83.00	73.00	78.00	8330N	OCTAHYDRO-1,3,5,7-TETRANIT	YES
W234M2A	MW-234	10/17/2002	GROUNDWATEF	110.00	120.00	1.60	11.60	8330N	2,4,6-TRINITROTOLUENE	YES
W234M2A	MW-234	10/17/2002	GROUNDWATEF	110.00	120.00	1.60	11.60	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
W234M2A	MW-234	10/17/2002	GROUNDWATEF	110.00	120.00	1.60	11.60	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W234M2A	MW-234	10/17/2002	GROUNDWATEF	110.00	120.00	1.60	11.60	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W234M2A	MW-234	10/17/2002	GROUNDWATEF	110.00	120.00	1.60	11.60	8330N	NITROGLYCERIN	NO
W236SSA	MW-236	10/16/2002	GROUNDWATEF	96.00	106.00	0.00	10.00	8330N	PICRIC ACID	NO
W55DDA	MW-55	10/08/2002	GROUNDWATEF	255.00	265.00	119.00	129.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO*
W63DDA	MW-63	10/07/2002	GROUNDWATEF	375.00	380.00	221.00	226.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO*
WS-4AS-A	WS-4AS	10/24/2002	GROUNDWATEF	155.00	165.00	85.50	95.50	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
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 10/04/02 - 10/26/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G245DOA	MW-245	10/24/2002	GROUNDWATEF	270.00	270.00	146.10	146.10	OC21V	CHLOROFORM	
M-1B-A	M-1	10/21/2002	GROUNDWATEF		45.00		3.54	OC21V	CHLOROFORM	
M-1C-A	M-1	10/21/2002	GROUNDWATEF		55.00		10.54	OC21V	CHLOROFORM	
M-1D-A	M-1	10/21/2002	GROUNDWATEF		65.00		20.43	OC21V	CHLOROFORM	
M-4B-A	M-4	10/24/2002	GROUNDWATEF		69.00	8.11	8.11	OC21V	CHLOROFORM	
M-4C-A	M-4	10/24/2002	GROUNDWATEF		79.00	18.11	18.11	OC21V	CHLOROFORM	
M-4D-A	M-4	10/24/2002	GROUNDWATEF		89.00	28.11	28.11	OC21V	CHLOROFORM	
M-5B-A	M-5	10/21/2002	GROUNDWATEF		65.00		7.00	OC21V	CHLOROFORM	
M-5C-A	M-5	10/21/2002	GROUNDWATEF		75.00		17.00	OC21V	CHLOROFORM	
M-5D-A	M-5	10/21/2002	GROUNDWATEF		85.00		27.00	OC21V	CHLOROFORM	
M-7B-A	M-7	10/17/2002	GROUNDWATEF		55.00	2.16	2.16	OC21V	CHLOROFORM	
M-7C-A	M-7	10/17/2002	GROUNDWATEF		65.00	8.16	8.16	OC21V	CHLOROFORM	
TW00-1-A	00-1	10/24/2002	GROUNDWATEF	64.00	70.00	64.00	70.00	OC21V	CHLOROFORM	
TW00-5-A	00-5	10/23/2002	GROUNDWATEF	50.00	56.00	15.50	21.50	OC21V	CHLOROFORM	
TW00-6-A	00-6	10/23/2002	GROUNDWATEF	36.00	42.00	9.60	15.60	OC21V	CHLOROFORM	
TW00-7-A	00-7	10/23/2002	GROUNDWATEF	57.00	63.00	25.50	31.50	OC21V	CHLOROFORM	
W02-03M1A	02-03	10/18/2002	GROUNDWATEF	130.00	140.00	86.10	96.10	OC21V	CHLOROFORM	
W02-03M2A	02-03	10/18/2002	GROUNDWATEF	92.00	102.00	48.15	58.15	OC21V	CHLOROFORM	
W02-03M3A	02-03	10/18/2002	GROUNDWATEF	75.00	85.00	31.05	41.05	OC21V	CHLOROFORM	
W02-04M1A	02-04	10/24/2002	GROUNDWATEF	123.00	133.00	73.97	83.97	OC21V	CHLOROFORM	
W02-05M1A	02-05	10/18/2002	GROUNDWATEF	110.00	120.00	81.44	91.44	OC21V	CHLOROFORM	
W02-05M2A	02-05	10/21/2002	GROUNDWATEF	92.00	102.00	63.41	73.41	OC21V	CHLOROFORM	
W02-05M3A	02-05	10/21/2002	GROUNDWATEF	70.00	80.00	41.37	51.37	OC21V	CHLOROFORM	
W02-12M2A	02-12	10/22/2002	GROUNDWATEF	94.00	104.00	43.21	53.21	OC21V	CHLOROFORM	
W02-12M3A	02-12	10/22/2002	GROUNDWATEF	79.00	89.00	28.22	38.22	OC21V	CHLOROFORM	
W219M1A	MW-219	10/21/2002	GROUNDWATEF	357.00	367.00	178.00	188.00	OC21V	CHLOROFORM	
W219M2A	MW-219	10/21/2002	GROUNDWATEF	332.00	342.00	153.05	163.05	OC21V	CHLOROFORM	
W219M3A	MW-219	10/21/2002	GROUNDWATEF	315.00	325.00	135.80	145.80	OC21V	CHLOROFORM	
W219M3D	MW-219	10/21/2002	GROUNDWATEF	315.00	325.00	135.80	145.80	OC21V	CHLOROFORM	
W219M4A	MW-219	10/21/2002	GROUNDWATEF	225.00	235.00	45.70	55.70	OC21V	CHLOROFORM	
G244DAA	MW-244	10/11/2002	PROFILE	125.00	125.00	5.10	5.10	8330N	1,3,5-TRINITROBENZENE	YES*
G244DAA	MW-244	10/11/2002	PROFILE	125.00	125.00	5.10	5.10	8330N	1,3-DINITROBENZENE	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
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 10/04/02 - 10/26/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G244DAA	MW-244	10/11/2002	PROFILE	125.00	125.00	5.10	5.10	8330N	2,6-DINITROTOLUENE	YES
G244DAA	MW-244	10/11/2002	PROFILE	125.00	125.00	5.10	5.10	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G244DAA	MW-244	10/11/2002	PROFILE	125.00	125.00	5.10	5.10	8330N	3-NITROTOLUENE	NO
G244DAA	MW-244	10/11/2002	PROFILE	125.00	125.00	5.10	5.10	8330N	NITROGLYCERIN	NO
G244DAA	MW-244	10/11/2002	PROFILE	125.00	125.00	5.10	5.10	8330N	PICRIC ACID	NO
G244DAA	MW-244	10/11/2002	PROFILE	125.00	125.00	5.10	5.10	OC21V	2-HEXANONE	
G244DAA	MW-244	10/11/2002	PROFILE	125.00	125.00	5.10	5.10	OC21V	ACETONE	
G244DAA	MW-244	10/11/2002	PROFILE	125.00	125.00	5.10	5.10	OC21V	CHLOROFORM	
G244DAA	MW-244	10/11/2002	PROFILE	125.00	125.00	5.10	5.10	OC21V	METHYL ETHYL KETONE (2-BUT	
G244DBA	MW-244	10/11/2002	PROFILE	130.00	130.00	10.10	10.10	8330N	2,6-DINITROTOLUENE	YES*
G244DBA	MW-244	10/11/2002	PROFILE	130.00	130.00	10.10	10.10	8330N	NITROGLYCERIN	NO
G244DBA	MW-244	10/11/2002	PROFILE	130.00	130.00	10.10	10.10	OC21V	2-HEXANONE	
G244DBA	MW-244	10/11/2002	PROFILE	130.00	130.00	10.10	10.10	OC21V	ACETONE	
G244DBA	MW-244	10/11/2002	PROFILE	130.00	130.00	10.10	10.10	OC21V	METHYL ETHYL KETONE (2-BUT	
G244DCA	MW-244	10/11/2002	PROFILE	140.00	140.00	20.10	20.10	8330N	NITROGLYCERIN	NO
G244DCA	MW-244	10/11/2002	PROFILE	140.00	140.00	20.10	20.10	OC21V	2-HEXANONE	
G244DCA	MW-244	10/11/2002	PROFILE	140.00	140.00	20.10	20.10	OC21V	ACETONE	
G244DCA	MW-244	10/11/2002	PROFILE	140.00	140.00	20.10	20.10	OC21V	METHYL ETHYL KETONE (2-BUT	
G244DDA	MW-244	10/15/2002	PROFILE	150.00	150.00	30.10	30.10	8330N	1,3,5-TRINITROBENZENE	NO
G244DDA	MW-244	10/15/2002	PROFILE	150.00	150.00	30.10	30.10	8330N	1,3-DINITROBENZENE	NO
G244DDA	MW-244	10/15/2002	PROFILE	150.00	150.00	30.10	30.10	8330N	2,6-DINITROTOLUENE	YES
G244DDA	MW-244	10/15/2002	PROFILE	150.00	150.00	30.10	30.10	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G244DDA	MW-244	10/15/2002	PROFILE	150.00	150.00	30.10	30.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G244DDA	MW-244	10/15/2002	PROFILE	150.00	150.00	30.10	30.10	8330N	NITROGLYCERIN	NO
G244DDA	MW-244	10/15/2002	PROFILE	150.00	150.00	30.10	30.10	8330N	PICRIC ACID	NO
G244DDA	MW-244	10/15/2002	PROFILE	150.00	150.00	30.10	30.10	OC21V	ACETONE	
G244DDA	MW-244	10/15/2002	PROFILE	150.00	150.00	30.10	30.10	OC21V	CHLOROFORM	
G244DDA	MW-244	10/15/2002	PROFILE	150.00	150.00	30.10	30.10	OC21V	METHYL ETHYL KETONE (2-BUT	
G244DEA	MW-244	10/15/2002	PROFILE	160.00	160.00	40.10	40.10	OC21V	ACETONE	
G244DEA	MW-244	10/15/2002	PROFILE	160.00	160.00	40.10	40.10	OC21V	CHLOROFORM	
G244DEA	MW-244	10/15/2002	PROFILE	160.00	160.00	40.10	40.10	OC21V	METHYL ETHYL KETONE (2-BUT	
G244DFA	MW-244	10/15/2002	PROFILE	170.00	170.00	50.10	50.10	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
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 10/04/02 - 10/26/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G244DFA	MW-244	10/15/2002	PROFILE	170.00	170.00	50.10	50.10	OC21V	METHYL ETHYL KETONE (2-BUT	
G244DGA	MW-244	10/15/2002	PROFILE	180.00	180.00	60.10	60.10	OC21V	CHLOROFORM	
G244DGA	MW-244	10/15/2002	PROFILE	180.00	180.00	60.10	60.10	OC21V	METHYL ETHYL KETONE (2-BUT	
G244DHA	MW-244	10/15/2002	PROFILE	190.00	190.00	70.10	70.10	OC21V	CHLOROFORM	
G244DHD	MW-244	10/15/2002	PROFILE	190.00	190.00	70.10	70.10	OC21V	CHLOROFORM	
G244DIA	MW-244	10/15/2002	PROFILE	200.00	200.00	80.10	80.10	OC21V	2-HEXANONE	
G244DIA	MW-244	10/15/2002	PROFILE	200.00	200.00	80.10	80.10	OC21V	ACETONE	
G244DIA	MW-244	10/15/2002	PROFILE	200.00	200.00	80.10	80.10	OC21V	CHLOROFORM	
G244DIA	MW-244	10/15/2002	PROFILE	200.00	200.00	80.10	80.10	OC21V	METHYL ETHYL KETONE (2-BUT	
G244DJA	MW-244	10/15/2002	PROFILE	210.00	210.00	90.10	90.10	OC21V	CHLOROFORM	
G244DKA	MW-244	10/15/2002	PROFILE	220.00	220.00	100.10	100.10	OC21V	ACETONE	
G244DKA	MW-244	10/15/2002	PROFILE	220.00	220.00	100.10	100.10	OC21V	METHYL ETHYL KETONE (2-BUT	
G244DLA	MW-244	10/16/2002	PROFILE	230.00	230.00	110.10	110.10	8330N	2,6-DINITROTOLUENE	YES
G244DLA	MW-244	10/16/2002	PROFILE	230.00	230.00	110.10	110.10	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G244DLA	MW-244	10/16/2002	PROFILE	230.00	230.00	110.10	110.10	8330N	NITROGLYCERIN	NO
G244DLA	MW-244	10/16/2002	PROFILE	230.00	230.00	110.10	110.10	8330N	PICRIC ACID	NO
G244DLA	MW-244	10/16/2002	PROFILE	230.00	230.00	110.10	110.10	OC21V	2-HEXANONE	
G244DLA	MW-244	10/16/2002	PROFILE	230.00	230.00	110.10	110.10	OC21V	ACETONE	
G244DLA	MW-244	10/16/2002	PROFILE	230.00	230.00	110.10	110.10	OC21V	CHLOROETHANE	
G244DLA	MW-244	10/16/2002	PROFILE	230.00	230.00	110.10	110.10	OC21V	CHLOROFORM	
G244DLA	MW-244	10/16/2002	PROFILE	230.00	230.00	110.10	110.10	OC21V	METHYL ETHYL KETONE (2-BUT	
G244DMA	MW-244	10/16/2002	PROFILE	240.00	240.00	120.10	120.10	8330N	NITROGLYCERIN	NO
G244DMA	MW-244	10/16/2002	PROFILE	240.00	240.00	120.10	120.10	OC21V	ACETONE	
G244DMA	MW-244	10/16/2002	PROFILE	240.00	240.00	120.10	120.10	OC21V	METHYL ETHYL KETONE (2-BUT	
G244DNA	MW-244	10/17/2002	PROFILE	250.00	250.00	130.10	130.10	OC21V	ACETONE	
G244DNA	MW-244	10/17/2002	PROFILE	250.00	250.00	130.10	130.10	OC21V	METHYL ETHYL KETONE (2-BUT	
G244DOA	MW-244	10/17/2002	PROFILE	260.00	260.00	140.10	140.10	OC21V	ACETONE	
G244DOA	MW-244	10/17/2002	PROFILE	260.00	260.00	140.10	140.10	OC21V	CHLOROMETHANE	
G244DOA	MW-244	10/17/2002	PROFILE	260.00	260.00	140.10	140.10	OC21V	METHYL ETHYL KETONE (2-BUT	
G244DPA	MW-244	10/17/2002	PROFILE	270.00	270.00	150.10	150.10	OC21V	ACETONE	
G244DPA	MW-244	10/17/2002	PROFILE	270.00	270.00	150.10	150.10	OC21V	METHYL ETHYL KETONE (2-BUT	
G244DQA	MW-244	10/17/2002	PROFILE	280.00	280.00	160.10	160.10	OC21V	ACETONE	

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 10/04/02 - 10/26/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G244DQA	MW-244	10/17/2002	PROFILE	280.00	280.00	160.10	160.10	OC21V	CHLOROFORM	
G244DRA	MW-244	10/17/2002	PROFILE	290.00	290.00	170.10	170.10	OC21V	CHLOROFORM	
G244DSA	MW-244	10/17/2002	PROFILE	300.00	300.00	180.10	180.10	OC21V	ACETONE	
G244DSA	MW-244	10/17/2002	PROFILE	300.00	300.00	180.10	180.10	OC21V	CHLOROFORM	
G244DSA	MW-244	10/17/2002	PROFILE	300.00	300.00	180.10	180.10	OC21V	METHYL ETHYL KETONE (2-BU	

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