

**WEEKLY PROGRESS UPDATE
FOR JUNE 17 – JUNE 21, 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 June 17 through June 21, 2002.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of June 21 is summarized in Table 1.

Table 1. Drilling progress as of June 21, 2002				
Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-219	Base Water Supply #4 (WS4P-1)	378	191	225-235; 315-325; 332-342; 357-367
MW-223	Central Impact Area (CIAP-25)	270	178	260-270; 211-221; 185-195
MW-225	Demo Area 1 (D1P-13)	297	199	
MW-226	Bourne Upgradient (BP-1)	120		
MW-227	J-3 Range (J3P-18)	250	197	
bgs = below ground surface bwt = below water table				

Completed well installation of MW-219 (WS4P-1) and MW-223 (CIAP-25), completed drilling of MW-225 (D1P-13) and MW-227 (J3P-18), and commenced drilling of MW-226 (BP-1). Continued well development for newly installed wells.

Samples collected during the reporting period are summarized in Table 2. Groundwater profile samples were collected from MW-225 and MW-227. Groundwater samples were collected from Bourne supply wells, and monitoring wells; from recently installed wells; and as part of the April Long Term Groundwater Monitoring round. Groundwater samples were also collected as part of the Central Impact Area Step Test. Surface water samples were collected from Snake Pond. Water samples were collected from the GAC treatment system. Soil samples were collected as part of the Central Impact Area perchlorate characterization.

The following are the notes from the June 20, 2002 Technical Team meeting at the IAGWSPO:

Participants

Ben Gregson (IAGWSPO)	MAJ Bill Myer (IAGWSPO)	Tina Dolen (IAGWSPO)
Karen Wilson (IAGWSPO)	Dave Hill (IAGWSPO)	Bill Gallagher (IAGWSPO)
LTC Bill FitzPatrick (MAARNG)	Todd Borci (EPA)	Desiree Moyer (EPA)
Len Pinaud (MADEP)	Mark Panni (MADEP)	Dave Williams (MDPH)
Darrell Deleppo (ACE)	Gina Tyo (ACE)	Ed Wise (ACE)
Heather Sullivan (ACE-phone)	Ellen Iorio (ACE)	Rob Foti (ACE)
Don Wood (ACE)	Marc Grant (AMEC)	Kim Harriz (AMEC)
Herb Colby (AMEC-phone)	Mark Applebee (AMEC)	John Rice (AMEC-phone)
Joanne Muzzin (AMEC-phone)	Maria Pologruto (AMEC)	Mike Goydas (Jacobs)
Larry Hudgins (Tetra Tech)	Leo Montroy (Tt-phone)	Susan Stewart (Tt-phone)

Punchlist Items

- #2 Provide date for USGS Snake Pond Letter Report (Guard). USGS is working on the report; no data has been determined. Report will summarize data that has already been disseminated. Item to be deleted from punchlist
- #3 Provide test results for chemical monitoring wells for WS-1, 2, 3 (JPO). JPO continues to work with MADEP and the Co-op on the draft results.
- #4 Provide ARA's results for perchlorate analysis (Corps). Results received. Evaluation/ comparison with Method 314 to be provided in two weeks.
- #5 Provide update on BOMARC solid rocket fuel (Corps). Nick Iaiennaro (Corps) is waiting on information from an identified source.
- #6 Provide access update on private Snake Pond property (Guard). Property owners will arrange meeting at their convenience.

Munitions Survey Project Update

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

AirMag. Conditional Approval of Workplan was received from EPA.

J Range Polygons. Ellen Iorio (ACE) proposed that the J-2 Polygons 1 & 2 investigations be discontinued in deference to completing an RRA/RAM in these areas. This action was being pursued as the result of sticks of M-7 being found in Polygon 2S and 2T. M-7 propellant sticks were used in LAW rockets; their appearance is analogous to "soda straws". Samples of mixed chunks of soil and propellant were analyzed; results show concentrations of perchlorate up to 16 ppm. Ellen Iorio (ACE) to confirm that all data received to date on Polygon 2T is forwarded to agencies – added as Punchlist item.

Scar Site – Grubbing, ongoing.

N Range – Mag and flag activities are being conducted, as well as a detailed reconnaissance of the 50 anomalies identified in the turtle habitat. Only some are large enough to consider for excavation. Investigation crew is coordinating with turtle trackers. Investigation of anomalies would likely trigger Sandwich notification process. Rob Foti (ACE) to check on whether cartridges found at range have booster charges.

Ox Pond – Agencies approved road clearing. No comment resolution meeting will be needed for Workplan.

Deep Bottom Pond, Gun and Mortar Positions MSP Workplans - Waiting on EPA comments on these plans. EPA is waiting on clarification prior to comment response to Gun and Mortar Workplan.

NBC Workplan – Corps requested clarification of comments received with conditional approval. Discussed as an after meeting.

ROA approval. Approval received for Deep Bottom Pond. ConsCom approval is needed for excavation within 100 ft of the ponds; this will delay work at least 30 days.

Central Impact Area Update

John Rice (AMEC) provided information on the status of the Central Impact Area investigation.

- The Pump Test will be concluded today at 3 pm.
- WS4P-1 (MW-219) well installation is being completed. Commenced drilling of BP-1.
- IAGWSPO may wait on perchlorate characterization prior to proposing new location for outstanding well CIAP-14.

Bourne Area Update

Bill Gallagher (IAGWSPO) provided an update on the Bourne area investigation.

- WS4P-1 (MW-219) well installation continued. Commenced drilling of BP-1.
- In the weekly meeting with the Guard/Corps, the Bourne Water District requested and the Guard agreed to complete extra sampling of Supply Well #6 during a pump test. If #6 is brought back on-line, the Guard also agreed to sample this well twice a week.
- Guard's request to discontinue sampling VOCs and explosives for Bourne wells that have three rounds of data will be sent to the BWD by next week.
- All soil sampling proposed for perchlorate characterization in the Central Impact Area and Gun and Mortar Workplans has been completed.
- Implementation of sampling for the Site-Wide Perchlorate Characterization in groundwater will begin shortly.
- Dr. Cannon (Penn State University) has agreed to share data from testing they are conducting with Bourne groundwater. The exact scope of their testing is not known. The BWD have invited Dr. Cannon for a meeting to discuss his results around the mid to end of July, at the IAGWSPO. Interested parties are invited to attend. Date to be set shortly.
- Weekly sampling results for 02-12, 02-13, and 1-88 were all non detect in the latest sampling round.

Snake Pond Update

Herb Colby (AMEC) led the discussion on recent perchlorate detections in the vicinity of Snake Pond. Tables showing perchlorate detections in Snake Pond area wells and drive points were distributed.

- The discussion was pursuant to recent perchlorate detections in 90SNP001 and 90SNP002 that are located near the Camp Good News beaches. There have been no corresponding detections in near-by surface water sampling locations.
- These detections will be included as part of the Investigations Update presentation at the June IART. Property owner to be notified by Tina Dolen (IAGWPSO) prior to public notice, even though the detections are unvalidated.
- Todd Borci (EPA) requested that validation of these samples be expedited. Perchlorate analysis of surface water samples will be placed on a 7 day turn-around-time.
- Dave Williams (MDPH) indicated that dermal contact for perchlorate was not a known route of exposure associated with health effects.
- Heather Sullivan (ACE) indicated that the Guard would like to propose separating the J-1, J-2, J-3, and L Ranges investigation results into four separate reports with a staggered submittal schedule, and adjust the proposed the investigatory schedule accordingly. The separation was proposed primarily due to the large volume of soil data generated for these ranges. The reports would not only incorporate the groundwater investigation work, but also the Munitions Survey polygon soil sampling.

- Todd Borci reasoned that it would likely be better for the Additional Delineation #2 field work results to be summarized in an inclusive report and then separate these ranges (J-1/J-3/L) into individual Operable Units. Of particular concern was separating the groundwater discussion, as the plumes (especially the L Range Plumes) may cross/have origins in multiple ranges. Mr. Borci requested that schedules for the J Ranges be developed for both tracks: one separating the Ranges with the next set of reports and one waiting for the separation after completion of the next report.

Water District Maps, ZOC Detections

Marc Grant led a discussion regarding the requirement to provide the Water Districts with notification of new detects in the ZOCs.

- A figure showing the Bourne Water District ZOCs was distributed at the meeting. These area supply wells are the only non-Co-op wells that have ZOCs which intersect base boundaries.
- Tina Dolen (IAGWSPO) indicated that the notification policy developed with the water districts stated that any new detect in a Zone II requires notification.
- Len Pinuad (MADEP) indicated that the Zone IIs would likely be inclusive of the entire base; which would result in more data than the Water Districts probably would find useful.
- Tech team agreed to have maps showing area Supply Well ZOCs and another set showing Zone IIs to discuss at the 6/27 PM/CI meeting. A follow-up meeting could be arranged to discuss reporting requirements with the area water superintendents.

Documents and Schedules

Marc Grant (AMEC) identified the following outstanding items that were a priority for the Guard to keep investigations on schedule.

- 1st Priority HUTA2 Site 1&5 Reports. Expecting comments shortly. Ellen Iorio (ACE) indicated that if the comments were not forthcoming shortly, the reporting schedule could be changed to roll all transects into a single report.
- 2nd Priorities MSP2 Reports (Demo 1, ASP, Former A and K, Slit Trench, BA-1). Expecting MOR approval.
- 3rd Priority J-1/J-3/L Ranges Additional Delineation Report. Expecting comments shortly.
- Munitions Management Plan with revised BIP Sampling Plan. Todd Borci indicated that most of the recent comments (6/13) on the BIP Sampling Plan were technical and EPA would like this to be responded to separately from the Munitions Management Plan so that it could be approved as an Addendum. Ellen Iorio indicated that Frank Fedele (ACE) would be leading the RCL preparation.

BIP Reports. Todd Borci indicated that comments would be forthcoming that dealt with the way the information was organized and reported, principally that the detections discussed in the text should be summarized more concisely. Comments on several reports should be sent shortly.

- Regarding Former A, K, and Demo 2, Bill Gallagher (IAGWSPO) indicated that the Guard would prefer to separate these three areas into separate Operable Units, and proceed with Demo 2 investigation work. This work would include additional well installation, soil sampling – the MSP would address the UXO component. Former A and K investigation work, which has a significant UXO component, would be delayed for the UXO Characterization Workplan. Todd Borci indicated that EPA would likely agree with the separation of the areas. However, a schedule for addressing Former A relative to the UXO Sampling Workplan would need further discussion.

Demo 1 Area Soil PSI

Mark Applebee (AMEC) led the discussion on the results/implications of the PSI completed for Demo 1. Figures and tables were distributed that summarized the results.

- In general, the results showed the following:
 - Explosives were detected in soil grids outside the 120 ft MSL contour.
 - Lead detections > RCS-1 concentrations in grids outside the 120 ft MSL contour.
 - Perchlorate was detected at a maximum 26.9 ppb, with haphazard distribution.
 - Dyes were detected in soil from outer grids.
 - Polychlorinated Naphthalene detections were minimal.
- Results indicate that additional characterization is needed outside the perimeter road to define contaminant extent. 15 proposed preliminary soil sampling locations outside the perimeter road were depicted in the last figure.
- As shown in the accompanying table, COCs at actionable levels in the area between 120 ft MSL contour and perimeter are detected to approximately 1 ft bgs. However, the soil COC list has not been finalized.
- In terms of the RRA, the Guard would like to continue with plans for soil removal to the 120 ft elevation contour at approximately 8 feet deep (to native soil) – approximately 10,000 cubic yards, as additional soil delineation proceeds.
- The Guard would like to stage additional soil removal under the RRA to include an additional 10,000 cubic yards, out to the perimeter road to about 1 feet deep.
- The next steps in the process would be to scope a RRA/RAM Workplan that would identify objectives: COCs and remediation levels. As the Workplan is being drafted the Guard will continue delineation, as proposed in a letter Workplan specifying analytes and locations. Data from this investigation would be used to determine if it was feasible to add additional soil removal as an addendum to the RRA scope. Additional soil removal would not be included in the original scope since without an estimated volume, it could not be determined if the additional removal would fit into budgetary constraints or if other technologies, not yet evaluated, would be a better solution.
- Todd Borci indicated that UXO (anomalies) would need to be addressed with the soil removal.
- Len Pinaud (MADEP) indicated that under the MCP, if all work was completed under a RAM, a soil report (Phase II submittal) and FS would not be needed. EPA would need to make a separate determination of the need for these documents.
- Heather Sullivan (ACE) to provide schedule for planned actions, including RRA/RAM Workplan, Additional Delineation Workplan, and incorporation of soil report. Schedule to be discussed at the end of July

Demo 1 Area Interim Action

Todd Borci (EPA) led the discussion of the selected Interim Action.

- Following careful consideration of IART Team member input, the Guard and EPA conferred and agreed that a combined Pump and Treat at the toe of the plume and cut off at Frank Perkins Road was the best option, conditional that a well(s) at Frank Perkins Road would be consistent with the ultimate remedy and not exacerbate the problem. Multiple wells may be required to achieve cut off at Frank Perkins. Delineation of the toe of the plume will be a priority.
- Len Pinaud (MADEP) indicated that this was acceptable to MADEP, since pumping at the toe was included as part of the action.
- The groundwater FS will focus on evaluating additional design components for this action; an additional solution may not be required.
- The next step will be to develop a schedule to implement both components, followed by a detailed Design Plan.
- The Guard and Corps are currently evaluating the schedule implications of conducting two interim actions versus one interim action.

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:

- Groundwater samples from 97-2C (Bourne) had a detection of perchlorate. Perchlorate has not been detected in this well since April 2002.
- Groundwater samples from MW-80M3 (Far Field) had a detection of perchlorate. This is the first time perchlorate has been detected in this well.
- Groundwater samples from MW-80M1 and duplicate, M2 (Far Field), 97-2, and 97-5 (Bourne) had detections of perchlorate. The results were similar to previous sampling rounds.
- Groundwater samples from MW-210M2 and duplicate, MW-211M2, (Demo Area 1), MW-213M2, M3 (Far Field) had detections of perchlorate. This is the first sampling event for these wells and the results were consistent with profile results.
- Groundwater samples from TW1-88A (Bourne) had a detection of toluene. The results are similar to previous sampling rounds.
- Groundwater samples from forty-one monitoring wells and duplicate samples had detections of chloroform.
- Influent samples from the Central Impact Area Step Test had detections of perchlorate.
- Groundwater profile samples from MW-225 (D1P-13) had detections of 1,3,5-trinitrobenzene (5 intervals), 1,3-dinitrobenzene (5 intervals), 2,4-DANT (5 intervals), 2,4-DNT (1 interval), 2,6-DNT (3 intervals), 2-nitrotoluene (6 intervals), 3-nitrotoluene (5 intervals), 4A-DNT (3 intervals), 4-nitrotoluene (7 intervals), RDX (5 intervals), nitroglycerin (11 intervals), and picric acid (9 intervals). Two detections of 2,6-DNT and one detection of RDX were confirmed by PDA spectra. One detection of 2,6-DNT was confirmed by PDA spectra, but with interference. Two detections of RDX were not confirmed by PDA spectra, but with interference.

- Groundwater profile samples from MW-227 (J3P-18) had detections of 1,3,5-trinitrobenzene (1 interval), 1,3-dinitrobenzene (2 intervals), 2,6-DNT (4 intervals), 2-nitrotoluene (2 intervals), 3-nitrotoluene (2 intervals), 4A-DNT (2 intervals), 4-nitrotoluene (1 interval), RDX (5 intervals), nitroglycerin (13 intervals), HMX (3 intervals), picric acid (4 intervals), acetone (19 intervals), chloroform (10 intervals), 2-butanone (11 intervals), perchlorate (2 intervals). Two detections of 2,6-DNT, 4 detections of RDX, and the detections of HMX were confirmed by PDA spectra. One detection of 2,6-DNT was confirmed by PDA spectra, but with interference. One detection of RDX was not confirmed by PDA spectra, but with interference.

3. DELIVERABLES SUBMITTED

There were no deliverables submitted the week ending June 21, 2002.

4. SCHEDULED ACTIONS

Scheduled actions for the week of June 24 include complete well installation of MW-225 (D1P-13) and MW-227 (J3P-18), complete drilling of MW-226 (BP-1) and commence drilling at MW-228 (J2P-15).

5. SUMMARY OF ACTIVITIES FOR DEMO 1

Additional delineation of the downgradient portion of the groundwater plume will be conducted prior to finalizing the Feasibility Study for the Groundwater Operable Unit. Options for Interim Actions to address the Groundwater Operable Unit continue to be evaluated.

TABLE 2
 SAMPLING PROGRESS
 06/14/2002 - 06/21/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
58MW0020AE	FIELDQC	06/18/2002	FIELDQC	0.00	0.00		
G225DHE	FIELDQC	06/17/2002	FIELDQC	0.00	0.00		
G225DRE	FIELDQC	06/19/2002	FIELDQC	0.00	0.00		
G227DHE	FIELDQC	06/17/2002	FIELDQC	0.00	0.00		
HC129E1AAE	FIELDQC	06/18/2002	FIELDQC	0.00	0.00		
HC190A1AAE	FIELDQC	06/17/2002	FIELDQC	0.00	0.00		
HD129C1CAE	FIELDQC	06/20/2002	FIELDQC	0.00	0.00		
M-4BAE	FIELDQC	06/15/2002	FIELDQC	0.00	0.00		
M-4BAT	FIELDQC	06/17/2002	FIELDQC	0.00	0.00		
TW01-01E	FIELDQC	06/15/2002	FIELDQC	0.00	0.00		
TW01-01E	FIELDQC	06/17/2002	FIELDQC	0.00	0.00		
W02-05M2E	FIELDQC	06/19/2002	FIELDQC	0.00	0.00		
W02-05M2T	FIELDQC	06/19/2002	FIELDQC	0.00	0.00		
W164M1T	FIELDQC	06/20/2002	FIELDQC	0.00	0.00		
W166M2T	FILEDQC	06/18/2002	FIELDQC	0.00	0.00		
4036000-01G	4036000-01G	06/19/2002	GROUNDWATER			6.00	12.00
4036000-03G	4036000-03G	06/19/2002	GROUNDWATER			6.00	12.00
4036000-04G	4036000-04G	06/19/2002	GROUNDWATER			6.00	12.00
4036000-06G	4036000-06G	06/19/2002	GROUNDWATER			6.00	12.00
58MW0018A	58MW0018A	06/17/2002	GROUNDWATER	202.70	211.70	60.85	69.85
58MW0018B	58MW0018B	06/17/2002	GROUNDWATER	175.90	185.58	34.55	44.55
58MW0018C	58MW0018C	06/17/2002	GROUNDWATER	149.20	159.60	8.56	18.56
58MW0020A	58MW0020A	06/17/2002	GROUNDWATER				88.00
58MW0020B	58MW0020B	06/18/2002	GROUNDWATER				43.00
97-2BA	97-2B	06/19/2002	GROUNDWATER		121.70		75.40
97-2CA	97-2C	06/19/2002	GROUNDWATER		132.00		68.00
ATEFF16	ATEFF16	06/18/2002	GROUNDWATER				
ATEFF2	ATEFF2	06/17/2002	GROUNDWATER				
ATEFF24	ATEFF24	06/18/2002	GROUNDWATER				
ATEFF32	ATEFF32	06/18/2002	GROUNDWATER				
ATEFF40	ATEFF40	06/19/2002	GROUNDWATER				
ATEFF48	ATEFF48	06/19/2002	GROUNDWATER				
ATEFF56	ATEFF56	06/19/2002	GROUNDWATER				
ATEFF64	ATEFF64	06/20/2002	GROUNDWATER				
ATEFF72	ATEFF72	06/20/2002	GROUNDWATER				
ATEFF8	ATEFF8	06/17/2002	GROUNDWATER				
ATL1EFFA16	ATL1EFFA16	06/18/2002	GROUNDWATER				
ATL1EFFA2	ATL1EFFA2	06/17/2002	GROUNDWATER				
ATL1EFFA24	ATL1EFFA24	06/18/2002	GROUNDWATER				
ATL1EFFA32	ATL1EFFA32	06/18/2002	GROUNDWATER				
ATL1EFFA40	ATL1EFFA40	06/19/2002	GROUNDWATER				
ATL1EFFA48	ATL1EFFA48	06/19/2002	GROUNDWATER				
ATL1EFFA56	ATL1EFFA56	06/19/2002	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

TABLE 2
 SAMPLING PROGRESS
 06/14/2002 - 06/21/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
ATL1EFFA64	ATL1EFFA64	06/20/2002	GROUNDWATER				
ATL1EFFA72	ATL1EFFA72	06/20/2002	GROUNDWATER				
ATL1EFFA8	ATL1EFFA8	06/17/2002	GROUNDWATER				
ATL1EFFB16	ATL1EFFB16	06/18/2002	GROUNDWATER				
ATL1EFFB2	ATL1EFFB2	06/17/2002	GROUNDWATER				
ATL1EFFB24	ATL1EFFB24	06/18/2002	GROUNDWATER				
ATL1EFFB32	ATL1EFFB32	06/18/2002	GROUNDWATER				
ATL1EFFB40	ATL1EFFB40	06/19/2002	GROUNDWATER				
ATL1EFFB48	ATL1EFFB48	06/19/2002	GROUNDWATER				
ATL1EFFB56	ATL1EFFB56	06/19/2002	GROUNDWATER				
ATL1EFFB64	ATL1EFFB64	06/20/2002	GROUNDWATER				
ATL1EFFB72	ATL1EFFB72	06/20/2002	GROUNDWATER				
ATL1EFFB8	ATL1EFFB8	06/17/2002	GROUNDWATER				
ATPW1INF0	ATPW1INF0	06/17/2002	GROUNDWATER				
ATPW1INF16	ATPW1INF16	06/18/2002	GROUNDWATER				
ATPW1INF24	ATPW1INF24	06/18/2002	GROUNDWATER				
ATPW1INF32	ATPW1INF32	06/18/2002	GROUNDWATER				
ATPW1INF32D	ATPW1INF32D	06/18/2002	GROUNDWATER				
ATPW1INF36	ATPW1INF36	06/19/2002	GROUNDWATER				
ATPW1INF40	ATPW1INF40	06/19/2002	GROUNDWATER				
ATPW1INF48	ATPW1INF48	06/19/2002	GROUNDWATER				
ATPW1INF56	ATPW1INF56	06/19/2002	GROUNDWATER				
ATPW1INF64	ATPW1INF64	06/20/2002	GROUNDWATER				
ATPW1INF72	ATPW1INF72	06/20/2002	GROUNDWATER				
ATPW1INF8	ATPW1INF8	06/17/2002	GROUNDWATER				
M-4BAA	M-4	06/15/2002	GROUNDWATER		69.00		8.20
M-4CAA	M-4	06/15/2002	GROUNDWATER		79.00		18.20
M-5BAA	M-5	06/17/2002	GROUNDWATER		65.00		7.20
M-5BAD	M-5	06/17/2002	GROUNDWATER		65.00		7.20
M-5CAA	M-5	06/17/2002	GROUNDWATER		75.00		17.20
M-5DAA	M-5	06/17/2002	GROUNDWATER		85.00		27.20
MW00-4A	00-4	06/15/2002	GROUNDWATER	64.00	70.00	38.00	44.00
TW00-5A	00-5	06/15/2002	GROUNDWATER	50.00	56.00	15.50	21.50
TW00-6A	00-6	06/15/2002	GROUNDWATER	36.00	42.00	9.60	6.60
TW00-7A	00-7	06/18/2002	GROUNDWATER	57.00	63.00	25.50	31.50
TW01-1A	01-1	06/18/2002	GROUNDWATER	62.00	67.00	55.21	60.21
TW01-2A	01-2	06/15/2002	GROUNDWATER	50.00	56.00	24.50	30.50
TW1-88AA	1-88	06/19/2002	GROUNDWATER		102.90		67.40
TW1-88BA	1-88	06/15/2002	GROUNDWATER		105.50		69.60
TW1-88BD	1-88	06/15/2002	GROUNDWATER		105.50		69.60
W02-05M1A	02-05	06/19/2002	GROUNDWATER	110.00	120.00	81.44	91.44
W02-05M2A	02-05	06/19/2002	GROUNDWATER	92.00	102.00	63.41	73.41
W02-05M3A	02-05	06/19/2002	GROUNDWATER	70.00	80.00	41.37	51.37
W02-05M3D	02-05	06/19/2002	GROUNDWATER	70.00	80.00	41.37	51.37

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

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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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 SAMPLING PROGRESS
 06/14/2002 - 06/21/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W02-12M1A	02-12	06/19/2002	GROUNDWATER	109.00	119.00	58.35	68.35
W02-12M1D	02-12	06/19/2002	GROUNDWATER	109.00	119.00	58.35	68.35
W02-12M2A	02-12	06/19/2002	GROUNDWATER	94.00	104.00	43.21	53.21
W02-12M3A	02-12	06/19/2002	GROUNDWATER	79.00	89.00	28.22	38.22
W02-13M1A	02-13	06/19/2002	GROUNDWATER	98.00	108.00	58.33	68.33
W02-13M2A	02-13	06/19/2002	GROUNDWATER	83.00	93.00	44.20	54.20
W02-13M3A	02-13	06/19/2002	GROUNDWATER	79.00	89.00	28.30	38.30
W114M1A	MW-114	06/21/2002	GROUNDWATER	177.00	187.00	96.00	106.00
W125M1A	MW-125	06/20/2002	GROUNDWATER		242.00	182.00	192.00
W125SSA	MW-125	06/20/2002	GROUNDWATER		60.00	0.00	10.00
W131M1A	MW-131	06/20/2002	GROUNDWATER		310.00	204.00	214.00
W131M1D	MW-131	06/20/2002	GROUNDWATER		310.00	204.00	214.00
W131M2A	MW-131	06/20/2002	GROUNDWATER		206.00	99.00	109.00
W136M1A	MW-136	06/20/2002	GROUNDWATER		134.00	17.00	27.00
W136SSA	MW-136	06/20/2002	GROUNDWATER		117.00	0.00	10.00
W154M1A	MW-154	06/18/2002	GROUNDWATER	187.50	192.50	91.00	96.00
W154SSA	MW-154	06/18/2002	GROUNDWATER	98.00	108.00	0.00	10.00
W158M1A	MW-158	06/18/2002	GROUNDWATER	176.50	186.50	89.00	99.00
W158M2A	MW-158	06/18/2002	GROUNDWATER	124.50	134.50	37.00	47.00
W158SSA	MW-158	06/18/2002	GROUNDWATER	89.00	99.00	2.00	12.00
W164M1A	MW-164	06/20/2002	GROUNDWATER		237.00	9.00	19.00
W164M2A	MW-164	06/20/2002	GROUNDWATER		167.00	119.00	129.00
W164M3A	MW-164	06/20/2002	GROUNDWATER		127.00	49.00	59.00
W164M3D	MW-164	06/20/2002	GROUNDWATER		127.00	49.00	59.00
W166M1A	MW-166	06/18/2002	GROUNDWATER	218.00	223.00	112.00	117.00
W166M2A	MW-166	06/18/2002	GROUNDWATER	150.00	160.00	44.00	54.00
W166M3A	MW-166	06/18/2002	GROUNDWATER	125.00	135.00	19.00	29.00
W168M1A	MW-168	06/20/2002	GROUNDWATER		266.00	174.00	184.00
W168M2A	MW-168	06/20/2002	GROUNDWATER		208.00	116.00	126.00
W168M3A	MW-168	06/21/2002	GROUNDWATER	103.00	113.00	21.00	31.00
W180M1A	MW-180	06/21/2002	GROUNDWATER	300.00	310.00	139.20	149.20
W180M2A	MW-180	06/21/2002	GROUNDWATER	195.00	205.00	34.50	44.50
W180M3A	MW-180	06/21/2002	GROUNDWATER	171.00	181.00	10.30	20.30
W183M1A	MW-183	06/21/2002	GROUNDWATER	286.00	296.00	103.90	113.90
W183M1D	MW-183	06/21/2002	GROUNDWATER	286.00	296.00	103.90	113.90
W183M2A	MW-183	06/21/2002	GROUNDWATER	270.00	280.00	87.90	97.90
W184M1A	MW-184	06/21/2002	GROUNDWATER	186.00	196.00	58.20	68.20
W184M2A	MW-184	06/21/2002	GROUNDWATER	126.00	136.00	0.00	10.00
W184M2D	MW-184	06/21/2002	GROUNDWATER	126.00	136.00	0.00	10.00
W185M1A	MW-185	06/20/2002	GROUNDWATER		257.00	110.90	120.90
W185M1A	MW-185	06/20/2002	GROUNDWATER		257.00	110.90	120.90
W185M2A	MW-185	06/20/2002	GROUNDWATER		166.00	19.50	29.50
W214M1A	MW-214	06/21/2002	GROUNDWATER	198.00	208.00	111.40	121.40
W214M2A	MW-214	06/21/2002	GROUNDWATER	165.00	175.00	78.45	88.45

Profiling methods include: Volatiles, Explosives and Perchlorate

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TABLE 2
 SAMPLING PROGRESS
 06/14/2002 - 06/21/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W214M3A	MW-214	06/21/2002	GROUNDWATER	140.00	150.00	53.45	65.45
W89M2A	MW-89	06/17/2002	GROUNDWATER	214.00	224.00	72.00	82.00
W89M3A	MW-89	06/17/2002	GROUNDWATER	174.00	184.00	32.00	42.00
DW061702A	GAC WATER	06/17/2002	IDW				
DW061702B	GAC WATER	06/17/2002	IDW				
DW061902	GAC WATER	06/19/2002	IDW				
DW061902	GAC WATER	06/20/2002	IDW				
G225DFA	MW-225	06/17/2002	PROFILE	150.00	150.00	51.80	51.80
G225DFD	MW-225	06/17/2002	PROFILE	150.00	150.00	51.80	51.80
G225DHA	MW-225	06/17/2002	PROFILE	170.00	170.00	71.80	71.80
G225DIA	MW-225	06/17/2002	PROFILE	180.00	180.00	81.80	81.80
G225DJA	MW-225	06/17/2002	PROFILE	190.00	190.00	91.80	91.80
G225DJA	MW-225	06/18/2002	PROFILE	190.00	190.00	91.80	91.80
G225DKA	MW-225	06/18/2002	PROFILE	200.00	200.00	101.80	101.80
G225DLA	MW-225	06/18/2002	PROFILE	210.00	210.00	111.80	111.80
G225DMA	MW-225	06/18/2002	PROFILE	220.00	220.00	121.80	121.80
G225DNA	MW-225	06/18/2002	PROFILE	230.00	230.00	131.80	131.80
G225DOA	MW-225	06/18/2002	PROFILE	240.00	240.00	141.80	141.80
G225DPA	MW-225	06/18/2002	PROFILE	250.00	250.00	151.80	151.80
G225DQA	MW-225	06/18/2002	PROFILE	260.00	260.00	161.80	161.80
G225DRA	MW-225	06/19/2002	PROFILE	270.00	270.00	171.80	171.80
G225DRD	MW-225	06/19/2002	PROFILE	270.00	270.00	171.80	171.80
G225DSA	MW-225	06/19/2002	PROFILE	280.00	280.00	181.80	181.80
G225DTA	MW-225	06/19/2002	PROFILE	290.00	290.00	191.80	191.80
G225DUA	MW-225	06/19/2002	PROFILE	297.00	297.00	198.80	198.80
G227DCA	MW-227	06/17/2002	PROFILE	80.00	80.00	27.20	27.20
G227DDA	MW-227	06/17/2002	PROFILE	90.00	90.00	37.20	37.20
G227DEA	MW-227	06/17/2002	PROFILE	100.00	100.00	47.20	47.20
G227DFA	MW-227	06/17/2002	PROFILE	110.00	110.00	57.20	57.20
G227DFD	MW-227	06/17/2002	PROFILE	110.00	110.00	57.20	57.20
G227DGA	MW-227	06/17/2002	PROFILE	120.00	120.00	67.20	67.20
G227DHA	MW-227	06/17/2002	PROFILE	130.00	130.00	77.20	77.20
G227DIA	MW-227	06/18/2002	PROFILE	140.00	140.00	87.20	87.20
G227DJA	MW-227	06/18/2002	PROFILE	150.00	150.00	97.20	97.20
G227DKA	MW-227	06/18/2002	PROFILE	160.00	160.00	107.20	107.20
G227DLA	MW-227	06/18/2002	PROFILE	170.00	170.00	117.20	117.20
G227DMA	MW-227	06/18/2002	PROFILE	180.00	180.00	127.20	127.20
G227DNA	MW-227	06/18/2002	PROFILE	190.00	190.00	137.20	137.20
G227DOA	MW-227	06/19/2002	PROFILE	200.00	200.00	147.20	147.20
G227DPA	MW-227	06/19/2002	PROFILE	210.00	210.00	157.20	157.20
G227DQA	MW-227	06/19/2002	PROFILE	220.00	220.00	167.20	167.20
G227DRA	MW-227	06/19/2002	PROFILE	230.00	230.00	177.20	177.20
G227DSA	MW-227	06/19/2002	PROFILE	240.00	240.00	187.20	187.20
G227DSD	MW-227	06/19/2002	PROFILE	240.00	240.00	187.20	187.20

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TABLE 2
 SAMPLING PROGRESS
 06/14/2002 - 06/21/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G227DTA	MW-227	06/19/2002	PROFILE	250.00	250.00	197.20	197.20
HC129C1AAA	129C	06/18/2002	SOIL GRID	0.00	0.25		
HC129C1BAA	129C	06/18/2002	SOIL GRID	0.25	0.50		
HC129C1CAA	129C	06/18/2002	SOIL GRID	0.50	1.00		
HC129D1AAA	129D	06/18/2002	SOIL GRID	0.00	0.25		
HC129D1BAA	129D	06/18/2002	SOIL GRID	0.25	0.50		
HC129D1CAA	129D	06/18/2002	SOIL GRID	0.50	1.00		
HC190A1AAA	190A	06/17/2002	SOIL GRID	0.00	0.50		
HC190B1AAA	190B	06/17/2002	SOIL GRID	0.00	0.50		
HC190C1AAA	190C	06/17/2002	SOIL GRID	0.00	0.50		
HC191A1AAA	191A	06/17/2002	SOIL GRID	0.00	0.50		
HC191B1AAA	191A	06/17/2002	SOIL GRID	0.00	0.50		
HC191C1AAA	191A	06/17/2002	SOIL GRID	0.00	0.50		
HC192A1AAA	192A	06/18/2002	SOIL GRID	0.00	0.50		
HC192B1AAA	192B	06/18/2002	SOIL GRID	0.00	0.50		
HC192B1AAD	192B	06/18/2002	SOIL GRID	0.00	0.50		
HC192C1AAA	192C	06/18/2002	SOIL GRID	0.00	0.50		
HC193A1AAA	193A	06/18/2002	SOIL GRID	0.00	0.50		
HC193B1AAA	193B	06/18/2002	SOIL GRID	0.00	0.50		
HC193C1AAA	193C	06/18/2002	SOIL GRID	0.00	0.50		
HC195A1AAA	195A	06/18/2002	SOIL GRID	0.00	0.50		
HC195B1AAA	195B	06/18/2002	SOIL GRID	0.00	0.50		
HC195C1AAA	195C	06/18/2002	SOIL GRID	0.00	0.50		
HD129C1AAA	129C	06/20/2002	SOIL GRID	0.00	0.25		
HD129C1BAA	129C	06/20/2002	SOIL GRID	0.25	0.50		
HD129C1CAA	129C	06/20/2002	SOIL GRID	0.50	1.00		
HD129D1AAA	129D	06/20/2002	SOIL GRID	0.00	0.25		
HD129D1BAA	129D	06/20/2002	SOIL GRID	0.25	0.50		
HD129D1CAA	129D	06/20/2002	SOIL GRID	0.50	1.00		
HD129D1CAD	129D	06/20/2002	SOIL GRID	0.50	1.00		
LKSNK0005AAA	LKSNK0005	06/17/2002	SURFACE WATER				
LKSNK0005AAD	LKSNK0005	06/17/2002	SURFACE WATER				
LKSNK0007AAA	LKSNK0007	06/17/2002	SURFACE WATER				

Profiling methods include: Volatiles, Explosives and Perchlorate

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 06/01/02 - 06/21/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
97-2	97-2	06/08/2002	GROUNDWATER	75.00	85.00	53.00	63.00	E314.0	PERCHLORATE	
97-2BA	97-2B	06/19/2002	GROUNDWATER		121.70		75.40	OC21V	CHLOROFORM	
97-2CA	97-2C	06/19/2002	GROUNDWATER		132.00		68.00	OC21V	CHLOROFORM	
97-2CD	97-2C	06/11/2002	GROUNDWATER		132.00		68.00	E314.0	PERCHLORATE	
97-2DA	97-2D	06/13/2002	GROUNDWATER		115.40		82.90	OC21V	CHLOROFORM	
97-2EA	97-2E	06/13/2002	GROUNDWATER		94.50		49.80	OC21V	CHLOROFORM	
97-5	97-5	06/08/2002	GROUNDWATER	84.00	94.00	76.00	86.00	E314.0	PERCHLORATE	
M-1BAA	M-1	06/14/2002	GROUNDWATER		45.00		10.00	OC21V	CHLOROFORM	
M-1CAA	M-1	06/14/2002	GROUNDWATER		55.00		10.00	OC21V	CHLOROFORM	
M-1DAA	M-1	06/14/2002	GROUNDWATER		65.00		10.00	OC21V	CHLOROFORM	
M-2BAA	M-2	06/14/2002	GROUNDWATER		65.00		1.50	OC21V	CHLOROFORM	
M-2CAA	M-2	06/14/2002	GROUNDWATER		75.00		1.50	OC21V	CHLOROFORM	
M-2DAA	M-2	06/13/2002	GROUNDWATER		85.00		21.50	OC21V	CHLOROFORM	
M-4BAA	M-4	06/15/2002	GROUNDWATER		69.00		8.20	OC21V	CHLOROFORM	
M-4CAA	M-4	06/15/2002	GROUNDWATER		79.00		18.20	OC21V	CHLOROFORM	
M-4DAA	M-4	06/14/2002	GROUNDWATER		89.00		28.20	OC21V	CHLOROFORM	
M-5BAA	M-5	06/17/2002	GROUNDWATER		65.00		7.20	OC21V	CHLOROFORM	
M-5BAD	M-5	06/17/2002	GROUNDWATER		65.00		7.20	OC21V	CHLOROFORM	
M-5CAA	M-5	06/17/2002	GROUNDWATER		75.00		17.20	OC21V	CHLOROFORM	
M-5DAA	M-5	06/17/2002	GROUNDWATER		85.00		27.20	OC21V	CHLOROFORM	
M-6BAA	M-6	06/14/2002	GROUNDWATER		59.00		31.70	OC21V	CHLOROFORM	
M-6CAA	M-6	06/14/2002	GROUNDWATER		69.00		31.70	OC21V	CHLOROFORM	
M-6DAA	M-6	06/14/2002	GROUNDWATER		79.00		31.70	OC21V	CHLOROFORM	
MW00-4A	00-4	06/15/2002	GROUNDWATER	64.00	70.00	38.00	44.00	OC21V	CHLOROFORM	
TW00-5A	00-5	06/15/2002	GROUNDWATER	50.00	56.00	15.50	21.50	OC21V	CHLOROFORM	
TW00-6A	00-6	06/15/2002	GROUNDWATER	36.00	42.00	9.60	6.60	OC21V	CHLOROFORM	
TW00-7A	00-7	06/18/2002	GROUNDWATER	57.00	63.00	25.50	31.50	OC21V	CHLOROFORM	
TW01-1A	01-1	06/18/2002	GROUNDWATER	62.00	67.00	55.21	60.21	OC21V	CHLOROFORM	
TW01-2A	01-2	06/15/2002	GROUNDWATER	50.00	56.00	24.50	30.50	OC21V	CHLOROFORM	
TW1-88AA	1-88	06/13/2002	GROUNDWATER				67.40	OC21V	CHLOROFORM	
TW1-88AA	1-88	06/19/2002	GROUNDWATER		102.90		67.40	OC21V	CHLOROFORM	

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

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 06/01/02 - 06/21/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
TW1-88AA	1-88	06/19/2002	GROUNDWATER		102.90		67.40	OC21V	TOLUENE	
TW1-88AD	1-88	06/13/2002	GROUNDWATER				67.40	OC21V	CHLOROFORM	
TW1-88BA	1-88	06/15/2002	GROUNDWATER				69.60	OC21V	CHLOROFORM	
W02-05M1A	02-05	06/19/2002	GROUNDWATER	110.00	120.00	81.44	91.44	OC21V	CHLOROFORM	
W02-05M2A	02-05	06/19/2002	GROUNDWATER	92.00	102.00	63.41	73.41	OC21V	CHLOROFORM	
W02-05M3A	02-05	06/19/2002	GROUNDWATER	70.00	80.00	63.41	73.41	OC21V	CHLOROFORM	
W02-05M3D	02-05	06/19/2002	GROUNDWATER	70.00	80.00	63.41	73.41	OC21V	CHLOROFORM	
W02-12M1A	02-12	06/19/2002	GROUNDWATER	109.00	119.00	58.35	68.35	OC21V	CHLOROFORM	
W02-12M1D	02-12	06/19/2002	GROUNDWATER	109.00	119.00	58.35	68.35	OC21V	CHLOROFORM	
W02-12M2A	02-12	06/19/2002	GROUNDWATER	94.00	104.00	43.21	53.21	OC21V	CHLOROFORM	
W02-12M3A	02-12	06/19/2002	GROUNDWATER	79.00	89.00	28.22	38.22	OC21V	CHLOROFORM	
W02-13M1A	02-13	06/19/2002	GROUNDWATER	109.00	119.00	58.33	68.33	OC21V	CHLOROFORM	
W02-13M2A	02-13	06/19/2002	GROUNDWATER	94.00	104.00	44.20	54.20	OC21V	CHLOROFORM	
W02-13M3A	02-13	06/19/2002	GROUNDWATER	79.00	89.00	28.30	38.30	OC21V	CHLOROFORM	
W210M2A	MW-210	06/06/2002	GROUNDWATER	155.00	166.00	54.69	64.69	E314.0	PERCHLORATE	
W210M2D	MW-210	06/06/2002	GROUNDWATER	155.00	166.00	54.69	64.69	E314.0	PERCHLORATE	
W211M2A	MW-211	06/06/2002	GROUNDWATER	175.00	185.00	29.70	39.70	E314.0	PERCHLORATE	
W213M2A	MW-213	06/08/2002	GROUNDWATER	89.00	99.00	41.15	51.15	E314.0	PERCHLORATE	
W213M3A	MW-213	06/08/2002	GROUNDWATER	77.00	82.00	98.60	108.60	E314.0	PERCHLORATE	
W80M1A	MW-80	06/08/2002	GROUNDWATER	130.00	140.00	86.00	96.00	E314.0	PERCHLORATE	
W80M1D	MW-80	06/08/2002	GROUNDWATER	130.00	140.00	86.00	96.00	E314.0	PERCHLORATE	
W80M2A	MW-80	06/08/2002	GROUNDWATER	100.00	110.00	56.00	66.00	E314.0	PERCHLORATE	
W80M3A	MW-80	06/09/2002	GROUNDWATER	70.00	80.00	26.00	36.00	E314.0	PERCHLORATE	
G225DBA	MW-225	06/13/2002	PROFILE	110.00	110.00	11.80	11.80	8330N	2-NITROTOLUENE	NO
G225DBA	MW-225	06/13/2002	PROFILE	110.00	110.00	11.80	11.80	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G225DBA	MW-225	06/13/2002	PROFILE	110.00	110.00	11.80	11.80	8330N	4-NITROTOLUENE	NO
G225DBA	MW-225	06/13/2002	PROFILE	110.00	110.00	11.80	11.80	8330N	NITROGLYCERIN	NO
G225DBA	MW-225	06/13/2002	PROFILE	110.00	110.00	11.80	11.80	8330N	PICRIC ACID	NO
G225DDA	MW-225	06/13/2002	PROFILE	130.00	130.00	31.80	31.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
G225DEA	MW-225	06/13/2002	PROFILE	140.00	140.00	41.80	41.80	8330N	PICRIC ACID	NO
G225DFA	MW-225	06/17/2002	PROFILE	150.00	150.00	51.80	51.80	8330N	2-NITROTOLUENE	NO

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G225DFA	MW-225	06/17/2002	PROFILE	150.00	150.00	51.80	51.80	8330N	NITROGLYCERIN	NO
G225DFD	MW-225	06/17/2002	PROFILE	150.00	150.00	51.80	51.80	8330N	NITROGLYCERIN	NO
G225DHA	MW-225	06/17/2002	PROFILE	170.00	170.00	71.80	71.80	8330N	1,3,5-TRINITROBENZENE	NO
G225DHA	MW-225	06/17/2002	PROFILE	170.00	170.00	71.80	71.80	8330N	1,3-DINITROBENZENE	NO
G225DHA	MW-225	06/17/2002	PROFILE	170.00	170.00	71.80	71.80	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G225DHA	MW-225	06/17/2002	PROFILE	170.00	170.00	71.80	71.80	8330N	2-NITROTOLUENE	NO
G225DHA	MW-225	06/17/2002	PROFILE	170.00	170.00	71.80	71.80	8330N	3-NITROTOLUENE	NO
G225DHA	MW-225	06/17/2002	PROFILE	170.00	170.00	71.80	71.80	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G225DHA	MW-225	06/17/2002	PROFILE	170.00	170.00	71.80	71.80	8330N	4-NITROTOLUENE	NO
G225DHA	MW-225	06/17/2002	PROFILE	170.00	170.00	71.80	71.80	8330N	NITROGLYCERIN	NO
G225DHA	MW-225	06/17/2002	PROFILE	170.00	170.00	71.80	71.80	8330N	PICRIC ACID	NO
G225DIA	MW-225	06/17/2002	PROFILE	180.00	180.00	81.80	81.80	8330N	1,3,5-TRINITROBENZENE	NO
G225DIA	MW-225	06/17/2002	PROFILE	180.00	180.00	81.80	81.80	8330N	1,3-DINITROBENZENE	NO
G225DIA	MW-225	06/17/2002	PROFILE	180.00	180.00	81.80	81.80	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G225DIA	MW-225	06/17/2002	PROFILE	180.00	180.00	81.80	81.80	8330N	2-NITROTOLUENE	NO
G225DIA	MW-225	06/17/2002	PROFILE	180.00	180.00	81.80	81.80	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G225DIA	MW-225	06/17/2002	PROFILE	180.00	180.00	81.80	81.80	8330N	4-NITROTOLUENE	NO
G225DIA	MW-225	06/17/2002	PROFILE	180.00	180.00	81.80	81.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5	NO
G225DIA	MW-225	06/17/2002	PROFILE	180.00	180.00	81.80	81.80	8330N	NITROGLYCERIN	NO
G225DIA	MW-225	06/17/2002	PROFILE	180.00	180.00	81.80	81.80	8330N	PICRIC ACID	NO
G225DJA	MW-225	06/18/2002	PROFILE	190.00	190.00	91.80	91.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5	
G225DJA	MW-225	06/18/2002	PROFILE	190.00	190.00	91.80	91.80	8330N	PICRIC ACID	NO
G225DNA	MW-225	06/18/2002	PROFILE	230.00	230.00	131.80	131.80	8330N	1,3,5-TRINITROBENZENE	NO
G225DNA	MW-225	06/18/2002	PROFILE	230.00	230.00	131.80	131.80	8330N	1,3-DINITROBENZENE	NO
G225DNA	MW-225	06/18/2002	PROFILE	230.00	230.00	131.80	131.80	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G225DNA	MW-225	06/18/2002	PROFILE	230.00	230.00	131.80	131.80	8330N	2,6-DINITROTOLUENE	YES
G225DNA	MW-225	06/18/2002	PROFILE	230.00	230.00	131.80	131.80	8330N	3-NITROTOLUENE	NO
G225DNA	MW-225	06/18/2002	PROFILE	230.00	230.00	131.80	131.80	8330N	4-NITROTOLUENE	NO
G225DNA	MW-225	06/18/2002	PROFILE	230.00	230.00	131.80	131.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5	NO*
G225DNA	MW-225	06/18/2002	PROFILE	230.00	230.00	131.80	131.80	8330N	NITROGLYCERIN	NO
G225DNA	MW-225	06/18/2002	PROFILE	230.00	230.00	131.80	131.80	8330N	PICRIC ACID	NO

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TABLE 3
 DETECTED COMPOUNDS-UNVALIDATED
 SAMPLES COLLECTED 06/01/02 - 06/21/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G225DOA	MW-225	06/18/2002	PROFILE	240.00	240.00	141.80	141.80	8330N	NITROGLYCERIN	NO
G225DPA	MW-225	06/18/2002	PROFILE	250.00	250.00	151.80	151.80	8330N	NITROGLYCERIN	NO
G225DPA	MW-225	06/18/2002	PROFILE	250.00	250.00	151.80	151.80	8330N	PICRIC ACID	NO
G225DQA	MW-225	06/18/2002	PROFILE	260.00	260.00	161.80	161.80	8330N	1,3,5-TRINITROBENZENE	NO
G225DQA	MW-225	06/18/2002	PROFILE	260.00	260.00	161.80	161.80	8330N	1,3-DINITROBENZENE	NO
G225DQA	MW-225	06/18/2002	PROFILE	260.00	260.00	161.80	161.80	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G225DQA	MW-225	06/18/2002	PROFILE	260.00	260.00	161.80	161.80	8330N	2,6-DINITROTOLUENE	YES
G225DQA	MW-225	06/18/2002	PROFILE	260.00	260.00	161.80	161.80	8330N	2-NITROTOLUENE	NO
G225DQA	MW-225	06/18/2002	PROFILE	260.00	260.00	161.80	161.80	8330N	3-NITROTOLUENE	NO
G225DQA	MW-225	06/18/2002	PROFILE	260.00	260.00	161.80	161.80	8330N	4-NITROTOLUENE	NO
G225DQA	MW-225	06/18/2002	PROFILE	260.00	260.00	161.80	161.80	8330N	NITROGLYCERIN	NO
G225DQA	MW-225	06/18/2002	PROFILE	260.00	260.00	161.80	161.80	8330N	PICRIC ACID	NO
G225DRA	MW-225	06/19/2002	PROFILE	270.00	270.00	171.80	171.80	8330N	4-NITROTOLUENE	NO
G225DRA	MW-225	06/19/2002	PROFILE	270.00	270.00	171.80	171.80	8330N	NITROGLYCERIN	NO
G225DRD	MW-225	06/19/2002	PROFILE	270.00	270.00	171.80	171.80	8330N	3-NITROTOLUENE	NO
G225DRD	MW-225	06/19/2002	PROFILE	270.00	270.00	171.80	171.80	8330N	NITROGLYCERIN	NO
G225DSA	MW-225	06/19/2002	PROFILE	280.00	280.00	181.80	181.80	8330N	NITROGLYCERIN	NO
G225DTA	MW-225	06/19/2002	PROFILE	290.00	290.00	191.80	191.80	8330N	1,3,5-TRINITROBENZENE	NO
G225DTA	MW-225	06/19/2002	PROFILE	290.00	290.00	191.80	191.80	8330N	1,3-DINITROBENZENE	NO
G225DTA	MW-225	06/19/2002	PROFILE	290.00	290.00	191.80	191.80	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G225DTA	MW-225	06/19/2002	PROFILE	290.00	290.00	191.80	191.80	8330N	2,4-DINITROTOLUENE	NO
G225DTA	MW-225	06/19/2002	PROFILE	290.00	290.00	191.80	191.80	8330N	2,6-DINITROTOLUENE	YES*
G225DTA	MW-225	06/19/2002	PROFILE	290.00	290.00	191.80	191.80	8330N	2-NITROTOLUENE	NO
G225DTA	MW-225	06/19/2002	PROFILE	290.00	290.00	191.80	191.80	8330N	3-NITROTOLUENE	NO
G225DTA	MW-225	06/19/2002	PROFILE	290.00	290.00	191.80	191.80	8330N	4-NITROTOLUENE	NO
G225DTA	MW-225	06/19/2002	PROFILE	290.00	290.00	191.80	191.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO*
G225DTA	MW-225	06/19/2002	PROFILE	290.00	290.00	191.80	191.80	8330N	NITROGLYCERIN	NO
G225DTA	MW-225	06/19/2002	PROFILE	290.00	290.00	191.80	191.80	8330N	PICRIC ACID	NO
G227DAA	MW-227	06/14/2002	PROFILE	60.00	60.00	7.20	7.20	8330N	1,3,5-TRINITROBENZENE	NO
G227DAA	MW-227	06/14/2002	PROFILE	60.00	60.00	7.20	7.20	8330N	1,3-DINITROBENZENE	NO
G227DAA	MW-227	06/14/2002	PROFILE	60.00	60.00	7.20	7.20	8330N	2,6-DINITROTOLUENE	NO

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SAMPLES COLLECTED 06/01/02 - 06/21/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G227DAA	MW-227	06/14/2002	PROFILE	60.00	60.00	7.20	7.20	8330N	2-NITROTOLUENE	NO
G227DAA	MW-227	06/14/2002	PROFILE	60.00	60.00	7.20	7.20	8330N	4-NITROTOLUENE	NO
G227DAA	MW-227	06/14/2002	PROFILE	60.00	60.00	7.20	7.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5	NO*
G227DAA	MW-227	06/14/2002	PROFILE	60.00	60.00	7.20	7.20	8330N	NITROGLYCERIN	NO
G227DAA	MW-227	06/14/2002	PROFILE	60.00	60.00	7.20	7.20	8330N	PICRIC ACID	NO
G227DAA	MW-227	06/14/2002	PROFILE	60.00	60.00	7.20	7.20	OC21V	ACETONE	
G227DAA	MW-227	06/14/2002	PROFILE	60.00	60.00	7.20	7.20	OC21V	CHLOROFORM	
G227DAA	MW-227	06/14/2002	PROFILE	60.00	60.00	7.20	7.20	OC21V	METHYL ETHYL KETONE (2-BUT	
G227DBA	MW-227	06/14/2002	PROFILE	70.00	70.00	17.20	17.20	8330N	2,6-DINITROTOLUENE	YES*
G227DBA	MW-227	06/14/2002	PROFILE	70.00	70.00	17.20	17.20	8330N	2-NITROTOLUENE	NO
G227DBA	MW-227	06/14/2002	PROFILE	70.00	70.00	17.20	17.20	8330N	NITROGLYCERIN	NO
G227DBA	MW-227	06/14/2002	PROFILE	70.00	70.00	17.20	17.20	8330N	PICRIC ACID	NO
G227DBA	MW-227	06/14/2002	PROFILE	70.00	70.00	17.20	17.20	OC21V	ACETONE	
G227DBA	MW-227	06/14/2002	PROFILE	70.00	70.00	17.20	17.20	OC21V	CHLOROFORM	
G227DBA	MW-227	06/14/2002	PROFILE	70.00	70.00	17.20	17.20	OC21V	METHYL ETHYL KETONE (2-BUT	
G227DCA	MW-227	06/17/2002	PROFILE	80.00	80.00	27.20	27.20	8330N	NITROGLYCERIN	NO
G227DCA	MW-227	06/17/2002	PROFILE	80.00	80.00	27.20	27.20	OC21V	ACETONE	
G227DCA	MW-227	06/17/2002	PROFILE	80.00	80.00	27.20	27.20	OC21V	CHLOROFORM	
G227DCA	MW-227	06/17/2002	PROFILE	80.00	80.00	27.20	27.20	OC21V	METHYL ETHYL KETONE (2-BUT	
G227DDA	MW-227	06/17/2002	PROFILE	90.00	90.00	37.20	37.20	8330N	NITROGLYCERIN	NO
G227DDA	MW-227	06/17/2002	PROFILE	90.00	90.00	37.20	37.20	OC21V	ACETONE	
G227DDA	MW-227	06/17/2002	PROFILE	90.00	90.00	37.20	37.20	OC21V	CHLOROFORM	
G227DDA	MW-227	06/17/2002	PROFILE	90.00	90.00	37.20	37.20	OC21V	METHYL ETHYL KETONE (2-BUT	
G227DEA	MW-227	06/17/2002	PROFILE	100.00	100.00	47.20	47.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5	YES
G227DEA	MW-227	06/17/2002	PROFILE	100.00	100.00	47.20	47.20	8330N	NITROGLYCERIN	NO
G227DEA	MW-227	06/17/2002	PROFILE	100.00	100.00	47.20	47.20	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO	YES
G227DEA	MW-227	06/17/2002	PROFILE	100.00	100.00	47.20	47.20	OC21V	ACETONE	
G227DEA	MW-227	06/17/2002	PROFILE	100.00	100.00	47.20	47.20	OC21V	CHLOROFORM	
G227DEA	MW-227	06/17/2002	PROFILE	100.00	100.00	47.20	47.20	OC21V	METHYL ETHYL KETONE (2-BUT	
G227DFA	MW-227	06/17/2002	PROFILE	110.00	110.00	57.20	57.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5	YES
G227DFA	MW-227	06/17/2002	PROFILE	110.00	110.00	57.20	57.20	8330N	NITROGLYCERIN	NO

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SAMPLES COLLECTED 06/01/02 - 06/21/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G227DFA	MW-227	06/17/2002	PROFILE	110.00	110.00	57.20	57.20	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5	YES
G227DFD	MW-227	06/17/2002	PROFILE	110.00	110.00	57.20	57.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5	YES
G227DFD	MW-227	06/17/2002	PROFILE	110.00	110.00	57.20	57.20	8330N	NITROGLYCERIN	NO
G227DFD	MW-227	06/17/2002	PROFILE	110.00	110.00	57.20	57.20	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5	YES
G227DFD	MW-227	06/17/2002	PROFILE	110.00	110.00	57.20	57.20	OC21V	ACETONE	
G227DFD	MW-227	06/17/2002	PROFILE	110.00	110.00	57.20	57.20	OC21V	CHLOROFORM	
G227DFD	MW-227	06/17/2002	PROFILE	110.00	110.00	57.20	57.20	OC21V	METHYL ETHYL KETONE (2-BUT	
G227DGA	MW-227	06/17/2002	PROFILE	120.00	120.00	67.20	67.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5	YES
G227DGA	MW-227	06/17/2002	PROFILE	120.00	120.00	67.20	67.20	8330N	NITROGLYCERIN	NO
G227DGA	MW-227	06/17/2002	PROFILE	120.00	120.00	67.20	67.20	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5	YES
G227DGA	MW-227	06/17/2002	PROFILE	120.00	120.00	67.20	67.20	E314.0	PERCHLORATE	
G227DGA	MW-227	06/17/2002	PROFILE	120.00	120.00	67.20	67.20	OC21V	ACETONE	
G227DGA	MW-227	06/17/2002	PROFILE	120.00	120.00	67.20	67.20	OC21V	CHLOROFORM	
G227DGA	MW-227	06/17/2002	PROFILE	120.00	120.00	67.20	67.20	OC21V	METHYL ETHYL KETONE (2-BUT	
G227DHA	MW-227	06/17/2002	PROFILE	130.00	130.00	77.20	77.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5	YES
G227DHA	MW-227	06/17/2002	PROFILE	130.00	130.00	77.20	77.20	E314.0	PERCHLORATE	
G227DHA	MW-227	06/17/2002	PROFILE	130.00	130.00	77.20	77.20	OC21V	ACETONE	
G227DHA	MW-227	06/17/2002	PROFILE	130.00	130.00	77.20	77.20	OC21V	CHLOROFORM	
G227DIA	MW-227	06/18/2002	PROFILE	140.00	140.00	87.20	87.20	8330N	1,3-DINITROBENZENE	NO
G227DIA	MW-227	06/18/2002	PROFILE	140.00	140.00	87.20	87.20	8330N	2,6-DINITROTOLUENE	YES
G227DIA	MW-227	06/18/2002	PROFILE	140.00	140.00	87.20	87.20	8330N	3-NITROTOLUENE	NO
G227DIA	MW-227	06/18/2002	PROFILE	140.00	140.00	87.20	87.20	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G227DIA	MW-227	06/18/2002	PROFILE	140.00	140.00	87.20	87.20	8330N	NITROGLYCERIN	NO
G227DIA	MW-227	06/18/2002	PROFILE	140.00	140.00	87.20	87.20	8330N	PICRIC ACID	NO
G227DIA	MW-227	06/18/2002	PROFILE	140.00	140.00	87.20	87.20	OC21V	ACETONE	
G227DJA	MW-227	06/18/2002	PROFILE	150.00	150.00	97.20	97.20	8330N	NITROGLYCERIN	NO
G227DJA	MW-227	06/18/2002	PROFILE	150.00	150.00	97.20	97.20	OC21V	ACETONE	
G227DKA	MW-227	06/18/2002	PROFILE	160.00	160.00	107.20	107.20	8330N	NITROGLYCERIN	NO
G227DKA	MW-227	06/18/2002	PROFILE	160.00	160.00	107.20	107.20	OC21V	ACETONE	
G227DKA	MW-227	06/18/2002	PROFILE	160.00	160.00	107.20	107.20	OC21V	CHLOROFORM	
G227DKA	MW-227	06/18/2002	PROFILE	160.00	160.00	107.20	107.20	OC21V	METHYL ETHYL KETONE (2-BUT	

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G227DLA	MW-227	06/18/2002	PROFILE	170.00	170.00	117.20	117.20	OC21V	ACETONE	
G227DLA	MW-227	06/18/2002	PROFILE	170.00	170.00	117.20	117.20	OC21V	CHLOROFORM	
G227DMA	MW-227	06/18/2002	PROFILE	180.00	180.00	127.20	127.20	8330N	NITROGLYCERIN	NO
G227DMA	MW-227	06/18/2002	PROFILE	180.00	180.00	127.20	127.20	OC21V	ACETONE	
G227DNA	MW-227	06/18/2002	PROFILE	190.00	190.00	137.20	137.20	OC21V	ACETONE	
G227DNA	MW-227	06/18/2002	PROFILE	190.00	190.00	137.20	137.20	OC21V	METHYL ETHYL KETONE (2-BUT	
G227DOA	MW-227	06/19/2002	PROFILE	200.00	200.00	147.20	147.20	8330N	2,6-DINITROTOLUENE	YES
G227DOA	MW-227	06/19/2002	PROFILE	200.00	200.00	147.20	147.20	8330N	3-NITROTOLUENE	NO
G227DOA	MW-227	06/19/2002	PROFILE	200.00	200.00	147.20	147.20	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G227DOA	MW-227	06/19/2002	PROFILE	200.00	200.00	147.20	147.20	8330N	NITROGLYCERIN	NO
G227DOA	MW-227	06/19/2002	PROFILE	200.00	200.00	147.20	147.20	8330N	PICRIC ACID	NO
G227DOA	MW-227	06/19/2002	PROFILE	200.00	200.00	147.20	147.20	OC21V	ACETONE	
G227DOA	MW-227	06/19/2002	PROFILE	200.00	200.00	147.20	147.20	OC21V	METHYL ETHYL KETONE (2-BUT	
G227DPA	MW-227	06/19/2002	PROFILE	210.00	210.00	157.20	157.20	8330N	NITROGLYCERIN	NO
G227DPA	MW-227	06/19/2002	PROFILE	210.00	210.00	157.20	157.20	OC21V	ACETONE	
G227DPA	MW-227	06/19/2002	PROFILE	210.00	210.00	157.20	157.20	OC21V	METHYL ETHYL KETONE (2-BUT	
G227DQA	MW-227	06/19/2002	PROFILE	220.00	220.00	167.20	167.20	OC21V	ACETONE	
G227DSA	MW-227	06/19/2002	PROFILE	240.00	240.00	187.20	187.20	OC21V	ACETONE	
G227DSD	MW-227	06/19/2002	PROFILE	240.00	240.00	187.20	187.20	OC21V	ACETONE	
G227DTA	MW-227	06/19/2002	PROFILE	250.00	250.00	197.20	197.20	OC21V	ACETONE	
STPW1INFS2	STPW1INFS2	06/13/2002	STEP ANALYSIS					E314.0	PERCHLORATE	
STPW1INFS3	STPW1INFS3	06/13/2002	STEP ANALYSIS					E314.0	PERCHLORATE	
STPW1INFSU	STPW1INFSU	06/13/2002	STEP ANALYSIS					E314.0	PERCHLORATE	
STPW1INFS1	STPW1INFS1	06/13/2002	STEP ANALYSIS					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