WEEKLY PROGRESS UPDATE
FOR MAY 27 – MAY 31, 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 May 27 through May 31, 2002.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of May 31 is summarized in Table 1.

Table 1. Drilling progress as of May 31, 2002

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-217	Snake Pond (J3P-24)	168	162	148-153, 138-143, 101-106, 68-73
MW-218	Snake Pond (J3P-25)	180	174	
MW-219	Base Water Supply #4 (WS4P-1)	250	63	
MW-220	Central Impact Area (CIAP-11)	309	181	
MW-221	Demo Area 1 (D1P-12)	343	198	216-226, 178-188, 156-166
MW-223	Central Impact Area (CIAP-25)	100	8	
MW-224	Central Impact Area (CIAP-12)	190	68	

bgs = below ground surface
bwt = below water table

Completed well installation on MW-217 (J3P-24) and MW-221 (D1P-12), completed drilling of MW-220 (CIAP-11), continued drilling of MW-219 (WS4P-1), and commenced drilling of MW-223 (CIAP-23) and MW-224 (CIAP-12). 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-219, MW-220, MW-223 and MW-224. Groundwater samples were collected from Bourne supply wells, sentry wells, and monitoring wells and as part of the April Long Term Groundwater Monitoring round. Water samples were collected from the GAC treatment system. Soil samples were collected from Central Impact Area targets as part of the Central Impact Area supplemental target sampling.

As part of the Munitions Survey Project, soil samples were collected from the J-2 Range Polygons.

The following are the notes from the May 30, 2002 Technical Team meeting at the IAGWSPO:

Participants

Bill Gallagher (IAGWSPO)	Tina Dolen (IAGWSPO)	Karen Wilson (IAGWSPO)
Dave Hill (IAGWSPO)	LTC Bill FitzPatrick (MAARNG)	Dr. Susan Goodfellow (MAARNG)
Mike Jasinski (EPA)	Desiree Moyer (EPA)	Len Pinaud (MADEP)
Mark Panni (MADEP)	Gina Tyo (ACE)	Ed Wise (ACE)
Heather Sullivan (ACE)	Ellen Iorio (ACE)	John MacPherson (ACE)
Rob Foti (ACE)	Don Wood (ACE)	Marc Grant (AMEC-phone)
Kim Harriz (AMEC)	John Rice (AMEC)	Jay Clausen (AMEC-phone)
Maria Pologruto (AMEC)	Carla Buriks (Tt-phone)	Leo Montroy (Tt-phone)
Susan Stewart (Tt-phone)	Larry Hudgins (Tetra Tech)	Ken Valder (Tetra Tech)
Mike Goydas (Jacobs)	Dave Williams (MDPH)	

Punchlist Items

#3 Provide test results for chemical monitoring wells for WS-1, 2, 3 (JPO). LTC Fitzpatrick indicated that he was informed by Hap Gosner (E&RC) that they are still waiting on results. Len Pinaud (MADEP) indicated that Jeff Rose (DEP Water Supply) has not received information.

#5 Provide Updated Central Impact Area Plume Map (Corps/AMEC) Map distributed at meeting. To be discussed further on agenda.

#6 Provide response on practicality of age dating groundwater in Bourne area (USGS). USGS provided memo by email. Cost is $1800 per sample with a 3-6 month TAT. Dave Hill (IAGWSPO) indicated that the USGS has collected 22 of 25 samples that have been funded. Tech team agreed that two of the remaining three samples would be substituted as follows: one would be collected at MW-213M3 and one at MW-80M1. Mr. Hill indicated that he would confer with USGS later today on proceeding with these two samples/well screen locations.

#8 Provide information on J-2 Polygons for IART (Corps). Requested information was provided at May 28 IART meeting.

#10 Provide letter to DEP Water Supply and Bourne Water District requesting changes in explosive analyses in Bourne area (AMEC). Letter sent to DEP and BWD. BWD did not agree with elimination of VOC and explosives analyses and additionally requested that well 02-12 be added to those wells to be sampled and analyzed with a 2 day TAT. Otherwise, the BWD was in general agreement with the proposal. Tech team generally concurred that continued VOC monitoring was not within the scope of the IAGWSP. COL Bleakly (JPO) suggested that the Guard identify how many rounds of sampling results for explosive analysis were needed by the BWD before they felt sufficient characterization had been completed.

#13 Provide BWD comments on Bourne Perchlorate Response Approach (Guard). Bill Gallagher (IAGWSPO) indicated the Leo Yuskus (Haley and Ward) requested a separate biweekly meeting be held among BWD, MADEP Water Supply, Guard and selected contractors to discuss Monument Beach well field issues, with Mr. Gallagher to provide feedback to the weekly Tech meeting. Len Pinaud (MADEP) and Mike Jasinski (EPA) indicated that if remedial activities were to be discussed, the agencies' Remedial Project Managers needed to be present. Tina Dolen (IAGWSPO) to discuss matter with Ralph Marks (BWD) and coordinate with EPA/MADEP representatives. First biweekly meeting set for 3 pm, Monday June 3.

#15 Evaluate impact of Troop Training Schedule on fieldwork schedule (ACE). To be discussed as agenda item.

#16 Provide schedule to install wells downgradient of J-2 Range Polygon 2. (ACE). To be discussed as agenda item.

#19 Provide approval/reply for Central Impact Area Pump Test (EPA/MADEP). EPA provided conditional approval on 5/29. MADEP approved via email on 5/24.
#20 Provide analytical results from ARA perchlorate analysis (ACE). No results received.
#21 Provide status on researching BOMARC solid rocket fuel propellant - use, perchlorate content, disposal (ACE). Nick Iaiennaro (ACE) still pursuing information.
#24 Arrange access to Snake Pond-area property owner to install J3P-26 (Guard). Mike Minior (AFCEE) to arrange meeting with property owner when he returns from vacation.
#25 Provide comments on Demo 1 Soil EcoRisk Report (EPA). Comments forwarded on 5/28.
#26 Provide comments on Dye's issue relative to Demo 1 Soil report (TM01-10) (EPA). Comments provided with Conditional Approval of MOR on 5/29.

Archive Search Report Update

Carla Buriks (Tetra tech) provided an update on Archive Search activities.

- Witness interviewing has started up again. Funding has been obtained for 6 interviews; 14 additional interviews are in the process of being funded.
- Of the interviewee requests regarding the Gun and Mortar propellant bag burning/burial, 2 interviews have been scheduled for this week and 2 interviewee's declined due to failing health. As a substitution, one additional person who has experience with artillery firing at Camp Edwards will be proposed.
- Individuals included on the Navy Appendix F-29 list are being contacted. The private investigator is having trouble locating people on the list, but will continue to search.
- Conditional approval on the Revised Draft Archive Search Report was received on 5/22 from EPA. No major issues were identified; as a result the schedule may be accelerated for issuing the Draft Final Report.
- Len Pinaud (MADEP) indicated that any comments to be forwarded by MADEP would be minor.
- Project Note that was issued earlier in the year indicated that any new information received from follow-on interviews would be incorporated into an Appendix to the Draft Final. The information would not be incorporated into the area-specific descriptions. Interview summaries will, however, be broken down per area. Project Note to be forwarded to the project team with explanation of how the ASR process will move forward.

Munitions Survey Project Update

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

J Range Polygons. Crews are working at J-2 Range. Polygon 2T completed. Polygon 2Q excavation will be completed today, then crew will move to Polygon 2S. Second crew is finishing up J-2 Polygons 14, 15,16 – expected to be completed next week. Following completion of these Polygons the Tetra tech crew will vacate the J-2 Range and move to the J-1 and J-3 Ranges Polygons.

U Range - Grubbing and surface clearance is approximately 50% complete.

Field Schedule/Troop Training Impacts

Maria Pologruto (AMEC) provided a one-month look-ahead of the field schedule and potential conflicts.

Four drilling rigs are currently mobilized for well installation.

Week of June 10th - Wells to be drilled are J3P-17, D1P-13, BP-1, and J3P-18. Drilling of J3P-17 may conflict with MSP III work at J-3 Range. National Guard training activities in TNG Area A-3 need to be coordinated with drilling at D1P-13.

Week of June 24th – Wells to be drilled are J2P-12, -13, -14, and –15. Drilling activities have been coordinated with the MSP activities and no conflicts are anticipated. UXO clearance of well pads for these wells will commence next week.

Early July – Wells to be drilled are LP-10, J3P-21, WS4P-2, J1P-1. Drilling of J3P-21 and LP-10 may conflict with MSP work at J-3 Range.
Late July – Wells to be drilled are J1P-16, -17, -18, and CIAP-24.

- The schedule does not incorporate Demo 1 wells, which are to be prioritized.
- Proposed locations D1P-13, -14, -15 and J2P-12, -13, -14 have ROA approval. Mike Jasinski (EPA) requested a table showing proposed drilling locations versus status of ROAs. Karen Wilson (IAGWSPO) did not anticipate any ROA issues of outstanding well locations.
- Rob Foti (ACE) indicated that there were two issues related to troop training impacts.
- First issue was to define what areas would be occupied by bivouacking and how field activities could work around these encampments.
- Second issue involved use of B/C Ranges in July. Ammunition is only expected to be used on weekends. Therefore, the Corps will coordinate with Range Control on the possibility of working in the Central Impact Area during the week when live ammunition is not used during training.
- Additional scheduling issues to be brought up at Tech meeting as needed.

Natural and Cultural Resources

Karen Wilson (IAGWSPO) reviewed natural and cultural resource issues relative to proposed drilling and MSP3 activities.
Proposed Bourne well 02-06 – this well is located at a natural spring area in Bourne. The Conservation Commission does not favor placing a monitoring well in this recreational area. Dr. Sue Goodfellow (MAARNG) indicated that as a sensitive area, natural and cultural resource surveys would be needed for this location prior to approval of the ROA. This will be an approximate 45-60 day process. The Tech team generally concurred that this location is not needed for characterization activities in the Monument Beach Wellfield. Mike Jasinski suggested that information on cultural and natural resources sensitivity be forwarded to Leo Yuskus. Bill Gallagher to discuss need for well location with BWD.
Ponds - no cutting of vegetation or excavation is to be conducted within 100 feet of ponds. This issue can be revisited with Conservation Commission on a case-by-case basis if excavation is needed within this buffer zone.

- Deep Bottom Pond –Proposed work at Deep Bottom Pond is all right since the proposed work area is highly disturbed. However, activities outside this area need a different approach. In addition, Dr. Goodfellow has requested that the excavation areas be left open so that the stratigraphic profile can be reviewed.
- Ox Pond – There has been minimal disturbance in this pond, and it is a moderately culturally sensitive area. A geophysical survey consisting of a site reconnaissance with a magnetomer will be all right. If anomaly excavation is proposed, depending on the number and size of the proposed excavation, a cultural resources survey may be requested. Ms. Wilson indicated that hand clearance of the road to Ox Pond for access would be acceptable.
- Succonsette and Grassy Ponds – These are culturally sensitive areas that need to be discussed once ROAs are submitted.

Barrage Rocket Site – This suspected impact area north of J-3 Range is endangered species (particularly moth) habitat consisting of a dense scrub oak understory with open pitch pine canopy. 10 HE barrage rockets were discovered in this area. The current ROA that has been submitted includes the flush cutting of ten 30X30 meter grid areas totaling 2.2 acres. From the natural resources standpoint, disturbance of this habitat needs to be minimized.
Mike Jasinski recommended that the first phase of the Workplan, consisting of a detailed reconnaissance survey with magnetometer, be completed pending further discussion. The objective of this survey will be to identify the edges of the suspected impact area.
Other Areas – Field personnel need to be aware that a box turtle with transmitter lives in the N

Range area. Investigations at the Hillside site need to be coordinated with Dr. Goodfellow who will be monitoring the activities. NBC and Former Demo sites need to be reviewed prior to commencing activities, since it has been proposed that the understory be cleared.

- Dr. Susan Goodfellow notified the Tech team that Project Notification Forms would be submitted to the Massachusetts Historical Commission for every action completed at the base. These forms are being submitted for all activities, even those in low sensitivity areas, because the sensitivity map for the area is rather broad-brush in scope. The Commission reserves a 30-day review period to comment. However, for the MMR project, proposed activities are often initiated within one week of submission of the forms. As a result, there is the potential that the Guard could not be responsive to the Commission's comment. In such cases, Dr. Goodfellow is uncertain as to what action the Commission would take.
- Dr. Goodfellow is in the process of updating/refining the Prehistoric and Historic Archeological Sensitivity Map for the base. Copies of the current map were distributed to the agencies and Guard.

Central Impact Area Update

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

- The pump test is scheduled for the week of June 17th. AMEC is working on response to the comments that EPA included with their conditional approval letter. A second set of comments, not contingent on the approval, will also be addressed.
- Step test to be completed on June 12th.
- Currently drilling CIAP-11 (MW-220); CIAP-12 (MW-224) and CIAP-25 (MW-223).
- Proposed locations CIAP-24 and CIAP-14 are outstanding. Tech team agreed that CIAP-14 is not a location that is still needed for characterization.
- Characterization of the Central Impact Area plume will be contingent upon completion of Perchlorate sampling and analysis. The majority of Central Impact Area wells will be sampled in the August LTGM round and sampling will not likely be completed until sometime in October. Therefore, the data will not be ready in December to start analysis and begin modeling. The Draft Groundwater FS will likely be submitted in the March/April 2003 timeframe. The Guard/Corps/AMEC are still working on the schedule that was requested by the EPA to be prepared by June 22. The Tech team concurred that any additional scooping of monitoring wells should be based on perchlorate results, as well as explosive results.
- An overview of wells to be sampled for Perchlorate in the Central Impact Area and existing data will be provided in the Site-Wide Perchlorate Sampling Plan. This plan to be provided prior to and discussed at the June 13 Tech meeting in two weeks.
- John Rice (AMEC) pointed out that a correction needed to be made on the current plume map that detection of RDX at MW-207 was above 10 ppb.
- Mike Jasinski inquired about the isolated detection at MW-205. John Rice indicated that drilling at proposed location J1P-16 would help determine if the MW-205 detection had an origin in the J-1 Range. Mr. Jasinski indicated that additional characterization pursuant to this detection may be needed contingent on the results at J1P-16.

Bourne Area Update

John Rice (AMEC) provided an update on the Bourne area investigation.

- Drilling well WSP4-1, upgradient of WSP-4.
- Groundwater sampling in the area continues.
- 02-10 is being developed.
- Tina Dolen (IAGWSPO) indicated that Tom Cambareri (Cape Cod Commission) requested that the Tech team evaluate the need for a monitoring well west of Bourne Water Supply

Well 01G. Len Pinaud (MADEP) indicated that Ben Gregson (IAGWSPO) indicated that the Guard would be delineating the extent of the plume in this area. Tech team generally agreed that it was not a critical need to define perchlorate in groundwater west of Water Supply Well 01G as long as Public Health was protected. This protection is afforded by scheduled monitoring of Monument Beach Supply Wells and upgradient monitoring wells.

- Ms. Dolen indicated that four private wells on Briarwood will be sampled. Three residential wells on Hersey Lane had been sampled in April; results show non detect for perchlorate.
- John Rice indicated that the WS4P-2 monitoring well location was approved by Jeff Rose (MADEP Water Supply) and a ROA can be prepared for this location.
- Bill Gallagher indicated that well 1-88a would be added to the weekly Bourne sampling event.

Miscellaneous

- Mike Jasinski (EPA) requested that an overall, comprehensive enforceable milestone schedule be discussed at the June 13th Tech meeting for all ongoing work activities. This information should be forwarded prior to the meeting. Bill Gallagher requested that the MCP deadlines be incorporated.

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 Bourne supply wells 4036000-01G, 4036000-03G and 4036000-06G and Bourne monitoring well 02-13M1 had detections of chloromethane.

- A groundwater sample from 90MW0005 (FS-12) had detections of 1,3,5-trinitrobenzene, 2-nitrotoluene, nitroglycerin and picric acid that were not confirmed by PDA spectra. These compounds have not been previously validated detections in this well.

- A groundwater sample from 90MW0034 (FS-12) had detections of 1,3,5-trinitrobenzene, 2,6-DNT, 2-nitrotoluene, 3-nitrotoluene, picric acid, and nitroglycerin. The detection of 2,6-DNT was confirmed by PDA spectra, but with interference. A duplicate sample had similar detections except that 2,6-DNT was not detected. In both samples, the detection of 3-nitrotoluene was not confirmed by PDA spectra, but with interference. These compounds have not been previously validated detections in this well.

- A groundwater sample from 90MW0061 (FS-12) had detections of 2-nitrotoluene, 3-nitrotoluene, nitroglycerin and picric acid. This is the first sampling event for this well.

- Groundwater samples from Bourne monitoring wells 00-1D, 02-04M1, and 02-04M2 had detections of TCE. The results were similar to previous sampling rounds.

- Chloroform was detected in seventeen samples and one duplicate sample from supply wells and monitoring wells.

- A groundwater sample from MW-38M3 (Central Impact Area) had a detection of perchlorate. This is the first time perchlorate has been detected in this well and the first analysis for perchlorate using the MDL of 0.35 ppb.

- Groundwater samples from MW-91S, M1 and a duplicate (Central Impact Area) had detections of perchlorate. The detections were similar to previous sampling rounds.

- A groundwater sample from MW-94M2 (Central Impact Area) had a detection of RDX that was confirmed by PDA spectra. The detection was similar to previous sampling rounds.

- Groundwater profile samples from MW-219 (WS4P-1) had detections of 2-hexanone (1 interval), acetone (1 interval), 2-butanone (1 interval), methyl isobutyl ketone (1 interval), TNT (1 interval), 2,4-DANT (3 intervals), 2,6-DNT (6 intervals), 2-nitrotoluene (2 intervals), 3-nitrotoluene (1 interval), 4A-DNT (6 intervals), 4-nitrotoluene (4 intervals), RDX (1 interval), nitroglycerin (6 intervals), and picric acid (5 intervals). The detections of 2,4-DANT and three detections of 2,6-DNT were confirmed by PDA spectra, but with interference. Two detections of 2,6-DNT, one detection of 4A-DNT, and the detection of RDX were not confirmed by PDA spectra, but with interference.

- Groundwater profile samples from MW-220 (CIAP-11) had detections of 2,6-DNT (1 interval), 2-nitrotoluene (3 intervals), 4A-DNT (2 intervals), 4-nitrotoluene (4 intervals), RDX (1 interval), nitroglycerin (10 intervals), and picric acid (9 intervals). The detection of 2,6-DNT was confirmed by PDA spectra, but with interference.

3. DELIVERABLES SUBMITTED

Weekly Progress Update for May 13 - May 17, 2002	05/28/02
Weekly Progress Update for May 20 – May 24, 2002	05/30/02

4. SCHEDULED ACTIONS

Scheduled actions for the week of June 3 include complete well installation of MW-218 (J3P-25) and MW-220 (CIAP-11); complete drilling of MW-219 (WS4P-1), MW-223 (CIAP-25), and MW-224 (CIAP-12); and commence drilling at D1P-13.

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. The installation of monitoring well MW-221 (D1P-12) was completed. The installation of the next monitoring well D1P-13, located west of Pew Road, will commence next week. Planning efforts were continued for the installation of additional monitoring wells west of Pew Road. Three potential approaches for interim actions to address the groundwater plume were discussed at the 5/28/02 Impact Area Review Team (IART) Meeting. Further evaluation of these approaches is being conducted and a proposed approach will be presented at the June IART meeting.

TABLE 2
SAMPLING PROGRESS
05/25/2002 - 05/31/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
J2.F.T2T.XC1.4.0	NA	05/28/2002	CRATER GRAB	1.75	2.00		
90MW0005E	FIELDQC	05/25/2002	FIELDQC	0.00	0.00		
G219DAE	FIELDQC	05/29/2002	FIELDQC	0.00	0.00		
G219DAT	FIELDQC	05/29/2002	FIELDQC	0.00	0.00		
G219DFE	FIELDQC	05/30/2002	FIELDQC	0.00	0.00		
G219DFE	FIELDQC	05/31/2002	FIELDQC	0.00	0.00		
G223DAE	FIELDQC	05/31/2002	FIELDQC	0.00	0.00		
HC125A1AAE	FIELDQC	05/30/2002	FIELDQC	0.00	0.00		
HC177SB1AAE	FIELDQC	05/31/2002	FIELDQC	0.00	0.00		
HC177SB1AAT	FIELDQC	05/31/2002	FIELDQC	0.00	0.00		
HC181A1BAE	FIELDQC	05/29/2002	FIELDQC	0.00	0.00		
W02-02M1E	FIELDQC	05/30/2002	FIELDQC	0.00	0.00		
W02-02M1T	FIELDQC	05/30/2002	FIELDQC	0.00	0.00		
W02-04M2E	FIELDQC	05/29/2002	FIELDQC	0.00	0.00		
W02-04M2T	FIELDQC	05/29/2002	FIELDQC	0.00	0.00		
W02-05M2E	FIELDQC	05/31/2002	FIELDQC	0.00	0.00		
W02-09M2E	FIELDQC	05/28/2002	FIELDQC	0.00	0.00		
W02-09M2T	FIELDQC	05/28/2002	FIELDQC	0.00	0.00		
4036000-01G	4036000-01G	05/29/2002	GROUNDWATER				
4036000-03G	4036000-03G	05/29/2002	GROUNDWATER				
4036000-04G	4036000-04G	05/29/2002	GROUNDWATER				
4036000-06G	4036000-06G	05/29/2002	GROUNDWATER				
58MW0001	58MW001	05/31/2002	GROUNDWATER	121.80	126.80	3.60	8.60
58MW0002	58MW0002	05/31/2002	GROUNDWATER	121.20	126.20	4.00	9.00
58MW0003	58MW003	05/31/2002	GROUNDWATER	119.00	124.00	0.30	5.30
58MW0003D	58MW003D	05/31/2002	GROUNDWATER	119.00	124.00	0.30	5.30
58MW0006E	58MW0006E	05/31/2002	GROUNDWATER	109.60	119.60	0.00	10.00
58MW0007C	58MW0007C	05/31/2002	GROUNDWATER	152.78	157.78	24.00	29.00
90MP0060C	90MP0060	05/30/2002	GROUNDWATER	126.52	129.02		
90MP0060D	90MP0060	05/30/2002	GROUNDWATER	102.20	104.50		
90MP0060F	90MP0060	05/30/2002	GROUNDWATER	47.02	49.52		
90MP0060FD	90MP0060	05/30/2002	GROUNDWATER	240.00	240.00		
90MW0005	90MW0005	05/25/2002	GROUNDWATER	184.00	189.00	73.00	78.00
90SNP0001	90SNP001	05/31/2002	GROUNDWATER				
90SNP0002	90SNP002	05/31/2002	GROUNDWATER				
PPAWSPW-1	PPAWSPW-1	05/31/2002	GROUNDWATER				
PPAWSPW-2	PPAWSPW-2	05/31/2002	GROUNDWATER				
W02-02M1A	02-02	05/30/2002	GROUNDWATER	114.50	124.50	63.50	73.50
W02-02M1A	02-02	05/31/2002	GROUNDWATER	114.50	124.50	63.50	73.50
W02-02M1D	02-02	05/30/2002	GROUNDWATER	114.50	124.50	63.50	73.50
W02-02M1D	02-02	05/31/2002	GROUNDWATER	114.50	124.50	63.50	73.50
W02-02M2A	02-02	05/30/2002	GROUNDWATER	94.50	104.50	42.65	52.65
W02-02M2A	02-02	05/31/2002	GROUNDWATER	94.50	104.50	42.65	52.65

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
05/25/2002 - 05/31/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W02-02SSA	02-02	05/30/2002	GROUNDWATER	49.50	59.50	0.00	10.00
W02-02SSA	02-02	05/31/2002	GROUNDWATER	49.50	59.50	0.00	10.00
W02-04M1A	02-04	05/29/2002	GROUNDWATER	123.00	133.00	73.97	83.97
W02-04M2A	02-04	05/29/2002	GROUNDWATER	98.00	108.00	48.93	58.93
W02-04M3A	02-04	05/30/2002	GROUNDWATER	83.00	93.00	34.01	44.01
W02-05M1A	02-05	05/30/2002	GROUNDWATER	110.00	120.00	81.44	91.44
W02-05M1A	02-05	05/31/2002	GROUNDWATER	110.00	120.00	81.44	91.44
W02-05M2A	02-05	05/31/2002	GROUNDWATER	92.00	102.00	63.41	73.41
W02-05M3A	02-05	05/30/2002	GROUNDWATER	70.00	80.00	41.37	51.37
W02-05M3A	02-05	05/31/2002	GROUNDWATER	70.00	80.00	41.37	51.37
W02-07M1A	02-07	05/28/2002	GROUNDWATER	135.00	145.00	101.14	111.14
W02-07M2A	02-07	05/28/2002	GROUNDWATER	107.00	117.00	72.86	82.86
W02-07M3A	02-07	05/28/2002	GROUNDWATER	47.00	57.00	13.00	23.00
W02-09M1A	02-09	05/28/2002	GROUNDWATER	74.00	84.00	65.26	75.26
W02-09M2A	02-09	05/28/2002	GROUNDWATER	59.00	69.00	50.30	60.30
W02-09SSA	02-09	05/28/2002	GROUNDWATER	7.00	17.00	0.00	10.00
W02-09SSD	02-09	05/28/2002	GROUNDWATER	7.00	17.00	0.00	10.00
W02-12M1A	02-12	05/28/2002	GROUNDWATER	109.00	119.00	58.35	68.35
W02-12M2A	02-12	05/29/2002	GROUNDWATER	94.00	104.00	43.21	53.21
W02-12M3A	02-12	05/29/2002	GROUNDWATER	79.00	89.00	28.22	38.22
W02-13M1A	02-13	05/28/2002	GROUNDWATER	98.00	108.00	58.33	68.33
W02-13M2A	02-13	05/28/2002	GROUNDWATER	83.00	93.00	44.20	54.20
W02-13M3A	02-13	05/29/2002	GROUNDWATER	68.00	78.00	28.30	38.30
W114M2A	MW114	05/29/2002	GROUNDWATER	120.00	130.00	39.00	49.00
W19SSA	MW-19	05/29/2002	GROUNDWATER	38.00	48.00	0.00	10.00
W19SSA	MW-19	05/30/2002	GROUNDWATER	38.00	48.00	0.00	10.00
W31SSA	MW-31	05/29/2002	GROUNDWATER	98.00	103.00	13.00	18.00
W77SSA	MW-77	05/29/2002	GROUNDWATER	83.00	93.00	1.00	11.00
W77SSD	MW-77	05/29/2002	GROUNDWATER	83.00	93.00	1.00	11.00
W80SSA	MW-80	05/30/2002	GROUNDWATER	43.00	53.00	0.00	10.00
DW052902	GAC WATER	05/30/2002	IDW				
DW052902A	GAC WATER	05/30/2002	IDW				
DW052902B	GAC WATER	05/30/2002	IDW				
DW053002	GAC WATER	05/31/2002	IDW				
G219DAA	MW-219	05/29/2002	PROFILE	195.00	195.00	8.00	8.00
G219DBA	MW-219	05/30/2002	PROFILE	200.00	200.00	13.00	13.00
G219DCA	MW-219	05/30/2002	PROFILE	210.00	210.00	23.00	23.00
G219DDA	MW-219	05/30/2002	PROFILE	220.00	220.00	33.00	33.00
G219DEA	MW-219	05/30/2002	PROFILE	230.00	230.00	43.00	43.00
G219DEA	MW-219	05/31/2002	PROFILE	230.00	230.00	43.00	43.00
G219DFA	MW-219	05/30/2002	PROFILE	240.00	240.00	53.00	53.00
G219DFA	MW-219	05/31/2002	PROFILE	240.00	240.00	53.00	53.00
G219DGA	MW-219	05/30/2002	PROFILE	250.00	250.00	63.00	63.00
G219DHA	MW-219	05/30/2002	PROFILE	260.00	260.00	73.00	73.00

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
05/25/2002 - 05/31/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G220DAA	MW-220	05/28/2002	PROFILE	140.00	140.00	12.00	12.00
G220DBA	MW-220	05/28/2002	PROFILE	150.00	150.00	22.00	22.00
G220DCA	MW-220	05/28/2002	PROFILE	160.00	160.00	32.00	32.00
G220DDA	MW-220	05/28/2002	PROFILE	170.00	170.00	42.00	42.00
G220DEA	MW-220	05/28/2002	PROFILE	180.00	180.00	52.00	52.00
G220DFA	MW-220	05/28/2002	PROFILE	190.00	190.00	62.00	62.00
G220DGA	MW-220	05/29/2002	PROFILE	200.00	200.00	72.00	72.00
G220DHA	MW-220	05/29/2002	PROFILE	210.00	210.00	82.00	82.00
G220DIA	MW-220	05/29/2002	PROFILE	220.00	220.00	92.00	92.00
G220DJA	MW-220	05/29/2002	PROFILE	230.00	230.00	102.00	102.00
G220DKA	MW-220	05/29/2002	PROFILE	240.00	240.00	112.00	112.00
G220DKD	MW-220	05/29/2002	PROFILE	240.00	240.00	112.00	112.00
G220DLA	MW-220	05/29/2002	PROFILE	250.00	250.00	122.00	122.00
G220DMA	MW-220	05/29/2002	PROFILE	260.00	260.00	132.00	132.00
G220DNA	MW-220	05/29/2002	PROFILE	270.00	270.00	142.00	142.00
G220DOA	MW-220	05/30/2002	PROFILE	280.00	280.00	152.00	152.00
G220DPA	MW-220	05/30/2002	PROFILE	290.00	290.00	162.00	162.00
G220DQA	MW-220	05/30/2002	PROFILE	300.00	300.00	172.00	172.00
G220DRA	MW-220	05/30/2002	PROFILE	309.00	309.00	181.00	181.00
G223DAA	MW-223	05/31/2002	PROFILE	100.00	100.00	7.80	7.80
G224DAA	MW-224	05/31/2002	PROFILE	140.00	140.00	18.40	18.40
G224DBA	MW-224	05/31/2002	PROFILE	150.00	150.00	28.40	28.40
G224DCA	MW-224	05/31/2002	PROFILE	160.00	160.00	38.40	38.40
G224DDA	MW-224	05/31/2002	PROFILE	170.00	170.00	48.40	48.40
G224DEA	MW-224	05/31/2002	PROFILE	180.00	180.00	58.40	58.40
G224DFA	MW-224	05/31/2002	PROFILE	190.00	190.00	68.40	68.40
HC125A1AAA	125A	05/30/2002	SOIL GRID	0.00	0.25		
HC125A1BAA	125A	05/30/2002	SOIL GRID	0.25	0.50		
HC125A1CAA	125A	05/30/2002	SOIL GRID	0.50	1.00		
HC125B1AAA	125B	05/30/2002	SOIL GRID	0.00	0.25		
HC125B1BAA	125B	05/30/2002	SOIL GRID	0.25	0.50		
HC125B1CAA	125B	05/30/2002	SOIL GRID	0.50	1.00		
HC178SA1AAA	178SA	05/31/2002	SOIL GRID	0.00	0.25		
HC178SA1BAA	178SA	05/31/2002	SOIL GRID	0.25	0.50		
HC178SA1CAA	178SA	05/31/2002	SOIL GRID	0.50	1.00		
HC178SB1AAA	178SB	05/31/2002	SOIL GRID	0.00	0.25		
HC178SB1AAD	178SB	05/31/2002	SOIL GRID	0.00	0.25		
HC178SB1BAA	178SB	05/31/2002	SOIL GRID	0.25	0.50		
HC178SB1CAA	178SB	05/31/2002	SOIL GRID	0.50	1.00		
HC181A1AAA	181A	05/29/2002	SOIL GRID	0.00	0.25		
HC181A1BAA	181A	05/29/2002	SOIL GRID	0.25	0.50		
HC181A1CAA	181A	05/29/2002	SOIL GRID	0.50	1.00		
HC181B1AAA	181B	05/29/2002	SOIL GRID	0.00	0.25		
HC181B1BAA	181B	05/29/2002	SOIL GRID	0.25	0.50		

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
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TABLE 2
SAMPLING PROGRESS
05/25/2002 - 05/31/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC181B1CAA	181B	05/29/2002	SOIL GRID	0.50	1.00		
HD125A1AAA	125A	05/30/2002	SOIL GRID	0.00	0.25		
HD125A1BAA	125A	05/30/2002	SOIL GRID	0.25	0.50		
HD125A1CAA	125A	05/30/2002	SOIL GRID	0.50	1.00		
HD125A3AAA	125A	05/30/2002	SOIL GRID	0.00	0.25		
HD125A3BAA	125A	05/30/2002	SOIL GRID	0.25	0.50		
HD125A3CAA	125A	05/30/2002	SOIL GRID	0.50	1.00		
HD125A5AAA	125A	05/30/2002	SOIL GRID	0.00	0.25		
HD125A5BAA	125A	05/30/2002	SOIL GRID	0.25	0.50		
HD125A5CAA	125A	05/30/2002	SOIL GRID	0.50	1.00		
HD125A7AAA	125A	05/30/2002	SOIL GRID	0.00	0.25		
HD125A7BAA	125A	05/30/2002	SOIL GRID	0.25	0.50		
HD125A7BAD	125A	05/30/2002	SOIL GRID	0.25	0.50		
HD125A7CAA	125A	05/30/2002	SOIL GRID	0.50	1.00		
HD125B1AAA	125B	05/30/2002	SOIL GRID	0.00	0.25		
HD125B1BAA	125B	05/30/2002	SOIL GRID	0.25	0.50		
HD125B1CAA	125B	05/30/2002	SOIL GRID	0.50	1.00		
HD125B3AAA	125B	05/30/2002	SOIL GRID	0.00	0.25		
HD125B3BAA	125B	05/30/2002	SOIL GRID	0.25	0.50		
HD125B3CAA	125B	05/30/2002	SOIL GRID	0.50	1.00		
HD125B5AAA	125B	05/30/2002	SOIL GRID	0.00	0.25		
HD125B5BAA	125B	05/30/2002	SOIL GRID	0.25	0.50		
HD125B5CAA	125B	05/30/2002	SOIL GRID	0.50	1.00		
HD125B7AAA	125B	05/30/2002	SOIL GRID	0.00	0.25		
HD125B7BAA	125B	05/30/2002	SOIL GRID	0.25	0.50		
HD125B7CAA	125B	05/30/2002	SOIL GRID	0.50	1.00		
HD125B7CAD	125B	05/30/2002	SOIL GRID	0.50	1.00		
HD178SA14AAA	178SA	05/31/2002	SOIL GRID	0.00	0.25		
HD178SA14BAA	178SA	05/31/2002	SOIL GRID	0.25	0.50		
HD178SA14CAA	178SA	05/31/2002	SOIL GRID	0.50	1.00		
HD178SA16AAA	178SA	05/31/2002	SOIL GRID	0.00	0.25		
HD178SA16BAA	178SA	05/31/2002	SOIL GRID	0.25	0.50		
HD178SA16CAA	178SA	05/31/2002	SOIL GRID	0.50	1.00		
HD178SA16CAD	178SA	05/31/2002	SOIL GRID	0.50	1.00		
HD178SB14AAA	178SB	05/31/2002	SOIL GRID	0.00	0.25		
HD178SB14BAA	178SB	05/31/2002	SOIL GRID	0.25	0.50		
HD178SB14CAA	178SB	05/31/2002	SOIL GRID	0.50	1.00		
HD178SB16AAA	178SB	05/31/2002	SOIL GRID	0.00	0.25		
HD178SB16BAA	178SB	05/31/2002	SOIL GRID	0.25	0.50		
HD178SB16CAA	178SB	05/31/2002	SOIL GRID	0.50	1.00		
HD181A1AAA	181A	05/29/2002	SOIL GRID	0.00	0.25		
HD181A1BAA	181A	05/29/2002	SOIL GRID	0.25	0.50		
HD181A1CAA	181A	05/29/2002	SOIL GRID	0.50	1.00		
HD181A3AAA	181A	05/29/2002	SOIL GRID	0.00	0.25		

Profiling methods include: Volatiles, Explosives and Perchlorate
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
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TABLE 2
SAMPLING PROGRESS
05/25/2002 - 05/31/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD181A3BAA	181A	05/29/2002	SOIL GRID	0.25	0.50		
HD181A3CAA	181A	05/29/2002	SOIL GRID	0.50	1.00		
HD181A5AAA	181A	05/29/2002	SOIL GRID	0.00	0.25		
HD181A5BAA	181A	05/29/2002	SOIL GRID	0.25	0.50		
HD181A5CAA	181A	05/29/2002	SOIL GRID	0.50	1.00		
HD181A7AAA	181A	05/29/2002	SOIL GRID	0.00	0.25		
HD181A7BAA	181A	05/29/2002	SOIL GRID	0.25	0.50		
HD181A7CAA	181A	05/29/2002	SOIL GRID	0.50	1.00		
HD181B1AAA	181B	05/29/2002	SOIL GRID	0.00	0.25		
HD181B1BAA	181B	05/29/2002	SOIL GRID	0.25	0.50		
HD181B1CAA	181B	05/29/2002	SOIL GRID	0.50	1.00		
HD181B3AAA	181B	05/29/2002	SOIL GRID	0.00	0.25		
HD181B3BAA	181B	05/29/2002	SOIL GRID	0.25	0.50		
HD181B3CAA	181B	05/29/2002	SOIL GRID	0.50	1.00		
HD181B5AAA	181B	05/29/2002	SOIL GRID	0.00	0.25		
HD181B5BAA	181B	05/29/2002	SOIL GRID	0.25	0.50		
HD181B5CAA	181B	05/29/2002	SOIL GRID	0.50	1.00		
HD181B7AAA	181B	05/29/2002	SOIL GRID	0.00	0.25		
HD181B7BAA	181B	05/29/2002	SOIL GRID	0.25	0.50		
HD181B7CAA	181B	05/29/2002	SOIL GRID	0.50	1.00		
HD181B7CAD	181B	05/29/2002	SOIL GRID	0.50	1.00		
J2.F.T2T.XC1.1.0	NA	05/28/2002	SOIL GRID	0.00	7.00		
J2.F.T2T.XC1.2.0	NA	05/28/2002	SOIL GRID	6.75	7.00		
J2.F.T2T.XC1.3.0	NA	05/28/2002	SOIL GRID	1.75	2.00		
J2.F.T4.XC1.1.0	NA	05/28/2002	SOIL GRID	0.00	6.75		
J2.F.T4.XC1.2.0	NA	05/28/2002	SOIL GRID	6.50	6.75		

Profiling methods include: Volatiles, Explosives and Perchlorate
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SBD = Sample Begin Depth, measured in feet bgs
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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 05/04/02 - 05/24/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
4036000-01G	4036000-01G	05/29/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-01G	4036000-01G	05/29/2002	GROUNDWATER					OC21V	CHLOROMETHANE	
4036000-03G	4036000-03G	05/29/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-03G	4036000-03G	05/29/2002	GROUNDWATER					OC21V	CHLOROMETHANE	
4036000-04G	4036000-04G	05/29/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-06G	4036000-06G	05/29/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-06G	4036000-06G	05/29/2002	GROUNDWATER					OC21V	CHLOROMETHANE	
90MW0005	90MW0005	05/25/2002	GROUNDWATER	184.00	189.00	73.00	78.00	8330N	1,3,5-TRINITROBENZENE	NO
90MW0005	90MW0005	05/25/2002	GROUNDWATER	184.00	189.00	73.00	78.00	8330N	2-NITROTOLUENE	NO
90MW0005	90MW0005	05/25/2002	GROUNDWATER	184.00	189.00	73.00	78.00	8330N	NITROGLYCERIN	NO
90MW0005	90MW0005	05/25/2002	GROUNDWATER	184.00	189.00	73.00	78.00	8330N	PICRIC ACID	NO
90MW0034	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57	8330N	1,3,5-TRINITROBENZENE	NO
90MW0034	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57	8330N	2,6-DINITROTOLUENE	YES*
90MW0034	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57	8330N	2-NITROTOLUENE	NO
90MW0034	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57	8330N	3-NITROTOLUENE	NO*
90MW0034	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57	8330N	NITROGLYCERIN	NO
90MW0034	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57	8330N	PICRIC ACID	NO
90MW0034D	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57	8330N	1,3,5-TRINITROBENZENE	NO
90MW0034D	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57	8330N	2-NITROTOLUENE	NO
90MW0034D	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57	8330N	3-NITROTOLUENE	NO*
90MW0034D	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57	8330N	NITROGLYCERIN	NO
90MW0034D	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57	8330N	PICRIC ACID	NO
90MW0061	90MW0061	05/24/2002	GROUNDWATER	150.00	155.00	58.65	63.65	8330N	2-NITROTOLUENE	NO
90MW0061	90MW0061	05/24/2002	GROUNDWATER	150.00	155.00	58.65	63.65	8330N	3-NITROTOLUENE	NO
90MW0061	90MW0061	05/24/2002	GROUNDWATER	150.00	155.00	58.65	63.65	8330N	NITROGLYCERIN	NO
90MW0061	90MW0061	05/24/2002	GROUNDWATER	150.00	155.00	58.65	63.65	8330N	PICRIC ACID	NO
OW00-1DA	00-1D	05/22/2002	GROUNDWATER	175.00	185.00	48.30	54.30	OC21V	CHLOROFORM	
OW00-1DA	00-1D	05/22/2002	GROUNDWATER	175.00	185.00	48.30	54.30	OC21V	TRICHLOROETHYLENE (TCE)	
W02-04M1A	02-04	05/29/2002	GROUNDWATER	123.00	133.00	73.97	83.97	OC21V	CHLOROFORM	
W02-04M1A	02-04	05/29/2002	GROUNDWATER	123.00	133.00	73.97	83.97	OC21V	TRICHLOROETHYLENE (TCE)	
W02-04M2A	02-04	05/29/2002	GROUNDWATER	98.00	108.00	48.93	58.93	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 05/04/02 - 05/24/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W02-04M2A	02-04	05/29/2002	GROUNDWATER	98.00	108.00	48.93	58.93	OC21V	TRICHLOROETHYLENE (TCE)	
W02-07M1A	02-07	05/28/2002	GROUNDWATER	135.00	145.00	101.14	111.14	OC21V	CHLOROFORM	
W02-07M2A	02-07	05/28/2002	GROUNDWATER	107.00	117.00	72.86	82.86	OC21V	CHLOROFORM	
W02-07M3A	02-07	05/28/2002	GROUNDWATER	47.00	57.00	13.00	23.00	OC21V	CHLOROFORM	
W02-09M1A	02-09	05/28/2002	GROUNDWATER	74.00	84.00	65.26	75.26	OC21V	CHLOROFORM	
W02-09M2A	02-09	05/28/2002	GROUNDWATER	59.00	69.00	50.30	60.30	OC21V	CHLOROFORM	
W02-09SSA	02-09	05/28/2002	GROUNDWATER	7.00	17.00	0.00	10.00	OC21V	CHLOROFORM	
W02-09SSD	02-09	05/28/2002	GROUNDWATER	7.00	17.00	0.00	10.00	OC21V	CHLOROFORM	
W02-12M2A	02-12	05/29/2002	GROUNDWATER	94.00	104.00	43.21	53.21	OC21V	CHLOROFORM	
W02-12M3A	02-12	05/29/2002	GROUNDWATER	79.00	89.00	28.22	38.22	OC21V	CHLOROFORM	
W02-13M1A	02-13	05/28/2002	GROUNDWATER	98.00	108.00	58.33	68.33	OC21V	CHLOROFORM	
W02-13M1A	02-13	05/28/2002	GROUNDWATER	98.00	108.00	58.33	68.33	OC21V	CHLOROMETHANE	
W02-13M2A	02-13	05/28/2002	GROUNDWATER	83.00	93.00	44.20	54.20	OC21V	CHLOROFORM	
W38M3A	MW-38	05/13/2002	GROUNDWATER	170.00	180.00	52.00	62.00	E314.0	PERCHLORATE	
W91M1A	MW-91	05/20/2002	GROUNDWATER	170.00	180.00	45.00	55.00	E314.0	PERCHLORATE	
W91M1D	MW-91	05/20/2002	GROUNDWATER	170.00	180.00	45.00	55.00	E314.0	PERCHLORATE	
W91SSA	MW-91	05/20/2002	GROUNDWATER	124.00	134.00	0.00	10.00	E314.0	PERCHLORATE	
W94M1A	MW-94	05/17/2002	GROUNDWATER	165.00	175.00	36.00	46.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W94M2A	MW-94	05/17/2002	GROUNDWATER	140.00	150.00	16.00	26.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G219DAA	MW-219	05/29/2002	PROFILE	195.00	195.00	8.00	8.00	8330N	2,4,6-TRINITROTOLUENE	NO
G219DAA	MW-219	05/29/2002	PROFILE	195.00	195.00	8.00	8.00	8330N	2,6-DINITROTOLUENE	YES*
G219DAA	MW-219	05/29/2002	PROFILE	195.00	195.00	8.00	8.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G219DAA	MW-219	05/29/2002	PROFILE	195.00	195.00	8.00	8.00	8330N	NITROGLYCERIN	NO
G219DAA	MW-219	05/29/2002	PROFILE	195.00	195.00	8.00	8.00	OC21V	2-HEXANONE	
G219DAA	MW-219	05/29/2002	PROFILE	195.00	195.00	8.00	8.00	OC21V	ACETONE	
G219DAA	MW-219	05/29/2002	PROFILE	195.00	195.00	8.00	8.00	OC21V	METHYL ETHYL KETONE (2-BUT	
G219DAA	MW-219	05/29/2002	PROFILE	195.00	195.00	8.00	8.00	OC21V	METHYL ISOBUTYL KETONE (4-M	
G219DBA	MW-219	05/30/2002	PROFILE	200.00	200.00	13.00	13.00	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES*
G219DBA	MW-219	05/30/2002	PROFILE	200.00	200.00	13.00	13.00	8330N	2,6-DINITROTOLUENE	NO
G219DBA	MW-219	05/30/2002	PROFILE	200.00	200.00	13.00	13.00	8330N	2-NITROTOLUENE	NO
G219DBA	MW-219	05/30/2002	PROFILE	200.00	200.00	13.00	13.00	8330N	3-NITROTOLUENE	NO

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BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET
PDA/YES = Photo Diode Array, Detect Confirmed
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* = Interference in sample

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 05/04/02 - 05/24/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G219DBA	MW-219	05/30/2002	PROFILE	200.00	200.00	13.00	13.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G219DBA	MW-219	05/30/2002	PROFILE	200.00	200.00	13.00	13.00	8330N	4-NITROTOLUENE	NO
G219DBA	MW-219	05/30/2002	PROFILE	200.00	200.00	13.00	13.00	8330N	NITROGLYCERIN	NO
G219DBA	MW-219	05/30/2002	PROFILE	200.00	200.00	13.00	13.00	8330N	PICRIC ACID	NO
G219DCA	MW-219	05/30/2002	PROFILE	210.00	210.00	23.00	23.00	8330N	2,6-DINITROTOLUENE	YES*
G219DCA	MW-219	05/30/2002	PROFILE	210.00	210.00	23.00	23.00	8330N	2-NITROTOLUENE	NO
G219DCA	MW-219	05/30/2002	PROFILE	210.00	210.00	23.00	23.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G219DCA	MW-219	05/30/2002	PROFILE	210.00	210.00	23.00	23.00	8330N	NITROGLYCERIN	NO
G219DCA	MW-219	05/30/2002	PROFILE	210.00	210.00	23.00	23.00	8330N	PICRIC ACID	NO
G219DDA	MW-219	05/30/2002	PROFILE	220.00	220.00	33.00	33.00	8330N	2,6-DINITROTOLUENE	YES*
G219DDA	MW-219	05/30/2002	PROFILE	220.00	220.00	33.00	33.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G219DDA	MW-219	05/30/2002	PROFILE	220.00	220.00	33.00	33.00	8330N	4-NITROTOLUENE	NO
G219DDA	MW-219	05/30/2002	PROFILE	220.00	220.00	33.00	33.00	8330N	NITROGLYCERIN	NO
G219DDA	MW-219	05/30/2002	PROFILE	220.00	220.00	33.00	33.00	8330N	PICRIC ACID	NO
G219DEA	MW-219	05/30/2002	PROFILE	230.00	230.00	43.00	43.00	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES*
G219DEA	MW-219	05/30/2002	PROFILE	230.00	230.00	43.00	43.00	8330N	2,6-DINITROTOLUENE	NO*
G219DEA	MW-219	05/30/2002	PROFILE	230.00	230.00	43.00	43.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO*
G219DEA	MW-219	05/30/2002	PROFILE	230.00	230.00	43.00	43.00	8330N	4-NITROTOLUENE	NO
G219DEA	MW-219	05/30/2002	PROFILE	230.00	230.00	43.00	43.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO*
G219DEA	MW-219	05/30/2002	PROFILE	230.00	230.00	43.00	43.00	8330N	NITROGLYCERIN	NO
G219DEA	MW-219	05/30/2002	PROFILE	230.00	230.00	43.00	43.00	8330N	PICRIC ACID	NO
G219DFA	MW-219	05/30/2002	PROFILE	240.00	240.00	53.00	53.00	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES*
G219DFA	MW-219	05/30/2002	PROFILE	240.00	240.00	53.00	53.00	8330N	2,6-DINITROTOLUENE	NO*
G219DFA	MW-219	05/30/2002	PROFILE	240.00	240.00	53.00	53.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G219DFA	MW-219	05/30/2002	PROFILE	240.00	240.00	53.00	53.00	8330N	4-NITROTOLUENE	NO
G219DFA	MW-219	05/30/2002	PROFILE	240.00	240.00	53.00	53.00	8330N	NITROGLYCERIN	NO
G219DFA	MW-219	05/30/2002	PROFILE	240.00	240.00	53.00	53.00	8330N	PICRIC ACID	NO
G220DAA	MW-220	05/28/2002	PROFILE	140.00	140.00	12.00	12.00	8330N	2-NITROTOLUENE	NO
G220DAA	MW-220	05/28/2002	PROFILE	140.00	140.00	12.00	12.00	8330N	4-NITROTOLUENE	NO
G220DAA	MW-220	05/28/2002	PROFILE	140.00	140.00	12.00	12.00	8330N	NITROGLYCERIN	NO
G220DAA	MW-220	05/28/2002	PROFILE	140.00	140.00	12.00	12.00	8330N	PICRIC ACID	NO

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 05/04/02 - 05/24/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G220DBA	MW-220	05/28/2002	PROFILE	150.00	150.00	22.00	22.00	8330N	2-NITROTOLUENE	NO
G220DBA	MW-220	05/28/2002	PROFILE	150.00	150.00	22.00	22.00	8330N	4-NITROTOLUENE	NO
G220DBA	MW-220	05/28/2002	PROFILE	150.00	150.00	22.00	22.00	8330N	NITROGLYCERIN	NO
G220DBA	MW-220	05/28/2002	PROFILE	150.00	150.00	22.00	22.00	8330N	PICRIC ACID	NO
G220DCA	MW-220	05/28/2002	PROFILE	160.00	160.00	32.00	32.00	8330N	2-NITROTOLUENE	NO
G220DCA	MW-220	05/28/2002	PROFILE	160.00	160.00	32.00	32.00	8330N	4-NITROTOLUENE	NO
G220DCA	MW-220	05/28/2002	PROFILE	160.00	160.00	32.00	32.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G220DCA	MW-220	05/28/2002	PROFILE	160.00	160.00	32.00	32.00	8330N	NITROGLYCERIN	NO
G220DCA	MW-220	05/28/2002	PROFILE	160.00	160.00	32.00	32.00	8330N	PICRIC ACID	NO
G220DDA	MW-220	05/28/2002	PROFILE	170.00	170.00	42.00	42.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G220DDA	MW-220	05/28/2002	PROFILE	170.00	170.00	42.00	42.00	8330N	NITROGLYCERIN	NO
G220DDA	MW-220	05/28/2002	PROFILE	170.00	170.00	42.00	42.00	8330N	PICRIC ACID	NO
G220DEA	MW-220	05/28/2002	PROFILE	180.00	180.00	52.00	52.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G220DEA	MW-220	05/28/2002	PROFILE	180.00	180.00	52.00	52.00	8330N	NITROGLYCERIN	NO
G220DEA	MW-220	05/28/2002	PROFILE	180.00	180.00	52.00	52.00	8330N	PICRIC ACID	NO
G220DFA	MW-220	05/28/2002	PROFILE	190.00	190.00	62.00	62.00	8330N	NITROGLYCERIN	NO
G220DGA	MW-220	05/29/2002	PROFILE	200.00	200.00	72.00	72.00	8330N	NITROGLYCERIN	NO
G220DGA	MW-220	05/29/2002	PROFILE	200.00	200.00	72.00	72.00	8330N	PICRIC ACID	NO
G220DHA	MW-220	05/29/2002	PROFILE	210.00	210.00	82.00	82.00	8330N	NITROGLYCERIN	NO
G220DIA	MW-220	05/29/2002	PROFILE	220.00	220.00	92.00	92.00	8330N	2,6-DINITROTOLUENE	YES*
G220DIA	MW-220	05/29/2002	PROFILE	220.00	220.00	92.00	92.00	8330N	4-NITROTOLUENE	NO
G220DIA	MW-220	05/29/2002	PROFILE	220.00	220.00	92.00	92.00	8330N	NITROGLYCERIN	NO
G220DIA	MW-220	05/29/2002	PROFILE	220.00	220.00	92.00	92.00	8330N	PICRIC ACID	NO
G220DLA	MW-220	05/29/2002	PROFILE	250.00	250.00	122.00	122.00	8330N	PICRIC ACID	NO
G220DOA	MW-220	05/30/2002	PROFILE	280.00	280.00	152.00	152.00	8330N	NITROGLYCERIN	NO
G220DOA	MW-220	05/30/2002	PROFILE	280.00	280.00	152.00	152.00	8330N	PICRIC ACID	NO

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