

**WEEKLY PROGRESS UPDATE
FOR APRIL 22 – APRIL 26, 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 April 22 through April 26, 2002.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of April 26 is summarized in Table 1.

Table 1. Drilling progress as of April 26, 2002				
Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-211	Demo Area 1 (D1P-10)	331	188	150-160; 175-185; 200-210
MW-212	Central Impact Area (CIAP-13)	368	160	
MW-213	Central Impact Area (CIAP-26)	246	197	
MW-214	Demo Area 1 (D1P-11)	90	2	
02-07	Bourne monitoring well	151	119	
02-10	Bourne monitoring well	159	120	85-95; 110-120; 135-145
02-15	Bourne monitoring well	70	20	
bgs = below ground surface bwt = below water table				

Completed installation of wells MW-211 (D1P-10) and Bourne well 02-10, commenced installation of Bourne well 02-07, completed drilling of wells MW-212 (CIAP-13), and MW-213 (CIAP-26), and commenced drilling of MW-214 (D1P-11) and Bourne well 02-15. Continued well development for newly installed wells.

Samples collected during the reporting period are summarized in Table 2. Groundwater profile samples were collected from wells MW-212 and 02-15. Groundwater samples were collected from the Bourne water supply wells and from six Bourne water system distribution points. Groundwater samples were collected for preliminary rounds at newly installed Bourne 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 grids at Former E, Former R, I Range, Skeet Range 1, BA-1 Grenade Court, Succonsett Pond, Cleared Areas 1 and 7, Mock Village and Demo Area 3 as part of the Supplemental Phase IIb soil sampling. Soil samples were collected from gun firing positions GP-6, GP-7, and GP-8 as part of the Gun and Mortar Firing Positions Additional Characterization soil sampling. Post-detonation soil samples were collected in the Central Impact Area.

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

The Guard, EPA, and MADEP had a meeting on April 25 to discuss technical issues, including the following:

Attendees

Ben Gregson (IAGWSPO)	MAJ Bill Meyer (IAGWSPO)	Tina Dolen (IAGWSPO)
Karen Wilson (IAGWSPO)	Dave Hill (IAGWSPO)	LTC Bill FitzPatrick (MAARNG)
Todd Borci (EPA)	Desiree Moyer (EPA)	Len Pinaud (MADEP)
Mark Panni (MADEP)	Darrell Deleppo (ACE)	Ed Wise (ACE)
Gina Tyo (ACE)	Heather Sullivan (ACE)	Frank Fedele (ACE)
Don Walter (USGS-phone)	Marc Grant (AMEC)	John Rice (AMEC)
Herb Colby (AMEC)	Jay Clausen (AMEC-phone)	Mark Applebee (AMEC)
Peter Redmond (Tt)	Susan Stewart (Tt-phone)	Dave Williams (MDPH)
Ken Gaynor (Jacobs)	Adam Balogh (TRC-phone)	Leo Yuskus (Haley and Ward)
Ralph Marks (Bourne Water District)		Mike Minor (AFCEE)

Punchlist Items

- #2 Provide summary of RAD results for MW-181 (AMEC). Summary write-up and validated data scheduled to be provided by 4/26/02.
- #3 Provide all test results from chemical monitoring wells for WS-1, -2, -3 (JPO). LTC FitzPatrick (MAARNG) indicated that he would continue to make every effort to obtain the results from the most recent sampling event. Todd Borci (EPA) expressed concern that the results are not available.
- #6 Provide corrective action report for rejected perchlorate result at Old Snake Pond private well. (AMEC). Corrective action report provided on Friday, 4/19/02.
- #7 Provide J2 Range Polygon 2 site plan including downgradient monitoring well locations (Corps). The Corps indicated that the plan would be provided on 4/25/02 via e-mail.
- #8 Provide submittal date of USGS Letter Report on Snake Pond Diffuser/Drive Point Results (IAGWSPO). Dave Hill (IAGWSPO) indicated that the USGS Letter Report would be submitted at the end of May 2002. Mr. Borci inquired whether the report would include the drive point results. Mr. Hill indicated that the drive point results would not be included, but that results from USGS investigations would be included in the upcoming J Range Report. Mr. Borci agreed with the proposed approach.

Munitions Survey Project and Southeast Ranges Update

Peter Redmond (Tetra Tech) provided an update on the ongoing tasks.

- All J2 Range Sandwich Protocol polygons have been completed except Polygon 32, which contains burned material.
- J2 Range Polygon 2 work is ongoing on anomalies A-X. Most of these anomalies contain burned material, burials or both; therefore the work is proceeding in cautious and slow manner.
- Asbestos is suspected to be present in polygon 2F. Mr. Borci expressed concern regarding worker health and safety based on the unknown nature of potential contamination associated with the burned material present and requested that the Corps and Tetra Tech evaluate the current approach and provide an update at the 5/2/02 technical meeting.

Munitions Survey Project Eastern Ranges Site Picks from Anomalies.

Gina Tyo (Corps) indicated that all the data has not been processed, therefore the results will be provided prior to next week's technical meeting. This topic will be an agenda item for the 5/2/02 technical meeting.

Central Impact Area Update

John Rice (AMEC) provided an update on the Central Impact Area activities.

- Drilling was completed at CIAP-13.
- Drill pad for CIAP-23 was completed.
- Record of Action is being prepared for CIAP-25.
- UXO clearance is ongoing at CIAP-12 and CIAP-24.

Heather Sullivan (Corps) suggested that installation of CIAP-14 is not currently needed based on non-detects in MW-203 (all screens) and continued non-detects in MW-41. Mr. Borci agreed to hold off on proceeding with CIAP-14 at this time.

J Ranges Groundwater Detection Maps Revisions

Herb Colby (AMEC) distributed several figures depicting contaminant distribution in groundwater in plan view and cross-section. Comments on these figures will be discussed at the 5/2/02 technical meeting and will ultimately be included in the J1/3/L Ranges Additional Delineation Report scheduled to be submitted on 5/23/02. Mr. Colby indicated that the elevations for MW-187 through MW-198 will change slightly once survey data is available and additional perchlorate cross-sections will be provided in the future. Mr. Colby indicated that the extent of perchlorate has expanded at the J3 Range due to the elevated detection in MW-198.

Archive Search Report (ASR)

Mr. Borci inquired about the status of the ASR interviews and the next steps.

- Ms. Tyo indicated that Tetra Tech is working on prioritizing the list of approximately 50 additional interview candidates. The approach for the next set of interviews will be discussed with the agencies prior to moving forward. Ms. Tyo indicated that 6 additional people have been identified that have information relative to the Gun and Mortar positions and the interviews will move forward.
- The Guard is awaiting EPA comments prior to finalization of the ASR. Mr. Borci indicated that the ASR contained information pertaining to Navy training conducted in the 1940-50 timeframe that may be relevant to the investigations of potential sources of perchlorate. Mr. Borci will provide pertinent information to Ms. Tyo for review.

Perchlorate Sampling Plan

Mr. Borci requested the Guard to provide a plan for sampling of soil and groundwater for perchlorate.

- Ms. Sullivan stated that a site-wide evaluation of soil and groundwater would likely be conducted for Camp Edwards and a sampling plan developed for perchlorate to supplement existing plans. Mr. Borci requested that the Guard/Corps present a perchlorate sampling approach for soil and groundwater at the 5/2/02 technical meeting.
- Mr. Borci asked the status of perchlorate sampling of the Range Control well and installation of the RRA response well. Mr. Rice indicated that the Range Control well had recently been or would soon be sampled for perchlorate and the RRA response well was a priority and would likely be installed within the next few weeks.

Document Status and Schedule

Marc Grant (AMEC) reviewed the document and schedule status. Outstanding items were addressed as follows:

Documents Having Comments

MSP Phase I Report – New MOR to be provided by Tetra Tech in about 1 month.

MSP Phase 2 Letter Reports (Demo 1, ASP, Former K, Slit Trench, and Former A) – Mr. Borci (EPA) indicated that MOR review would be completed by mid May and requested that if required sooner for any site to let him know.

CDC Test Results Report – Mr. Borci to check status of comments.

Central Impact Area Soil Report (Revised TM 01-13) – Desiree Moyer (EPA) indicated that MOR approval would be provided on 4/25/02.

Work Plan for AirMag Completion Investigation – Tetra Tech indicated that the MOR would be submitted on 4/25/02.

TM 02-1 Former A, K, Demo 2 Report – EPA indicated that a conditional approval of the MOR would be provided next week.

HUTA Report – CRM scheduled for 5/2/02.

Documents Needing Comments

Draft Revised ASR – EPA views the ASR as a “working document” and plans to provide comments soon.

Lab Fate & Transport Study – EPA comments to be provided by 5/3/02. DEP comment received.

MSP 3 Deep Bottom Pond Work Plan – EPA Comments may be provided by 5/3/02.

- Mr. Grant indicated that an extension request would be submitted for the Central Impact Area Groundwater Feasibility Study due to on ongoing characterization efforts.
- Len Pinaud (MADEP) indicated that they submitted comments on the CIA Soil Sampling Plan for perchlorate and TM 01-7 UXO Technology Screening Report last week.

Error Bars on Analytical Results

Ben Gregson (IAGWSPO) indicated that a citizen had questioned the need for error bars on analytical results at the 4/23/02 IART meeting and had follow-up discussion with Tina Dolen (IAGWSPO). Mr. Gregson suggested convening a technical group to evaluate these questions. Mr. Borci requested that the Guard provide an e-mail identifying the specific questions prior to determining the need for and representatives on such a group. Mr. Borci also indicated that EPA is planning to conduct an audit of the laboratory performing the perchlorate analyses (Ceimic).

Mapping for Water Districts

Mr. Gregson indicated that the Guard plans to develop maps for the water districts. The maps would follow the monthly map format and would only show wells in the ZOC or some reasonable distance from the ZOC. Text summarizing the results and tables containing all data would be provided in conjunction with the maps. Mr. Gregson to check into getting on the agenda for the Co-op to discuss this topic with the water districts to determine need and content.

Bourne Well Update

Mr. Gregson led the discussion on the Bourne Water Update. This update to provided at 11am Thursday weekly, indefinitely.

Mr. Rice provided the following update of the investigation status.

- 02-15 on Spinnaker Lane is currently being drilled.
- MW-213 (between MW-80 and MW-81) profile results should be available soon and a screen selection call will be conducted.
- Installation of wells at 02-10 is ongoing.
- Completed sampling of 02-1, 2, 3 and 5. MW 02-1 results were ND for explosives and perchlorate. Results for other wells will be available soon.
- 02-12 and 02-13 have been developed and will be sampled soon, hopefully by 4/26/02.
- Updated cross-sections were handed out.
- AMEC indicated that Ceimic plans to bring another instrument on-line shortly to handle the volume of perchlorate samples. AMEC is also pursuing another laboratory as a stopgap measure to meet the current demand.

- Leo Yuskus (Haley and Ward) asked about the status of confirmatory samples to provide assurance of Ceimic results. Mr. Grant indicated that a plan has not been finalized, but a new lab running EPA Method 314 is being considered. A MDL study must be provided to and approved by EPA prior to proceeding.
- Mr. Yuskus requested that the sampling schedule be re-evaluated and updated, and specifically requested that 02-12 and 02-13 be sampled weekly as sentry wells for Bourne Water Supply Well #1. Mr. Gregson agreed with weekly sampling of 02-13, but deferred decision on 02-12 until further review was completed.
- Mr. Yuskus indicated that Bourne Water Supply Well #6 may be needed to provide water in May, therefore he requested that the Guard sample existing observation wells around Well #6 prior to and after pumping the well to waste for approximately 7 days. This data would provide documentation to support the use of Well #6. Mr. Gregson agreed to conduct the sampling and analysis. Mr. Rice indicated that it would make sense to conduct the requested sampling in conjunction with the monthly sampling round for the observation wells, which is scheduled for next week or the following week. Mr. Yuskus to check on timing and get back to the Guard.
- Mr. Yuskus requested that the Guard evaluate the monitoring wells upgradient of WS-4 that should be sampled for perchlorate. Bill Gallagher (IAGWSPO) indicated that the RRA well, which will be installed in the next two weeks, is upgradient. The Guard agreed to evaluate the upgradient wells and sample appropriate wells as necessary.
- Mr. Yuskus asked for an update on the new upgradient wells for WS-4. Handout of proposed locations was provided. Several options for well locations were discussed.
- It was agreed to proceed with the ROA process for WS4P-1, which is located on an existing road. The proposed location of WSP4-2 is in a forested area making access difficult. Mr. Yuskus will discuss potential locations for WSP4-2 with MADEP.
- Mr. Yuskus requested that the Guard consider installing a monitoring well fence between the Far Field and the sentry wells to provide additional data regarding the distribution of perchlorate. If higher concentrations of perchlorate are currently present between the Far Field and sentry wells, the Water District would like to know it now instead of waiting for the potentially higher concentrations to reach the sentry wells. Mr. Gregson suggested that further discussion of the need for this additional well fence be delayed until results from MW-213 and other agreed upon investigations are reviewed.

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; 4036000-06G had detections of chloroform. The results were similar to previous sampling rounds.
- Groundwater samples from Bourne supply well 4036000-04G had detections of 2-chloroethyl vinyl ether and chloroform. This is the first time 2-chloroethyl vinyl ether has been detected in this well.
- Groundwater samples from 90MW0054 (Snake Pond Area), MW-162M2 and MW-139M2 (Demo Area 1) had detections of perchlorate. The results were similar to previous sampling rounds.
- Groundwater samples from MW-139M1 (Demo Area 1) and MW-142M2 (SE Corner of the Ranges) had detections of perchlorate. This is the first time perchlorate has been detected in these wells.
- Groundwater samples from Bourne monitoring well 02-03M2 had a detection of perchlorate. This is the first sampling event for this well. Perchlorate was not detected in this interval in profile results.
- Water samples from Bourne Water District's Boulder distribution station (BOULDER-DSTA) had detections of 2,6-DNT and nitroglycerin. A duplicate sample had detections of 2A-DNT and nitroglycerin. The detection of 2,6-DNT was confirmed by PDA spectra, but with interference. This is the first sampling event at this location.
- Groundwater samples from Bourne monitoring wells 02-02M1, M2, S; 02-05M1, M2, M3; 02-09M1; and 02-12M1, M2, M3 had detections of chloroform. This is the first sampling event for these wells and the results were consistent with the profile results.
- Groundwater samples from MW-165M2 (Demo Area 1) had detections of RDX, HMX and MNX that were confirmed by PDA spectra. This is the first analysis for the extended explosives method. The results for RDX and HMX were similar to previous sampling rounds.
- Groundwater samples from MW-143M2 (SE Corner of the Ranges) had detections of RDX and HMX that were confirmed by PDA spectra. The results were similar to previous sampling rounds.
- Water samples of the influent for the Central Impact Area 72-hour column test (CTPW1INFO, 26, 50) had detections of RDX and HMX that were confirmed by PDA spectra.
- Groundwater samples from MW-143M3 (SE Corner of the Ranges) had a detection of RDX that was confirmed by PDA spectra. The results were similar to previous sampling rounds.
- Groundwater samples from MW-207M1, M2 (Central Impact Area) had detections of RDX that were confirmed by PDA spectra. This is the first sampling event for these wells and the results were consistent with the profile results.

- Groundwater profile samples from 02-10 (Bourne) had detections of acetone (1 interval) and chloroform (1 interval).
- Groundwater profile samples from 02-15 (Bourne) had a detection of chloroform (1 interval).
- Groundwater profile samples from MW-212 (Central Impact Area) had detections of 1,3,5-trinitrobenzene (3 intervals), 1,3-dinitrobenzene (3 intervals), 2,6-DNT (2 intervals), 2-nitrotoluene (4 intervals), 4A-DNT (6 intervals), 4-nitrotoluene (6 intervals), RDX (5 intervals), nitrobenzene (1 interval), nitroglycerin (15 intervals), and picric acid (7 intervals). The detections of 2,6-DNT were 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-213 (Far Field Wells) had detections of 2,4-DANT (1 interval), 2,6-DNT (2 intervals), 2-nitrotoluene (1 interval), 4-nitrotoluene (4 intervals), nitroglycerin (7 intervals), picric acid (6 intervals), perchlorate (4 intervals), acetone (9 intervals), and chloroform (10 intervals). The detections of 2,6-DNT were confirmed by PDA spectra, but with interference.

3. DELIVERABLES SUBMITTED

Final Gun and Mortar Firing Positions Additional Characterization Workplan

04/25/02

4. SCHEDULED ACTIONS

Scheduled actions for the week of April 29 include complete installation of wells MW-212 (CIAP-13), MW-213 (CIAP-26) and 02-07 (Bourne), complete drilling of 02-15 (Bourne) and MW-214 (D1P-11), and commence drilling of RRAP-1 (Containment Pad) and J2P-16 (Former K Range). Complete Supplemental Phase IIB soil sampling, continue Gun and Mortar Firing Positions soil sampling, and commence soil sampling at J-1, J-3 and L Ranges.

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. Well installation was completed at D1P-10 (MW-211) located on Pew Road. Drilling commenced for well D1P-11 (MW-214) located on Frank Perkins Road. Planning efforts were initiated to locate additional monitoring wells west of Pew Road. Magnetic anomaly investigations in accordance with the Post-Screening Investigation Work Plan were initiated.

TABLE 2
 SAMPLING PROGRESS
 04/20/2002 - 04/26/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HCA04220202AA	A04220202	04/26/2002	CRATER GRAB				
HDA04220202AA	A04220202	04/26/2002	CRATER GRAB				
4036000-06T	FIELDQC	04/24/2002	FIELDQC	0.00	0.00		
90MW0054E	FIELDQC	04/20/2002	FIELDQC	0.00	0.00		
90WT0008E	FIELDQC	04/23/2002	FIELDQC	0.00	0.00		
G02-15DAT	FIELDQC	04/25/2002	FIELDQC	0.00	0.00		
G02-15DBE	FIELDQC	04/26/2002	FIELDQC	0.00	0.00		
G212DJE	FIELDQC	04/23/2002	FIELDQC	0.00	0.00		
G212DOE	FIELDQC	04/24/2002	FIELDQC	0.00	0.00		
HC170B1AAE	FIELDQC	04/24/2002	FIELDQC	0.00	0.00		
HC171A1CAE	FIELDQC	04/22/2002	FIELDQC	0.00	0.00		
HC171D1BAE	FIELDQC	04/23/2002	FIELDQC	0.00	0.00		
HC17K1AAE	FIELDQC	04/25/2002	FIELDQC	0.00	0.00		
HC58G1BAE	FIELDQC	04/26/2002	FIELDQC	0.00	0.00		
HD137D1CAE	FIELDQC	04/25/2002	FIELDQC	0.00	0.00		
HD137E1AAE	FIELDQC	04/26/2002	FIELDQC	0.00	0.00		
W02-02M2T	FIELDQC	04/22/2002	FIELDQC	0.00	0.00		
W02-05M1T	FIELDQC	04/23/2002	FIELDQC	0.00	0.00		
W02-13M1E	FIELDQC	04/26/2002	FIELDQC	0.00	0.00		
W02-13M1T	FIELDQC	04/26/2002	FIELDQC	0.00	0.00		
13BELL-DSTA	13BELL-DST	04/24/2002	GROUNDWATER				
211BARLOW-DSTA	211BARLOW-DST	04/24/2002	GROUNDWATER				
4036000-01G	4036000-01G	04/24/2002	GROUNDWATER				
4036000-03G	4036000-03G	04/24/2002	GROUNDWATER				
4036000-04G	4036000-04G	04/24/2002	GROUNDWATER				
4036000-06G	4036000-06G	04/24/2002	GROUNDWATER				
90MW0054	90MW0054	04/20/2002	GROUNDWATER	107.00	112.00	91.83	96.83
90MW0063	90MW0063	04/20/2002	GROUNDWATER	50.00	55.00	32.50	37.50
90MW0070	90MW0070	04/20/2002	GROUNDWATER	132.50	137.50	78.00	83.00
90MW0071	90MW0071	04/20/2002	GROUNDWATER	150.00	155.00	82.00	87.00
90MW0071D	90MW0071	04/20/2002	GROUNDWATER	150.00	155.00	82.00	87.00
90WT0008	90WT0008	04/23/2002	GROUNDWATER	57.00	67.00	0.00	10.00
BOULDER-DSTA	BOULDER-DST	04/24/2002	GROUNDWATER				
BOULDER-DSTD	BOULDER-DST	04/24/2002	GROUNDWATER				
MASSASOIT-DSTA	MASSASOIT-DST	04/24/2002	GROUNDWATER				
SAGAMORE-DSTA	SAGAMORE-DST	04/24/2002	GROUNDWATER				
W02-02M1A	02-02	04/22/2002	GROUNDWATER	114.50	124.50	63.50	73.50
W02-02M2A	02-02	04/22/2002	GROUNDWATER	94.50	104.50	42.65	52.65
W02-02SSA	02-02	04/22/2002	GROUNDWATER	49.50	59.50	0.00	10.00
W02-05M1A	02-05	04/23/2002	GROUNDWATER	110.00	120.00	81.44	91.44
W02-05M2A	02-05	04/23/2002	GROUNDWATER	92.00	102.00	63.41	73.41

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
 04/20/2002 - 04/26/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W02-05M3A	02-05	04/22/2002	GROUNDWATER	70.00	80.00	41.37	51.37
W02-05M3A	02-05	04/23/2002	GROUNDWATER	70.00	80.00	41.37	51.37
W02-09M1A	02-09	04/25/2002	GROUNDWATER	74.00	84.00	65.26	75.26
W02-09M2A	02-09	04/26/2002	GROUNDWATER	59.00	69.00	50.30	60.30
W02-09SSA	02-09	04/26/2002	GROUNDWATER	7.00	17.00	0.00	10.00
W02-12M1A	02-12	04/25/2002	GROUNDWATER	109.00	119.00	58.35	68.35
W02-12M2A	02-12	04/25/2002	GROUNDWATER	94.00	104.00	43.21	53.21
W02-12M3A	02-12	04/25/2002	GROUNDWATER	79.00	89.00	28.22	38.22
W02-13M1A	02-13	04/26/2002	GROUNDWATER	98.00	108.00	58.33	68.33
W153M1A	MW-153	04/26/2002	GROUNDWATER	199.00	209.00	108.00	118.00
W153M2A	MW-153	04/26/2002	GROUNDWATER	144.00	154.00	53.00	63.00
W153M3A	MW-153	04/26/2002	GROUNDWATER	124.00	134.00	33.00	43.00
W153M3D	MW-153	04/26/2002	GROUNDWATER	124.00	134.00	33.00	43.00
W157DDA	MW-157	04/26/2002	GROUNDWATER	209.00	219.00	193.64	203.64
W157M1A	MW-157	04/26/2002	GROUNDWATER	154.00	164.00	144.00	154.00
W157M1D	MW-157	04/26/2002	GROUNDWATER	154.00	164.00	138.70	148.70
W157M2A	MW-157	04/26/2002	GROUNDWATER	110.00	120.00	100.00	110.00
W173M1A	MW-173	04/23/2002	GROUNDWATER	243.00	253.00	104.20	114.20
W19DDA	MW-19	04/23/2002	GROUNDWATER	293.00	298.00	254.00	259.00
W31DDA	MW-31	04/22/2002	GROUNDWATER	133.00	138.00	48.00	53.00
W31MMA	MW-31	04/22/2002	GROUNDWATER	161.50	171.50	28.00	38.00
W31MMD	MW-31	04/22/2002	GROUNDWATER	161.50	171.50	28.00	38.00
W32DDA	MW-32	04/22/2002	GROUNDWATER	181.50	186.50	85.00	90.00
W32MMA	MW-32	04/22/2002	GROUNDWATER	161.50	171.50	65.00	75.00
W33DDA	MW-33	04/23/2002	GROUNDWATER	181.50	186.50	85.00	90.00
W33MMA	MW-33	04/23/2002	GROUNDWATER	161.50	171.50	65.00	75.00
W33SSA	MW-33	04/23/2002	GROUNDWATER	146.50	151.50	50.00	55.00
W34M1A	MW-32	04/24/2002	GROUNDWATER	151.00	161.00	73.00	83.00
W34M2A	MW-32	04/24/2002	GROUNDWATER	131.00	141.00	53.00	63.00
W34M3A	MW-32	04/24/2002	GROUNDWATER	111.00	121.00	33.00	43.00
W35M1A	MW-35	04/24/2002	GROUNDWATER	155.00	165.00	68.00	78.00
W35M2A	MW-35	04/24/2002	GROUNDWATER	100.00	110.00	13.00	23.00
W36M1A	MW-36	04/24/2002	GROUNDWATER	151.00	161.00	74.00	84.00
W36M2A	MW-36	04/24/2002	GROUNDWATER	131.00	141.00	54.00	64.00
W74M1A	MW-74	04/25/2002	GROUNDWATER	170.00	180.00	76.00	86.00
W74M2A	MW-74	04/25/2002	GROUNDWATER	125.00	135.00	31.00	41.00
W75M1A	MW-75	04/24/2002	GROUNDWATER	140.00	150.00	59.00	69.00
W75M2A	MW-75	04/25/2002	GROUNDWATER	115.00	125.00	34.00	44.00
W75M2A	MW-75	04/25/2002	GROUNDWATER	115.00	125.00	34.00	44.00
W76M1A	MW-76	04/24/2002	GROUNDWATER	140.00	150.00	58.00	68.00
W76M2A	MW-76	04/24/2002	GROUNDWATER	105.00	115.00	38.00	48.00

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
 04/20/2002 - 04/26/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W76SSA	MW-76	04/24/2002	GROUNDWATER	85.00	95.00	18.00	28.00
W77M1A	MW-77	04/24/2002	GROUNDWATER	180.00	190.00	98.00	108.00
W77M2A	MW-77	04/24/2002	GROUNDWATER	120.00	130.00	38.00	48.00
W78M1A	MW-78	04/25/2002	GROUNDWATER	135.00	145.00	58.00	68.00
W78M2A	MW-78	04/25/2002	GROUNDWATER	115.00	125.00	38.00	48.00
W78M3A	MW-78	04/25/2002	GROUNDWATER	85.00	95.00	8.00	18.00
W79M1A	MW-79	04/25/2002	GROUNDWATER	156.00	126.00	67.00	77.00
W79M2A	MW-79	04/25/2002	GROUNDWATER	116.00	126.00	27.00	37.00
WIMBREL-DSTA	WIMBREL-DSTA	04/24/2002	GROUNDWATER				
DW042302	GAC WATER	04/23/2002	IDW	0.00	0.00		
DW042402	GAC WATER	04/24/2002	IDW	0.00	0.00		
DW042602	GAC WATER	04/26/2002	IDW	0.00	0.00		
G02-15DAA	02-15	04/25/2002	PROFILE	50.00	50.00	0.00	10.00
G02-15DAA	02-15	04/26/2002	PROFILE	50.00	50.00	0.00	10.00
G02-15DBA	02-15	04/26/2002	PROFILE	60.00	60.00	9.80	9.80
G212DIA	MW-212	04/23/2002	PROFILE	300.00	300.00	91.70	91.70
G212DJA	MW-212	04/23/2002	PROFILE	310.00	310.00	101.70	101.70
G212DKA	MW-212	04/23/2002	PROFILE	320.00	320.00	111.70	111.70
G212DLA	MW-212	04/23/2002	PROFILE	330.00	330.00	121.70	121.70
G212DMA	MW-212	04/24/2002	PROFILE	340.00	340.00	131.70	131.70
G212DNA	MW-212	04/24/2002	PROFILE	350.00	350.00	141.70	141.70
G212DOA	MW-212	04/24/2002	PROFILE	360.00	360.00	151.70	151.70
G212DPA	MW-212	04/24/2002	PROFILE	370.00	370.00	161.70	161.70
HC137C1AAA	137C	04/25/2002	SOIL GRID	0.00	0.25		
HC137C1BAA	137C	04/25/2002	SOIL GRID	0.25	0.50		
HC137C1CAA	137C	04/25/2002	SOIL GRID	0.50	1.00		
HC137D1AAA	137D	04/25/2002	SOIL GRID	0.00	0.25		
HC137D1BAA	137D	04/25/2002	SOIL GRID	0.25	0.50		
HC137D1CAA	137D	04/25/2002	SOIL GRID	0.50	1.00		
HC168A1AAA	168A	04/26/2002	SOIL GRID	0.00	0.25		
HC168A1BAA	168A	04/26/2002	SOIL GRID	0.25	0.50		
HC168A1CAA	168A	04/26/2002	SOIL GRID	0.50	1.00		
HC170A1AAA	170A	04/22/2002	SOIL GRID	0.00	0.50		
HC170A1BAA	170A	04/22/2002	SOIL GRID	1.50	2.00		
HC170B1AAA	170B	04/22/2002	SOIL GRID	0.00	0.50		
HC170B1BAA	170B	04/22/2002	SOIL GRID	1.50	2.00		
HC171A1AAA	171A	04/22/2002	SOIL GRID	0.00	0.25		
HC171A1BAA	171A	04/22/2002	SOIL GRID	0.25	0.50		
HC171A1CAA	171A	04/22/2002	SOIL GRID	0.50	1.00		
HC171B1AAA	171B	04/22/2002	SOIL GRID	0.00	0.25		
HC171B1BAA	171B	04/22/2002	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

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

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

TABLE 2
 SAMPLING PROGRESS
 04/20/2002 - 04/26/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC171B1CAA	171B	04/22/2002	SOIL GRID	0.50	1.00		
HC171C1AAA	171C	04/22/2002	SOIL GRID	0.00	0.25		
HC171C1BAA	171C	04/22/2002	SOIL GRID	0.25	0.50		
HC171C1CAA	171C	04/22/2002	SOIL GRID	0.50	1.00		
HC171D1AAA	171D	04/23/2002	SOIL GRID	0.00	0.25		
HC171D1BAA	171D	04/23/2002	SOIL GRID	0.25	0.50		
HC171D1CAA	171D	04/23/2002	SOIL GRID	0.50	1.00		
HC171E1AAA	171E	04/23/2002	SOIL GRID	0.00	0.25		
HC171E1BAA	171E	04/23/2002	SOIL GRID	0.25	0.50		
HC171E1CAA	171E	04/23/2002	SOIL GRID	0.50	1.00		
HC171F1AAA	171F	04/23/2002	SOIL GRID	0.00	0.25		
HC171F1BAA	171F	04/23/2002	SOIL GRID	0.25	0.50		
HC171F1CAA	171F	04/23/2002	SOIL GRID	0.50	1.00		
HC17F1AAA	17F	04/25/2002	SOIL GRID	0.00	0.50		
HC17F1BAA	17F	04/25/2002	SOIL GRID	1.50	2.00		
HC17K1AAA	17K	04/25/2002	SOIL GRID	0.00	0.50		
HC17K1BAA	17K	04/25/2002	SOIL GRID	1.50	2.00		
HC17L1AAA	17L	04/25/2002	SOIL GRID	0.00	0.50		
HC17L1BAA	17L	04/25/2002	SOIL GRID	1.50	2.00		
HC17LB1AAA	17LB	04/26/2002	SOIL GRID	1.50	2.00		
HC17LB1AAD	17LB	04/25/2002	SOIL GRID	1.50	2.00		
HC17LB1BAA	17LB	04/26/2002	SOIL GRID	0.00	0.50		
HC17O1AAA	17O	04/25/2002	SOIL GRID	0.00	0.50		
HC17O1BAA	17O	04/25/2002	SOIL GRID	1.50	2.00		
HC17P1AAA	17P	04/26/2002	SOIL GRID	0.00	0.50		
HC17P1BAA	17P	04/26/2002	SOIL GRID	1.50	2.00		
HC17Q1AAA	17Q	04/25/2002	SOIL GRID	0.00	0.50		
HC17Q1BAA	17Q	04/25/2002	SOIL GRID	1.50	2.00		
HC58A1AAA	58A	04/26/2002	SOIL GRID	0.00	0.50		
HC58A1BAA	58A	04/26/2002	SOIL GRID	1.50	2.00		
HC58C1AAA	58C	04/26/2002	SOIL GRID	0.00	0.50		
HC58C1BAA	58C	04/26/2002	SOIL GRID	1.50	2.00		
HC58E1AAA	58E	04/26/2002	SOIL GRID	0.00	0.50		
HC58E1BAA	58E	04/26/2002	SOIL GRID	1.50	2.00		
HC58G1AAA	58G	04/26/2002	SOIL GRID	0.00	0.50		
HC58G1AAD	58G	04/26/2002	SOIL GRID	0.00	0.50		
HC58G1BAA	58G	04/26/2002	SOIL GRID	1.50	2.00		
HC58H1AAA	58H	04/26/2002	SOIL GRID	0.00	0.50		
HC58H1BAA	58H	04/26/2002	SOIL GRID	1.50	2.00		
HC58I1AAA	58I	04/26/2002	SOIL GRID	0.00	0.50		
HC58I1BAA	58I	04/26/2002	SOIL GRID	1.50	2.00		

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
 04/20/2002 - 04/26/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC59B1AAA	59B	04/26/2002	SOIL GRID	0.00	0.50		
HC59I1AAA	59I	04/26/2002	SOIL GRID	0.00	0.50		
HC59I1BAA	59I	04/26/2002	SOIL GRID	1.50	2.00		
HD08F1AAA	08F	04/23/2002	SOIL GRID	0.00	0.50		
HD08G1AAA	08G	04/23/2002	SOIL GRID	0.00	0.50		
HD08H1AAA	08H	04/23/2002	SOIL GRID	0.00	0.50		
HD129E1AAA	129E	04/24/2002	SOIL GRID	0.00	0.50		
HD129E1BAA	129E	04/24/2002	SOIL GRID	1.50	2.00		
HD129F1AAA	129F	04/24/2002	SOIL GRID	0.00	0.50		
HD129F1BAA	129F	04/24/2002	SOIL GRID	1.50	2.00		
HD129G1AAA	129G	04/24/2002	SOIL GRID	0.00	0.50		
HD129G1BAA	129G	04/24/2002	SOIL GRID	1.50	2.00		
HD137C3AAA	137C	04/25/2002	SOIL GRID	0.00	0.25		
HD137C3BAA	137C	04/25/2002	SOIL GRID	0.25	0.50		
HD137C3CAA	137C	04/25/2002	SOIL GRID	0.50	1.00		
HD137D3AAA	137D	04/25/2002	SOIL GRID	0.00	0.25		
HD137D3BAA	137D	04/25/2002	SOIL GRID	0.25	0.50		
HD137D3CAA	137D	04/25/2002	SOIL GRID	0.50	1.00		
HD137E1AAA	137E	04/24/2002	SOIL GRID	0.00	0.50		
HD137F1AAA	137F	04/24/2002	SOIL GRID	0.00	0.50		
HD138A1DAA	138A	04/23/2002	SOIL GRID	2.00	3.00		
HD138C1AAA	138C	04/23/2002	SOIL GRID	0.00	0.50		
HD138C1BAA	138C	04/23/2002	SOIL GRID	1.50	2.00		
HD138D1AAA	138D	04/23/2002	SOIL GRID	0.00	0.50		
HD138D1BAA	138D	04/23/2002	SOIL GRID	1.50	2.00		
HD144E1AAA	144E	04/26/2002	SOIL GRID	0.00	0.50		
HD144E1BAA	144E	04/26/2002	SOIL GRID	1.50	2.00		
HD144E1BAD	144E	04/26/2002	SOIL GRID	1.50	2.00		
HD144F1AAA	144F	04/26/2002	SOIL GRID	0.00	0.50		
HD144F1BAA	144F	04/26/2002	SOIL GRID	1.50	2.00		
HD168A3AAA	168A	04/26/2002	SOIL GRID	0.00	0.25		
HD168A3BAA	168A	04/26/2002	SOIL GRID	0.25	0.50		
HD168A3CAA	168A	04/26/2002	SOIL GRID	0.50	1.00		
HD170A3AAA	170A	04/22/2002	SOIL GRID	0.00	0.50		
HD170A3BAA	170A	04/22/2002	SOIL GRID	1.50	2.00		
HD170B3AAA	170B	04/22/2002	SOIL GRID	0.00	0.50		
HD170B3BAA	170B	04/22/2002	SOIL GRID	1.50	2.00		
HD171A3AAA	171A	04/22/2002	SOIL GRID	0.00	0.25		
HD171A3BAA	171A	04/22/2002	SOIL GRID	0.25	0.50		
HD171A3CAA	171A	04/22/2002	SOIL GRID	0.50	1.00		
HD171B2AAA	171B	04/22/2002	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

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

TABLE 2
 SAMPLING PROGRESS
 04/20/2002 - 04/26/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD171B3AAA	171B	04/22/2002	SOIL GRID	0.00	0.25		
HD171B3BAA	171B	04/22/2002	SOIL GRID	0.25	0.50		
HD171B3CAA	171B	04/22/2002	SOIL GRID	0.50	1.00		
HD171B3CAD	171B	04/22/2002	SOIL GRID	0.50	1.00		
HD171B4BAA	171B	04/22/2002	SOIL GRID	0.25	0.50		
HD171B5AAA	171B	04/22/2002	SOIL GRID	0.00	0.25		
HD171C3AAA	171C	04/22/2002	SOIL GRID	0.00	0.25		
HD171C3BAA	171C	04/22/2002	SOIL GRID	0.25	0.50		
HD171C3CAA	171C	04/22/2002	SOIL GRID	0.50	1.00		
HD171D1AAA	171D	04/23/2002	SOIL GRID	0.00	0.25		
HD171D3AAA	171D	04/23/2002	SOIL GRID	0.00	0.25		
HD171D3BAA	171D	04/23/2002	SOIL GRID	0.25	0.50		
HD171D3CAA	171D	04/23/2002	SOIL GRID	0.50	1.00		
HD171D3CAD	171D	04/23/2002	SOIL GRID	0.50	1.00		
HD171E1AAA	171E	04/23/2002	SOIL GRID	0.00	0.25		
HD171E3BAA	171E	04/23/2002	SOIL GRID	0.25	0.50		
HD171E3CAA	171E	04/23/2002	SOIL GRID	0.50	1.00		
HD171F1BAA	171F	04/23/2002	SOIL GRID	0.25	0.50		
HD171F1CAA	171F	04/23/2002	SOIL GRID	0.50	1.00		
HD171F3AAA	171F	04/23/2002	SOIL GRID	0.00	0.25		
HD172A1AAA	172A	04/26/2002	SOIL GRID	0.00	0.50		
HD172B1AAA	172A	04/26/2002	SOIL GRID	0.00	0.50		
HD172C1AAA	172A	04/26/2002	SOIL GRID	0.00	0.50		
HD173A1AAA	173A	04/26/2002	SOIL GRID	0.00	0.50		
HD173B1AAA	173B	04/26/2002	SOIL GRID	0.00	0.50		
HD173C1AAA	173C	04/26/2002	SOIL GRID	0.00	0.50		
HD173D1AAA	173D	04/26/2002	SOIL GRID	0.00	0.50		
HD173E1AAA	173E	04/25/2002	SOIL GRID	0.00	0.50		
HD173F1AAA	173F	04/26/2002	SOIL GRID	0.00	0.50		
HD173G1AAA	173G	04/25/2002	SOIL GRID	0.00	0.50		
J2.F.T2I.XC1.1.0	J2 Target 21 Soil	04/22/2002	SOIL GRID	0.00	1.50		
J2.F.T2I.XC1.2.0	J2 Target 21 Soil	04/22/2002	SOIL GRID	1.25	1.50		
J2.F.T33.XC1.1.0	J2 Target 33 Soil	04/23/2002	SOIL GRID	0.00	2.75		
J2.F.T33.XC1.1.D	J2 Target 33 Soil	04/23/2002	SOIL GRID	0.00	2.75		
J2.F.T33.XC1.2.0	J2 Target 33 Soil	04/23/2002	SOIL GRID	2.50	2.75		

Profiling methods include: Volatiles, Explosives and Perchlorate

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

Other Sample Types methods are variable

SBD = Sample Begin Depth, measured in feet bgs

SED = Sample End Depth, measured in feet bgs

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

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

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 04/06/02 - 04/26/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
4036000-01G	4036000-01G	04/24/2002	GROUNDWATER					OM31V	CHLOROFORM	
4036000-03G	4036000-03G	04/24/2002	GROUNDWATER					OM31V	CHLOROFORM	
4036000-04G	4036000-04G	04/24/2002	GROUNDWATER					OC21V	2-CHLOROETHYL VINYL ETHER	
4036000-04G	4036000-04G	04/24/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-06G	4036000-06G	04/24/2002	GROUNDWATER					OC21V	CHLOROFORM	
90MW0054	90MW0054	04/20/2002	GROUNDWATER	107.00	112.00	91.83	96.83	E314.0	PERCHLORATE	
BOULDER-DSTA	BOULDER-DSTA	04/24/2002	GROUNDWATER					8330N	2,6-DINITROTOLUENE	YES*
BOULDER-DSTA	BOULDER-DSTA	04/24/2002	GROUNDWATER					8330N	NITROGLYCERIN	NO
BOULDER-DSTD	BOULDER-DSTA	04/24/2002	GROUNDWATER					8330N	2-AMINO-4,6-DINITROTOLUENE	NO
BOULDER-DSTD	BOULDER-DSTA	04/24/2002	GROUNDWATER					8330N	NITROGLYCERIN	NO
CTPW1INF0	CTPW1INF0	04/16/2002	GROUNDWATER					8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5	YES
CTPW1INF0	CTPW1INF0	04/16/2002	GROUNDWATER					8330N	OCTAHYDRO-1,3,5,7-TETRANITRO	YES
CTPW1INF0D	CTPW1INF0	04/16/2002	GROUNDWATER					8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5	YES
CTPW1INF0D	CTPW1INF0	04/16/2002	GROUNDWATER					8330N	OCTAHYDRO-1,3,5,7-TETRANITRO	YES
CTPW1INF26	CTPW1INF26	04/17/2002	GROUNDWATER					8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5	YES
CTPW1INF26	CTPW1INF26	04/17/2002	GROUNDWATER					8330N	OCTAHYDRO-1,3,5,7-TETRANITRO	YES
CTPW1INF50	CTPW1INF50	04/18/2002	GROUNDWATER					8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5	YES
CTPW1INF50	CTPW1INF50	04/18/2002	GROUNDWATER					8330N	OCTAHYDRO-1,3,5,7-TETRANITRO	YES
CTPW1INF50D	CTPW1INF50	04/18/2002	GROUNDWATER					8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5	YES
CTPW1INF50D	CTPW1INF50	04/18/2002	GROUNDWATER					8330N	OCTAHYDRO-1,3,5,7-TETRANITRO	YES
W02-02M1A	02-02	04/22/2002	GROUNDWATER	114.50	124.50	63.50	73.50	OC21V	CHLOROFORM	
W02-02M2A	02-02	04/22/2002	GROUNDWATER	94.50	104.50	42.65	52.65	OC21V	CHLOROFORM	
W02-02SSA	02-02	04/22/2002	GROUNDWATER	49.50	59.50	0.00	10.00	OC21V	CHLOROFORM	
W02-03M2A	02-03	04/17/2002	GROUNDWATER	92.00	102.00	48.15	58.15	E314.0	PERCHLORATE	
W02-05M1A	02-05	04/23/2002	GROUNDWATER	110.00	120.00	81.44	91.44	OC21V	CHLOROFORM	
W02-05M2A	02-05	04/23/2002	GROUNDWATER	92.00	102.00	63.41	73.41	OC21V	CHLOROFORM	
W02-05M3A	02-05	04/23/2002	GROUNDWATER	70.00	80.00	41.37	51.37	OC21V	CHLOROFORM	
W02-09M1A	02-09	04/25/2002	GROUNDWATER	74.00	84.00	65.26	75.26	OC21V	CHLOROFORM	
W02-12M1A	02-12	04/25/2002	GROUNDWATER	109.00	119.00	58.35	68.35	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 04/06/02 - 04/26/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W02-12M2A	02-12	04/25/2002	GROUNDWATER	94.00	104.00	43.21	53.21	OC21V	CHLOROFORM	
W02-12M3A	02-12	04/25/2002	GROUNDWATER	79.00	89.00	28.22	38.22	OC21V	CHLOROFORM	
W139M1A	MW-139	04/17/2002	GROUNDWATER	194.00	204.00	110.00	120.00	E314.0	PERCHLORATE	
W139M2A	MW-139	04/17/2002	GROUNDWATER	154.00	164.00	70.00	80.00	E314.0	PERCHLORATE	
W142M2A	MW-142	04/16/2002	GROUNDWATER	225.00	235.00	185.00	195.00	E314.0	PERCHLORATE	
W143M2A	MW-143	04/16/2002	GROUNDWATER	117.00	122.00	87.00	92.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5	YES
W143M2A	MW-143	04/16/2002	GROUNDWATER	117.00	122.00	87.00	92.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO	YES
W143M3A	MW-143	04/16/2002	GROUNDWATER	107.00	112.00	77.00	82.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5	YES
W162M2A	MW-162	04/18/2002	GROUNDWATER	125.50	135.50	49.70	59.70	E314.0	PERCHLORATE	
W165M2A	MW-165	04/18/2002	GROUNDWATER	124.50	134.50	46.00	56.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5	YES
W165M2A	MW-165	04/18/2002	GROUNDWATER	124.50	134.50	46.00	56.00	8330NX	HEXAHYDRO-1-MONONITROSO-3	YES
W165M2A	MW-165	04/18/2002	GROUNDWATER	124.50	134.50	46.00	56.00	8330NX	OCTAHYDRO-1,3,5,7-TETRANITRO	YES
W207M1A	MW-207	04/16/2002	GROUNDWATER	245.00	264.00	100.52	119.52	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5	YES
W207M2A	MW-207	04/16/2002	GROUNDWATER	224.00	234.00	79.33	89.33	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5	YES
G02-10DKA	02-10	04/15/2002	PROFILE	150.00	150.00	110.50	110.50	OC21V	ACETONE	
G02-10DKA	02-10	04/15/2002	PROFILE	150.00	150.00	110.50	110.50	OC21V	CHLOROFORM	
G02-15DAA	02-15	04/25/2002	PROFILE	50.00	50.00	0.00	10.00	OC21V	CHLOROFORM	
G212DAA	MW-212	04/18/2002	PROFILE	220.00	220.00	11.70	11.70	8330N	4-NITROTOLUENE	NO
G212DAA	MW-212	04/18/2002	PROFILE	220.00	220.00	11.70	11.70	8330N	NITROGLYCERIN	NO
G212DBA	MW-212	04/18/2002	PROFILE	230.00	230.00	21.70	21.70	8330N	1,3,5-TRINITROBENZENE	NO
G212DBA	MW-212	04/18/2002	PROFILE	230.00	230.00	21.70	21.70	8330N	1,3-DINITROBENZENE	NO
G212DBA	MW-212	04/18/2002	PROFILE	230.00	230.00	21.70	21.70	8330N	2-NITROTOLUENE	NO
G212DBA	MW-212	04/18/2002	PROFILE	230.00	230.00	21.70	21.70	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G212DBA	MW-212	04/18/2002	PROFILE	230.00	230.00	21.70	21.70	8330N	4-NITROTOLUENE	NO
G212DBA	MW-212	04/18/2002	PROFILE	230.00	230.00	21.70	21.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5	NO
G212DBA	MW-212	04/18/2002	PROFILE	230.00	230.00	21.70	21.70	8330N	NITROGLYCERIN	NO
G212DBA	MW-212	04/18/2002	PROFILE	230.00	230.00	21.70	21.70	8330N	PICRIC ACID	NO
G212DCA	MW-212	04/18/2002	PROFILE	240.00	240.00	31.70	31.70	8330N	NITROGLYCERIN	NO
G212DCA	MW-212	04/18/2002	PROFILE	240.00	240.00	31.70	31.70	8330N	PICRIC ACID	NO

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G212DDA	MW-212	04/18/2002	PROFILE	250.00	250.00	41.70	41.70	8330N	1,3,5-TRINITROBENZENE	NO
G212DDA	MW-212	04/18/2002	PROFILE	250.00	250.00	41.70	41.70	8330N	1,3-DINITROBENZENE	NO
G212DDA	MW-212	04/18/2002	PROFILE	250.00	250.00	41.70	41.70	8330N	2,6-DINITROTOLUENE	YES*
G212DDA	MW-212	04/18/2002	PROFILE	250.00	250.00	41.70	41.70	8330N	2-NITROTOLUENE	NO
G212DDA	MW-212	04/18/2002	PROFILE	250.00	250.00	41.70	41.70	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G212DDA	MW-212	04/18/2002	PROFILE	250.00	250.00	41.70	41.70	8330N	4-NITROTOLUENE	NO
G212DDA	MW-212	04/18/2002	PROFILE	250.00	250.00	41.70	41.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-	NO
G212DDA	MW-212	04/18/2002	PROFILE	250.00	250.00	41.70	41.70	8330N	NITROBENZENE	NO
G212DDA	MW-212	04/18/2002	PROFILE	250.00	250.00	41.70	41.70	8330N	NITROGLYCERIN	NO
G212DDA	MW-212	04/18/2002	PROFILE	250.00	250.00	41.70	41.70	8330N	PICRIC ACID	NO
G212DEA	MW-212	04/18/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	1,3,5-TRINITROBENZENE	NO
G212DEA	MW-212	04/18/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	1,3-DINITROBENZENE	NO
G212DEA	MW-212	04/18/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	2,6-DINITROTOLUENE	YES*
G212DEA	MW-212	04/18/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G212DEA	MW-212	04/18/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	4-NITROTOLUENE	NO
G212DEA	MW-212	04/18/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-	NO
G212DEA	MW-212	04/18/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	NITROGLYCERIN	NO
G212DEA	MW-212	04/18/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	PICRIC ACID	NO
G212DFA	MW-212	04/19/2002	PROFILE	270.00	270.00	61.70	61.70	8330N	2-NITROTOLUENE	NO
G212DFA	MW-212	04/19/2002	PROFILE	270.00	270.00	61.70	61.70	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G212DFA	MW-212	04/19/2002	PROFILE	270.00	270.00	61.70	61.70	8330N	4-NITROTOLUENE	NO
G212DFA	MW-212	04/19/2002	PROFILE	270.00	270.00	61.70	61.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-	NO*
G212DFA	MW-212	04/19/2002	PROFILE	270.00	270.00	61.70	61.70	8330N	NITROGLYCERIN	NO
G212DFA	MW-212	04/19/2002	PROFILE	270.00	270.00	61.70	61.70	8330N	PICRIC ACID	NO
G212DGA	MW-212	04/19/2002	PROFILE	280.00	280.00	71.70	71.70	8330N	2-NITROTOLUENE	NO
G212DGA	MW-212	04/19/2002	PROFILE	280.00	280.00	71.70	71.70	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G212DGA	MW-212	04/19/2002	PROFILE	280.00	280.00	71.70	71.70	8330N	4-NITROTOLUENE	NO
G212DGA	MW-212	04/19/2002	PROFILE	280.00	280.00	71.70	71.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-	NO*
G212DGA	MW-212	04/19/2002	PROFILE	280.00	280.00	71.70	71.70	8330N	NITROGLYCERIN	NO

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SAMPLES COLLECTED 04/06/02 - 04/26/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G212DGA	MW-212	04/19/2002	PROFILE	280.00	280.00	71.70	71.70	8330N	PICRIC ACID	NO
G212DHA	MW-212	04/19/2002	PROFILE	290.00	290.00	81.70	81.70	8330N	NITROGLYCERIN	NO
G212DIA	MW-212	04/23/2002	PROFILE	300.00	300.00	91.70	91.70	8330N	NITROGLYCERIN	NO
G212DJA	MW-212	04/23/2002	PROFILE	310.00	310.00	101.70	101.70	8330N	NITROGLYCERIN	NO
G212DKA	MW-212	04/23/2002	PROFILE	320.00	320.00	111.70	111.70	8330N	NITROGLYCERIN	NO
G212DLA	MW-212	04/23/2002	PROFILE	330.00	330.00	121.70	121.70	8330N	NITROGLYCERIN	NO
G212DMA	MW-212	04/24/2002	PROFILE	340.00	340.00	131.70	131.70	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G212DMA	MW-212	04/24/2002	PROFILE	340.00	340.00	131.70	131.70	8330N	NITROGLYCERIN	NO
G212DMA	MW-212	04/24/2002	PROFILE	340.00	340.00	131.70	131.70	8330N	PICRIC ACID	NO
G212DNA	MW-212	04/24/2002	PROFILE	350.00	350.00	141.70	141.70	8330N	NITROGLYCERIN	NO
G212DPA	MW-212	04/24/2002	PROFILE	370.00	370.00	161.70	161.70	8330N	NITROGLYCERIN	NO
G213DCA	MW-213	04/17/2002	PROFILE	70.00	70.00	21.47	21.47	E314.0	PERCHLORATE	
G213DDA	MW-213	04/17/2002	PROFILE	80.00	80.00	31.47	31.47	E314.0	PERCHLORATE	
G213DDA	MW-213	04/17/2002	PROFILE	810.00	80.00	31.47	31.47	8330N	2,6-DINITROTOLUENE	YES*
G213DDA	MW-213	04/17/2002	PROFILE	810.00	80.00	31.47	31.47	8330N	4-NITROTOLUENE	NO
G213DDA	MW-213	04/17/2002	PROFILE	810.00	80.00	31.47	31.47	8330N	NITROGLYCERIN	NO
G213DDA	MW-213	04/17/2002	PROFILE	810.00	80.00	31.47	31.47	8330N	PICRIC ACID	NO
G213DEA	MW-213	04/17/2002	PROFILE	90.00	90.00	41.47	41.47	8330N	NITROGLYCERIN	NO
G213DEA	MW-213	04/17/2002	PROFILE	90.00	90.00	41.47	41.47	8330N	PICRIC ACID	NO
G213DEA	MW-213	04/17/2002	PROFILE	90.00	90.00	41.47	41.47	E314.0	PERCHLORATE	
G213DFA	MW-213	04/18/2002	PROFILE	100.00	100.00	51.47	51.47	8330N	NITROGLYCERIN	NO
G213DFA	MW-213	04/18/2002	PROFILE	100.00	100.00	51.47	51.47	8330N	PICRIC ACID	NO
G213DFA	MW-213	04/18/2002	PROFILE	100.00	100.00	51.47	51.47	E314.0	PERCHLORATE	
G213DGA	MW-213	04/18/2002	PROFILE	110.00	110.00	61.47	61.47	8330N	NITROGLYCERIN	NO
G213DGA	MW-213	04/18/2002	PROFILE	110.00	110.00	61.47	61.47	8330N	PICRIC ACID	NO
G213DIA	MW-213	04/18/2002	PROFILE	130.00	130.00	81.47	81.47	8330N	4-NITROTOLUENE	NO
G213DIA	MW-213	04/18/2002	PROFILE	130.00	130.00	81.47	81.47	8330N	NITROGLYCERIN	NO
G213DIA	MW-213	04/18/2002	PROFILE	130.00	130.00	81.47	81.47	OC21V	ACETONE	
G213DIA	MW-213	04/18/2002	PROFILE	130.00	130.00	81.47	81.47	OC21V	CHLOROFORM	

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G213DJA	MW-213	04/18/2002	PROFILE	140.00	140.00	91.47	91.47	OC21V	CHLOROFORM	
G213DKA	MW-213	04/18/2002	PROFILE	150.00	150.00	101.47	101.47	OC21V	ACETONE	
G213DKA	MW-213	04/18/2002	PROFILE	150.00	150.00	101.47	101.47	OC21V	CHLOROFORM	
G213DLA	MW-213	04/19/2002	PROFILE	160.00	160.00	111.47	111.47	8330N	4-NITROTOLUENE	NO
G213DLA	MW-213	04/19/2002	PROFILE	160.00	160.00	111.47	111.47	8330N	NITROGLYCERIN	NO
G213DLA	MW-213	04/19/2002	PROFILE	160.00	160.00	111.47	111.47	OC21V	ACETONE	
G213DLA	MW-213	04/19/2002	PROFILE	160.00	160.00	111.47	111.47	OC21V	CHLOROFORM	
G213DMA	MW-213	04/19/2002	PROFILE	170.00	170.00	121.47	121.47	OC21V	ACETONE	
G213DNA	MW-213	04/19/2002	PROFILE	180.00	180.00	131.47	131.47	8330N	NITROGLYCERIN	NO
G213DNA	MW-213	04/19/2002	PROFILE	180.00	180.00	131.47	131.47	8330N	PICRIC ACID	NO
G213DNA	MW-213	04/19/2002	PROFILE	180.00	180.00	131.47	131.47	OC21V	ACETONE	
G213DOA	MW-213	04/19/2002	PROFILE	190.00	190.00	141.47	141.47	OC21V	ACETONE	
G213DOA	MW-213	04/19/2002	PROFILE	190.00	190.00	141.47	141.47	OC21V	CHLOROFORM	
G213DPA	MW-213	04/19/2002	PROFILE	200.00	200.00	151.47	151.47	OC21V	ACETONE	
G213DPA	MW-213	04/19/2002	PROFILE	200.00	200.00	151.47	151.47	OC21V	CHLOROFORM	
G213DPD	MW-213	04/19/2002	PROFILE	200.00	200.00	151.47	151.47	OC21V	ACETONE	
G213DPD	MW-213	04/19/2002	PROFILE	200.00	200.00	151.47	151.47	OC21V	CHLOROFORM	
G213DQA	MW-213	04/19/2002	PROFILE	210.00	210.00	161.47	161.47	OC21V	CHLOROFORM	
G213DRA	MW-213	04/19/2002	PROFILE	220.00	220.00	171.47	171.47	OC21V	CHLOROFORM	
G213DSA	MW-213	04/19/2002	PROFILE	230.00	230.00	181.47	181.47	OC21V	ACETONE	
G213DTA	MW-213	04/19/2002	PROFILE	240.00	240.00	191.47	191.47	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G213DTA	MW-213	04/19/2002	PROFILE	240.00	240.00	191.47	191.47	8330N	2,6-DINITROTOLUENE	YES*
G213DTA	MW-213	04/19/2002	PROFILE	240.00	240.00	191.47	191.47	8330N	2-NITROTOLUENE	NO
G213DTA	MW-213	04/19/2002	PROFILE	240.00	240.00	191.47	191.47	8330N	4-NITROTOLUENE	NO
G213DTA	MW-213	04/19/2002	PROFILE	240.00	240.00	191.47	191.47	8330N	PICRIC ACID	NO
G213DTA	MW-213	04/19/2002	PROFILE	240.00	240.00	191.47	191.47	OC21V	ACETONE	
G213DTA	MW-213	04/19/2002	PROFILE	240.00	240.00	191.47	191.47	OC21V	CHLOROFORM	
G213DUA	MW-213	04/19/2002	PROFILE	246.00	246.00	197.47	197.47	OC21V	CHLOROFORM	

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