WEEKLY PROGRESS UPDATE
FOR NOVEMBER 4 – NOVEMBER 8, 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 November 4 through November 8, 2002.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of November 8 is summarized in Table 1.

Table 1. Drilling progress as of November 8, 2002

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-246	J-3 Range (J3P-20)	255	192	95-105; 178-188
MW-247	J-3 Range (J3P-22)	224	200	
MW-248	Demo 1 (D1P-16)	180	67	

bgs = below ground surface
bwt = below water table

Completed well installation of MW-246 (J3P-20), completed drilling of MW-247 (J3P-22), and commenced drilling of MW-248 (D1P-16). Well development continued for newly installed wells.

Samples collected during the reporting period are summarized in Table 2. Groundwater profile samples were collected from MW-247 and MW-248. Groundwater samples were collected from Bourne water supply and monitoring wells, from recently installed wells, and as part of the October Quarterly Long Term Groundwater monitoring round. Soil samples were collected from the J-3 Range as part of white phosphorus sampling and from Demo Area 1 as part of the Ecological Risk Characterization.

The following are the notes from the November 11, 2002 Technical Team meeting at the IAGWSPO:

Participants

MAJ Bill Myer (IAGWSPO)
Bill Gallagher (IAGWSPO)
Desiree Moyer (EPA)
Len Pinaud (MADEP)
Carol Ann Charette (ACE)
John MacPherson (ACE)
Don Wood (ACE)
Maria Pologruto (AMEC)
Tim Nichols (ECC)
Larry Pannell (Jacobs)
Tina Dolan (IAGWSPO)
Karen Wilson (IAGWSPO)
Meghan Cassidy (EPA)
Mark Panni (MADEP)
Gina Kaso (ACE)
Heather Sullivan (ACE)
Marc Grant (AMEC)
Mike Robinson (AMEC)
Al Larkins (ECC)
Dave Hill (IAGWSPO)
Todd Borci (EPA)
Jane Dolan (EPA)
Dave Williams (MDPH)
Rob Foti (ACE)
Raimo Liias (ACE)
Kim Harriz (AMEC)
John Rice (AMEC-phone)
Dick Skryness (ECC)

Punchlist Items

#2 Provide update for sampling/reporting Perchlorate for Sandwich Water District (EPA/MADEP). Todd Borci (EPA) indicated two possible options for completing the sampling would be discussed with Ben Gregson (IAGWSPO) next week.

#4 Determine status of sampling the Gallo Skating Rink well (Guard). D.L. Maher to provide cost estimate for repairing pump today.

#7 Provide results of sampling old USGS wells located near ocean downgradient of the Monument Beach Well Field (Corps). Data has been received. All samples were non detect for perchlorate. These results will be included in the Bourne update on 11/11.

#10 Provide narrative summary of PLM at J-1 range MW-187 (Corps). Provided via email 10/25.

#11 Provide summary of all wells proposed versus completed (Corps). Table summary provided last week.

#12 Provide evaluation for pumping at MW-80M1 for Pilot test (Corps). Evaluation is on-going.

#13 Provide results of sampling of CS-8 wells (Jacobs Engineering). Larry Pannell provided a review of the most recent VOC sampling results for CS-8 wells:

- 84MW0004, 84MW0005, downgradient of the transmitter station, were non detect for VOCs.
- LRW0003 had a TCE detection (0.73 ug/L); the previous result was 1.21 ug/L.
- MW-18M1 had a TCE detection (4.55 ug/L); the previous result was 4.46 ug/L.

#14 Provide verification of results for MW-16 that were provided in the IART Tables (AMEC). An explanation of the results was provided in a 10/29 email.

#15 Provide data validation summary for metals and SVOCs at MW-188 and MW-215 (Corps). Some results have been forwarded. The remaining results are expected in December.

MSP3 and Southeast Ranges Update

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

J-2 Range Polygons. Crews are working on Polygon 2R. Investigation of 18 polygons has been completed, 2 (2B and 2E) need to be revisited, 4 additional still need to be investigated. An updated list of findings was distributed.

Ponds. Succonsette Pond anomaly excavations were completed. Dr. Sue Goodfellow (E&RC) reviewed work practices and was given sifted soil from select anomaly excavations for cultural resources evaluation. Karen Wilson (IAGWSPO) to revisit the site relative to restoration activities. The crews identified three items that need to be BIPed and one item for transport to the SHA. A list of findings was distributed with a map showing the locations of the anomalies with circles around anomalies denoting where the soil had been collected, sifted and bagged. The 10/29 water level in the pond was also indicated on the map. In the list of findings, the date for Anomaly 8 should be 11/04/02 or 11/05/02.

- Anomaly excavation of Deep Bottom Pond began today. A map was distributed showing the anomalies, with circles indicating those anomalies where soil would be sifted.
- A response was received from the Conservation Commission via email regarding the one anomaly at Grassy Pond. The investigation of the anomaly at Grassy Pond is approved to proceed, contingent upon certain conditions being met. Investigation of Grassy Pond may begin next week.

SCAR Site. Dr. Goodfellow provided approval to backfill all excavations exclusive of the BIP excavations. The final list of findings was distributed.

U Range. Grubbing is complete. Surface clearance will be completed by the beginning of next week. Approximately 1/3 of the geophysical survey has been completed. Investigation of the four grids being set up for documenting the orientation and declination of rockets should begin tomorrow, 11/8. An updated table of findings from north of the berm was distributed.

Drilling/Sampling. – Well screens are being set at J3P-20 (MW-246). This rig to move to CIAP-14 next. Drilling is being conducted at J3P-22 (MW-247) and will likely be completed today. This borehole had been drilled to its original scoped total depth, profile results for the borehole were reviewed and it was decided to drill 50 feet deeper. ROA approval for J3P-26, the geoprobe well near Snake Pond, was received and drilling of this well is scheduled for the week of November 28. Notification of this work has been provided to the Community Involvement group who will coordinate with the Town of Sandwich. Dr. Goodfellow and the owners of the property needed for access to the drilling location require 48 hours notification. An internal meeting will be held to discuss photographing the drilling location before, during and after well installation; erosion control measures; and site maintenance and security issues.
Rob Foti will conduct a site walk with Ms. Wilson, Dr. Goodfellow and AMEC to locate a proposed contingency well (J2P-17) to be placed downgradient of Polygon 2 on J-2 Range. Todd Borci (EPA) indicated that the general location for the well as shown on the figure provided by Heather Sullivan was good. Mark Panni (MADEP) also approved the general location.
UXO – Clearance is being conducted at the J1P-18 pad and access road. The clearance is proceeding slowly due to the amount of OE frag.

Bourne Update

Bill Gallagher (IAGWSPO) summarized recent Bourne-related activities.

- Weekly and monthly sampling of Bourne monitoring and supply wells continues. Recent sampling results are as follows: 4th detection of perchlorate in WS-3 (0.44 ug/L); first time detect of perchlorate in 1-88B and 01-2. First sampling event and detection of perchlorate in 00-1.
- Regarding the S interval (183 ft bwt) profile result for MW-219; a non-detect reported for this interval was overturned in validation to 0.49 ug/L. However, this result is still being evaluated as a potential false positive. The MW-219M1 screen was set at 170-180 ft bwt. At the BWD's request, the pump in this well was lowered to the bottom of the screen (to be closer to the profile detect at 183 ft bwt) and another groundwater sample collected. Results for this sample are pending.
- The Guard has agreed to proceed with the installation of WS4P-4 upgradient of WS-4. WS4P-3 is a contingency well. As part of the ROA process, an archeological survey will need to be completed of this area. A site walk has been proposed with AMEC and Karen Wilson to investigate this area to find the least destructive pathway for the well to installed. Leo Yuskus (Haley and Ward) to be contacted to see if he would like to participate.
- AFCEE has agreed to provide the funding to install WS4P-5 and WS4P-6 (a new well location); the well installation will be contracted by BWD to AMEC to ensure that the IAGWSP procedures for profiling and well installation are followed. An archeological survey will also be needed for these wells; completion of this survey will likely dictate the installation schedule. Gina Kaso (ACE) to contact Mike Minior to check if WS4P-6 is a contingency well.
- A new map of the WS-4 area will be produced to show all proposed monitoring wells upgradient of WS-4.
- The Bourne Perchlorate Response Plan is under internal review for submittal to the agencies on 11/13.

Scrap Update

Todd Borci (EPA) inquired about the status of the email the Corps had been asked to provide to summarize the agreements made during the October 28 Scrap Contract meeting. In addition to a summary, the email was to outline steps the Corps would take to address accumulating surface water run-off from the Containment Pad.

- John MacPherson (ACE) explained that a summary email had been sent after the meeting and a plan for addressing the run-off issue could be sent out by the end of the day Friday, 11/8. Mr. Borci to check for this e-mail. The Corps was still in the process of collecting information on whether the Waste Water Treatment Plant could adequately treat the approximate 100,000 gallons of RDX and HMX contaminated water in their activated sludge process. The necessity of pre-treatment with GAC was being evaluated. The Corps was also addressing other issues:
  - Re-analysis of the run-off water for explosives using the 8321 method. Interferent compounds were affecting the 8330 analysis and the results could not be adequately validated.
  - The source of the contamination, whether in the pads or the sumps, was being evaluated. As part of this evaluation, the sumps were filled with water, drained and then this water was sampled. RDX was not detected in the samples.
- Mr. MacPherson questioned why, if pre-treated with GAC and supported by analytical confirmation that there were no explosives, the wastewater could not be discharged to the ground instead of transported to the WWTP, since this practice had been approved for the soil washing operation. Todd Borci to review this issue internally, particularly to determine if the treated surface water-runoff from the Scrap Yard Pad would be classified as RCRA hazardous waste or investigation-derived waste.
- One sample of run-off in a non-work area at the north end of the pad east of the trailer was collected, as requested by EPA. Results for this sample are pending.
- Todd Borci clarified since a Scrap Yard Work Plan had not been submitted, the Guard was in violation of the Administrative Orders, and a potential penalty accrues for each day the work plan is overdue. MAJ Myer (IAGWSPO) responded that the Scrap Yard Plan submittal date remained to be determined.

Demo Area 1 D1P-19

Heather Sullivan (ACE) presented the Guard's proposal to install D1P-19 to delineate the northern Demo 1 Area plume boundary.

- The Guard is proposing that monitor well D1P-19 be installed to the north of MW-32 to provide a northern boundary to the Demo Area 1 perchlorate plume near its midpoint. The well is proposed for a cleared area associated with GP-15 and is upgradient of the area currently being considered for the infiltration gallery of the proposed groundwater treatment system. An adjacent well, MW-20, which has never been sampled for perchlorate, is too shallow to merit sampling for this purpose.
- An ROA for this location was submitted to Karen Wilson late yesterday, 11/07. Ms. Wilson indicated there are archeological issues associated with this area due to its proximity to another site. Dr. Goodfellow will need to provide documentation with the ROA that this will not be an issue in the well installation.
- Mark Panni and Todd Borci provided verbal approval for the well location.

IART Agenda

Tina Dolen (IAGWSPO) led a discussion regarding the December 10 IART Agenda.

- Dave Williams (MDPH) indicated MDPH was not prepared to provide a presentation for the IART as currently listed on the schedule. As a substitution, all parties agreed the ASR interview summaries would be added as a topic.
- Currently the interview summaries are scheduled to be discussed after the 11/14 Tech meeting. EPA/MADEP will attempt to provide written comments ahead of this meeting to facilitate the revision of the summaries in time for the 11/25 IART mailing.
- The agenda for future IART meetings will include the Demo Area 1 (January and February 03) and Fate and Transport (March 03).

- Open discussion for the 12/10 meeting will include EPA's Response to Secure DoD's Commitment to "Make the Cape Whole" and the Demo Area 1 Schedule. The Fact Sheet on RRA/RAM Plan at Demo 1 Area may be available for this IART. The IART team to be notified that January kicks off the comment period for the RRA/RAM plan.

Snake Pond Perchlorate

Heather Sullivan (AMEC) reviewed recent unvalidated detections of perchlorate in surface water at Snake Pond.

- The 08/28/02 sample at the Camp GoodNews beach surface water sampling location (LKSNK006) had a perchlorate detection of 0.89 ug/L. The 09/11/02 sample was non detect. The 08/28/02 sample from Drive Point (90SNP0002) near the beach also had a perchlorate detect of 0.75 ug/L.
- The STL Savannah lab is reanalyzing these samples and the data is pending validation.
- Todd Borci requested that the data validation be expedited for these samples. Mr. Borci noted he purposefully reserved comment on the supplemental LTGM for sampling in this area of groundwater monitoring and will review the monitoring approach for this area pending resolution of this data. Mr. Borci further indicated he would wait on the Guard's recommendation prior to comment.

Documents and Schedules

Marc Grant (AMEC) led a discussion of document priorities, distributing a six-page handout addressing schedule deadlines and issues.

The following corrections to the scheduling issues summary were provided: MOR disapproval was received from EPA on the MSP2 ASP Letter Report MOR. Comments have been received from EPA for the LTGM Supplement for December 2002.

HUTA2 Transect Reports MOR. 1st priority. Submitted 10/22. Waiting on EPA/MADEP comment/approval.

Demo 1 Soil Report MOR. 2nd priority. Waiting on DEP approval. Len Pinaud to provide letter by end of the day Friday, 11/8.

UXO Interim Screening Report MOR. 3rd priority. Waiting EPA approval.

LTGM Supplemental for Dec 2002. 4th priority. Waiting on DEP comments.

Central Impact Area Aquifer Test Summary Report. 5th priority. Waiting on EPA comments.

Small Arms Ranges Report. 6th priority. Waiting on DEP comments.

MSP3 Gun and Mortar Workplan. Desiree Moyer still needs to check if resolution meeting or RCL response is next step.

Groundwater Background Report. Don Wood (ACE) to check with USGS on their review and analysis of data for this report. Currently the IAGWSP is proceeding with RRAs and FS documents based on assumptions made for the individual Operable Units. The concern for the background groundwater data is that background concentrations may have been established based on data that was collected to close to potential source areas. This is problematic because the base is located at the top of the groundwater mound, and therefore, technically, there is no upgradient "background" groundwater at Camp Edwards. Groundwater data for establishment of background conditions was gathered from areas assessed not to be impacted by base activities.

Soil Background Report. The Guard is prepared to recalculate soil background concentrations for Camp Edwards based on EPA comments, if that is the way EPA recommends the Guard to proceed. Todd Borci to review this issue with the EPA group in Cincinnati.

Method Comparability Study. MADEP/EPA to provide this study to QA/QC and lab groups for review and comment.

Regarding AMEC's 10/31 letter defining the Central Impact Area Soil OU boundary, Heather Sullivan will provide clarification for Len Pinuad's benefit that RTNs in the proposed Soil OU

boundary will be addressed in the Central Impact Area OU, while those falling outside the boundary will be addressed separately.

Miscellaneous

- Monthly BIP Summary table distributed at Tech meeting.
- Len Pinaud requested that Dr. Susan Goodfellow provide information on the progress of her pursuit of a programmatic agreement with SHPO to approve ROAs. Additional information was also requested on why ROAs were required for current Demo 1 Soil and Eco fieldwork, when investigations have been approved and conducted in this disturbed area in the past.

2. SUMMARY OF DATA RECEIVED

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

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

Table 3 includes detections from the following areas:

Bourne Wellfield

- Groundwater samples from 02-13M1 and M3 had detections of perchlorate. The results were similar to previous sampling rounds.

- Groundwater samples from MW-233M1 had a detection of toluene. This is the first detection of toluene in this well.

- Groundwater samples from 97-3 had a detection of methylene chloride. This is the first detection of methylene chloride in this well.

- Ten groundwater samples had detections of chloroform.

Central Impact Area

- Groundwater samples from MW-204M2 had detections of RDX and HMX that were confirmed by PDA spectra. This is the first detection of HMX in this well. The detection of RDX was similar to the results from the previous sampling rounds.

- Groundwater samples from MW-204M1 and MW-205M1 had detections of RDX that were confirmed by PDA spectra. The results were similar to the previous sampling rounds.

Demo Area 1

- Groundwater samples from MW-211M1 had a detection of perchlorate. This is the first detection of perchlorate in this well.

- Groundwater samples from MW-210M2 and MW-211M2 had detections of perchlorate. The results were similar to the previous sampling rounds.

Southeast Ranges

- Groundwater samples from MW-197M2, M3 and MW-215M1 had detections of explosives that were confirmed by PDA spectra. The results were similar to the previous sampling rounds.

- Profile samples from MW-246 (J3P-20) had detections of explosives, VOCs, and perchlorate. 2,6-DNT was detected and confirmed by PDA spectra but with interference at 7 feet below the water table. Perchlorate was detected at 37 feet below the water table. Well screens were set at the depth corresponding to the perchlorate detection (32 to 42 ft bwt) and at the depth (115 to 125 ft bwt) of the midpoint of the J-3 Range RDX plume.

- Profile samples from MW-247 (J3P-22) had detections of explosives, VOCs, and perchlorate. 2,6-DNT was detected and confirmed by PDA spectra, but with interference at 6 feet below the water table. RDX was detected and confirmed by PDA spectra in three intervals between 96 and 116 feet below the water table. Perchlorate was detected in seven intervals between 86 and 146 feet below the water table. Well screens were set at the depth (71 to 81 ft bwt) corresponding to the clean zone above the perchlorate detections, the depth (101 to 11 ft bwt) corresponding to the highest RDX and perchlorate detections, and at the depth (156 to 166 ft bwt) corresponding to the clean zone below the perchlorate detections.

DELIVERABLES SUBMITTED

Final Biota Field Sampling Work Plan, Demo 1 Soil Operable Unit	10/29/2002
Weekly Progress Update October 21 – October 25, 2002	11/04/2002
Monthly Progress Update October 2002	11/09/2002

3. SCHEDULED ACTIONS

Scheduled actions for the week of November 11 include complete well installation of MW-247 (J3P-22), complete drilling of MW-248 (D1P-16) and commence drilling of J3P-19 and CIAP-14.

4. SUMMARY OF ACTIVITIES FOR DEMO 1

Additional delineation of the downgradient portion of the groundwater plume is being conducted prior to finalizing the Feasibility Study for the Groundwater Operable Unit and as the Interim Action for groundwater remediation is being designed. Pumping and treating groundwater at the toe of the Demo 1 plume and at Frank Perkins Road has been selected as an Interim Action to address the Demo 1 Area Groundwater Operable Unit. A Rapid Response Action/Release Abatement Measure (RRA/RAM) is also being planned to address soil contamination at Demo 1. UXO clearance at proposed monitoring well locations D1P-17 and D1P-18 will be initiated next week. Commenced drilling of D1P-16 for plume delineation. Soil sampling, to support the ecological risk characterization was completed this week.

TABLE 2
SAMPLING PROGRESS
11/03/2002 - 11/09/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G247DRE	FIELDQC	11/07/2002	FIELDQC	0.00	0.00		
G248DAE	FIELDQC	11/08/2002	FIELDQC	0.00	0.00		
G248DAT	FIELDQC	11/08/2002	FIELDQC	0.00	0.00		
HC12AQ1AAE	FIELDQC	11/08/2002	FIELDQC	0.00	0.00		
HC12Y1AAE	FIELDQC	11/07/2002	FIELDQC	0.00	0.00		
HD102N13BAE	FIELDQC	11/05/2002	FIELDQC	0.00	0.00		
HD12AB1AAE	FIELDQC	11/06/2002	FIELDQC	0.00	0.00		
TW1-88E	FIELDQC	11/05/2002	FIELDQC	0.00	0.00		
W02-12M1T	FIELDQC	11/05/2002	FIELDQC	0.00	0.00		
W198M2E	FIELDQC	11/04/2002	FIELDQC	0.00	0.00		
W198M2T	FIELDQC	11/04/2002	FIELDQC	0.00	0.00		
W198M3E	FIELDQC	11/06/2002	FIELDQC	0.00	0.00		
W198M3T	FIELDQC	11/06/2002	FIELDQC	0.00	0.00		
W200M1F	FIELDQC	11/08/2002	FIELDQC	0.00	0.00		
XXM973-E	FIELDQC	11/07/2002	FIELDQC	0.00	0.00		
XXM973-T	FIELDQC	11/07/2002	FIELDQC	0.00	0.00		
4036000-01G	4036000-01G	11/05/2002	GROUNDWATER			6.00	12.00
4036000-03G	4036000-03G	11/05/2002	GROUNDWATER	50.00	60.00	6.00	12.00
4036000-04G	4036000-04G	11/05/2002	GROUNDWATER			6.00	12.00
4036000-06G	4036000-06G	11/05/2002	GROUNDWATER			6.00	12.00
PPAWSPW-1-A	PPAWSPW-1	11/04/2002	GROUNDWATER			158.00	178.00
PPAWSPW-2-A	PPAWSPW-2	11/04/2002	GROUNDWATER			85.00	105.00
TW1-88A	1-88	11/05/2002	GROUNDWATER		102.90	0.00	67.40
W02-02M1A	02-02	11/06/2002	GROUNDWATER	114.50	124.50	63.50	73.50
W02-02M2A	02-02	11/05/2002	GROUNDWATER	94.50	104.50	42.65	55.65
W02-02SSA	02-02	11/06/2002	GROUNDWATER	49.50	59.50	0.00	10.00
W02-09M1A	02-09	11/06/2002	GROUNDWATER	74.00	84.00	65.26	75.26
W02-09M2A	02-09	11/06/2002	GROUNDWATER	59.00	69.00	50.30	60.30
W02-12M1A	02-12	11/05/2002	GROUNDWATER	109.00	119.00	58.35	68.35
W02-12M2A	02-12	11/05/2002	GROUNDWATER	94.00	104.00	43.21	53.21
W02-12M3A	02-12	11/05/2002	GROUNDWATER	79.00	89.00	28.22	38.22
W02-13M1A	02-13	11/05/2002	GROUNDWATER	98.00	108.00	58.33	68.33
W02-13M2A	02-13	11/05/2002	GROUNDWATER	83.00	93.00	44.20	54.20
W02-13M3A	02-13	11/05/2002	GROUNDWATER	68.00	78.00	28.30	38.30
W02-13M3D	02-13	11/05/2002	GROUNDWATER	68.00	78.00	28.30	38.30
W02-15M1A	02-15	11/06/2002	GROUNDWATER	125.00	135.00	75.63	85.63
W02-15M2A	02-15	11/06/2002	GROUNDWATER	101.00	111.00	51.50	61.50
W02-15M3A	02-15	11/07/2002	GROUNDWATER	81.00	91.00	31.40	41.40
W194M1A	MW-194	11/06/2002	GROUNDWATER	85.00	90.00	39.10	44.10
W198M2A	MW-198	11/04/2002	GROUNDWATER	120.00	125.00	98.40	103.40
W198M3A	MW-198	11/06/2002	GROUNDWATER	100.00	105.00	78.50	83.50
W200M1A	MW-200	11/08/2002	GROUNDWATER	294.00	304.00	89.80	99.80
W200M2A	MW-200	11/08/2002	GROUNDWATER	255.00	265.00	50.72	60.72
W201M1A	MW-201	11/08/2002	GROUNDWATER	306.00	316.00	106.90	116.90

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
11/03/2002 - 11/09/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W201M2A	MW-201	11/08/2002	GROUNDWATER	286.00	296.00	86.90	96.90
W201M2D	MW-201	11/08/2002	GROUNDWATER	286.00	296.00	86.90	96.90
W206SSA	MW-206	11/04/2002	GROUNDWATER	156.00	166.00	0.00	7.00
W214M1A	MW-214	11/04/2002	GROUNDWATER	198.00	208.00	111.40	121.40
W214M2A	MW-214	11/04/2002	GROUNDWATER	165.00	175.00	78.45	88.45
W214M3A	MW-214	11/04/2002	GROUNDWATER	140.00	150.00	53.45	63.45
W223DDA	MW-223	11/05/2002	GROUNDWATER	260.00	270.00	167.86	177.86
W223DDD	MW-223	11/05/2002	GROUNDWATER	260.00	270.00	167.86	177.86
W223M1A	MW-223	11/04/2002	GROUNDWATER	211.00	221.00	118.79	128.79
W223M2A	MW-223	11/05/2002	GROUNDWATER	185.00	195.00	93.31	103.31
W227M1A	MW-227	11/04/2002	GROUNDWATER	130.00	140.00	76.38	86.38
W227M2A	MW-227	11/04/2002	GROUNDWATER	110.00	120.00	56.38	66.38
W227M3A	MW-227	11/04/2002	GROUNDWATER	65.00	75.00	11.39	21.39
W233M1A	MW-233	11/06/2002	GROUNDWATER	356.00	366.00	157.80	167.80
W233M2A	MW-233	11/07/2002	GROUNDWATER	331.00	341.00	132.80	142.80
W233M3A	MW-233	11/07/2002	GROUNDWATER	231.00	241.00	32.80	42.80
W241M1A	MW-241	11/08/2002	GROUNDWATER	97.00	107.00	2.75	12.75
W242M1A	MW-242	11/07/2002	GROUNDWATER	235.00	245.00	141.68	151.68
W242M2A	MW-242	11/07/2002	GROUNDWATER	165.00	175.00	71.75	81.75
W243M1A	MW-243	11/08/2002	GROUNDWATER	114.50	124.50	48.85	58.85
XXM973-A	97-3	11/07/2002	GROUNDWATER	75.00	85.00	36.00	46.00
XXM975-A	97-5	11/07/2002	GROUNDWATER	84.00	94.00	76.00	86.00
DRILLROD	DRILLROD	11/04/2002	OTHER				
G247DPA	MW-247	11/06/2002	PROFILE	180.00	180.00	156.39	156.39
G247DQA	MW-247	11/06/2002	PROFILE	190.00	190.00	166.39	166.39
G247DRA	MW-247	11/07/2002	PROFILE	200.00	200.00	176.39	176.39
G247DSA	MW-247	11/07/2002	PROFILE	210.00	210.00	186.39	186.39
G247DTA	MW-247	11/07/2002	PROFILE	220.00	220.00	196.39	196.39
G248DAA	MW-248	11/08/2002	PROFILE	120.00	120.00	6.80	6.80
G248DBA	MW-248	11/08/2002	PROFILE	130.00	130.00	16.80	16.80
G248DCA	MW-248	11/08/2002	PROFILE	140.00	140.00	26.80	26.80
G248DDA	MW-248	11/08/2002	PROFILE	150.00	150.00	36.80	36.80
G248DEA	MW-248	11/08/2002	PROFILE	160.00	160.00	46.80	46.80
G248DFA	MW-248	11/08/2002	PROFILE	170.00	170.00	56.80	56.80
G248DGA	MW-248	11/08/2002	PROFILE	180.00	180.00	66.80	66.80
G248DGD	MW-248	11/08/2002	PROFILE	180.00	180.00	66.80	66.80
HD102N12BAA	102N	11/05/2002	SOIL GRID	0.25	0.50		
HD102N12BAD	102N	11/05/2002	SOIL GRID	0.25	0.50		
HD102N13BAA	102N	11/05/2002	SOIL GRID	0.25	0.50		
HD102N14BAA	102N	11/05/2002	SOIL GRID	0.25	0.50		
HD102N15BAA	102N	11/05/2002	SOIL GRID	0.25	0.50		
HD12AB1AAA	12AB	11/06/2002	SOIL GRID	0.00	2.00		
HD12AB2AAA	12AB	11/06/2002	SOIL GRID	0.00	2.00		
HD12AB3AAA	12AB	11/06/2002	SOIL GRID	0.00	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
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BWTS = Depth below water table, start depth, measured in feet
BWTE = Depth below water table, end depth, measured in feet

TABLE 2
SAMPLING PROGRESS
11/03/2002 - 11/09/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD12AB4AAA	12AB	11/06/2002	SOIL GRID	0.00	2.00		
HD12AB5AAA	12AB	11/06/2002	SOIL GRID	0.00	2.00		
HD12AH1AAA	12AH	11/07/2002	SOIL GRID	0.00	2.00		
HD12AH2AAA	12AH	11/07/2002	SOIL GRID	0.00	2.00		
HD12AH3AAA	12AH	11/07/2002	SOIL GRID	0.00	2.00		
HD12AH4AAA	12AH	11/07/2002	SOIL GRID	0.00	2.00		
HD12AH5AAA	12AH	11/07/2002	SOIL GRID	0.00	2.00		
HD12AM1AAA	12AM	11/07/2002	SOIL GRID	0.00	2.00		
HD12AM2AAA	12AM	11/07/2002	SOIL GRID	0.00	2.00		
HD12AM3AAA	12AM	11/07/2002	SOIL GRID	0.00	2.00		
HD12AM4AAA	12AM	11/07/2002	SOIL GRID	0.00	2.00		
HD12AM5AAA	12AM	11/07/2002	SOIL GRID	0.00	2.00		
HD12AQ1AAA	12AQ	11/08/2002	SOIL GRID	0.00	2.00		
HD12AQ1AAD	12AQ	11/08/2002	SOIL GRID	0.00	2.00		
HD12AQ2AAA	12AQ	11/08/2002	SOIL GRID	0.00	2.00		
HD12AQ2AAD	12AQ	11/08/2002	SOIL GRID	0.00	2.00		
HD12AQ3AAA	12AQ	11/08/2002	SOIL GRID	0.00	2.00		
HD12AQ3AAD	12AQ	11/08/2002	SOIL GRID	0.00	2.00		
HD12AQ4AAA	12AQ	11/08/2002	SOIL GRID	0.00	2.00		
HD12AQ4AAD	12AQ	11/08/2002	SOIL GRID	0.00	2.00		
HD12AQ5AAA	12AQ	11/08/2002	SOIL GRID	0.00	2.00		
HD12AQ5AAD	12AQ	11/08/2002	SOIL GRID	0.00	2.00		
HD12AR1AAA	12AR	11/06/2002	SOIL GRID	0.00	2.00		
HD12AR2AAA	12AR	11/06/2002	SOIL GRID	0.00	2.00		
HD12AR3AAA	12AR	11/06/2002	SOIL GRID	0.00	2.00		
HD12AR4AAA	12AR	11/06/2002	SOIL GRID	0.00	2.00		
HD12AR5AAA	12AR	11/06/2002	SOIL GRID	0.00	2.00		
HD12AU1AAA	12AU	11/08/2002	SOIL GRID	0.00	2.00		
HD12AU2AAA	12AU	11/08/2002	SOIL GRID	0.00	2.00		
HD12AU3AAA	12AU	11/08/2002	SOIL GRID	0.00	2.00		
HD12AU4AAA	12AU	11/08/2002	SOIL GRID	0.00	2.00		
HD12AU5AAA	12AU	11/08/2002	SOIL GRID	0.00	2.00		
HD12BB1AAA	12BB	11/07/2002	SOIL GRID	0.00	2.00		
HD12BB2AAA	12BB	11/07/2002	SOIL GRID	0.00	2.00		
HD12BB3AAA	12BB	11/07/2002	SOIL GRID	0.00	2.00		
HD12BB4AAA	12BB	11/07/2002	SOIL GRID	0.00	2.00		
HD12BB5AAA	12BB	11/07/2002	SOIL GRID	0.00	2.00		
HD12Y1AAA	12Y	11/07/2002	SOIL GRID	0.00	2.00		
HD12Y2AAA	12Y	11/07/2002	SOIL GRID	0.00	2.00		
HD12Y3AAA	12Y	11/07/2002	SOIL GRID	0.00	2.00		
HD12Y4AAA	12Y	11/07/2002	SOIL GRID	0.00	2.00		
HD12Y5AAA	12Y	11/07/2002	SOIL GRID	0.00	2.00		

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 10/18/02 - 11/09/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W02-13M1A	02-13	11/05/2002	GROUNDWATEF	98.00	108.00	58.33	68.33	E314.0	PERCHLORATE	
W02-13M3D	02-13	11/05/2002	GROUNDWATEF	68.00	78.00	28.30	38.30	E314.0	PERCHLORATE	
W197M2A	MW-197	10/29/2002	GROUNDWATEF	80.00	85.00	59.30	64.30	8330N	OCTAHYDRO-1,3,5,7-TETRANIT	YES
W197M3A	MW-197	10/30/2002	GROUNDWATEF	60.00	65.00	39.40	44.40	8330N	OCTAHYDRO-1,3,5,7-TETRANIT	YES
W204M1A	MW-204	10/31/2002	GROUNDWATEF	141.00	151.00	81.00	91.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W204M2A	MW-204	10/31/2002	GROUNDWATEF	76.00	86.00	17.20	27.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W204M2A	MW-204	10/31/2002	GROUNDWATEF	76.00	86.00	17.20	27.20	8330N	OCTAHYDRO-1,3,5,7-TETRANIT	YES
W205M1A	MW-205	10/30/2002	GROUNDWATEF	167.00	177.00	67.60	77.60	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W210M2A	MW-210	10/28/2002	GROUNDWATEF	156.00	166.00	54.69	64.69	E314.0	PERCHLORATE	
W211M1D	MW-211	10/28/2002	GROUNDWATEF	200.00	210.00	55.00	65.00	E314.0	PERCHLORATE	
W211M2A	MW-211	10/29/2002	GROUNDWATEF	175.00	185.00	29.70	39.70	E314.0	PERCHLORATE	
W215M1A	MW-215	10/28/2002	GROUNDWATEF	240.00	250.00	133.85	143.85	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W233M1A	MW-233	11/06/2002	GROUNDWATEF	356.00	366.00	157.80	167.80	OC21V	TOLUENE	
XXM973-A	97-3	11/07/2002	GROUNDWATEF	75.00	85.00	36.00	46.00	OC21V	METHYLENE CHLORIDE	
W02-02M1A	02-02	11/06/2002	GROUNDWATEF	114.50	124.50	63.50	73.50	OC21V	CHLOROFORM	
W02-02M2A	02-02	11/05/2002	GROUNDWATEF	94.50	104.50	42.65	55.65	OC21V	CHLOROFORM	
W02-02SSA	02-02	11/06/2002	GROUNDWATEF	49.50	59.50	0.00	10.00	OC21V	CHLOROFORM	
W02-12M1A	02-12	11/05/2002	GROUNDWATEF	109.00	119.00	58.35	68.35	OC21V	CHLOROFORM	
W02-15M1A	02-15	11/06/2002	GROUNDWATEF	125.00	135.00	75.63	85.63	OC21V	CHLOROFORM	
W02-15M2A	02-15	11/06/2002	GROUNDWATEF	101.00	111.00	51.50	61.50	OC21V	CHLOROFORM	
W02-15M3A	02-15	11/07/2002	GROUNDWATEF	81.00	91.00	31.40	41.40	OC21V	CHLOROFORM	
W233M1A	MW-233	11/06/2002	GROUNDWATEF	356.00	366.00	157.80	167.80	OC21V	CHLOROFORM	
W233M2A	MW-233	11/07/2002	GROUNDWATEF	331.00	341.00	132.80	142.80	OC21V	CHLOROFORM	
W233M3A	MW-233	11/07/2002	GROUNDWATEF	231.00	241.00	32.80	42.80	OC21V	CHLOROFORM	
G246DAA	MW-246	10/30/2002	PROFILE	65.00	65.00	2.30	2.30	8330N	NITROGLYCERIN	NO
G246DAA	MW-246	10/30/2002	PROFILE	65.00	65.00	2.30	2.30	OC21V	ACETONE	
G246DAA	MW-246	10/30/2002	PROFILE	65.00	65.00	2.30	2.30	OC21V	CARBON DISULFIDE	
G246DAA	MW-246	10/30/2002	PROFILE	65.00	65.00	2.30	2.30	OC21V	METHYL ETHYL KETONE (2-BUT	
G246DBA	MW-246	10/30/2002	PROFILE	70.00	70.00	7.30	7.30	8330N	2,6-DINITROTOLUENE	YES*
G246DBA	MW-246	10/30/2002	PROFILE	70.00	70.00	7.30	7.30	8330N	NITROGLYCERIN	NO
G246DBA	MW-246	10/30/2002	PROFILE	70.00	70.00	7.30	7.30	OC21V	ACETONE	
G246DBA	MW-246	10/30/2002	PROFILE	70.00	70.00	7.30	7.30	OC21V	METHYL ETHYL KETONE (2-BUT	

DATA REPORTED REFLECT CURRENT DATABASE FOR SAMPLES COLLECTED IN SPECIFIED TIMEFRAME. NOT ALL RESULTS ARE COMPLETE.
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* = Interference in sample

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 10/18/02 - 11/09/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G246DCA	MW-246	10/30/2002	PROFILE	80.00	80.00	17.30	17.30	8330N	NITROGLYCERIN	NO
G246DCA	MW-246	10/30/2002	PROFILE	80.00	80.00	17.30	17.30	OC21V	CHLOROFORM	
G246DCA	MW-246	10/30/2002	PROFILE	80.00	80.00	17.30	17.30	OC21V	METHYL ETHYL KETONE (2-BUT	
G246DDA	MW-246	10/30/2002	PROFILE	90.00	90.00	27.30	27.30	OC21V	CHLOROFORM	
G246DDA	MW-246	10/30/2002	PROFILE	90.00	90.00	27.30	27.30	OC21V	METHYL ETHYL KETONE (2-BUT	
G246DEA	MW-246	10/30/2002	PROFILE	100.00	100.00	37.30	37.30	E314.0	PERCHLORATE	
G246DEA	MW-246	10/30/2002	PROFILE	100.00	100.00	37.30	37.30	OC21V	CHLOROFORM	
G246DFA	MW-246	10/30/2002	PROFILE	110.00	110.00	47.30	47.30	8330N	NITROGLYCERIN	NO
G246DFA	MW-246	10/30/2002	PROFILE	110.00	110.00	47.30	47.30	OC21V	CHLOROFORM	
G246DFD	MW-246	10/30/2002	PROFILE	110.00	110.00	47.30	47.30	8330N	NITROGLYCERIN	NO
G246DFD	MW-246	10/30/2002	PROFILE	110.00	110.00	47.30	47.30	OC21V	CHLOROFORM	
G246DGA	MW-246	10/30/2002	PROFILE	120.00	120.00	57.30	57.30	OC21V	CHLOROFORM	
G246DHA	MW-246	10/30/2002	PROFILE	130.00	130.00	67.30	67.30	OC21V	CHLOROFORM	
G246DIA	MW-246	10/31/2002	PROFILE	140.00	140.00	77.30	77.30	OC21V	CHLOROFORM	
G246DLA	MW-246	10/31/2002	PROFILE	170.00	170.00	107.30	107.30	OC21V	CHLOROFORM	
G246DMA	MW-246	10/31/2002	PROFILE	180.00	180.00	117.30	117.30	OC21V	CHLOROFORM	
G246DNA	MW-246	10/31/2002	PROFILE	190.00	190.00	127.30	127.30	OC21V	CHLOROFORM	
G246DOA	MW-246	10/31/2002	PROFILE	200.00	200.00	137.30	137.30	8330N	1,3,5-TRINITROBENZENE	NO
G246DOA	MW-246	10/31/2002	PROFILE	200.00	200.00	137.30	137.30	8330N	2,6-DINITROTOLUENE	NO*
G246DOA	MW-246	10/31/2002	PROFILE	200.00	200.00	137.30	137.30	8330N	NITROGLYCERIN	NO
G246DOA	MW-246	10/31/2002	PROFILE	200.00	200.00	137.30	137.30	8330N	PICRIC ACID	NO
G246DOA	MW-246	10/31/2002	PROFILE	200.00	200.00	137.30	137.30	OC21V	ACETONE	
G246DOA	MW-246	10/31/2002	PROFILE	200.00	200.00	137.30	137.30	OC21V	CARBON DISULFIDE	
G246DOA	MW-246	10/31/2002	PROFILE	200.00	200.00	137.30	137.30	OC21V	METHYL ETHYL KETONE (2-BUT	
G246DPA	MW-246	10/31/2002	PROFILE	210.00	210.00	147.30	147.30	8330N	2,6-DINITROTOLUENE	NO*
G246DPA	MW-246	10/31/2002	PROFILE	210.00	210.00	147.30	147.30	8330N	NITROGLYCERIN	NO
G246DPA	MW-246	10/31/2002	PROFILE	210.00	210.00	147.30	147.30	8330N	PICRIC ACID	NO
G246DPA	MW-246	10/31/2002	PROFILE	210.00	210.00	147.30	147.30	OC21V	ACETONE	
G246DPA	MW-246	10/31/2002	PROFILE	210.00	210.00	147.30	147.30	OC21V	CARBON DISULFIDE	
G246DPA	MW-246	10/31/2002	PROFILE	210.00	210.00	147.30	147.30	OC21V	CHLOROFORM	
G246DQA	MW-246	10/31/2002	PROFILE	220.00	220.00	157.30	157.30	OC21V	ACETONE	
G246DQA	MW-246	10/31/2002	PROFILE	220.00	220.00	157.30	157.30	OC21V	CHLOROFORM	

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DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 10/18/02 - 11/09/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G246DRA	MW-246	10/31/2002	PROFILE	230.00	230.00	167.30	167.30	8330N	NITROGLYCERIN	NO
G246DRA	MW-246	10/31/2002	PROFILE	230.00	230.00	167.30	167.30	OC21V	ACETONE	
G246DRA	MW-246	10/31/2002	PROFILE	230.00	230.00	167.30	167.30	OC21V	CHLOROFORM	
G246DSA	MW-246	11/01/2002	PROFILE	240.00	240.00	177.30	177.30	8330N	2,6-DINITROTOLUENE	NO*
G246DSA	MW-246	11/01/2002	PROFILE	240.00	240.00	177.30	177.30	8330N	NITROGLYCERIN	NO
G246DSA	MW-246	11/01/2002	PROFILE	240.00	240.00	177.30	177.30	8330N	PICRIC ACID	NO
G246DSA	MW-246	11/01/2002	PROFILE	240.00	240.00	177.30	177.30	OC21V	ACETONE	
G246DSA	MW-246	11/01/2002	PROFILE	240.00	240.00	177.30	177.30	OC21V	CHLOROFORM	
G246DTA	MW-246	11/01/2002	PROFILE	250.00	250.00	187.30	187.30	OC21V	METHYL ETHYL KETONE (2-BUT	
G246DUA	MW-246	11/01/2002	PROFILE	255.00	255.00	192.30	192.30	8330N	NITROGLYCERIN	NO
G246DUA	MW-246	11/01/2002	PROFILE	255.00	255.00	192.30	192.30	OC21V	ACETONE	
G247DAA	MW-247	10/31/2002	PROFILE	30.00	30.00	6.39	6.39	8330N	2,6-DINITROTOLUENE	YES*
G247DAA	MW-247	10/31/2002	PROFILE	30.00	30.00	6.39	6.39	8330N	3-NITROTOLUENE	NO
G247DAA	MW-247	10/31/2002	PROFILE	30.00	30.00	6.39	6.39	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO*
G247DAA	MW-247	10/31/2002	PROFILE	30.00	30.00	6.39	6.39	8330N	NITROGLYCERIN	NO
G247DAA	MW-247	10/31/2002	PROFILE	30.00	30.00	6.39	6.39	OC21V	ACETONE	
G247DAA	MW-247	10/31/2002	PROFILE	30.00	30.00	6.39	6.39	OC21V	CHLOROFORM	
G247DAA	MW-247	10/31/2002	PROFILE	30.00	30.00	6.39	6.39	OC21V	METHYL ETHYL KETONE (2-BUT	
G247DBA	MW-247	10/31/2002	PROFILE	40.00	40.00	16.39	16.39	8330N	NITROGLYCERIN	NO
G247DBA	MW-247	10/31/2002	PROFILE	40.00	40.00	16.39	16.39	OC21V	ACETONE	
G247DBA	MW-247	10/31/2002	PROFILE	40.00	40.00	16.39	16.39	OC21V	CHLOROFORM	
G247DBA	MW-247	10/31/2002	PROFILE	40.00	40.00	16.39	16.39	OC21V	METHYL ETHYL KETONE (2-BUT	
G247DCA	MW-247	10/31/2002	PROFILE	50.00	50.00	26.39	26.39	OC21V	ACETONE	
G247DCA	MW-247	10/31/2002	PROFILE	50.00	50.00	26.39	26.39	OC21V	CHLOROFORM	
G247DCA	MW-247	10/31/2002	PROFILE	50.00	50.00	26.39	26.39	OC21V	METHYL ETHYL KETONE (2-BUT	
G247DDA	MW-247	10/31/2002	PROFILE	60.00	60.00	36.39	36.39	OC21V	ACETONE	
G247DDA	MW-247	10/31/2002	PROFILE	60.00	60.00	36.39	36.39	OC21V	CHLOROFORM	
G247DDA	MW-247	10/31/2002	PROFILE	60.00	60.00	36.39	36.39	OC21V	METHYL ETHYL KETONE (2-BUT	
G247DEA	MW-247	10/31/2002	PROFILE	70.00	70.00	46.39	46.39	OC21V	ACETONE	
G247DEA	MW-247	10/31/2002	PROFILE	70.00	70.00	46.39	46.39	OC21V	CHLOROFORM	
G247DEA	MW-247	10/31/2002	PROFILE	70.00	70.00	46.39	46.39	OC21V	METHYL ETHYL KETONE (2-BUT	
G247DFA	MW-247	10/31/2002	PROFILE	80.00	80.00	56.39	56.39	8330N	NITROGLYCERIN	NO

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G247DFA	MW-247	10/31/2002	PROFILE	80.00	80.00	56.39	56.39	8330N	PICRIC ACID	NO
G247DFA	MW-247	10/31/2002	PROFILE	80.00	80.00	56.39	56.39	OC21V	ACETONE	
G247DFA	MW-247	10/31/2002	PROFILE	80.00	80.00	56.39	56.39	OC21V	CHLOROFORM	
G247DFA	MW-247	10/31/2002	PROFILE	80.00	80.00	56.39	56.39	OC21V	METHYL ETHYL KETONE (2-BUT	
G247DGA	MW-247	10/31/2002	PROFILE	90.00	90.00	66.39	66.39	OC21V	ACETONE	
G247DGA	MW-247	10/31/2002	PROFILE	90.00	90.00	66.39	66.39	OC21V	CHLOROFORM	
G247DGA	MW-247	10/31/2002	PROFILE	90.00	90.00	66.39	66.39	OC21V	METHYL ETHYL KETONE (2-BUT	
G247DGD	MW-247	10/31/2002	PROFILE	90.00	90.00	66.39	66.39	OC21V	ACETONE	
G247DGD	MW-247	10/31/2002	PROFILE	90.00	90.00	66.39	66.39	OC21V	CHLOROFORM	
G247DGD	MW-247	10/31/2002	PROFILE	90.00	90.00	66.39	66.39	OC21V	METHYL ETHYL KETONE (2-BUT	
G247DHA	MW-247	10/31/2002	PROFILE	100.00	100.00	76.39	76.39	OC21V	ACETONE	
G247DHA	MW-247	10/31/2002	PROFILE	100.00	100.00	76.39	76.39	OC21V	CHLOROFORM	
G247DHA	MW-247	10/31/2002	PROFILE	100.00	100.00	76.39	76.39	OC21V	METHYL ETHYL KETONE (2-BUT	
G247DIA	MW-247	10/31/2002	PROFILE	110.00	110.00	86.39	86.39	E314.0	PERCHLORATE	
G247DIA	MW-247	10/31/2002	PROFILE	110.00	110.00	86.39	86.39	OC21V	ACETONE	
G247DIA	MW-247	10/31/2002	PROFILE	110.00	110.00	86.39	86.39	OC21V	CHLOROFORM	
G247DIA	MW-247	10/31/2002	PROFILE	110.00	110.00	86.39	86.39	OC21V	METHYL ETHYL KETONE (2-BUT	
G247DJA	MW-247	11/01/2002	PROFILE	120.00	120.00	96.39	96.39	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
G247DJA	MW-247	11/01/2002	PROFILE	120.00	120.00	96.39	96.39	E314.0	PERCHLORATE	
G247DJA	MW-247	11/01/2002	PROFILE	120.00	120.00	96.39	96.39	OC21V	ACETONE	
G247DJA	MW-247	11/01/2002	PROFILE	120.00	120.00	96.39	96.39	OC21V	CHLOROFORM	
G247DJA	MW-247	11/01/2002	PROFILE	120.00	120.00	96.39	96.39	OC21V	CHLOROMETHANE	
G247DJA	MW-247	11/01/2002	PROFILE	120.00	120.00	96.39	96.39	OC21V	METHYL ETHYL KETONE (2-BUT	
G247DKA	MW-247	11/01/2002	PROFILE	130.00	130.00	106.39	106.39	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
G247DKA	MW-247	11/01/2002	PROFILE	130.00	130.00	106.39	106.39	E314.0	PERCHLORATE	
G247DKA	MW-247	11/01/2002	PROFILE	130.00	130.00	106.39	106.39	OC21V	ACETONE	
G247DKA	MW-247	11/01/2002	PROFILE	130.00	130.00	106.39	106.39	OC21V	CHLOROFORM	
G247DKA	MW-247	11/01/2002	PROFILE	130.00	130.00	106.39	106.39	OC21V	METHYL ETHYL KETONE (2-BUT	
G247DLA	MW-247	11/01/2002	PROFILE	140.00	140.00	116.39	116.39	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
G247DLA	MW-247	11/01/2002	PROFILE	140.00	140.00	116.39	116.39	E314.0	PERCHLORATE	
G247DLA	MW-247	11/01/2002	PROFILE	140.00	140.00	116.39	116.39	OC21V	ACETONE	
G247DLA	MW-247	11/01/2002	PROFILE	140.00	140.00	116.39	116.39	OC21V	CHLOROFORM	

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SED = SAMPLE COLLECTION END DEPTH IN FEET BGS
BWTS = DEPTH BELOW WATER TABLE, START DEPTH, MEASURED IN FEET
BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET
PDA/YES = Photo Diode Array, Detect Confirmed
PDA/NO = Photo Diode Array, Detect Not Confirmed
* = Interference in sample

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 10/18/02 - 11/09/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G247DLA	MW-247	11/01/2002	PROFILE	140.00	140.00	116.39	116.39	OC21V	METHYL ETHYL KETONE (2-BUT	
G247DMA	MW-247	11/01/2002	PROFILE	150.00	150.00	126.39	126.39	E314.0	PERCHLORATE	
G247DMA	MW-247	11/01/2002	PROFILE	150.00	150.00	126.39	126.39	OC21V	ACETONE	
G247DMA	MW-247	11/01/2002	PROFILE	150.00	150.00	126.39	126.39	OC21V	CHLOROFORM	
G247DMA	MW-247	11/01/2002	PROFILE	150.00	150.00	126.39	126.39	OC21V	METHYL ETHYL KETONE (2-BUT	
G247DNA	MW-247	11/01/2002	PROFILE	160.00	160.00	136.39	136.39	E314.0	PERCHLORATE	
G247DNA	MW-247	11/01/2002	PROFILE	160.00	160.00	136.39	136.39	OC21V	ACETONE	
G247DNA	MW-247	11/01/2002	PROFILE	160.00	160.00	136.39	136.39	OC21V	CHLOROFORM	
G247DNA	MW-247	11/01/2002	PROFILE	160.00	160.00	136.39	136.39	OC21V	METHYL ETHYL KETONE (2-BUT	
G247DOA	MW-247	11/01/2002	PROFILE	170.00	170.00	146.39	146.39	E314.0	PERCHLORATE	
G247DOA	MW-247	11/01/2002	PROFILE	170.00	170.00	146.39	146.39	OC21V	ACETONE	
G247DOA	MW-247	11/01/2002	PROFILE	170.00	170.00	146.39	146.39	OC21V	CHLOROFORM	
G247DOA	MW-247	11/01/2002	PROFILE	170.00	170.00	146.39	146.39	OC21V	METHYL ETHYL KETONE (2-BUT	
G247DPA	MW-247	11/06/2002	PROFILE	180.00	180.00	156.39	156.39	8330N	3-NITROTOLUENE	NO
G247DPA	MW-247	11/06/2002	PROFILE	180.00	180.00	156.39	156.39	8330N	PICRIC ACID	NO
G247DPA	MW-247	11/06/2002	PROFILE	180.00	180.00	156.39	156.39	OC21V	ACETONE	
G247DPA	MW-247	11/06/2002	PROFILE	180.00	180.00	156.39	156.39	OC21V	METHYL ETHYL KETONE (2-BUT	
G247DPA	MW-247	11/06/2002	PROFILE	180.00	180.00	156.39	156.39	OC21V	TOLUENE	
G247DQA	MW-247	11/06/2002	PROFILE	190.00	190.00	166.39	166.39	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G247DQA	MW-247	11/06/2002	PROFILE	190.00	190.00	166.39	166.39	8330N	PICRIC ACID	NO
G247DQA	MW-247	11/06/2002	PROFILE	190.00	190.00	166.39	166.39	OC21V	ACETONE	
G247DQA	MW-247	11/06/2002	PROFILE	190.00	190.00	166.39	166.39	OC21V	METHYL ETHYL KETONE (2-BUT	
G247DQA	MW-247	11/06/2002	PROFILE	190.00	190.00	166.39	166.39	OC21V	TOLUENE	
G247DRA	MW-247	11/07/2002	PROFILE	200.00	200.00	176.39	176.39	OC21V	ACETONE	
G247DRA	MW-247	11/07/2002	PROFILE	200.00	200.00	176.39	176.39	OC21V	TOLUENE	
G247DSA	MW-247	11/07/2002	PROFILE	210.00	210.00	186.39	186.39	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G247DSA	MW-247	11/07/2002	PROFILE	210.00	210.00	186.39	186.39	OC21V	ACETONE	
G247DSA	MW-247	11/07/2002	PROFILE	210.00	210.00	186.39	186.39	OC21V	METHYL ETHYL KETONE (2-BUT	
G247DSA	MW-247	11/07/2002	PROFILE	210.00	210.00	186.39	186.39	OC21V	TOLUENE	
G247DTA	MW-247	11/07/2002	PROFILE	220.00	220.00	196.39	196.39	OC21V	ACETONE	
G247DTA	MW-247	11/07/2002	PROFILE	220.00	220.00	196.39	196.39	OC21V	TOLUENE	

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