

**WEEKLY PROGRESS UPDATE  
FOR APRIL 21 – APRIL 25, 2003**

**EPA REGION I ADMINISTRATIVE ORDERS SDWA 1-97-1019, 1-2000-0014,  
& BOURNE-BWSC 4-15031**

**MASSACHUSETTS MILITARY RESERVATION  
TRAINING RANGE AND IMPACT AREA**

The following summary of progress is for the period from April 21 through April 25, 2003.

**1. SUMMARY OF ACTIONS TAKEN**

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

<b>Table 1. Drilling progress as of April 25, 2003</b>				
<b>Boring Number</b>	<b>Purpose of Boring/Well</b>	<b>Total Depth (ft bgs)</b>	<b>Saturated Depth (ft bwt)</b>	<b>Completed Well Screens (ft bgs)</b>
MW-93	Central Impact Area (CIAP-29)	130		
MW-267	Bourne Area (BP-5)	417	187	
MW-268	Bourne Area (BP-2)	207	155	
bgs = below ground surface bwt = below water table				

Completed drilling of MW-267 (BP-5) and MW-268 (BP-2) and commenced drilling of MW-93 (CIAP-29). 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-267 and MW-268. Groundwater samples were collected from Bourne water supply and monitoring wells, recently installed wells, and as part of the April Long-Term Groundwater Monitoring Plan. Supplemental soil sampling was conducted at BIP craters.

The following are notes from the April 24, 2003 Technical Team meeting of the Impact Area Groundwater Study Program office at Camp Edwards:

**Participants**

Hap Gonser (IAGWSPO)	Tina Dolen (IAGWSPO)	Bill Gallagher (IAGWSPO)
Dave Hill (IAGWSPO)	Todd Borci (EPA)	Jane Dolan (EPA)
Bob Lim (EPA)	Len Pinaud (MADEP)	Mark Panni (MADEP)
Dave Williams (MDPH)	Gina Kaso (ACE)	Ed Wise (ACE)
Heather Sullivan (ACE)	Shelia Holt (ACE-phone)	Katrizyna Chelkowska (ACE-phone)
Herb Colby (AMEC)	Kim Harriz (AMEC)	Chris Abate (AMEC)
Dick Skryness (ECC)	Kevin Hood (UConn)	

**Punchlist Items**

#2 Provide PZ211 Sampling Update. Property owners have not moved debris. Corps is still pursuing sampling.

- #3 Provide Use Permit for NWP-1 (Corps). Use Permit for well installation has been forwarded to the IAGWSPO for signature. SHPO approval due by 5/12.
- #5 Evaluate utility of sampling Bourne Braves irrigation well based on results of Bourne Bridge wells (Corps). Bourne Bridge wells were non detect for perchlorate and explosives. IAGWSPO still considering sampling of irrigation well.
- #10 Provide schedule for installation of SE Range piezometers and wells to be included in synoptic water level round (Corps). Schedule for piezometer installation and list of wells for synoptic water levels will be provided in 2 weeks. At Jane Dolan's request, Guard/Corps to evaluate the value and viability of collecting groundwater quality data during installation of the piezometers.
- #11 Provide location/map for proposed well downgradient of MW-265 (J1P-16) (Corps). Map distributed as part of SE Ranges plume discussion.

### **MSP3 and Southeast Ranges Update**

Gina Kaso (ACE) provided an update on the MSP3 task and SE Ranges fieldwork.

Ox Pond – Fieldwork completed.

Former Demo sites (Inactive Demo sites) – Excavation of additional anomalies to begin tomorrow, 4/25.

ASP – All fieldwork was completed, including sampling of soil beneath the 105mm cartridge casings.

NBC Area – Intrusive investigation will begin next week.

J-3 Range Hillside/Barrage Rocket Sites – Schonstedt survey was completed at the Hillside site. Data map and AMEC's recommendations for additional fieldwork (EM61 survey and soil sampling) will be provided to the agencies for review on Monday, 4/28. Crews are finishing surface clearance and grubbing at Barrage Rocket site; Schonstedt survey to commence next week.

- Todd Borci (EPA) to provide email responding to Dave Hill's (IAGWSPO) email regarding the scope of the J-3 Range fieldwork. Corps to follow up Mr. Borci's email with a week-by-week schedule laying out the fieldwork and how it will be coordinated with FUDS work and Textron decommissioning work.
- Jane Dolan (EPA) requested dates when RCLs would be sent for the SE Ranges workplans, proposed dates for site visits to select soil sampling locations, and proposed dates for the beginning of SE Ranges fieldwork.
- To Ms. Dolan's inquiry, Dave Hill stated that the J-2 Polygon Report would be sent to the agencies next week.

### **ROA Status and Monitor Well Installation Schedule**

Heather Sullivan (Corps) distributed a 3-page ROA Status table and 1-page Drill Rig Schedule.

- There has been no change in the status of ROAs since last week.
- Current drill schedule has rigs starting to drill at CIAP-29 and drilling at BP-5 and BP-2.
- Proposed Northwest Corner wells have been worked into the schedule. At the agencies request, once the ROA has been approved, NWP-1 could be worked in before the proposed Bourne area wells.
- ROAs for piezometers should be prepared shortly. Ms. Sullivan to coordinate with Rob Foti regarding Ms. Dolan's request to go along on the site reconnaissance to the piezometers for preparation of the ROAs. Ms. Dolan also requested the Guard/Corps to review the Tetra Tech data on UXO discoveries to see if the location of the piezometers should be adjusted.

### **Northwest Corner of Camp Edwards**

Bill Gallagher (IAGWSPO) provided an update on the Northwest Corner investigation.

- USGS Bourne Bridge wells (BHW216, 217, 218 and 220) were non detect for explosives and perchlorate.

- Two residential wells on Foretop Road were non detect for perchlorate and explosives. There is no new information on the wells; the builder has been contacted but has not responded. Len Pinaud (MADEP) suggested that the drilling company's name might be on the expansion tanks for the wells. Tina Dolen to ask the property owners to check their tanks.
- At Todd Borci's request, IAGWSPO to consider a plan for sampling frequency for the private wells.
- The IAGWSPO is still evaluating one property on Foretop Rd, which is not listed as a BWD customer and has no local phone. The phone for the off-Cape property owner has been disconnected. A certified letter was sent to the property owner's address.
- Ralph Marks (BWD) has confirmed that all remaining Port of Call properties are on public water.
- The Corps is working with NStar to obtain permission to drill NWP-2, NWP-3, and NWP-4 in their easement. John MacPherson (ACE) has supplied the necessary information to NStar; they are filling out their paperwork to approve access. Approval expected by the end of next week.
- EPA and MADEP approved sampling of five monitoring wells south of 4036009DC and 4036011 in the vicinity of 95-15 and 95-6 pump test wells.
- Guard to provide redline/strikeout version of the Northwest Corner Characterization Approach Letter, revised in accordance with EPA comments, by Friday, 4/25.

### **SE Range Plume Maps**

Todd Borci/Jane Dolan (EPA) provided comments on the SE Ranges Plume Maps.

- EPA/MADEP approved location of well downgradient of MW-265 (former J1P-16). This well had previously received ROA approval and is located on the forward particle track from MW-265.
- J-1 Range GW Scoping meeting to be scheduled after receipt of results from MW-265. The new proposed well (J1P-16) to be taken out of the 4 outstanding J Range locations that have been budgeted/scoped but not committed to specific locations.
- Plume maps revisions should be targeted for completion by the May IART, 5/27.
- Todd Borci's comments on the RDX Plume Map included:
  - Plume around MW-58 and MW-164 should be depicted as separate higher concentration contours to reflect groundwater flow directions as demonstrated by particle tracks. Contour around MW-164 should be drawn back toward MW-191.
  - MW-263 should be added if and when data is available.
  - RDX detection at MW-228 was likely connected to detection at MW-215.
  - MW-193 detection should be reflected as a separate contoured lobe merging into the main lobe in order to depict this location as a probable shallow source.
  - Western perimeter of plume should be smoother (further west) between MW-232 and MW-247.
  - Check on most recent concentrations of RDX in 90MP0009 and MW-218.
  - Add on J3P-35.
  - Plume around MW-147 and MW-153 is smaller than in last draft of plume maps.
  - Plume associated with MW-140 should be projected back more toward L Range, nearer to MW-241.
- Tina Dolen requested that the RDX plume under Snake Pond be blended to match the pond color and hatched to better depict the plume as below the pond bottom, not flowing into it.
- Jane Dolan commented that the plume around 90MW0041 and 90MW0034 was not as depicted in the L Range Workplan.
- Todd Borci's comments on the Perchlorate Plume Map included:

- Plume around MW-58 and MW-166 should not be connected in the same contour, but be shown with separate contours to reflect groundwater flow directions as demonstrated by particle tracks.
- Check recent data for perchlorate detections at MW-158 and MW-191.
- Appropriate isopleths for the plume maps to be discussed at PM/CI meeting.
- MW-125, recent data shows detections. Check on how this may change plume interpretation north of J-3 Range detonation pit.
- Contour at 90MW0054 should be drawn back toward MW-227.
- J3P-35 data needs to be added.
- Eastern perchlorate plume around MW-239, 90MW0038 and 90MW0019 may be separate lobes rather than a single plume.
- Mr. Borci requested that TNT data be combined with HMX on the HMX plume map in some way.
- To Ms. Dolan's inquiry, Herb Colby indicated that perchlorate sampling of existing southern SE Ranges wells would be proposed in the RCL to the Workplan.

## 2. SUMMARY OF DATA RECEIVED

Rush data are summarized in Table 3. These data are for analyses that are performed on a fast turn around 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 Area

- Groundwater samples from 02-02M2 and 02-08M3 had detections of perchlorate. The results were similar to the previous sampling rounds.
- Influent samples from a pilot study at MW-80M1 had detections of perchlorate that were similar to the previous sampling rounds at this well.
- Profile results from MW-267 (BP-5) had detections of perchlorate that were detected in two intervals, between 20 and 30 feet below the water table. The well screen will be set at the depth (18 to 28 ft bwt) of the highest perchlorate detections.
- Profile results from MW-268 (BP-2) had detections of HMX and tetryl. HMX was detected and confirmed by PDA spectra, but with interference, in two intervals at 78 feet and 98 feet below the water table. Tetryl was detected and confirmed by PDA spectra, but with

interference, in two intervals at 68 feet and 98 feet below the water table. The well screen will be set at the depth (45 to 55 ft bwt) that the particle backtrack from MW-233M3 intersects the MW-268 borehole.

**DELIVERABLES SUBMITTED**

Weekly Progress Update for April 14 – April 18, 2003	04/23/2003
MSP3 U-Range Draft Geophysical Survey and Investigation Report	04/25/2003

**3. SCHEDULED ACTIONS**

Scheduled actions for the week of April 28 include complete well installation of MW-267 (BP-5), and MW-268 (BP-2), continue drilling at MW-93 (CIAP-29), and commence drilling at BP-4. Groundwater sampling at Bourne water supply and monitoring wells, recently installed wells, and as part of the April Long-Term Groundwater Monitoring Plan will continue.

**4. SUMMARY OF ACTIVITIES FOR DEMO AREA 1**

Pumping and treating groundwater near the toe of the Demo Area 1 plume and at Frank Perkins Road has been selected as an Interim Action to address the Demo Area 1 Groundwater Operable Unit. The resolution meeting for the Demo Area 1 Groundwater RRA/RAM Plan was continued on April 24, 2003. Responses to EPA and MADEP comments on the Soil RRA/RAM Plan are being developed.

**TABLE 2  
SAMPLING PROGRESS  
04/19/2003 - 04/26/2003**

OGDEN_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
HD02040201SS	02040201	04/21/2003	CRATER GRID	0	0.16		
HD02040201SS	02040201	04/21/2003	CRATER GRID	0	0.16		
HD02040201SS	02040201	04/21/2003	CRATER GRID	0	0.16		
HD02040201SS	02040201	04/21/2003	CRATER GRID	0	0.16		
HD02040201SS	02040201	04/21/2003	CRATER GRID	0	0.16		
HD02040201SS	02040201	04/21/2003	CRATER GRID	0	0.16		
HD02040201SS	02040201	04/21/2003	CRATER GRID	0	0.16		
HD02040201SS	02040201	04/21/2003	CRATER GRID	0	0.16		
HD02120101SS	A021201A	04/22/2003	CRATER GRID	0	0.16		
HD02120101SS	A021201A	04/22/2003	CRATER GRID	0	0.16		
HD02120101SS	A021201A	04/22/2003	CRATER GRID	0	0.16		
HD02120101SS	A021201A	04/22/2003	CRATER GRID	0	0.16		
HD02120101SS	A021201A	04/22/2003	CRATER GRID	0	0.16		
HD02120101SS	A021201A	04/22/2003	CRATER GRID	0	0.16		
HD02120101SS	A021201A	04/22/2003	CRATER GRID	0	0.16		
HD02120101SS	A021201A	04/22/2003	CRATER GRID	0	0.16		
HD02120101SS	A021201A	04/22/2003	CRATER GRID	0	0.16		
HD02120101SS	A021201A	04/22/2003	CRATER GRID	0	0.16		
HD02200201SS	02200201	04/21/2003	CRATER GRID	0	0.16		
HD02200201SS	02200201	04/21/2003	CRATER GRID	0	0.16		
HD02200201SS	02200201	04/21/2003	CRATER GRID	0	0.16		
HD02200201SS	02200201	04/21/2003	CRATER GRID	0	0.16		
HD02200201SS	02200201	04/21/2003	CRATER GRID	0	0.16		
HD02200201SS	02200201	04/21/2003	CRATER GRID	0	0.16		
HD02200201SS	02200201	04/21/2003	CRATER GRID	0	0.16		
HD02200201SS	02200201	04/21/2003	CRATER GRID	0	0.16		
HD02200201SS	02200201	04/21/2003	CRATER GRID	0	0.16		
HD02200201SS	02200201	04/21/2003	CRATER GRID	0	0.16		
HD02200201SS	02200201	04/21/2003	CRATER GRID	0	0.16		
HD02200201SS	02200201	04/21/2003	CRATER GRID	0	0.16		
HD03080101SS	A03080101	04/24/2003	CRATER GRID	0	0.16		
HD03080101SS	A03080101	04/24/2003	CRATER GRID	0	0.16		
HD03080101SS	A03080101	04/24/2003	CRATER GRID	0	0.16		
HD03080101SS	A03080101	04/24/2003	CRATER GRID	0	0.16		
HD03080101SS	A03080101	04/24/2003	CRATER GRID	0	0.16		
HD03080101SS	A03080101	04/24/2003	CRATER GRID	0	0.16		
HD03080101SS	A03080101	04/24/2003	CRATER GRID	0	0.16		
HD03080101SS	A03080101	04/24/2003	CRATER GRID	0	0.16		
HD03080101SS	A03080101	04/24/2003	CRATER GRID	0	0.16		

**Profiling methods include: Volatiles and Explosives**  
**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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**TABLE 2  
SAMPLING PROGRESS  
04/19/2003 - 04/26/2003**

OGDEN_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
HD06180105SS	A06180105	04/23/2003	CRATER GRID	0	0.16		
HD06180105SS	A06180105	04/23/2003	CRATER GRID	0	0.16		
HD06180105SS	A06180105	04/23/2003	CRATER GRID	0	0.16		
HD06180105SS	A06180105	04/23/2003	CRATER GRID	0	0.16		
HD06180105SS	A06180105	04/23/2003	CRATER GRID	0	0.16		
HD06180105SS	A06180105	04/23/2003	CRATER GRID	0	0.16		
HD06180105SS	A06180105	04/23/2003	CRATER GRID	0	0.16		
HD06180105SS	A06180105	04/23/2003	CRATER GRID	0	0.16		
HD08220101SS	08220101	04/21/2003	CRATER GRID	0	0.16		
HD08220101SS	08220101	04/21/2003	CRATER GRID	0	0.16		
HD08220101SS	08220101	04/21/2003	CRATER GRID	0	0.16		
HD08220101SS	08220101	04/21/2003	CRATER GRID	0	0.16		
HD08220101SS	08220101	04/21/2003	CRATER GRID	0	0.16		
HD08220101SS	08220101	04/21/2003	CRATER GRID	0	0.16		
HD08220101SS	08220101	04/21/2003	CRATER GRID	0	0.16		
HD08220101SS	08220101	04/21/2003	CRATER GRID	0	0.16		
HD10220102SS	10220102	04/23/2003	CRATER GRID	0	0.16		
HD10220102SS	10220102	04/23/2003	CRATER GRID	0	0.16		
HD37MM1SS1	37MM1	04/23/2003	CRATER GRID	0	0.16		
HD37MM1SS2	37MM1	04/23/2003	CRATER GRID	0	0.16		
HD37MM1SS3	37MM1	04/23/2003	CRATER GRID	0	0.16		
HD37MM1SS4	37MM1	04/23/2003	CRATER GRID	0	0.16		
HD37MM1SS5	37MM1	04/23/2003	CRATER GRID	0	0.16		
HD37MM1SS6	37MM1	04/23/2003	CRATER GRID	0	0.16		
HD37MM1SS7	37MM1	04/23/2003	CRATER GRID	0	0.16		
HD37MM1SS8	37MM1	04/23/2003	CRATER GRID	0	0.16		
HDAPC2537MM	TRGT_4_37MM	04/24/2003	CRATER GRID	0	0.16		
HDAPC2537MM	TRGT_4_37MM	04/24/2003	CRATER GRID	0	0.16		
HDAPC2537MM	TRGT_4_37MM	04/24/2003	CRATER GRID	0	0.16		
HDAPC2537MM	TRGT_4_37MM	04/24/2003	CRATER GRID	0	0.16		
HDAPC2537MM	TRGT_4_37MM	04/24/2003	CRATER GRID	0	0.16		
HDAPC2537MM	TRGT_4_37MM	04/24/2003	CRATER GRID	0	0.16		
HDAPC2537MM	TRGT_4_37MM	04/24/2003	CRATER GRID	0	0.16		
HDAPC2537MM	TRGT_4_37MM	04/24/2003	CRATER GRID	0	0.16		

**Profiling methods include: Volatiles and Explosives**  
**Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry**  
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04/19/2003 - 04/26/2003**

OGDEN_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
HDJRANGEISS1	JRANGEI	04/24/2003	CRATER GRID	0	0.16		
HDJRANGEISS2	JRANGEI	04/24/2003	CRATER GRID	0	0.16		
HDJRANGEISS3	JRANGEI	04/24/2003	CRATER GRID	0	0.16		
HDJRANGEISS4	JRANGEI	04/24/2003	CRATER GRID	0	0.16		
HDJRANGEISS5	JRANGEI	04/24/2003	CRATER GRID	0	0.16		
HDJRANGEISS6	JRANGEI	04/24/2003	CRATER GRID	0	0.16		
HDJRANGEISS7	JRANGEI	04/24/2003	CRATER GRID	0	0.16		
HDJRANGEISS8	JRANGEI	04/24/2003	CRATER GRID	0	0.16		
HDJRANGEISS8	JRANGEI	04/24/2003	CRATER GRID	0	0.16		
HDP19105MM1S	P19105MM1	04/22/2003	CRATER GRID	0	0.16		
HDP19105MM1S	P19105MM1	04/22/2003	CRATER GRID	0	0.16		
HDP19105MM1S	P19105MM1	04/22/2003	CRATER GRID	0	0.16		
HDP19105MM1S	P19105MM1	04/22/2003	CRATER GRID	0	0.16		
HDP19105MM1S	P19105MM1	04/22/2003	CRATER GRID	0	0.16		
HDP19105MM1S	P19105MM1	04/22/2003	CRATER GRID	0	0.16		
HDP19105MM1S	P19105MM1	04/22/2003	CRATER GRID	0	0.16		
HDP19105MM1S	P19105MM1	04/22/2003	CRATER GRID	0	0.16		
HDP19105MM1S	P19105MM1	04/22/2003	CRATER GRID	0	0.16		
HDP19105MM5S	P19105MM5	04/21/2003	CRATER GRID	0	0.16		
HDP19105MM5S	P19105MM5	04/21/2003	CRATER GRID	0	0.16		
HDP19105MM5S	P19105MM5	04/21/2003	CRATER GRID	0	0.16		
HDP19105MM5S	P19105MM5	04/21/2003	CRATER GRID	0	0.16		
HDP19105MM5S	P19105MM5	04/21/2003	CRATER GRID	0	0.16		
HDP19105MM5S	P19105MM5	04/21/2003	CRATER GRID	0	0.16		
HDP19105MM5S	P19105MM5	04/21/2003	CRATER GRID	0	0.16		
HDP19105MM5S	P19105MM5	04/21/2003	CRATER GRID	0	0.16		
HDP19105MM5S	P19105MM5	04/21/2003	CRATER GRID	0	0.16		
HDP19155MM1S	P19155MM1	04/22/2003	CRATER GRID	0	0.16		
HDP19155MM1S	P19155MM1	04/22/2003	CRATER GRID	0	0.16		
HDP19155MM1S	P19155MM1	04/22/2003	CRATER GRID	0	0.16		
HDP19155MM1S	P19155MM1	04/22/2003	CRATER GRID	0	0.16		
HDP19155MM1S	P19155MM1	04/22/2003	CRATER GRID	0	0.16		

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04/19/2003 - 04/26/2003**

OGDEN_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
HDP19155MM1S	P19155MM1	04/22/2003	CRATER GRID	0	0.16		
HDTT01280201S	TT01280201	04/23/2003	CRATER GRID	0	0.16		
HDTT01280201S	TT01280201	04/23/2003	CRATER GRID	0	0.16		
HDTT01280201S	TT01280201	04/23/2003	CRATER GRID	0	0.16		
HDTT01280201S	TT01280201	04/23/2003	CRATER GRID	0	0.16		
HDTT01280201S	TT01280201	04/23/2003	CRATER GRID	0	0.16		
HDTT01280201S	TT01280201	04/23/2003	CRATER GRID	0	0.16		
HDTT01280201S	TT01280201	04/23/2003	CRATER GRID	0	0.16		
HDTT01280201S	TT01280201	04/23/2003	CRATER GRID	0	0.16		
HDTT01280201S	TT01280201	04/23/2003	CRATER GRID	0	0.16		
HDTT01280201S	TT01280201	04/23/2003	CRATER GRID	0	0.16		
G267DDE	FIELDQC	04/21/2003	FIELDQC	0	0		
G267DIE	FIELDQC	04/23/2003	FIELDQC	0	0		
G267DIT	FIELDQC	04/23/2003	FIELDQC	0	0		
G267DPE	FIELDQC	04/24/2003	FIELDQC	0	0		
G268DDE	FIELDQC	04/22/2003	FIELDQC	0	0		
HD08220101SS	FIELDQC	04/21/2003	FIELDQC	0	0		
HD37MM1SS4E	FIELDQC	04/23/2003	FIELDQC	0	0		
HDAPC2537MM	FIELDQC	04/24/2003	FIELDQC	0	0		
HDP19105MM1S	FIELDQC	04/22/2003	FIELDQC	0	0		
HDP19105MM1S	FIELDQC	04/23/2003	FIELDQC	0	0		
TW1-88A-E	FIELDQC	04/22/2003	FIELDQC	0	0		
W02-15M2T	FIELDQC	04/24/2003	FIELDQC	0	0		
W213M3T	FIELDQC	04/22/2003	FIELDQC	0	0		
W257M1T	FIELDQC	04/21/2003	FIELDQC	0	0		
W81DDT	FIELDQC	04/25/2003	FIELDQC	0	0		
XXM973-E	FIELDQC	04/23/2003	FIELDQC	0	0		
4036000-01G-A	4036000-01G	04/22/2003	GROUNDWATER	38	69.8	6	12
4036000-03G-A	4036000-03G	04/22/2003	GROUNDWATER	50	60	6	12
4036000-04G-A	4036000-04G	04/22/2003	GROUNDWATER	54.6	64.6	6	12
4036000-06G-A	4036000-06G	04/22/2003	GROUNDWATER	108	128	6	12
TW00-1-A	00-1	04/24/2003	GROUNDWATER	64	70	52.1	58.1
TW00-2D-A	00-2	04/23/2003	GROUNDWATER	71	77	43.95	49.95
TW00-2S-A	00-2	04/23/2003	GROUNDWATER	29	35	1.17	7.17
TW01-1-A	01-1	04/24/2003	GROUNDWATER	62	67	55.21	60.21

**Profiling methods include: Volatiles and Explosives**  
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**Other Sample Types methods are variable**  
**SBD = Sample Begin Depth, measured in feet bgs**  
**SED = Sample End Depth, measured in feet bgs**  
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**BWTE = Depth below water table, end depth, measured in feet**

**TABLE 2  
SAMPLING PROGRESS  
04/19/2003 - 04/26/2003**

<b>OGDEN_ID</b>	<b>GIS_LOCID</b>	<b>LOGDATE</b>	<b>SAMP_TYPE</b>	<b>SBD</b>	<b>SED</b>	<b>BWTS</b>	<b>BWTE</b>
TW01-1-D	01-1	04/24/2003	GROUNDWATER	62	67	55.21	60.21
TW1-88A-A	1-88	04/22/2003	GROUNDWATER	102.9	102.9	67.4	67.4
TW1-88B-A	1-88	04/23/2003	GROUNDWATER	105.5	105.5	69.6	69.6
W02-10M2A	02-10	04/21/2003	GROUNDWATER	110	120	68.61	78.61
W02-10M3A	02-10	04/21/2003	GROUNDWATER	85	95	43.65	53.65
W02-12M1A	02-12	04/22/2003	GROUNDWATER	109	119	58.35	68.35
W02-12M2A	02-12	04/22/2003	GROUNDWATER	94	104	43.21	53.21
W02-12M2D	02-12	04/22/2003	GROUNDWATER	94	104	43.21	53.21
W02-12M3A	02-12	04/22/2003	GROUNDWATER	79	89	28.22	38.22
W02-13M1A	02-13	04/22/2003	GROUNDWATER	98	108	58.33	68.33
W02-13M2A	02-13	04/22/2003	GROUNDWATER	83	93	44.2	54.2
W02-13M3A	02-13	04/22/2003	GROUNDWATER	68	78	28.3	38.3
W02-15M1A	02-15	04/23/2003	GROUNDWATER	125	135	75.63	85.63
W02-15M2A	02-15	04/24/2003	GROUNDWATER	101	111	51.5	61.5
W02-15M3A	02-15	04/24/2003	GROUNDWATER	81	91	31.4	41.4
W112M1A	MW-112	04/25/2003	GROUNDWATER	195	205	56	66
W112M2A	MW-112	04/25/2003	GROUNDWATER	165	175	26	36
W181SSA	MW181	04/25/2003	GROUNDWATER	32	42	0	10
W213M1A	MW-213	04/21/2003	GROUNDWATER	133	143	85.01	95.01
W213M2A	MW-213	04/21/2003	GROUNDWATER	89	99	41.15	51.15
W213M3A	MW-213	04/21/2003	GROUNDWATER	77	82	29.38	34.38
W257M1A	MW-257	04/21/2003	GROUNDWATER	290	300	145.52	155.52
W257M2A	MW-257	04/21/2003	GROUNDWATER	195	205	51.27	61.27
W257M2D	MW-257	04/21/2003	GROUNDWATER	195	205	51.27	61.27
W81DDA	MW-81	04/24/2003	GROUNDWATER	184	194	156	166
W81M1A	MW-81	04/24/2003	GROUNDWATER	128	138	100	110
W81M2A	MW-81	04/25/2003	GROUNDWATER	83	93	55	65
W81M3A	MW-81	04/25/2003	GROUNDWATER	53	58	25	30
W81M3D	MW-81	04/25/2003	GROUNDWATER	53	58	25	30
W81SSA	MW-81	04/25/2003	GROUNDWATER	25	35	0	10
W82DDA	MW-82	04/24/2003	GROUNDWATER	125	135	97	107
W82M1A	MW-82	04/24/2003	GROUNDWATER	104	114	76	86
W82M2A	MW-82	04/25/2003	GROUNDWATER	78	88	50	60
W82M2D	MW-82	04/25/2003	GROUNDWATER	78	88	50	60

**Profiling methods include: Volatiles and Explosives**  
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**TABLE 2  
SAMPLING PROGRESS  
04/19/2003 - 04/26/2003**

OGDEN_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
W82M3A	MW-82	04/24/2003	GROUNDWATER	54	64	26	36
W82SSA	MW-82	04/25/2003	GROUNDWATER	25	35	0	10
W83M3A	MW-83	04/22/2003	GROUNDWATER	60	70	27	37
W83SSA	MW-83	04/22/2003	GROUNDWATER	33	43	0	10
WS-4-A	WS-4	04/24/2003	GROUNDWATER				
WS-4-D	WS-4	04/24/2003	GROUNDWATER				
XXM973-A	97-3	04/23/2003	GROUNDWATER	75	85	36	46
XXM975-A	97-5	04/23/2003	GROUNDWATER	84	94	76	86
XXM975-D	97-5	04/23/2003	GROUNDWATER	84	94	76	86
G267DDA	MW-267	04/21/2003	PROFILE	260	260	30	30
G267DEA	MW-267	04/21/2003	PROFILE	270	270	40	40
G267DFA	MW-267	04/21/2003	PROFILE	280	280	50	50
G267DGA	MW-267	04/21/2003	PROFILE	290	290	60	60
G267DHA	MW-267	04/23/2003	PROFILE	300	300	70	70
G267DIA	MW-267	04/23/2003	PROFILE	310	310	80	80
G267DJA	MW-267	04/23/2003	PROFILE	320	320	90	90
G267DJD	MW-267	04/23/2003	PROFILE	320	320	90	90
G267DKA	MW-267	04/23/2003	PROFILE	330	330	100	100
G267DLA	MW-267	04/23/2003	PROFILE	340	340	110	110
G267DMA	MW-267	04/23/2003	PROFILE	350	350	120	120
G267DNA	MW-267	04/23/2003	PROFILE	360	360	130	130
G267DOA	MW-267	04/23/2003	PROFILE	370	370	140	140
G267DPA	MW-267	04/24/2003	PROFILE	380	380	150	150
G267DQA	MW-267	04/24/2003	PROFILE	390	390	160	160
G267DRA	MW-267	04/24/2003	PROFILE	400	400	170	170
G267DSA	MW-267	04/24/2003	PROFILE	410	410	180	180
G267DTA	MW-267	04/24/2003	PROFILE	417	417	187	187
G267DTD	MW-267	04/24/2003	PROFILE	417	417	187	187
G268DBA	MW-268	04/21/2003	PROFILE	70	70	18.35	18.35
G268DCA	MW-268	04/21/2003	PROFILE	80	80	28.35	28.35
G268DDA	MW-268	04/22/2003	PROFILE	90	90	38.35	38.35
G268DEA	MW-268	04/22/2003	PROFILE	100	100	48.35	48.35
G268DFA	MW-268	04/22/2003	PROFILE	110	110	58.35	58.35
G268DGA	MW-268	04/22/2003	PROFILE	120	120	68.35	68.35

**Profiling methods include: Volatiles and Explosives**  
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**Other Sample Types methods are variable**  
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**TABLE 2  
SAMPLING PROGRESS  
04/19/2003 - 04/26/2003**

<b>OGDEN_ID</b>	<b>GIS_LOCID</b>	<b>LOGDATE</b>	<b>SAMP_TYPE</b>	<b>SBD</b>	<b>SED</b>	<b>BWTS</b>	<b>BWTE</b>
G268DHA	MW-268	04/22/2003	PROFILE	130	130	78.35	78.35
G268DIA	MW-268	04/23/2003	PROFILE	140	140	88.35	88.35
G268DJA	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35
G268DJD	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35
G268DKA	MW-268	04/23/2003	PROFILE	160	160	108.35	108.35
G268DLA	MW-268	04/23/2003	PROFILE	170	170	118.35	118.35
G268DMA	MW-268	04/23/2003	PROFILE	180	180	128.35	128.35
G268DNA	MW-268	04/23/2003	PROFILE	190	190	138.35	138.35
G268DOA	MW-268	04/23/2003	PROFILE	200	200	148.35	148.35
G268DPA	MW-268	04/24/2003	PROFILE	207	207	155.35	155.35

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**TABLE 3  
DETECTED COMPOUNDS-UNVALIDATED  
SAMPLES COLLECTED 03/28/03 - 04/26/03**

OGDEN_ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W02-02M2A	02-02	04/18/2003	GROUNDWATER	94.5	104.5	42.65	52.65	E314.0	PERCHLORATE	
W02-08M3A	02-08	04/16/2003	GROUNDWATER	62	67	40.58	45.58	E314.0	PERCHLORATE	
PT80M1INF33A	MW-80	04/16/2003	ITE_MW80_PILOT	130	140	86	96	E314.0	PERCHLORATE	
PT80M1INF41A	MW-80	04/18/2003	ITE_MW80_PILOT	130	140	86	96	E314.0	PERCHLORATE	
G267DAA	MW-267	04/17/2003	PROFILE	235	235	5	5	8330N	PICRIC ACID	NO
G267DAA	MW-267	04/17/2003	PROFILE	235	235	5	5	8330N	2,6-DINITROTOLUENE	NO
G267DAA	MW-267	04/17/2003	PROFILE	235	235	5	5	8330N	NITROGLYCERIN	NO
G267DAA	MW-267	04/17/2003	PROFILE	235	235	5	5	OC21V	CHLOROMETHANE	
G267DAA	MW-267	04/17/2003	PROFILE	235	235	5	5	OC21V	ACETONE	
G267DBA	MW-267	04/18/2003	PROFILE	240	240	10	10	8330N	PICRIC ACID	NO
G267DBA	MW-267	04/18/2003	PROFILE	240	240	10	10	8330N	NITROGLYCERIN	NO
G267DBA	MW-267	04/18/2003	PROFILE	240	240	10	10	OC21V	ACETONE	
G267DBA	MW-267	04/18/2003	PROFILE	240	240	10	10	OC21V	CHLOROFORM	
G267DCA	MW-267	04/18/2003	PROFILE	250	250	20	20	E314.0	PERCHLORATE	
G267DCA	MW-267	04/18/2003	PROFILE	250	250	20	20	8330N	PICRIC ACID	NO
G267DCA	MW-267	04/18/2003	PROFILE	250	250	20	20	8330N	NITROGLYCERIN	NO
G267DCA	MW-267	04/18/2003	PROFILE	250	250	20	20	OC21V	CHLOROFORM	
G267DDA	MW-267	04/21/2003	PROFILE	260	260	30	30	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G267DDA	MW-267	04/21/2003	PROFILE	260	260	30	30	OC21V	CHLOROFORM	
G267DDA	MW-267	04/21/2003	PROFILE	260	260	30	30	8330N	PICRIC ACID	NO
G267DDA	MW-267	04/21/2003	PROFILE	260	260	30	30	E314.0	PERCHLORATE	
G267DDA	MW-267	04/21/2003	PROFILE	260	260	30	30	OC21V	ACETONE	

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

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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

+ = PDAs are not good matches

**TABLE 3  
DETECTED COMPOUNDS-UNVALIDATED  
SAMPLES COLLECTED 03/28/03 - 04/26/03**

OGDEN ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN ANALYTE	PDA
G267DEA	MW-267	04/21/2003	PROFILE	270	270	40	40	8330N	PICRIC ACID	NO
G267DEA	MW-267	04/21/2003	PROFILE	270	270	40	40	OC21V	ACETONE	
G267DEA	MW-267	04/21/2003	PROFILE	270	270	40	40	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G267DEA	MW-267	04/21/2003	PROFILE	270	270	40	40	OC21V	CHLOROFORM	
G267DFA	MW-267	04/21/2003	PROFILE	280	280	50	50	OC21V	ACETONE	
G267DFA	MW-267	04/21/2003	PROFILE	280	280	50	50	OC21V	CHLOROFORM	
G267DGA	MW-267	04/21/2003	PROFILE	290	290	60	60	OC21V	ACETONE	
G267DHA	MW-267	04/23/2003	PROFILE	300	300	70	70	8330N	2,6-DINITROTOLUENE	NO
G267DHA	MW-267	04/23/2003	PROFILE	300	300	70	70	8330N	NITROGLYCERIN	NO
G267DHA	MW-267	04/23/2003	PROFILE	300	300	70	70	8330N	PICRIC ACID	NO
G267DHA	MW-267	04/23/2003	PROFILE	300	300	70	70	OC21V	ACETONE	
G267DHA	MW-267	04/23/2003	PROFILE	300	300	70	70	OC21V	CHLOROFORM	
G267DIA	MW-267	04/23/2003	PROFILE	310	310	80	80	OC21V	ACETONE	
G267DJA	MW-267	04/23/2003	PROFILE	320	320	90	90	OC21V	ACETONE	
G267DJD	MW-267	04/23/2003	PROFILE	320	320	90	90	OC21V	ACETONE	
G267DKA	MW-267	04/23/2003	PROFILE	330	330	100	100	8330N	4-NITROTOLUENE	NO
G267DKA	MW-267	04/23/2003	PROFILE	330	330	100	100	OC21V	ACETONE	
G267DKA	MW-267	04/23/2003	PROFILE	330	330	100	100	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G267DLA	MW-267	04/23/2003	PROFILE	340	340	110	110	OC21V	ACETONE	
G267DMA	MW-267	04/23/2003	PROFILE	350	350	120	120	OC21V	ACETONE	
G267DNA	MW-267	04/23/2003	PROFILE	360	360	130	130	OC21V	ACETONE	
G267DOA	MW-267	04/23/2003	PROFILE	370	370	140	140	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO

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

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BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET

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\* = Interference in sample

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**TABLE 3  
DETECTED COMPOUNDS-UNVALIDATED  
SAMPLES COLLECTED 03/28/03 - 04/26/03**

OGDEN ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN ANALYTE	PDA
G267DOA	MW-267	04/23/2003	PROFILE	370	370	140	140	8330N	4-NITROTOLUENE	NO
G267DOA	MW-267	04/23/2003	PROFILE	370	370	140	140	8330N	2,6-DINITROTOLUENE	NO
G267DOA	MW-267	04/23/2003	PROFILE	370	370	140	140	OC21V	ACETONE	
G267DOA	MW-267	04/23/2003	PROFILE	370	370	140	140	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G267DQA	MW-267	04/24/2003	PROFILE	390	390	160	160	8330N	4-NITROTOLUENE	NO
G267DQA	MW-267	04/24/2003	PROFILE	390	390	160	160	OC21V	ACETONE	
G267DRA	MW-267	04/24/2003	PROFILE	400	400	170	170	8330N	2,6-DINITROTOLUENE	NO
G267DRA	MW-267	04/24/2003	PROFILE	400	400	170	170	8330N	PICRIC ACID	NO
G267DRA	MW-267	04/24/2003	PROFILE	400	400	170	170	8330N	4-NITROTOLUENE	NO
G267DRA	MW-267	04/24/2003	PROFILE	400	400	170	170	8330N	TETRYL	NO
G267DRA	MW-267	04/24/2003	PROFILE	400	400	170	170	OC21V	ACETONE	
G267DSA	MW-267	04/24/2003	PROFILE	410	410	180	180	8330N	PICRIC ACID	NO
G267DTA	MW-267	04/24/2003	PROFILE	417	417	187	187	OC21V	ACETONE	
G267DTD	MW-267	04/24/2003	PROFILE	417	417	187	187	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G267DTD	MW-267	04/24/2003	PROFILE	417	417	187	187	8330N	2,6-DINITROTOLUENE	NO
G267DTD	MW-267	04/24/2003	PROFILE	417	417	187	187	OC21V	ACETONE	
G268DAA	MW-268	04/18/2003	PROFILE	60	60	8.35	8.35	8330N	NITROGLYCERIN	NO
G268DAA	MW-268	04/18/2003	PROFILE	60	60	8.35	8.35	8330N	PICRIC ACID	NO
G268DAA	MW-268	04/18/2003	PROFILE	60	60	8.35	8.35	8330N	2,6-DINITROTOLUENE	NO
G268DAA	MW-268	04/18/2003	PROFILE	60	60	8.35	8.35	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G268DAA	MW-268	04/18/2003	PROFILE	60	60	8.35	8.35	8330N	2,4,6-TRINITROTOLUENE	NO
G268DAA	MW-268	04/18/2003	PROFILE	60	60	8.35	8.35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO

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**TABLE 3  
DETECTED COMPOUNDS-UNVALIDATED  
SAMPLES COLLECTED 03/28/03 - 04/26/03**

OGDEN ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN ANALYTE	PDA
G268DAA	MW-268	04/18/2003	PROFILE	60	60	8.35	8.35	8330N	1,3-DINITROBENZENE	NO
G268DAA	MW-268	04/18/2003	PROFILE	60	60	8.35	8.35	OC21V	ACETONE	
G268DAA	MW-268	04/18/2003	PROFILE	60	60	8.35	8.35	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G268DAA	MW-268	04/18/2003	PROFILE	60	60	8.35	8.35	OC21V	CHLOROFORM	
G268DBA	MW-268	04/21/2003	PROFILE	70	70	18.35	18.35	OC21V	BENZENE	
G268DBA	MW-268	04/21/2003	PROFILE	70	70	18.35	18.35	OC21V	CHLOROFORM	
G268DBA	MW-268	04/21/2003	PROFILE	70	70	18.35	18.35	OC21V	ACETONE	
G268DBA	MW-268	04/21/2003	PROFILE	70	70	18.35	18.35	8330N	2,6-DINITROTOLUENE	NO
G268DBA	MW-268	04/21/2003	PROFILE	70	70	18.35	18.35	8330N	2,4-DINITROTOLUENE	NO
G268DBA	MW-268	04/21/2003	PROFILE	70	70	18.35	18.35	8330N	PICRIC ACID	NO
G268DBA	MW-268	04/21/2003	PROFILE	70	70	18.35	18.35	8330N	2-NITROTOLUENE	NO
G268DBA	MW-268	04/21/2003	PROFILE	70	70	18.35	18.35	8330N	4-NITROTOLUENE	NO
G268DBA	MW-268	04/21/2003	PROFILE	70	70	18.35	18.35	8330N	3-NITROTOLUENE	NO
G268DBA	MW-268	04/21/2003	PROFILE	70	70	18.35	18.35	8330N	2,4,6-TRINITROTOLUENE	NO
G268DBA	MW-268	04/21/2003	PROFILE	70	70	18.35	18.35	8330N	NITROGLYCERIN	NO
G268DBA	MW-268	04/21/2003	PROFILE	70	70	18.35	18.35	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G268DBA	MW-268	04/21/2003	PROFILE	70	70	18.35	18.35	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G268DBA	MW-268	04/21/2003	PROFILE	70	70	18.35	18.35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
G268DBA	MW-268	04/21/2003	PROFILE	70	70	18.35	18.35	8330N	1,3,5-TRINITROBENZENE	NO
G268DBA	MW-268	04/21/2003	PROFILE	70	70	18.35	18.35	8330N	1,3-DINITROBENZENE	NO
G268DBA	MW-268	04/21/2003	PROFILE	70	70	18.35	18.35	8330N	TETRYL	NO
G268DCA	MW-268	04/21/2003	PROFILE	80	80	28.35	28.35	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 BELOW GROUND SURFACE

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BWTS = DEPTH BELOW WATER TABLE, START DEPTH, MEASURED IN FEET

BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET

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**TABLE 3  
DETECTED COMPOUNDS-UNVALIDATED  
SAMPLES COLLECTED 03/28/03 - 04/26/03**

OGDEN ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN ANALYTE	PDA
G268DCA	MW-268	04/21/2003	PROFILE	80	80	28.35	28.35	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G268DCA	MW-268	04/21/2003	PROFILE	80	80	28.35	28.35	OC21V	ACETONE	
G268DCA	MW-268	04/21/2003	PROFILE	80	80	28.35	28.35	8330N	NITROGLYCERIN	NO
G268DCA	MW-268	04/21/2003	PROFILE	80	80	28.35	28.35	8330N	1,3-DINITROBENZENE	NO
G268DDA	MW-268	04/22/2003	PROFILE	90	90	38.35	38.35	8330N	2,6-DINITROTOLUENE	NO
G268DDA	MW-268	04/22/2003	PROFILE	90	90	38.35	38.35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
G268DDA	MW-268	04/22/2003	PROFILE	90	90	38.35	38.35	8330N	1,3,5-TRINITROBENZENE	NO
G268DDA	MW-268	04/22/2003	PROFILE	90	90	38.35	38.35	8330N	1,3-DINITROBENZENE	NO
G268DDA	MW-268	04/22/2003	PROFILE	90	90	38.35	38.35	8330N	NITROBENZENE	NO
G268DDA	MW-268	04/22/2003	PROFILE	90	90	38.35	38.35	8330N	2,4,6-TRINITROTOLUENE	NO
G268DDA	MW-268	04/22/2003	PROFILE	90	90	38.35	38.35	OC21V	ACETONE	
G268DDA	MW-268	04/22/2003	PROFILE	90	90	38.35	38.35	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G268DDA	MW-268	04/22/2003	PROFILE	90	90	38.35	38.35	OC21V	CHLOROFORM	
G268DDA	MW-268	04/22/2003	PROFILE	90	90	38.35	38.35	8330N	2,4-DINITROTOLUENE	NO
G268DDA	MW-268	04/22/2003	PROFILE	90	90	38.35	38.35	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G268DDA	MW-268	04/22/2003	PROFILE	90	90	38.35	38.35	8330N	PICRIC ACID	NO
G268DDA	MW-268	04/22/2003	PROFILE	90	90	38.35	38.35	8330N	2-NITROTOLUENE	NO
G268DDA	MW-268	04/22/2003	PROFILE	90	90	38.35	38.35	8330N	4-NITROTOLUENE	NO
G268DDA	MW-268	04/22/2003	PROFILE	90	90	38.35	38.35	8330N	3-NITROTOLUENE	NO
G268DDA	MW-268	04/22/2003	PROFILE	90	90	38.35	38.35	8330N	NITROGLYCERIN	NO
G268DEA	MW-268	04/22/2003	PROFILE	100	100	48.35	48.35	OC21V	ACETONE	
G268DEA	MW-268	04/22/2003	PROFILE	100	100	48.35	48.35	OC21V	CHLOROFORM	

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DETECTED COMPOUNDS-UNVALIDATED  
SAMPLES COLLECTED 03/28/03 - 04/26/03**

OGDEN ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN ANALYTE	PDA
G268DEA	MW-268	04/22/2003	PROFILE	100	100	48.35	48.35	8330N	PICRIC ACID	NO
G268DEA	MW-268	04/22/2003	PROFILE	100	100	48.35	48.35	8330N	NITROGLYCERIN	NO
G268DFA	MW-268	04/22/2003	PROFILE	110	110	58.35	58.35	OC21V	CHLOROFORM	
G268DFA	MW-268	04/22/2003	PROFILE	110	110	58.35	58.35	OC21V	ACETONE	
G268DFA	MW-268	04/22/2003	PROFILE	110	110	58.35	58.35	8330N	1,3,5-TRINITROBENZENE	NO
G268DFA	MW-268	04/22/2003	PROFILE	110	110	58.35	58.35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
G268DFA	MW-268	04/22/2003	PROFILE	110	110	58.35	58.35	8330N	1,3-DINITROBENZENE	NO
G268DFA	MW-268	04/22/2003	PROFILE	110	110	58.35	58.35	8330N	NITROBENZENE	NO
G268DFA	MW-268	04/22/2003	PROFILE	110	110	58.35	58.35	8330N	2,4,6-TRINITROTOLUENE	NO
G268DFA	MW-268	04/22/2003	PROFILE	110	110	58.35	58.35	8330N	2,6-DINITROTOLUENE	NO
G268DFA	MW-268	04/22/2003	PROFILE	110	110	58.35	58.35	8330N	PICRIC ACID	NO
G268DFA	MW-268	04/22/2003	PROFILE	110	110	58.35	58.35	8330N	NITROGLYCERIN	NO
G268DGA	MW-268	04/22/2003	PROFILE	120	120	68.35	68.35	8330N	NITROGLYCERIN	NO
G268DGA	MW-268	04/22/2003	PROFILE	120	120	68.35	68.35	8330N	4-NITROTOLUENE	NO
G268DGA	MW-268	04/22/2003	PROFILE	120	120	68.35	68.35	8330N	2-NITROTOLUENE	NO
G268DGA	MW-268	04/22/2003	PROFILE	120	120	68.35	68.35	8330N	PICRIC ACID	NO
G268DGA	MW-268	04/22/2003	PROFILE	120	120	68.35	68.35	8330N	2,4-DINITROTOLUENE	NO
G268DGA	MW-268	04/22/2003	PROFILE	120	120	68.35	68.35	8330N	2,6-DINITROTOLUENE	NO
G268DGA	MW-268	04/22/2003	PROFILE	120	120	68.35	68.35	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G268DGA	MW-268	04/22/2003	PROFILE	120	120	68.35	68.35	8330N	2,4,6-TRINITROTOLUENE	NO
G268DGA	MW-268	04/22/2003	PROFILE	120	120	68.35	68.35	8330N	NITROBENZENE	NO
G268DGA	MW-268	04/22/2003	PROFILE	120	120	68.35	68.35	8330N	TETRYL	YES*

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G268DGA	MW-268	04/22/2003	PROFILE	120	120	68.35	68.35	8330N	1,3-DINITROBENZENE	NO
G268DGA	MW-268	04/22/2003	PROFILE	120	120	68.35	68.35	8330N	1,3,5-TRINITROBENZENE	NO
G268DGA	MW-268	04/22/2003	PROFILE	120	120	68.35	68.35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
G268DGA	MW-268	04/22/2003	PROFILE	120	120	68.35	68.35	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G268DGA	MW-268	04/22/2003	PROFILE	120	120	68.35	68.35	OC21V	ACETONE	
G268DGA	MW-268	04/22/2003	PROFILE	120	120	68.35	68.35	OC21V	CHLOROFORM	
G268DGA	MW-268	04/22/2003	PROFILE	120	120	68.35	68.35	OC21V	BENZENE	
G268DGA	MW-268	04/22/2003	PROFILE	120	120	68.35	68.35	OC21V	TOLUENE	
G268DHA	MW-268	04/22/2003	PROFILE	130	130	78.35	78.35	8330N	2,4-DINITROTOLUENE	NO
G268DHA	MW-268	04/22/2003	PROFILE	130	130	78.35	78.35	8330N	PICRIC ACID	NO
G268DHA	MW-268	04/22/2003	PROFILE	130	130	78.35	78.35	8330N	2-NITROTOLUENE	NO
G268DHA	MW-268	04/22/2003	PROFILE	130	130	78.35	78.35	8330N	4-NITROTOLUENE	NO
G268DHA	MW-268	04/22/2003	PROFILE	130	130	78.35	78.35	8330N	NITROGLYCERIN	NO
G268DHA	MW-268	04/22/2003	PROFILE	130	130	78.35	78.35	8330N	TETRYL	NO
G268DHA	MW-268	04/22/2003	PROFILE	130	130	78.35	78.35	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	YES*
G268DHA	MW-268	04/22/2003	PROFILE	130	130	78.35	78.35	8330N	2,6-DINITROTOLUENE	NO
G268DHA	MW-268	04/22/2003	PROFILE	130	130	78.35	78.35	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G268DHA	MW-268	04/22/2003	PROFILE	130	130	78.35	78.35	8330N	NITROBENZENE	NO
G268DHA	MW-268	04/22/2003	PROFILE	130	130	78.35	78.35	8330N	1,3-DINITROBENZENE	NO
G268DHA	MW-268	04/22/2003	PROFILE	130	130	78.35	78.35	8330N	1,3,5-TRINITROBENZENE	NO
G268DHA	MW-268	04/22/2003	PROFILE	130	130	78.35	78.35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
G268DHA	MW-268	04/22/2003	PROFILE	130	130	78.35	78.35	8330N	2,4,6-TRINITROTOLUENE	NO

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DETECTED COMPOUNDS-UNVALIDATED  
SAMPLES COLLECTED 03/28/03 - 04/26/03**

OGDEN ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN ANALYTE	PDA
G268DHA	MW-268	04/22/2003	PROFILE	130	130	78.35	78.35	OC21V	CHLOROFORM	
G268DHA	MW-268	04/22/2003	PROFILE	130	130	78.35	78.35	OC21V	CHLOROMETHANE	
G268DHA	MW-268	04/22/2003	PROFILE	130	130	78.35	78.35	OC21V	ACETONE	
G268DHA	MW-268	04/22/2003	PROFILE	130	130	78.35	78.35	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G268DIA	MW-268	04/23/2003	PROFILE	140	140	88.35	88.35	8330N	2,4,6-TRINITROTOLUENE	NO
G268DIA	MW-268	04/23/2003	PROFILE	140	140	88.35	88.35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
G268DIA	MW-268	04/23/2003	PROFILE	140	140	88.35	88.35	8330N	1,3-DINITROBENZENE	NO
G268DIA	MW-268	04/23/2003	PROFILE	140	140	88.35	88.35	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G268DIA	MW-268	04/23/2003	PROFILE	140	140	88.35	88.35	8330N	2,6-DINITROTOLUENE	NO
G268DIA	MW-268	04/23/2003	PROFILE	140	140	88.35	88.35	8330N	2,4-DINITROTOLUENE	NO
G268DIA	MW-268	04/23/2003	PROFILE	140	140	88.35	88.35	8330N	PICRIC ACID	NO
G268DIA	MW-268	04/23/2003	PROFILE	140	140	88.35	88.35	8330N	1,3,5-TRINITROBENZENE	NO
G268DIA	MW-268	04/23/2003	PROFILE	140	140	88.35	88.35	8330N	2-NITROTOLUENE	NO
G268DIA	MW-268	04/23/2003	PROFILE	140	140	88.35	88.35	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G268DIA	MW-268	04/23/2003	PROFILE	140	140	88.35	88.35	OC21V	CHLOROFORM	
G268DIA	MW-268	04/23/2003	PROFILE	140	140	88.35	88.35	OC21V	ACETONE	
G268DIA	MW-268	04/23/2003	PROFILE	140	140	88.35	88.35	8330N	3-NITROTOLUENE	NO
G268DIA	MW-268	04/23/2003	PROFILE	140	140	88.35	88.35	8330N	NITROGLYCERIN	NO
G268DIA	MW-268	04/23/2003	PROFILE	140	140	88.35	88.35	8330N	4-NITROTOLUENE	NO
G268DJA	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	8330N	PICRIC ACID	NO
G268DJA	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	OC21V	CHLOROMETHANE	
G268DJA	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	OC21V	ACETONE	

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OGDEN ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN ANALYTE	PDA
G268DJA	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G268DJA	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	8330N	2,4-DINITROTOLUENE	NO
G268DJA	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	YES*
G268DJA	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	8330N	1,3,5-TRINITROBENZENE	NO
G268DJA	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	8330N	1,3-DINITROBENZENE	NO
G268DJA	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	8330N	TETRYL	YES*
G268DJA	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	8330N	2-NITROTOLUENE	NO
G268DJA	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	8330N	4-NITROTOLUENE	NO
G268DJA	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	8330N	NITROGLYCERIN	NO
G268DJA	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	8330N	2,4,6-TRINITROTOLUENE	NO
G268DJA	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	8330N	2,6-DINITROTOLUENE	NO
G268DJD	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	OC21V	CHLOROFORM	
G268DJD	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	OC21V	CHLOROMETHANE	
G268DJD	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G268DJD	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	OC21V	ACETONE	
G268DJD	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	8330N	2,6-DINITROTOLUENE	NO
G268DJD	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	8330N	2,4-DINITROTOLUENE	NO
G268DJD	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	8330N	PICRIC ACID	NO
G268DJD	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	8330N	2-NITROTOLUENE	NO
G268DJD	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	8330N	4-NITROTOLUENE	NO
G268DJD	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	8330N	TETRYL	NO
G268DJD	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	8330N	NITROGLYCERIN	NO

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G268DJD	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	8330N	1,3-DINITROBENZENE	NO
G268DJD	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	8330N	3-NITROTOLUENE	NO
G268DJD	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	8330N	2,4,6-TRINITROTOLUENE	NO
G268DJD	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	YES*
G268DJD	MW-268	04/23/2003	PROFILE	150	150	98.35	98.35	8330N	1,3,5-TRINITROBENZENE	NO
G268DKA	MW-268	04/23/2003	PROFILE	160	160	108.35	108.35	OC21V	CHLOROMETHANE	
G268DKA	MW-268	04/23/2003	PROFILE	160	160	108.35	108.35	OC21V	ACETONE	
G268DKA	MW-268	04/23/2003	PROFILE	160	160	108.35	108.35	OC21V	CHLOROFORM	
G268DKA	MW-268	04/23/2003	PROFILE	160	160	108.35	108.35	8330N	PICRIC ACID	NO
G268DKA	MW-268	04/23/2003	PROFILE	160	160	108.35	108.35	8330N	NITROGLYCERIN	NO
G268DLA	MW-268	04/23/2003	PROFILE	170	170	118.35	118.35	OC21V	ACETONE	
G268DLA	MW-268	04/23/2003	PROFILE	170	170	118.35	118.35	OC21V	CHLOROFORM	
G268DLA	MW-268	04/23/2003	PROFILE	170	170	118.35	118.35	8330N	PICRIC ACID	NO
G268DLA	MW-268	04/23/2003	PROFILE	170	170	118.35	118.35	8330N	NITROGLYCERIN	NO
G268DMA	MW-268	04/23/2003	PROFILE	180	180	128.35	128.35	OC21V	CHLOROFORM	
G268DMA	MW-268	04/23/2003	PROFILE	180	180	128.35	128.35	OC21V	ACETONE	
G268DMA	MW-268	04/23/2003	PROFILE	180	180	128.35	128.35	8330N	2,6-DINITROTOLUENE	NO
G268DMA	MW-268	04/23/2003	PROFILE	180	180	128.35	128.35	8330N	PICRIC ACID	NO
G268DMA	MW-268	04/23/2003	PROFILE	180	180	128.35	128.35	8330N	NITROGLYCERIN	NO
G268DNA	MW-268	04/23/2003	PROFILE	190	190	138.35	138.35	OC21V	ACETONE	
G268DNA	MW-268	04/23/2003	PROFILE	190	190	138.35	138.35	OC21V	CHLOROFORM	
G268DNA	MW-268	04/23/2003	PROFILE	190	190	138.35	138.35	8330N	NITROGLYCERIN	NO

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DETECTED COMPOUNDS-UNVALIDATED  
SAMPLES COLLECTED 03/28/03 - 04/26/03**

OGDEN_ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G268DOA	MW-268	04/24/2003	PROFILE	200	200	148.35	148.35	OC21V	CHLOROMETHANE	
G268DOA	MW-268	04/24/2003	PROFILE	200	200	148.35	148.35	OC21V	ACETONE	
G268DOA	MW-268	04/24/2003	PROFILE	200	200	148.35	148.35	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G268DOA	MW-268	04/24/2003	PROFILE	200	200	148.35	148.35	OC21V	CHLOROFORM	
G268DOA	MW-268	04/24/2003	PROFILE	200	200	148.35	148.35	8330N	2,4,6-TRINITROTOLUENE	NO
G268DOA	MW-268	04/24/2003	PROFILE	200	200	148.35	148.35	8330N	2,6-DINITROTOLUENE	NO
G268DOA	MW-268	04/24/2003	PROFILE	200	200	148.35	148.35	8330N	PICRIC ACID	NO
G268DOA	MW-268	04/24/2003	PROFILE	200	200	148.35	148.35	8330N	NITROGLYCERIN	NO
G268DPA	MW-268	04/24/2003	PROFILE	207	207	155.35	155.35	OC21V	CHLOROMETHANE	
G268DPA	MW-268	04/24/2003	PROFILE	207	207	155.35	155.35	OC21V	CHLOROFORM	
G268DPA	MW-268	04/24/2003	PROFILE	207	207	155.35	155.35	OC21V	ACETONE	
G268DPA	MW-268	04/24/2003	PROFILE	207	207	155.35	155.35	8330N	NITROGLYCERIN	NO

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

SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BELOW GROUND SURFACE

SED = SAMPLE COLLECTION END DEPTH IN FEET BELOW GROUND SURFACE

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

+ = PDAs are not good matches