WEEKLY PROGRESS UPDATE
FOR AUGUST 19 – AUGUST 23, 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 August 19 through August 23, 2002.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of August 23 is summarized in Table 1.

Table 1. Drilling progress as of August 23, 2002

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-233	Base WS-4 sentry well (WS4P-2)	415	199	
MW-234	J-2 Range (J2P-12)	347	239	130-140; 110-120
MW-235	Central Impact Area (CIAP-24)	130	2	
MW-236	L Range (LP-9)	110	13	

bgs = below ground surface
bwt = below water table

Completed well installation of MW-234 (J2P-12), completed drilling of MW-233 (WS4P-2), and commenced drilling of MW-235 (CIAP-24) and MW-236 (LP-9). Continued well development for newly installed wells.

Samples collected during the reporting period are summarized in Table 2. Groundwater profile samples were collected from MW-233, MW-235 and MW-236. Groundwater samples were collected from Bourne supply, test, and monitoring wells, as part of the Site-Wide Perchlorate sampling, and as part of the August Long Term Groundwater monitoring round. Water samples and carbon samples were collected from the GAC treatment system. Post-detonation soil samples were collected at the drill pad at proposed well location LP-9.

As part of the Munitions Survey Project, pre-detonation and post-detonation soil samples were collected from the Scar Rocket site.

The following are the notes from the August 22, 2002 Technical Team meeting at the IAGWSPO:

Participants

Ben Gregson (IAGWSPO)	MAJ Bill Myer (IAGWSPO)	Tina Dolen (IAGWSPO)
Karen Wilson (IAGWSPO)	Bill Gallagher (IAGWSPO)	Dave Hill (IAGWSPO)
LTC Bill FitzPatrick (E&RC)	Todd Borci (EPA)	Len Pinaud (MADEP)
Mark Panni (MADEP-phone)	Dave Williams (MDPH)	Darrel Deleppo (ACE)
Gina Tyo (ACE)	Ed Wise (ACE)	Heather Sullivan (ACE)
Ellen Iorio (ACE)	Rob Foti (ACE)	LT Jeffrey Swartzlander (ACE)
Marc Grant (AMEC-phone)	Kim Harriz (AMEC)	Mark Applebee (AMEC)
Herb Colby (AMEC)	Maria Pologruto (AMEC)	John Rice (AMEC-phone)
Mike Goydas (Jacobs)	Susan Stewart (Tt-phone)	Mark Harding (Tribal Affairs)

Punchlist Items

#2 Provide recent test results of monitoring wells for WS-1, -2, -3 (E&RC). Results distributed at meeting. Comments to be provided next week.

#4 Discuss reporting of Perchlorate <1ppb with Dan Mahoney (Sandwich) (EPA). Sandwich Water Supply has indicated that they do not want to have the wells sampled for explosives until the issue regarding the Perchlorate reporting limit is resolved. No response from Dan Mahoney. EPA will contact Mr. Mahoney prior to next week's Tech meeting.

#6 Provide Update on SERDEP UXO Technology Demonstration Site (IAGWSPO). Dave Hill to contact George Robitaille (AEC US Army Environmental Center) regarding this project. LTC FitzPatrick to request any available information from Hap Gonser (E&RC).

#8 Provide IART presentation draft on Bourne Perchlorate investigation for EPA/DEP review before 22 Aug IART dry run (IAGWSPO). Draft scope distributed on 8/20.

#11 Provide photos and incident report regarding MMR Boundary Incursions (IAGWSPO). Distributed on 8/16.

#12 Review investigation sites for potential ecological/cultural sensitivity issues (Corps/IAGWSPO). Gina Tyo (ACE) indicated that the technical leads will be requested to review all sites with respect to these issues. Impacts to schedules will be addressed, accordingly.

MSP3 Update

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

SCAR Site. Vegetation & grubbing is completed. Surface clearance of UXO is approximately 95% complete. 50% of the geophysical survey has also been completed. BIPs of five items are scheduled for today.

N Range. Excavation of Anomalies 1, 2, 4, 5, 8, and 9 has been completed. Currently working on Anomaly 6, which appears to be a burial site, although only inert and empty items have been identified. Crews will be returning to Anomaly 7 for further investigation; Karen Wilson (IAGWSPO) will be consulted to see what areas can be cleared to gain access. Anomaly 3 has not yet been investigated. A summary list of items discovered per anomaly is as follows:

(1) Concrete slabs, probably remnant of Former K Range bunker.
(2) Metal post.
(4) Fencing wire, rocks.
(5) Seven 4.5" rockets-empty on surface; nothing in subsurface.
(6) 813 (empty) M31 HEAT Rifle Grenade Warheads, 12 unfuzed/empty 90MM M371 projectile, non-OE scrap.
(8) Assorted trash.
(9) Steel Pipe.

- Ellen Iorio (ACE) distributed an email that described some unusual analytical results (characterized by relatively high explosive and perchlorate detections) reported for post-detonation samples at the Eastern Test and Scar sites. The Corps/Guard were recommending that the soil in these areas be excavated (complete a limited removal action) and containerized ASAP. Additional post-excavation sampling could be done in accordance with the new BIP sampling plan. Nick Iaiennaro (ACE) indicated that the higher level of explosives detected may have resulted from a low-order detonation because of the use of the incorrect charge. Perchlorate may have been contributed by the smoke charge from the M804 LITR round. Todd Borci (EPA) requested information on the boosters or shape charges that were used; this information is usually included in Mr. Iaiennaro's table summarizing BIP activity. Ms. Iorio to follow-up with information and removal action.

Demo 1 Area Groundwater

Heather Sullivan (ACE) led a discussion on proposed well locations to determine the toe of the plume. A map was distributed showing a revised plume map based on a recent detection of perchlorate at MW-225.

- Because of a software glitch, Perchlorate profile results for MW-225 were incorrectly reported. Rush groundwater results received this week showed a detection of Perchlorate at MW-225M3 of 2.9 ppb.
- As a result of this detect, indicating that MW-225 is at the center of the plume, D1P-15 was relocated back to its original proposed location north of MW-225.
- Two additional, downgradient wells are being scoped. The most accessible area west of the current line of monitoring wells is a power line break located approximately 1250 ft west. The area of interest is particularly steep, which may prove to be difficult for drill rig access. Access via Fredrikson Road from the north is a possibility.
- EPA/MADEP agreed that non-detects at wells installed downgradient along the power line should provide agencies enough information to move forward on the Interim Action.
- The next step for the Corps/AMEC is to scout appropriate locations, stake, and scope easiest access. The two proposed locations to be discussed as an agenda item next week, 8/29 Tech meeting.
- Len Pinaud (MADEP) suggested that the Corps coordinate access to the power line easement with the Power Company immediately and alert him of any difficulties ASAP, so that this issue does not impact the drilling schedule.
- UXO clearance is scheduled to begin tomorrow 8/23 at D1P-15. Drilling at this location should commence in approximately 2 weeks. MW-231 (D1P-14) groundwater results are due next week.

Central Impact Area Additional Wells

Heather Sullivan (ACE) led the discussion regarding Central Impact Area issues.

- Based on a site walk to scope the three proposed well locations the following changes were recommended:

  CIAP-27 (Change proposed name to CIAP-14, since this location is already funded and can be prioritized). Recommend 250 feet northeast at the intersection of the existing road with Avery Road. Agencies agreed that this was probably OK.

  CIAP-14 (Change proposed name to CIAP-27). Located downgradient of MW-205, 75 ft south (possibly more) of previously proposed location on Pocasset/Sandwich Road. This moves the location off of the particle track.

  CIAP-28 The proposed location approximately 600 ft east of MW-205 on Wood Road would be hard to access. Todd Borci (EPA) requested that it then be moved closer to MW-205 rather than further east.

- Heather Sullivan to have new proposed locations placed on a figure and summarize changes. Proposed well numbers to be switched as requested.
- Len Pinaud (MADEP) indicated that with the addition of these wells and pending results, this effort seemed sufficient to complete delineation of the explosives plume in the Central Impact Area.
- EPA to review Soil OU schedule and provide comment.
- Heather Sullivan indicated that the groundwater schedule will be updated with the additional well installations. Schedules to be revised prior to the September 19th deadline for an extension request.
- Target soil results to be provided to agencies in a "Hits Only" table and map when prepared. This information will then be incorporated in the Soil Report.
- Final proposed well locations and schedules to be discussed at the 8-29 Tech meeting.

Bourne Update

Bill Gallagher (IAGWSPO) led the discussion regarding the Bourne area investigations.

- The Guard has proposed 3 new wells for additional delineation of Perchlorate in the Bourne area. Two wells are upgradient, one well is located between 02-13 and Bourne Water Supply Well #1. Thirteen contingency wells, that may or may not be installed, have also been proposed. Soil sampling has also been proposed at several Mortar Positions in the general upgradient area. Information from the site reconnaissance that the Corps completed with EPA will be reviewed to identify other specific areas that warrant further investigation with limited soil sampling. Ongoing MSP3 work in the vicinity may also result in additional sampling. The existing data is still being evaluated. Particle tracks from existing groundwater detects will help to focus additional soil sampling. Ellen Iorio (ACE) to provide map from earlier site reconnaissance to agencies.
- Heather Sullivan indicated that a Workplan schedule will be provided by the 8/29 Tech meeting. Todd Borci requested that a date for commencement of well installation be identified at that time. Mr. Gallagher noted that one well (BP-2) was currently funded and drilling of this well could proceed prior to finalizing the Workplan.

Miscellaneous

- Heather Sullivan distributed the current ROA status table. Approval was recently received on several wells and the GPiR Survey at the Gun and Mortar Positions.
- Todd Borci noted that there was no official schedule for J-2 Range investigation. To be discussed at the J-1/J-3, L Range CRM after the Tech meeting.

2. SUMMARY OF DATA RECEIVED

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

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

- Groundwater samples from 90MW0034 (Southeast of the Ranges) had detections of 1,3,5-trinitrobenzene, 1,3-dinitrobenzene, RDX, MNX, nitroglycerin, PETN, and picric acid. This is the first analysis with method 8330NX and the first detection of MNX in this well. The detections of RDX and MNX were confirmed by PDA spectra, but with interference. Although there have been previous detections of explosives in this well, none have been validated detects.

- Groundwater samples from MW-103M2 (Central Impact Area) had a detection of nitroglycerin that was not confirmed by PDA spectra. The results were similar to previous sampling rounds.

- Groundwater samples from MW-76M1, M2, S; MW-129M2; MW-165M2 (Demo Area 1); MW-23M1; and MW-39M2 (Central Impact Area) had detections of RDX and HMX that were confirmed by PDA spectra. The results were similar to previous sampling rounds.

- Groundwater samples from MW-161S (Demo Area 2); MW-37M2, M3; and MW-40M1, and MW-86M2 (Central Impact Area) had detections of RDX that were confirmed by PDA spectra. This is the first analysis with method 8330NX at these wells and results were similar to previous sampling rounds.

- Groundwater samples from MW-34M1, M2; MW-75M2 and duplicate; MW-78M2 (Demo Area 1); MW-43M2; and MW-50M1 (Central Impact Area); had detections of RDX that were confirmed by PDA spectra. The results were similar to previous sampling rounds.

- Groundwater samples from MW-86S (Central Impact Area) had a detection of HMX that was confirmed by PDA spectra. This is the first analysis with method 8330NX and the first detection of HMX at this well.

- Groundwater samples from the Schooner Pass well (Northwest of base), and MW-78M1 and duplicate (Demo Area 1) had detections of RDX that were confirmed by PDA spectra. This is the first time RDX has been detected in these wells.

- Groundwater samples from MW-73S (Demo Area 1) had detections of TNT, 2A-DNT, 4A-DNT, RDX, MNX, and HMX that were confirmed by PDA spectra. The results were similar to previous sampling rounds.

- Groundwater profile samples from MW-233 (WS4P-2) had detections of 1,3,5-trinitrobenzene (1 interval), 1,3-dinitrobenzene (4 intervals), 2,6-DNT (1 interval), 2A-DNT (1 interval), 3-nitrotoluene (6 intervals), 4A-DNT (6 intervals), RDX (1 interval), nitroglycerin (17 intervals), picric acid (11 intervals), perchlorate (3 intervals), 1,2,4-trichlorobenzene (2

intervals), 2-hexanone (7 intervals), acetone (19 intervals), chloroform (11 intervals), chloromethane (3 intervals), methyl ethyl ketone (17 intervals), and methyl isobutyl ketone (2 intervals). None of the explosives detections were confirmed by PDA spectra.

3. DELIVERABLES SUBMITTED

No documents were submitted for the week of August 19 – August 23, 2002.

4. SCHEDULED ACTIONS

Scheduled actions for the week of August 26 include commence well installation of MW-233 (WS4P-2), and complete drilling of MW-235 (CIAP-24) and MW-236 (LP-9).

5. 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.

TABLE 2
SAMPLING PROGRESS
08/17/2002 - 08/23/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HDA08210201AA	A082102A	08/22/2002	CRATER GRAB	0.00	0.25		
G233DSE	FIELDQC	08/20/2002	FIELDQC	0.00	0.00		
G233DST	FIELDQC	08/20/2002	FIELDQC	0.00	0.00		
G233DTE	FIELDQC	08/21/2002	FIELDQC	0.00	0.00		
G235DAE	FIELDQC	08/23/2002	FIELDQC				
HDA08210201AE	FIELDQC	08/22/2002	FIELDQC	0.00	0.00		
HDA08210201AT	FIELDQC	08/22/2002	FIELDQC	0.00	0.00		
TW1-88AE	FIELDQC	08/21/2002	FIELDQC	0.00	0.00		
W219M2T	FIELDQC	08/21/2002	FIELDQC	0.00	0.00		
4036000-01G	4036000-01G	08/21/2002	GROUNDWATER				
4036000-03G	4036000-03G	08/21/2002	GROUNDWATER				
4036000-04G	4036000-04G	08/21/2002	GROUNDWATER				
4036000-06G	4036000-06G	08/21/2002	GROUNDWATER				
M-1BAA	M-1	08/21/2002	GROUNDWATER	45.00	45.00	2.15	2.15
M-1CAA	M-1	08/21/2002	GROUNDWATER	55.00	55.00	12.15	12.15
M-1DAA	M-1	08/21/2002	GROUNDWATER	65.00	65.00	12.80	12.80
M-2BAA	M-2	08/22/2002	GROUNDWATER	65.00	65.00	3.40	3.40
M-2CAA	M-2	08/22/2002	GROUNDWATER	75.00	75.00	13.40	13.40
M-2DAA	M-2	08/21/2002	GROUNDWATER	85.00	85.00	23.40	23.40
M-3BAA	M-3	08/22/2002	GROUNDWATER	65.00	65.00	6.72	6.72
M-3CAA	M-3	08/22/2002	GROUNDWATER	75.00	75.00	16.72	16.72
M-3DAA	M-3	08/22/2002	GROUNDWATER	85.00	85.00	26.72	26.72
M-4BAA	M-4	08/23/2002	GROUNDWATER	69.00	69.00	8.20	8.20
M-4CAA	M-4	08/23/2002	GROUNDWATER	79.00	79.00	18.20	18.20
M-4DAA	M-4	08/22/2002	GROUNDWATER	89.00	89.00	28.21	28.21
M-5BAA	M-5	08/23/2002	GROUNDWATER	65.00	65.00	7.20	7.20
M-5BAD	M-5	08/23/2002	GROUNDWATER	65.00	65.00	7.20	7.20
M-5CAA	M-5	08/23/2002	GROUNDWATER	75.00	75.00	17.20	17.20
M-5DAA	M-5	08/23/2002	GROUNDWATER	85.00	85.00	27.20	27.20
M-7BAA	M-7	08/21/2002	GROUNDWATER	59.00	59.00	14.40	14.40
M-7CAA	M-7	08/21/2002	GROUNDWATER	65.00	65.00	7.60	7.60
M-7DAA	M-7	08/21/2002	GROUNDWATER	75.00	75.00	17.60	17.60
TW00-6-A	00-6	08/23/2002	GROUNDWATER	36.00	42.00	10.50	16.50
TW00-7-A	00-7	08/22/2002	GROUNDWATER	57.00	63.00	25.50	31.50
TW01-1-A	01-1	08/23/2002	GROUNDWATER				
TW01-2-A	01-2	08/23/2002	GROUNDWATER				
TW1-88AA	1-88	08/21/2002	GROUNDWATER	98.00	103.00	36.40	36.40
TW1-88B-A	1-88	08/22/2002	GROUNDWATER		101.00		65.05
W02-12M1A	02-12	08/21/2002	GROUNDWATER	109.00	119.00	58.35	68.35
W02-12M1D	02-12	08/21/2002	GROUNDWATER	109.00	119.00	58.35	68.35
W02-12M2A	02-12	08/21/2002	GROUNDWATER	94.00	104.00	43.21	53.21
W02-12M3A	02-12	08/21/2002	GROUNDWATER	79.00	89.00	28.22	38.22
W02-13M1A	02-13	08/21/2002	GROUNDWATER	98.00	108.00	56.70	66.70
W02-13M2A	02-13	08/21/2002	GROUNDWATER	83.00	93.00	41.65	51.65

Profiling methods include: Volatiles, Explosives and Perchlorate
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
SED = Sample End Depth, measured in feet bgs
BWTS = Depth below water table, start depth, measured in feet
BWTE = Depth below water table, end depth, measured in feet

TABLE 2
SAMPLING PROGRESS
08/17/2002 - 08/23/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W02-13M3A	02-13	08/21/2002	GROUNDWATER	68.00	78.00	26.90	36.90
W02-13M3D	02-13	08/21/2002	GROUNDWATER	68.00	78.00	26.90	36.90
W116SSA	MW-116	08/22/2002	GROUNDWATER	102.00	112.00	0.00	10.00
W119SSA	MW-119	08/23/2002	GROUNDWATER	103.00	113.00	0.00	10.00
W120SSA	MW-120	08/23/2002	GROUNDWATER	103.00	113.00	0.00	10.00
W121SSA	MW-121	08/19/2002	GROUNDWATER	87.95	97.95	0.00	10.00
W127SSA	MW-127	08/23/2002	GROUNDWATER	99.00	109.00	0.00	10.00
W129M1A	MW-129	08/19/2002	GROUNDWATER	136.00	146.00	66.00	76.00
W129M2A	MW-129	08/19/2002	GROUNDWATER	116.00	126.00	46.00	56.00
W129M3A	MW-129	08/19/2002	GROUNDWATER	96.00	106.00	26.00	36.00
W129M3D	MW-129	08/19/2002	GROUNDWATER	96.00	106.00	26.00	36.00
W131M1A	MW-131	08/23/2002	GROUNDWATER	300.00	310.00	204.00	214.00
W131M1D	MW-131	08/23/2002	GROUNDWATER	300.00	310.00	204.00	214.00
W131M2A	MW-131	08/23/2002	GROUNDWATER	195.00	205.00	99.00	109.00
W154M1A	MW-154	08/22/2002	GROUNDWATER	187.00	192.00	91.00	96.00
W154SSA	MW-154	08/22/2002	GROUNDWATER	98.00	108.00	0.00	10.00
W158M1A	MW-158	08/22/2002	GROUNDWATER	176.00	186.00	89.00	99.00
W158M2A	MW-158	08/22/2002	GROUNDWATER	124.50	134.50	37.00	47.00
W158SSA	MW-158	08/22/2002	GROUNDWATER	89.00	99.00	2.00	12.00
W159M1A	MW-159	08/19/2002	GROUNDWATER	178.50	188.50	53.00	63.00
W159SSA	MW-159	08/19/2002	GROUNDWATER	126.30	136.30	1.00	11.00
W180M1A	MW-180	08/19/2002	GROUNDWATER	300.00	310.00	139.20	149.20
W180M1D	MW-180	08/19/2002	GROUNDWATER	300.00	310.00	139.20	149.20
W180M2A	MW-180	08/19/2002	GROUNDWATER	195.00	205.00	34.50	44.50
W180M2D	MW-180	08/19/2002	GROUNDWATER	195.00	205.00	34.50	44.50
W180M3A	MW-180	08/19/2002	GROUNDWATER	171.00	181.00	10.30	20.30
W183M1A	MW-183	08/19/2002	GROUNDWATER	286.00	296.00	103.90	113.90
W183M2A	MW-183	08/19/2002	GROUNDWATER	270.00	280.00	87.90	97.90
W185M1A	MW-185	08/19/2002	GROUNDWATER	247.00	257.00	110.90	120.90
W185M2A	MW-185	08/19/2002	GROUNDWATER	156.00	166.00	19.50	29.50
W219M1A	MW-219	08/20/2002	GROUNDWATER	357.00	367.00	178.00	188.00
W219M2A	MW-219	08/21/2002	GROUNDWATER	332.00	342.00	152.05	162.05
W219M3A	MW-219	08/21/2002	GROUNDWATER	315.00	325.00	135.70	145.70
W219M4A	MW-219	08/21/2002	GROUNDWATER	225.00	235.00	45.70	55.70
W34M1A	MW-34	08/20/2002	GROUNDWATER	151.00	161.00	73.00	83.00
W34M2A	MW-34	08/20/2002	GROUNDWATER	131.00	141.00	53.00	63.00
W34M3A	MW-34	08/20/2002	GROUNDWATER	111.00	121.00	33.00	43.00
W35M1A	MW-35	08/19/2002	GROUNDWATER	155.00	165.00	68.00	78.00
W35M2A	MW-35	08/20/2002	GROUNDWATER	100.00	110.00	13.00	23.00
W48M1A	MW-48	08/20/2002	GROUNDWATER	191.00	201.00	91.00	101.00
W48M2A	MW-48	08/20/2002	GROUNDWATER	161.00	171.00	61.00	71.00
W48M3A	MW-48	08/20/2002	GROUNDWATER	131.50	141.50	31.00	41.00
W51DDA	MW-51	08/20/2002	GROUNDWATER	264.00	274.00	118.00	128.00
W51M1A	MW-51	08/20/2002	GROUNDWATER	234.00	244.00	88.00	98.00

Profiling methods include: Volatiles, Explosives and Perchlorate
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
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08/17/2002 - 08/23/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W51M2A	MW-51	08/20/2002	GROUNDWATER	203.00	213.00	58.00	68.00
W51M3A	MW-51	08/20/2002	GROUNDWATER	173.00	183.00	28.00	38.00
W73SSA	MW-73	08/20/2002	GROUNDWATER	38.50	48.50	0.00	10.00
W75M1A	MW-75	08/19/2002	GROUNDWATER	140.00	150.00	59.00	69.00
W75M2A	MW-75	08/19/2002	GROUNDWATER	115.00	125.00	34.00	44.00
W75M2D	MW-75	08/19/2002	GROUNDWATER	115.00	125.00	34.00	44.00
W75SSA	MW-75	08/20/2002	GROUNDWATER	81.00	91.00	0.00	10.00
W76M1A	MW-76	08/19/2002	GROUNDWATER	125.00	135.00	58.00	68.00
W76M2A	MW-76	08/19/2002	GROUNDWATER	105.00	115.00	38.00	48.00
W76SSA	MW-76	08/20/2002	GROUNDWATER	85.00	95.00	18.00	28.00
W78M1A	MW-78	08/20/2002	GROUNDWATER	135.00	145.00	58.00	68.00
W78M1D	MW-78	08/20/2002	GROUNDWATER	135.00	145.00	58.00	68.00
W78M2A	MW-78	08/20/2002	GROUNDWATER	115.00	125.00	38.00	48.00
W78M3A	MW-78	08/20/2002	GROUNDWATER	85.00	95.00	8.00	18.00
DW082102-NV	GAC WATER	08/21/2002	IDW				
DW082201-NV	GAC WATER	08/22/2002	IDW				
DW082202-NV	GAC WATER	08/22/2002	IDW				
PW1CARBON1-A	GAC WATER	08/20/2002	IDW				
G233DSA	MW-233	08/20/2002	PROFILE	400.00	400.00	183.55	183.55
G233DTA	MW-233	08/21/2002	PROFILE	410.00	410.00	193.55	193.55
G233DUA	MW-233	08/21/2002	PROFILE	415.00	415.00	198.55	198.55
G235DAA	MW-235	08/23/2002	PROFILE	130.00	130.00	1.50	1.50
G236DAA	MW-236	08/23/2002	PROFILE	110.00	110.00	12.50	12.50
SR.A.C10.005.1.0	SR.C10.005.R	08/22/2002	CRATER GRID	0.00	0.17		
SR.A.C10.005.2.0	SR.C10.005.R	08/22/2002	CRATER GRID	2.83	3.00		
SR.A.C10.005.3.0	SR.C10.005.R	08/22/2002	CRATER GRAB	2.83	3.00		
SR.A.D10.021.1.0	SR.D10.021.R	08/22/2002	CRATER GRID	0.00	0.17		
SR.A.D10.021.2.0	SR.D10.021.R	08/22/2002	CRATER GRID	3.00	3.17		
SR.A.D10.021.3.0	SR.D10.021.R	08/22/2002	CRATER GRAB	3.00	3.17		
SR.A.D10.021.3.D	SR.D10.021.R	08/22/2002	CRATER GRAB	3.00	3.17		
SR.A.D6.018.1.0	SR.C6.026.R	08/22/2002	CRATER GRID	0.00	0.17		
SR.A.D6.018.2.0	SR.C6.026.R	08/22/2002	CRATER GRID	1.00	1.17		
SR.A.D6.018.3.0	SR.C6.026.R	08/22/2002	CRATER GRAB	1.00	1.17		
SR.A.E8.001.1.0	SR.E8.001.R	08/22/2002	CRATER GRID	0.00	0.17		
SR.A.E8.001.2.0	SR.E8.001.R	08/22/2002	CRATER GRID	1.00	1.17		
SR.A.E8.001.3.0	SR.E8.001.R	08/22/2002	CRATER GRAB	1.00	1.17		
SR.A.F6.004.1.0	SR.F6.004.R	08/22/2002	CRATER GRID	0.00	0.17		
SR.A.F6.004.2.0	SR.F6.004.R	08/22/2002	CRATER GRID	3.00	3.17		
SR.A.F6.004.3.0	SR.F6.004.R	08/22/2002	CRATER GRAB	3.00	3.17		

Profiling methods include: Volatiles, Explosives and Perchlorate
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
SED = Sample End Depth, measured in feet bgs
BWTS = Depth below water table, start depth, measured in feet
BWTE = Depth below water table, end depth, measured in feet

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 08/02/02 - 08/23/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
90MW0034-A	90MW0034	08/13/2002	GROUNDWATEF	93.71	98.59	25.46	30.34	8330NX	1,3,5-TRINITROBENZENE	NO
90MW0034-A	90MW0034	08/13/2002	GROUNDWATEF	93.71	98.59	25.46	30.34	8330NX	1,3-DINITROBENZENE	NO
90MW0034-A	90MW0034	08/13/2002	GROUNDWATEF	93.71	98.59	25.46	30.34	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,	YES*
90MW0034-A	90MW0034	08/13/2002	GROUNDWATEF	93.71	98.59	25.46	30.34	8330NX	HEXAHYDRO-1-MONONITROSO	YES*
90MW0034-A	90MW0034	08/13/2002	GROUNDWATEF	93.71	98.59	25.46	30.34	8330NX	NITROGLYCERIN	NO
90MW0034-A	90MW0034	08/13/2002	GROUNDWATEF	93.71	98.59	25.46	30.34	8330NX	PENTAERYTHRITOL TETRANITI	NO
90MW0034-A	90MW0034	08/13/2002	GROUNDWATEF	93.71	98.59	25.46	30.34	8330NX	PICRIC ACID	NO
W103M2A	MW-103	08/12/2002	GROUNDWATEF	282.00	292.00	140.00	150.00	8330N	NITROGLYCERIN	NO
W129M2A	MW-129	08/19/2002	GROUNDWATEF	116.00	126.00	46.00	56.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W129M2A	MW-129	08/19/2002	GROUNDWATEF	116.00	126.00	46.00	56.00	8330N	OCTAHYDRO-1,3,5,7-TETRANIT	YES
W161SSA	MW-161	08/13/2002	GROUNDWATEF	145.50	155.50	6.00	16.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W165M2A	MW-165	08/10/2002	GROUNDWATEF	124.50	134.50	46.00	56.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W165M2A	MW-165	08/10/2002	GROUNDWATEF	124.50	134.50	46.00	56.00	8330N	OCTAHYDRO-1,3,5,7-TETRANIT	YES
W23M1A	MW-23	08/15/2002	GROUNDWATEF	225.00	235.00	103.00	113.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W23M1A	MW-23	08/15/2002	GROUNDWATEF	225.00	235.00	103.00	113.00	8330NX	OCTAHYDRO-1,3,5,7-TETRANIT	YES
W34M1A	MW-34	08/20/2002	GROUNDWATEF	151.00	161.00	73.00	83.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W34M2A	MW-34	08/20/2002	GROUNDWATEF	131.00	141.00	53.00	63.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W37M2A	MW-37	08/13/2002	GROUNDWATEF	145.00	155.00	26.00	36.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W37M3A	MW-37	08/13/2002	GROUNDWATEF	130.00	140.00	11.00	21.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W39M2A	MW-39	08/15/2002	GROUNDWATEF	175.00	185.00	39.00	49.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W39M2A	MW-39	08/15/2002	GROUNDWATEF	175.00	185.00	39.00	49.00	8330NX	OCTAHYDRO-1,3,5,7-TETRANIT	YES
W40M1A	MW-40	08/13/2002	GROUNDWATEF	132.50	142.50	13.00	23.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W43M2A	MW-43	08/16/2002	GROUNDWATEF	200.00	210.00	67.00	77.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W50M1A	MW-50	08/14/2002	GROUNDWATEF	207.00	217.00	89.00	99.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W73SSA	MW-73	08/20/2002	GROUNDWATEF	38.50	48.50	0.00	10.00	8330NX	2,4,6-TRINITROTOLUENE	YES
W73SSA	MW-73	08/20/2002	GROUNDWATEF	38.50	48.50	0.00	10.00	8330NX	2-AMINO-4,6-DINITROTOLUENE	YES
W73SSA	MW-73	08/20/2002	GROUNDWATEF	38.50	48.50	0.00	10.00	8330NX	4-AMINO-2,6-DINITROTOLUENE	YES
W73SSA	MW-73	08/20/2002	GROUNDWATEF	38.50	48.50	0.00	10.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W73SSA	MW-73	08/20/2002	GROUNDWATEF	38.50	48.50	0.00	10.00	8330NX	HEXAHYDRO-1-MONONITROSO	YES
W73SSA	MW-73	08/20/2002	GROUNDWATEF	38.50	48.50	0.00	10.00	8330NX	OCTAHYDRO-1,3,5,7-TETRANIT	YES
W75M2A	MW-75	08/19/2002	GROUNDWATEF	115.00	125.00	34.00	44.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W75M2D	MW-75	08/19/2002	GROUNDWATEF	115.00	125.00	34.00	44.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES

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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 08/02/02 - 08/23/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W76M1A	MW-76	08/19/2002	GROUNDWATEF	125.00	135.00	58.00	68.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W76M1A	MW-76	08/19/2002	GROUNDWATEF	125.00	135.00	58.00	68.00	8330N	OCTAHYDRO-1,3,5,7-TETRANIT	YES
W76M2A	MW-76	08/19/2002	GROUNDWATEF	105.00	115.00	38.00	48.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W76M2A	MW-76	08/19/2002	GROUNDWATEF	105.00	115.00	38.00	48.00	8330N	OCTAHYDRO-1,3,5,7-TETRANIT	YES
W76SSA	MW-76	08/20/2002	GROUNDWATEF	85.00	95.00	18.00	28.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W76SSA	MW-76	08/20/2002	GROUNDWATEF	85.00	95.00	18.00	28.00	8330N	OCTAHYDRO-1,3,5,7-TETRANIT	YES
W78M1A	MW-78	08/20/2002	GROUNDWATEF	135.00	145.00	58.00	68.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W78M1D	MW-78	08/20/2002	GROUNDWATEF	135.00	145.00	58.00	68.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W78M2A	MW-78	08/20/2002	GROUNDWATEF	115.00	125.00	38.00	48.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W86M2A	MW-86	08/16/2002	GROUNDWATEF	158.00	168.00	16.00	26.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W86SSA	MW-86	08/16/2002	GROUNDWATEF	143.00	153.00	1.00	11.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W86SSA	MW-86	08/16/2002	GROUNDWATEF	143.00	153.00	1.00	11.00	8330NX	OCTAHYDRO-1,3,5,7-TETRANIT	YES
XXWSCN-A	XXWSCN	08/16/2002	GROUNDWATEF					8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
G233DAA	MW-233	08/06/2002	PROFILE	220.00	220.00	3.55	3.55	8330N	1,3,5-TRINITROBENZENE	NO
G233DAA	MW-233	08/06/2002	PROFILE	220.00	220.00	3.55	3.55	8330N	1,3-DINITROBENZENE	NO
G233DAA	MW-233	08/06/2002	PROFILE	220.00	220.00	3.55	3.55	8330N	2,6-DINITROTOLUENE	NO
G233DAA	MW-233	08/06/2002	PROFILE	220.00	220.00	3.55	3.55	8330N	3-NITROTOLUENE	NO
G233DAA	MW-233	08/06/2002	PROFILE	220.00	220.00	3.55	3.55	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G233DAA	MW-233	08/06/2002	PROFILE	220.00	220.00	3.55	3.55	8330N	NITROGLYCERIN	NO
G233DAA	MW-233	08/06/2002	PROFILE	220.00	220.00	3.55	3.55	8330N	PICRIC ACID	NO
G233DAA	MW-233	08/06/2002	PROFILE	220.00	220.00	3.55	3.55	OC21V	1,2,4-TRICHLOROBENZENE	
G233DAA	MW-233	08/06/2002	PROFILE	220.00	220.00	3.55	3.55	OC21V	2-HEXANONE	
G233DAA	MW-233	08/06/2002	PROFILE	220.00	220.00	3.55	3.55	OC21V	ACETONE	
G233DAA	MW-233	08/06/2002	PROFILE	220.00	220.00	3.55	3.55	OC21V	METHYL ETHYL KETONE (2-BUT	
G233DBA	MW-233	08/07/2002	PROFILE	230.00	230.00	13.55	13.55	8330N	3-NITROTOLUENE	NO
G233DBA	MW-233	08/07/2002	PROFILE	230.00	230.00	13.55	13.55	8330N	NITROGLYCERIN	NO
G233DBA	MW-233	08/07/2002	PROFILE	230.00	230.00	13.55	13.55	8330N	PICRIC ACID	NO
G233DBA	MW-233	08/07/2002	PROFILE	230.00	230.00	13.55	13.55	E314.0	PERCHLORATE	
G233DBA	MW-233	08/07/2002	PROFILE	230.00	230.00	13.55	13.55	OC21V	CHLOROFORM	
G233DCA	MW-233	08/07/2002	PROFILE	240.00	240.00	23.55	23.55	E314.0	PERCHLORATE	
G233DCA	MW-233	08/07/2002	PROFILE	240.00	240.00	23.55	23.55	OC21V	ACETONE	
G233DCA	MW-233	08/07/2002	PROFILE	240.00	240.00	23.55	23.55	OC21V	CHLOROFORM	

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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

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 08/02/02 - 08/23/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G233DCA	MW-233	08/07/2002	PROFILE	240.00	240.00	23.55	23.55	OC21V	METHYL ETHYL KETONE (2-BUT	
G233DDA	MW-233	08/07/2002	PROFILE	250.00	250.00	33.55	33.55	E314.0	PERCHLORATE	
G233DDA	MW-233	08/07/2002	PROFILE	250.00	250.00	33.55	33.55	OC21V	CHLOROFORM	
G233DEA	MW-233	08/07/2002	PROFILE	260.00	260.00	43.55	43.55	8330N	NITROGLYCERIN	NO
G233DEA	MW-233	08/07/2002	PROFILE	260.00	260.00	43.55	43.55	8330N	PICRIC ACID	NO
G233DEA	MW-233	08/07/2002	PROFILE	260.00	260.00	43.55	43.55	OC21V	ACETONE	
G233DFA	MW-233	08/07/2002	PROFILE	270.00	270.00	53.55	53.55	8330N	NITROGLYCERIN	NO
G233DFA	MW-233	08/07/2002	PROFILE	270.00	270.00	53.55	53.55	8330N	PICRIC ACID	NO
G233DFA	MW-233	08/07/2002	PROFILE	270.00	270.00	53.55	53.55	OC21V	ACETONE	
G233DFA	MW-233	08/07/2002	PROFILE	270.00	270.00	53.55	53.55	OC21V	CHLOROFORM	
G233DGA	MW-233	08/08/2002	PROFILE	280.00	280.00	63.55	63.55	OC21V	ACETONE	
G233DGA	MW-233	08/08/2002	PROFILE	280.00	280.00	63.55	63.55	OC21V	CHLOROFORM	
G233DGA	MW-233	08/08/2002	PROFILE	280.00	280.00	63.55	63.55	OC21V	METHYL ETHYL KETONE (2-BUT	
G233DGD	MW-233	08/08/2002	PROFILE	280.00	280.00	63.55	63.55	8330N	NITROGLYCERIN	NO
G233DGD	MW-233	08/08/2002	PROFILE	280.00	280.00	63.55	63.55	OC21V	ACETONE	
G233DGD	MW-233	08/08/2002	PROFILE	280.00	280.00	63.55	63.55	OC21V	METHYL ETHYL KETONE (2-BUT	
G233DHA	MW-233	08/08/2002	PROFILE	290.00	290.00	73.55	73.55	OC21V	ACETONE	
G233DHA	MW-233	08/08/2002	PROFILE	290.00	290.00	73.55	73.55	OC21V	CHLOROFORM	
G233DHA	MW-233	08/08/2002	PROFILE	290.00	290.00	73.55	73.55	OC21V	CHLOROMETHANE	
G233DHA	MW-233	08/08/2002	PROFILE	290.00	290.00	73.55	73.55	OC21V	METHYL ETHYL KETONE (2-BUT	
G233DIA	MW-233	08/08/2002	PROFILE	300.00	300.00	83.55	83.55	8330N	NITROGLYCERIN	NO
G233DIA	MW-233	08/08/2002	PROFILE	300.00	300.00	83.55	83.55	OC21V	ACETONE	
G233DIA	MW-233	08/08/2002	PROFILE	300.00	300.00	83.55	83.55	OC21V	METHYL ETHYL KETONE (2-BUT	
G233DJA	MW-233	08/09/2002	PROFILE	310.00	310.00	93.55	93.55	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G233DJA	MW-233	08/09/2002	PROFILE	310.00	310.00	93.55	93.55	8330N	NITROGLYCERIN	NO
G233DJA	MW-233	08/09/2002	PROFILE	310.00	310.00	93.55	93.55	OC21V	ACETONE	
G233DJA	MW-233	08/09/2002	PROFILE	310.00	310.00	93.55	93.55	OC21V	METHYL ETHYL KETONE (2-BUT	
G233DKA	MW-233	08/09/2002	PROFILE	320.00	320.00	103.55	103.55	8330N	3-NITROTOLUENE	NO
G233DKA	MW-233	08/09/2002	PROFILE	320.00	320.00	103.55	103.55	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G233DKA	MW-233	08/09/2002	PROFILE	320.00	320.00	103.55	103.55	8330N	NITROGLYCERIN	NO
G233DKA	MW-233	08/09/2002	PROFILE	320.00	320.00	103.55	103.55	8330N	PICRIC ACID	NO
G233DKA	MW-233	08/09/2002	PROFILE	320.00	320.00	103.55	103.55	OC21V	2-HEXANONE	

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* = Interference in sample

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DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 08/02/02 - 08/23/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G233DKA	MW-233	08/09/2002	PROFILE	320.00	320.00	103.55	103.55	OC21V	ACETONE	
G233DKA	MW-233	08/09/2002	PROFILE	320.00	320.00	103.55	103.55	OC21V	METHYL ETHYL KETONE (2-BUT	
G233DLA	MW-233	08/09/2002	PROFILE	330.00	330.00	113.55	113.55	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G233DLA	MW-233	08/09/2002	PROFILE	330.00	330.00	113.55	113.55	8330N	NITROGLYCERIN	NO
G233DLA	MW-233	08/09/2002	PROFILE	330.00	330.00	113.55	113.55	8330N	PICRIC ACID	NO
G233DLA	MW-233	08/09/2002	PROFILE	330.00	330.00	113.55	113.55	OC21V	2-HEXANONE	
G233DLA	MW-233	08/09/2002	PROFILE	330.00	330.00	113.55	113.55	OC21V	ACETONE	
G233DLA	MW-233	08/09/2002	PROFILE	330.00	330.00	113.55	113.55	OC21V	CHLOROFORM	
G233DLA	MW-233	08/09/2002	PROFILE	330.00	330.00	113.55	113.55	OC21V	METHYL ETHYL KETONE (2-BUT	
G233DMA	MW-233	08/14/2002	PROFILE	340.00	340.00	123.55	123.55	8330N	1,3-DINITROBENZENE	NO
G233DMA	MW-233	08/14/2002	PROFILE	340.00	340.00	123.55	123.55	8330N	3-NITROTOLUENE	NO
G233DMA	MW-233	08/14/2002	PROFILE	340.00	340.00	123.55	123.55	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G233DMA	MW-233	08/14/2002	PROFILE	340.00	340.00	123.55	123.55	8330N	NITROGLYCERIN	NO
G233DMA	MW-233	08/14/2002	PROFILE	340.00	340.00	123.55	123.55	8330N	PICRIC ACID	NO
G233DMA	MW-233	08/14/2002	PROFILE	340.00	340.00	123.55	123.55	OC21V	2-HEXANONE	
G233DMA	MW-233	08/14/2002	PROFILE	340.00	340.00	123.55	123.55	OC21V	ACETONE	
G233DMA	MW-233	08/14/2002	PROFILE	340.00	340.00	123.55	123.55	OC21V	CHLOROFORM	
G233DMA	MW-233	08/14/2002	PROFILE	340.00	340.00	123.55	123.55	OC21V	CHLOROMETHANE	
G233DMA	MW-233	08/14/2002	PROFILE	340.00	340.00	123.55	123.55	OC21V	METHYL ETHYL KETONE (2-BUT	
G233DNA	MW-233	08/14/2002	PROFILE	350.00	350.00	133.55	133.55	OC21V	ACETONE	
G233DNA	MW-233	08/14/2002	PROFILE	350.00	350.00	133.55	133.55	OC21V	CHLOROFORM	
G233DNA	MW-233	08/14/2002	PROFILE	350.00	350.00	133.55	133.55	OC21V	METHYL ETHYL KETONE (2-BUT	
G233DOA	MW-233	08/14/2002	PROFILE	360.00	360.00	143.55	143.55	8330N	NITROGLYCERIN	NO
G233DOA	MW-233	08/14/2002	PROFILE	360.00	360.00	143.55	143.55	OC21V	ACETONE	
G233DOA	MW-233	08/14/2002	PROFILE	360.00	360.00	143.55	143.55	OC21V	CHLOROFORM	
G233DOA	MW-233	08/14/2002	PROFILE	360.00	360.00	143.55	143.55	OC21V	METHYL ETHYL KETONE (2-BUT	
G233DPA	MW-233	08/14/2002	PROFILE	370.00	370.00	153.55	153.55	8330N	NITROGLYCERIN	NO
G233DPA	MW-233	08/14/2002	PROFILE	370.00	370.00	153.55	153.55	OC21V	ACETONE	
G233DPA	MW-233	08/14/2002	PROFILE	370.00	370.00	153.55	153.55	OC21V	CHLOROFORM	
G233DPA	MW-233	08/14/2002	PROFILE	370.00	370.00	153.55	153.55	OC21V	METHYL ETHYL KETONE (2-BUT	
G233DQA	MW-233	08/14/2002	PROFILE	380.00	380.00	163.55	163.55	8330N	1,3-DINITROBENZENE	NO
G233DQA	MW-233	08/14/2002	PROFILE	380.00	380.00	163.55	163.55	8330N	3-NITROTOLUENE	NO

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PDA/YES = Photo Diode Array, Detect Confirmed
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* = Interference in sample

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 08/02/02 - 08/23/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G233DQA	MW-233	08/14/2002	PROFILE	380.00	380.00	163.55	163.55	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G233DQA	MW-233	08/14/2002	PROFILE	380.00	380.00	163.55	163.55	8330N	NITROGLYCERIN	NO
G233DQA	MW-233	08/14/2002	PROFILE	380.00	380.00	163.55	163.55	8330N	PICRIC ACID	NO
G233DQA	MW-233	08/14/2002	PROFILE	380.00	380.00	163.55	163.55	OC21V	2-HEXANONE	
G233DQA	MW-233	08/14/2002	PROFILE	380.00	380.00	163.55	163.55	OC21V	ACETONE	
G233DQA	MW-233	08/14/2002	PROFILE	380.00	380.00	163.55	163.55	OC21V	CHLOROMETHANE	
G233DQA	MW-233	08/14/2002	PROFILE	380.00	380.00	163.55	163.55	OC21V	METHYL ETHYL KETONE (2-BUT	
G233DQA	MW-233	08/14/2002	PROFILE	380.00	380.00	163.55	163.55	OC21V	METHYL ISOBUTYL KETONE (4-	
G233DRA	MW-233	08/16/2002	PROFILE	390.00	390.00	173.55	173.55	8330N	NITROGLYCERIN	NO
G233DRA	MW-233	08/16/2002	PROFILE	390.00	390.00	173.55	173.55	OC21V	ACETONE	
G233DRA	MW-233	08/16/2002	PROFILE	390.00	390.00	173.55	173.55	OC21V	METHYL ETHYL KETONE (2-BUT	
G233DSA	MW-233	08/20/2002	PROFILE	400.00	400.00	183.55	183.55	8330N	NITROGLYCERIN	NO
G233DSA	MW-233	08/20/2002	PROFILE	400.00	400.00	183.55	183.55	8330N	PICRIC ACID	NO
G233DSA	MW-233	08/20/2002	PROFILE	400.00	400.00	183.55	183.55	OC21V	1,2,4-TRICHLOROBENZENE	
G233DSA	MW-233	08/20/2002	PROFILE	400.00	400.00	183.55	183.55	OC21V	ACETONE	
G233DSA	MW-233	08/20/2002	PROFILE	400.00	400.00	183.55	183.55	OC21V	METHYL ETHYL KETONE (2-BUT	
G233DTA	MW-233	08/21/2002	PROFILE	410.00	410.00	193.55	193.55	8330N	1,3-DINITROBENZENE	NO
G233DTA	MW-233	08/21/2002	PROFILE	410.00	410.00	193.55	193.55	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G233DTA	MW-233	08/21/2002	PROFILE	410.00	410.00	193.55	193.55	8330N	NITROGLYCERIN	NO
G233DTA	MW-233	08/21/2002	PROFILE	410.00	410.00	193.55	193.55	8330N	PICRIC ACID	NO
G233DTA	MW-233	08/21/2002	PROFILE	410.00	410.00	193.55	193.55	OC21V	2-HEXANONE	
G233DTA	MW-233	08/21/2002	PROFILE	410.00	410.00	193.55	193.55	OC21V	ACETONE	
G233DTA	MW-233	08/21/2002	PROFILE	410.00	410.00	193.55	193.55	OC21V	METHYL ETHYL KETONE (2-BUT	
G233DTA	MW-233	08/21/2002	PROFILE	410.00	410.00	193.55	193.55	OC21V	METHYL ISOBUTYL KETONE (4-	
G233DUA	MW-233	08/21/2002	PROFILE	415.00	415.00	198.55	198.55	8330N	3-NITROTOLUENE	NO
G233DUA	MW-233	08/21/2002	PROFILE	415.00	415.00	198.55	198.55	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G233DUA	MW-233	08/21/2002	PROFILE	415.00	415.00	198.55	198.55	8330N	NITROGLYCERIN	NO
G233DUA	MW-233	08/21/2002	PROFILE	415.00	415.00	198.55	198.55	8330N	PICRIC ACID	NO
G233DUA	MW-233	08/21/2002	PROFILE	415.00	415.00	198.55	198.55	OC21V	2-HEXANONE	
G233DUA	MW-233	08/21/2002	PROFILE	415.00	415.00	198.55	198.55	OC21V	ACETONE	
G233DUA	MW-233	08/21/2002	PROFILE	415.00	415.00	198.55	198.55	OC21V	METHYL ETHYL KETONE (2-BUT	

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