WEEKLY PROGRESS UPDATE
FOR JULY 22 – JULY 26, 2002

EPA REGION I ADMINISTRATIVE ORDERS SDWA 1-97-1019 & 1-2000-0014
MASSACHUSETTS MILITARY RESERVATION
TRAINING RANGE AND IMPACT AREA

The following summary of progress is for the period from July 22 through July 26, 2002.

1. SUMMARY OF ACTIONS TAKEN

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

Table 1. Drilling progress as of July 26, 2002

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-228	J-2 Range (J2P-15)	320	215	241-251; 126-136; 104-114
MW-229	J-2 Range (J2P-13)	349	236	
MW-230	J-2 Range (J2P-14)	346	239	130-140, 110-120,
MW-231	Demo Area 1 (D1P-14)	300	194	
MW-232	J-3 Range (J3P-17)	200	158	

bgs = below ground surface
bwt = below water table

Completed well installation of MW-230 (J2P-14), continued well installation of MW-229 (J2P-13), completed drilling of MW-231 (D1P-14) and MW-232 (J3P-17). Installation of MW-228 (J2P-15) was completed on July 17. 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-231 and MW-232. Groundwater samples were collected from Bourne supply, sentry, far field and monitoring wells, as part of the Site-Wide Perchlorate sampling, and from newly installed wells. Water samples were collected from the GAC treatment system.

The following are the notes from the July 25, 2002 Technical Team meeting at the IAGWSPO:

Participants

Tina Dolen (IAGWSPO)	Karen Wilson (IAGWSPO)	Bill Gallagher (IAGWSPO)
Pamela Richardson (IAGWSPO)	Todd Borci (EPA)	Desiree Moyer (EPA)
Meghan Cassidy (EPA)	Jim Murphy (EPA)	Len Pinaud (MADEP)
Dave Williams (MDPH)	Gina Tyo (ACE)	Heather Sullivan (ACE)
Ellen Iorio (ACE)	Rob Foti (ACE)	John McPherson (ACE)
LT Jeffrey Swartzlander (ACE)	Raimo A. Liias (ACE)	Craig Wenner (ACE)
Darrell Deleppo (ACE - phone)	Marc Grant (AMEC)	Kim Harriz (AMEC)
Mark Applebee (AMEC-phone)	Herb Colby (AMEC)	John Rice (AMEC-phone)
Jay Clausen (AMEC-phone)	Maria Pologruto (AMEC)	Joanne Muzzin (AMEC-phone)
Kris Curly (Guild Communications)	Larry Pannell (Jacobs)	Ken Valder (Tt - phone)
Susan Stewart (Tt-phone)	Bob Scola (Tt-phone)	

Punchlist Items

#2 Provide recent test results of monitoring wells for WS-1, -2, -3 (E&RC). Draft Report with validated results being prepared. Gina Tyo (ACE) to follow-up with COL Fitzpatrick

#4 Provide comments on ARA's Perchlorate method test results for select Bourne wells (EPA/DEP). Todd Borci (EPA) to check on comment status for next week.

#5 Provide update on BOMARC solid rocket fuel (Corps). Nick Iaiennaro (Corps) is waiting on BOMARC manual from an identified source, still searching for information. Possibly information may be forwarded at the beginning of August.

#6 Provide access update on private Snake Pond property (IAGWSPO). Meeting with Property owner and Mike Minior was completed. Property owners have agreement, which may be signed shortly.

#12 Provide draft results from Envirogen Fluidized Bed Reactor (AMEC). Results expected next week.

Miscellaneous

- Marc Grant (AMEC) indicated that as part of the quarterly monitoring of the Sandwich water wells, Dan Mahoney (Sandwich Water Board), requested that concentrations of perchlorate not be reported below the reporting limit of 1 ug/L. Todd Borci (EPA) to contact Mr. Mahoney to discuss.
- Mr. Grant also reported that a Schooner Pass Condo Association employee has refused the Guard's request to sample the Association well for perchlorate. Mark Panni (MADEP) explained that Jeff Rose (MADEP Water Supply) indicated that they could only require the Association to test the water at a MDL of 4 ppb. Tina Dolen (IAGWSPO) to find the name of an appropriate Condo Association official and attempt to arrange a meeting to discuss the Guard's request. This action to be tracked on the PunchList.
- The agencies requested that Dr. Fred Cannon (Penn State University) be asked provide data and scope of work on Bourne treatment tests prior to arranging a meeting to discuss his project. Bill Gallagher (IAGWSPO) to address request.

MSP3 Update & Schedule

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

AirMag. Visual anomaly inspection for 118 anomalies is completed. SHPO approved ROA for anomaly excavation on July 24, with the contingency that the excavations be left open for an inspection by Dr. Goodfellow.

SCAR Site. Vegetation & grubbing is ongoing, approximately 50% complete.
N Range. Information compiled for an after meeting discussion today.

- The MSP Schedule was distributed on July 11, 2002. Agencies have not had an opportunity to review the schedule. The MSP Schedule to be discussed on next week's agenda.
- Gina Tyo (ACE) indicated that because the J-2 Range Polygon investigation had been under scoped because of unanticipated conditions, Tetra tech's contract to complete this work would require a modification.

J Range Wells

- Karen Wilson (IAGWSPO) and Heather Sullivan (ACE) explained requested modifications to J Range well locations. Maps of the Central Impact Area and J-3 and L Ranges showing proposed wells were distributed.
- Ms. Wilson was concerned about the amount of roadway that would be needed to site J1P-16 through J1P-18 which were to be located in scrub oak habitat. These wells had originally been scoped along an old roadway in the area, but this road was considerably grown in, such that is contiguous with surrounding habitat . Ms. Wilson proposed that these wells be located along a firebreak that had been proposed as part of the Fire Management Plan for the base. The following options for the fire break and well locations were proposed and considered:
    1) Firebreak oriented northeast starting at MW-220 on Tank Alley to Wood Road; move three proposed wells north along these tracks to coincide with the firebreak. Herb Colby (AMEC) indicated that this would be too far north for J1P-17, which was purposely located in the ZOC for the Base Water Supply wells.
    2) Start firebreak at MW-6 to proposed location of J1P-16 and move J1P-18 south to intersect the firebreak. Mr. Borci thought that this would be good in helping evaluate the area downgradient of MW-187 as well as the J-1 Range interberm area.
    3) Start firebreak more east halfway between MW-6 and MW-220 toward ZOC and then reorient firebreak to the north.
- Ms. Wilson to discuss possible options for firebreak with Mike Ciaranca (MAARNG) and Natural Heritage.
- Heather Sullivan (ACE) explained changes in the locations for three J-3/L Range proposed wells.
    1) J3P-27 was moved inside the FUDS boundary, north of the J-3 wetland.
    2) LP-5 moved to 90LWA003 to be along particle track from 90WT0019.
    3) LP-6 moved to particle track from MW-153.
- MADEP and EPA approved the J-3/L Range well location modifications. Camp Good News is reviewing the LP-6 well location.
- SHPO reviews are predicted to take the maximum 30 days for review.
- Maria Pologruto (AMEC) indicated that ROAs will be needed to be approved within two weeks, to maintain the current drilling capacity at the end of August. Ms. Wilson indicated that ROA approvals for LP-8, LP-9, J3P-21 and J1P-1 are expected within two weeks.

Central Impact Area Update

John Rice/Jay Clausen (AMEC) led discussion of Central Impact Area activities and the detailed modeling schedule.

- CIAP-24 well pad is still undergoing UXO clearance. Possibly this may be completed by mid-week next week.
- Sampling crews are still working on the Central Impact Area Perchlorate Response Plan. Target sampling has been completed. MW-206 was sampled on 7/18 and results are due today/tomorrow.

- Jay Clausen reviewed highlights of July 11 letter to the agencies (MMR-6366) describing the detailed modeling schedule for Central Impact Area plume.
- Todd Borci (EPA) expressed that his principal concern with the schedule was that no allowances had been made for additional monitoring wells. Both the isolated detection of RDX at MW-205 and high detection of RDX at MW-207 have not been fully characterized. Bill Gallagher (IAGWSPO) explained that in order to develop a schedule, assumptions needed to be made. The assumption that no additional wells would be needed to delineate the plume did not mean that the Guard feels no additional wells would be needed. The extent of the perchlorate was one of the unknowns. Mr. Clausen elaborated that it was unlikely that the perchlorate results would significantly affect the modeling effort. The detection of RDX at MW-205 may be addressed by proposed downgradient J Range wells being drilled in the southeast corner of the Impact Area. There was also one remaining funded well that could be used to address data gaps such as the one at MW-207.
- Agencies to review schedule and provide comments next week.

Bourne Area Update

Bill Gallagher (IAGWSPO) provided a brief update on the Bourne area investigation. A preliminary draft map showing updated validated and unvalidated results of groundwater sampling completed for wells in the area upgradient of the Bourne well field was distributed.

- The Bourne subregional model is scheduled to be updated by early August. At this time particle backtracks can be developed originating at the profile detections observed in MW-226 (BP-1).
- The updated map indicates by the lack of detections at immediately upgradient well locations to the north and south, that there is a narrow band of perchlorate containing groundwater migrating off base. This band seems to widen within the Monument Beach well field, potentially due to the fluctuating use of the Production wells.
- At Wednesday's meeting with the Bourne Water District, they reaffirmed that they would not be turning on any wells that had past detections of Perchlorate. Currently they are pumping PW-1. The Town of Bourne has requested that the Guard provide well head treatment, even though MADEP has made no requirement to treat the groundwater. Ben Gregson (IAGWSPO) has taken this request to officials at the Pentagon. Bourne would like the MADEP to advocate their request for well treatment.
- AMEC is currently developing a Bourne Perchlorate Workplan; no submittal date has been established.
- John Rice (AMEC) noted that an error was discovered in the laboratory reporting of data from MW-80M1 and 1-88a; based on historic data the results were likely switched. This will be corrected on the next update of the Bourne data tables.
- MADEP and EPA indicated that their previous approval to sample Priority 1-3 wells listed in the Site-Wide Perchlorate Characterization Plan was meant to include the sampling of all wells identified in the plan (also Priority 4-5). EPA indicated that no additional comments would be forthcoming on the Plan and the Plan was approved with the addition of the AFCEE data that was requested in a previous Tech meeting. MADEP comments were forwarded on 6/17.

MCP Coordination

Bill Gallagher (IAGWSPO) reviewed MCP issues.

- The Small Ranges Report will be submitted shortly. The Final Report will represent a Phase I MCP deliverable for several sites.
- An RCS-1 query will be completed this month to identify MCP exceedances. A letter will be forwarded later this month requesting additional release tracking numbers.
- Mark Panni (MADEP) indicated that previously requested RTNs should have been added to

the internal database. These RTNs may not be available on the external web site.

- Len Pinaud (MADEP) to provide the Guard with a print out of all applicable MMR RTNs from the internal database.

IART Action Items

Tina Dolen (IAGWSPO) led the discussion on IART Action items.

Action Item 1. Ed Wise (ACE) was uncertain if the proper response to Ms. Hayes question was to reiterate the response to the previous action item regarding the contract award. Ms. Dolen indicated that it was her recollection that Ms. Hayes wanted this item discussed when other IART members, who were most interested in the contract award, were present at the meeting. The previous Action Item was reiterated to present this as a discussion topic. Ms. Dolen to review the IART meeting minutes to see if further response specific to Ms. Hayes' request is warranted.

Action Item 2. Regarding the request to see information on GAC treatment of Perchlorate from Dr. Frank Cannon. No further comment on response.

Action Item 3. Regarding Perchlorate sampling of CS-19 wells. Method detection limit for analysis of samples to be added to response.

Demo Area 1 Soil RRA/RAM

Heather Sullivan (ACE) reviewed the highlights of the approach and schedule for the proposed soil RRA at Demo 1. A handout describing the scope and approach and a proposed schedule for completion of the RRA was provided.

The RRA/RAM process will consist of the following tasks:

Submission of the Draft Final Soil Report to include incorporation of MCP requirements and characterization of Nature and Extent of Contamination. A supplemental PSI Workplan has been proposed to delineate explosives, perchlorates, and dyes in outer grids in the area. The Guard is looking for comments on the Supplemental PSI by 8/02 to adhere to the proposed schedule.

Environmental Risk Characterization schedule will be dependent on MADEP comments. MADEP may require field sampling, which would take 6-9 months. Because of this uncertainty, the tasks/dates for further activities are TBD for the schedule. An MOR for the characterization is expected by 8/02.

Post Screening Investigations, including data validation, are proposed to be completed by 12/16/02. Supplemental soil PSI is to be funded for FY03, but Ms. Sullivan/Corps to consider speeding up this sampling if the agencies approve the Supplemental PSI.

RRA/RAM Workplan will be submitted to address chemical contamination and geophysical anomalies within the footprint of the chemical contamination at Demo 1. The Guard is still reviewing options regarding EPAs directives to address geophysical anomalies outside the chemical contamination. The goal of the RRA/RAM will be to achieve a "no further action" for the Demo Soil OU that addresses the groundwater migration pathway, IDCI pathways and ecological receptors. The Workplan will have the following components

COC Identification Remediation levels will be developed for the COCs identified by all pathways. Ms. Sullivan to check on whether remediation levels for soil have already been developed using SESOIL.

Evaluation of Remedial Technologies

ITE Field Demonstrations Planning and Design will be initiated in the fall of 2002.

RRA/RAM Fieldwork is currently scheduled to start in 2/03.

RRA/RAM Completion Report will document the remediation and present information to support a "no further action" determination. Len Pinaud (MADEP) expressed concern

that the proposed scope is too large for a RAM. Mr. Pinaud to consider and discuss internally with DEP.

Future Activities If the RRA/RAM is not successful in achieving "no further action" then additional characterization and FS/RD/RA or additional RRA/RAM would need to be conducted.

Demo Area 1 Groundwater OU

Joanne Muzzin (AMEC) reviewed the scope and approach of remediation for the Demo 1 Groundwater Operable Unit. An overview of the approach with attached schedule was distributed. The following tasks related to the approach/schedule were noted as follows:

Delineation of the Downgradient Extent of Contamination - Effort is ongoing while the RRA is being scoped/designed. The schedule assumes that delineation will be complete after the installation of D1P-15 and the agencies agree that the plume is adequately characterized.

Fluidized Bed Reactor Study – Study is ongoing to be completed September 02.

GW Modeling – Will be based on perchlorate plume shell, which will be the largest area of capture required. Todd Borci inquired as to the USGS' involvement in modeling activities. Heather Sullivan indicated that since AMEC has developed an updated model, the USGS has not been involved. Ms. Sullivan to talk to Don Walter (USGS) about being involved in the model review.

Coordination – with NStar regarding power supply, state and Guard regarding easements, and SHPO and Natural Heritage regarding sighting limitations.

Comparative Analysis – to evaluate treatment processes and to assess whether one or two treatment systems are appropriate for the two areas.

Conceptual Design – to be presented to the IART to be completed in 10/21/02.

Design Concurrence Project Note.

Draft RRA/RAM Plan to be submitted 3/14/03.

Final RRA/RAM Plan

RRA/RAM Remedy Implementation. Construction to begin by 6/03.

Groundwater Report Addendum

Revised Draft FS Report. The FS process will proceed forward with the implementation of the RRA/RAM.

Final FS Report

Remedy Selection

Remedial Design

Remedial Action

Operation and Maintenance

The Corps is looking for buy in/approval on the RRA/RAM scope from the agencies. Todd Borci indicated that they could provide buy in, but the approval of the schedule could not happen until an agreement is reached on plume delineation. Further discussion on schedule will be put on hold pending the installation/results from D1P-15.

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 MW-197M1 (J-3 Range) had a detection of nitroglycerin that was not confirmed by PDA spectra. Explosives were not detected in this well in the previous sampling round.

- Groundwater samples from MW-197M2 (J-3 Range) had a detection of HMX that was confirmed by PDA spectra. The results were similar to the previous sampling round.

- Groundwater samples from MW-197M3 (J-3 Range) had detections of RDX and HMX that were confirmed by PDA spectra. The results were similar to the previous sampling round.

- Groundwater samples from MW-201M1 and M2 (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-206M1 (Former A Range) had detection of RDX and HMX that were confirmed by PDA spectra. This is the first sampling even for this well and the results were consistent with the profile results.

- Groundwater samples from MW-80M1 (Far Field) had a detection of perchlorate. The results were similar to previous sampling rounds.

- Groundwater samples from WS-4 (Base water supply) had detections of acetone and chloroform. This is the first time acetone has been detected in this well.

- Groundwater profile samples from MW-231 (D1P-14) had detections of 1,3,5-trinitrobenzene (10 intervals), 1,3-dinitrobenzene (4 intervals), TNT (5 intervals), 2,4-DANT (11 intervals), 2A-DNT (1 interval), 2-nitrotoluene (7 intervals), 3-nitrotoluene (1 interval), 4A-DNT (14 intervals), 4-nitrotoluene (2 intervals), RDX (6 intervals), nitroglycerin (18 intervals), PETN (1 interval), picric acid (14 intervals) and perchlorate (6 intervals). None of the detections of explosives were confirmed by PDA spectra.

- Groundwater profile samples from MW-232 (J3P-17) had detections of 1,3,5-trinitrobenzene (1 itnerval), 1,3-dinitrobenzene (1 interval), 2-nitrotoluene (2 intervals), 4-nitrotoluene (1 interval), RDX (1 interval), nitroglycerin (6 intervals), picric acid (5 intervals), perchlorate (4 intervals), acetone (13 intervals), chloroform (3 intervals), 2-butanone (12 intervals). None of the detections of explosives were confirmed by PDA spectra.

3. DELIVERABLES SUBMITTED

Draft Summary Report October – December 2001 UXO Detonations	07/22/2002
Weekly Progress Update for July 14 – July 19, 2002	07/25/2002

4. SCHEDULED ACTIONS

Scheduled actions for the week of July 29 include complete well installation of MW-229 (J2P-13), MW-231 (D1P-14), and MW-232 (J3P-17) and commence drilling of WS4P-2.

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. An approach, scope and schedule for the Soil and Groundwater OUs that integrates the RRA/RAM activities was submitted and discussed at the weekly technical meeting.

TABLE 2
SAMPLING PROGRESS
07/20/2002 - 07/26/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
97-2FE	FIELDQC	07/22/2002	FIELDQC				
G231DBE	FIELDQC	07/23/2002	FIELDQC				
G231DHE	FIELDQC	07/24/2002	FIELDQC				
G231METHAE	FIELDQC	07/23/2002	FIELDQC				
G231METHHE	FIELDQC	07/24/2002	FIELDQC				
G232DNE	FIELDQC	07/25/2002	FIELDQC				
TW01-88BE	FIELDQC	07/23/2002	FIELDQC				
W02-13M3E	FIELDQC	07/24/2002	FIELDQC				
W177M1T	FIELDQC	07/26/2002	FIELDQC				
W191M1T	FIELDQC	07/25/2002	FIELDQC				
W198M1E	FIELDQC	07/23/2002	FIELDQC				
W198M1T	FIELDQC	07/23/2002	FIELDQC				
W198M2E	FIELDQC	07/24/2002	FIELDQC				
W198M2T	FIELDQC	07/24/2002	FIELDQC				
W198M3E	FIELDQC	07/22/2002	FIELDQC				
W198M3T	FIELDQC	07/22/2002	FIELDQC				
WS-4ASE	FIELDQC	07/25/2002	FIELDQC				
4036000-01G	4036000-01G	07/24/2002	GROUNDWATER				
4036000-03G	4036000-03G	07/24/2002	GROUNDWATER				
4036000-04G	4036000-04G	07/24/2002	GROUNDWATER				
4036000-06G	4036000-06G	07/24/2002	GROUNDWATER				
97-2BA	97-2B	07/22/2002	GROUNDWATER		121.70		75.40
97-2CA	97-2C	07/22/2002	GROUNDWATER		132.00		68.00
97-2DA	97-2D	07/22/2002	GROUNDWATER		115.40		82.90
97-2EA	97-2E	07/22/2002	GROUNDWATER		94.50		49.80
97-2ED	97-2E	07/22/2002	GROUNDWATER		94.50		49.80
97-2FA	97-2F	07/22/2002	GROUNDWATER		120.00		76.70
97-2GA	97-2G	07/22/2002	GROUNDWATER		115.40		73.70
MW00-4A	00-4	07/23/2002	GROUNDWATER	64.00	70.00	38.00	44.00
OW00-1DA	00-1D	07/25/2002	GROUNDWATER	91.00	97.00	48.30	54.30
TW00-4DAA	00-4D	07/25/2002	GROUNDWATER		75.00	45.00	45.00
TW00-4DBA	00-4D	07/25/2002	GROUNDWATER		85.00	55.00	55.00
TW00-5A	00-5	07/23/2002	GROUNDWATER	50.00	56.00	15.50	21.50
TW00-6A	00-6	07/23/2002	GROUNDWATER	36.00	42.00	9.60	15.60
TW00-7A	00-7	07/23/2002	GROUNDWATER	57.00	63.00	25.50	31.50
TW01-1A	01-1	07/23/2002	GROUNDWATER	62.00	67.00	55.21	60.21
TW01-2A	01-1	07/23/2002	GROUNDWATER	50.00	56.00	24.50	30.50
TW1-88AA	1-88	07/24/2002	GROUNDWATER				67.40
TW1-88BA	1-88	07/23/2002	GROUNDWATER				69.60
W02-05M1A	02-05	07/25/2002	GROUNDWATER	110.00	120.00	81.44	91.44
W02-05M2A	02-05	07/24/2002	GROUNDWATER	92.00	102.00	63.41	73.41
W02-05M3A	02-05	07/25/2002	GROUNDWATER	70.00	80.00	41.37	51.37
W02-12M1A	02-12	07/24/2002	GROUNDWATER	109.00	119.00	58.35	68.35
W02-12M1D	02-12	07/24/2002	GROUNDWATER	109.00	119.00	58.35	68.35

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
07/20/2002 - 07/26/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W02-12M2A	02-12	07/24/2002	GROUNDWATER	94.00	104.00	43.21	53.21
W02-12M3A	02-12	07/24/2002	GROUNDWATER	79.00	89.00	28.22	38.22
W02-13M1A	02-13	07/24/2002	GROUNDWATER	98.00	108.00	58.33	68.33
W02-13M2A	02-13	07/24/2002	GROUNDWATER	83.00	93.00	44.20	54.20
W02-13M3A	02-13	07/24/2002	GROUNDWATER	68.00	78.00	28.30	38.30
W177M1A	MW-177	07/26/2002	GROUNDWATER	375.00	385.00	186.20	196.20
W177M2A	MW-177	07/26/2002	GROUNDWATER	278.00	288.00	87.30	97.30
W178M1A	MW-178	07/26/2002	GROUNDWATER	257.00	267.00	117.00	127.00
W178M2A	MW-178	07/25/2002	GROUNDWATER	167.00	177.00	27.00	37.00
W179DDA	MW-179	07/26/2002	GROUNDWATER	329.00	339.00	188.10	198.10
W179M1A	MW-179	07/25/2002	GROUNDWATER	187.00	197.00	46.10	56.10
W181SSA	MW-181	07/26/2002	GROUNDWATER	32.00	42.00	0.00	10.00
W188SSA	MW-188	07/23/2002	GROUNDWATER	109.00	119.00	0.00	10.00
W191M1A	MW-191	07/25/2002	GROUNDWATER	137.00	142.00	25.20	30.20
W192M1A	MW-192	07/25/2002	GROUNDWATER	195.00	205.00	94.19	104.19
W194M1A	MW-194	07/25/2002	GROUNDWATER	85.00	95.00	39.10	44.10
W198M1A	MW-198	07/23/2002	GROUNDWATER	150.00	155.00	127.80	132.80
W198M2A	MW-198	07/24/2002	GROUNDWATER	120.00	125.00	98.40	103.40
W198M3A	MW-198	07/22/2002	GROUNDWATER	100.00	105.00	78.50	83.50
W207M1A	MW-207	07/26/2002	GROUNDWATER	254.00	264.00	100.52	119.52
W207M1D	MW-207	07/26/2002	GROUNDWATER	254.00	264.00	100.52	119.52
W207M2A	MW-207	07/26/2002	GROUNDWATER	224.00	234.00	79.33	89.33
W208M1A	MW-208	07/26/2002	GROUNDWATER	195.00	205.00	56.18	66.18
W208M2A	MW-208	07/26/2002	GROUNDWATER	158.00	168.00	18.41	28.41
W209M1A	MW-209	07/26/2002	GROUNDWATER	240.00	250.00	121.00	131.00
W209M2A	MW-209	07/26/2002	GROUNDWATER	220.00	230.00	110.00	120.00
W219M1A	MW-219	07/24/2002	GROUNDWATER	357.00	367.00	178.00	188.00
W219M2A	MW-219	07/24/2002	GROUNDWATER	332.00	342.00	153.05	163.05
W219M3A	MW-219	07/24/2002	GROUNDWATER	315.00	325.00	135.80	145.80
W219M3D	MW-219	07/24/2002	GROUNDWATER	315.00	325.00	135.80	145.80
W219M4A	MW-219	07/24/2002	GROUNDWATER	225.00	235.00	45.70	55.70
W80SSA	MW-80	07/23/2002	GROUNDWATER	43.00	53.00	0.00	10.00
W80SSD	MW-80	07/23/2002	GROUNDWATER	43.00	53.00	0.00	10.00
WS-4ADA	WS-4AD	07/25/2002	GROUNDWATER	218.00	228.00	148.50	158.50
WS-4ASA	WS-4AS	07/25/2002	GROUNDWATER	155.00	165.00	85.50	95.50
WS4-AAA	WS-4	07/24/2002	GROUNDWATER		210.00		139.85
WS4-BAA	WS-4	07/24/2002	GROUNDWATER		220.00		149.85
DW072202-NV	GAC WATER	07/22/2002	IDW				
DW072502-NV	GAC WATER	07/25/2002	IDW				
G231METHAA	MW-231	07/23/2002	OTHER	110.00	110.00	3.50	3.50
G231METHBA	MW-231	07/23/2002	OTHER	120.00	120.00	13.50	13.50
G231METHCA	MW-231	07/23/2002	OTHER	130.00	130.00	23.50	23.50
G231METHDA	MW-231	07/23/2002	OTHER	140.00	140.00	33.50	33.50
G231METHEA	MW-231	07/23/2002	OTHER	150.00	150.00	43.50	43.50

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

TABLE 2
SAMPLING PROGRESS
07/20/2002 - 07/26/2002

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G231METHFA	MW-231	07/23/2002	OTHER	160.00	160.00	53.50	53.50
G231METHGA	MW-231	07/24/2002	OTHER	170.00	170.00	63.50	63.50
G231METHGD	MW-231	07/24/2002	OTHER	170.00	170.00	63.50	63.50
G231METHHA	MW-231	07/24/2002	OTHER	180.00	180.00	73.50	73.50
G231METHIA	MW-231	07/24/2002	OTHER	190.00	190.00	83.50	83.50
G231DAA	MW-231	07/23/2002	PROFILE	110.00	110.00	3.50	3.50
G231DBA	MW-231	07/23/2002	PROFILE	120.00	120.00	13.50	13.50
G231DCA	MW-231	07/23/2002	PROFILE	130.00	130.00	23.50	23.50
G231DDA	MW-231	07/23/2002	PROFILE	140.00	140.00	33.50	33.50
G231DEA	MW-231	07/23/2002	PROFILE	150.00	150.00	43.50	43.50
G231DFA	MW-231	07/23/2002	PROFILE	160.00	160.00	53.50	53.50
G231DGA	MW-231	07/24/2002	PROFILE	170.00	170.00	63.50	63.50
G231DHA	MW-231	07/24/2002	PROFILE	180.00	180.00	73.50	73.50
G231DIA	MW-231	07/24/2002	PROFILE	190.00	190.00	83.50	83.50
G231DJA	MW-231	07/24/2002	PROFILE	200.00	200.00	93.50	93.50
G231DKA	MW-231	07/24/2002	PROFILE	210.00	210.00	103.50	103.50
G231DKD	MW-231	07/24/2002	PROFILE	210.00	210.00	103.50	103.50
G231DLA	MW-231	07/24/2002	PROFILE	220.00	220.00	113.50	113.50
G231DMA	MW-231	07/25/2002	PROFILE	230.00	230.00	123.50	123.50
G231DNA	MW-231	07/25/2002	PROFILE	240.00	240.00	133.50	133.50
G231DOA	MW-231	07/25/2002	PROFILE	250.00	250.00	143.50	143.50
G231DPA	MW-231	07/25/2002	PROFILE	260.00	260.00	153.50	153.50
G231DQA	MW-231	07/25/2002	PROFILE	270.00	270.00	163.50	163.50
G231DRA	MW-231	07/25/2002	PROFILE	280.00	280.00	173.50	173.50
G231DSA	MW-231	07/25/2002	PROFILE	290.00	290.00	183.50	183.50
G231DTA	MW-231	07/25/2002	PROFILE	300.00	300.00	193.50	193.50
G232DAA	MW-232	07/23/2002	PROFILE	50.00	50.00	7.50	7.50
G232DBA	MW-232	07/23/2002	PROFILE	60.00	60.00	17.50	17.50
G232DCA	MW-232	07/23/2002	PROFILE	70.00	70.00	27.50	27.50
G232DDA	MW-232	07/23/2002	PROFILE	80.00	80.00	37.50	37.50
G232DEA	MW-232	07/23/2002	PROFILE	90.00	90.00	47.50	47.50
G232DFA	MW-232	07/23/2002	PROFILE	100.00	100.00	57.50	57.50
G232DGA	MW-232	07/23/2002	PROFILE	110.00	110.00	67.50	67.50
G232DHA	MW-232	07/24/2002	PROFILE	120.00	120.00	77.50	77.50
G232DIA	MW-232	07/24/2002	PROFILE	130.00	130.00	87.50	87.50
G232DJA	MW-232	07/24/2002	PROFILE	140.00	140.00	97.50	97.50
G232DKA	MW-232	07/24/2002	PROFILE	150.00	150.00	107.50	107.50
G232DKD	MW-232	07/24/2002	PROFILE	150.00	150.00	107.50	107.50
G232DMA	MW-232	07/24/2002	PROFILE	170.00	170.00	127.50	127.50
G232DNA	MW-232	07/25/2002	PROFILE	180.00	180.00	137.50	137.50
G232DOA	MW-232	07/25/2002	PROFILE	190.00	190.00	147.50	147.50
G232DPA	MW-232	07/25/2002	PROFILE	200.00	200.00	157.50	157.50

Profiling methods include: Volatiles, Explosives and Perchlorate
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 06/28/02 - 07/24/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W197M1A	MW-197	07/16/2002	GROUNDWATEF	120.00	125.00	99.60	104.60	8330N	NITROGLYCERIN	NO
W197M2A	MW-197	07/17/2002	GROUNDWATEF	80.00	85.00	59.30	64.30	8330N	OCTAHYDRO-1,3,5,7-TETRANIT	YES
W197M3A	MW-197	07/18/2002	GROUNDWATEF	60.00	65.00	39.40	44.40	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W197M3A	MW-197	07/18/2002	GROUNDWATEF	60.00	65.00	39.40	44.40	8330N	OCTAHYDRO-1,3,5,7-TETRANIT	YES
W201M1A	MW-201	07/18/2002	GROUNDWATEF	306.00	316.00	106.90	116.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W201M2A	MW-201	07/18/2002	GROUNDWATEF	286.00	296.00	86.90	96.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W206M1A	MW-206	07/18/2002	GROUNDWATEF	178.50	188.50	19.57	29.57	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W206M1A	MW-206	07/18/2002	GROUNDWATEF	178.50	188.50	19.57	29.57	8330N	OCTAHYDRO-1,3,5,7-TETRANIT	YES
W80M1A	MW-80	07/15/2002	GROUNDWATEF	130.00	140.00	86.00	96.00	E314.0	PERCHLORATE	
WS4-AAA	WS-4	07/24/2002	GROUNDWATEF		210.00		139.85	OC21V	ACETONE	
WS4-AAA	WS-4	07/24/2002	GROUNDWATEF		210.00		139.85	OC21V	CHLOROFORM	
G231DAA	MW-231	07/23/2002	PROFILE	110.00	110.00	3.50	3.50	8330N	1,3,5-TRINITROBENZENE	NO
G231DAA	MW-231	07/23/2002	PROFILE	110.00	110.00	3.50	3.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G231DAA	MW-231	07/23/2002	PROFILE	110.00	110.00	3.50	3.50	8330N	NITROGLYCERIN	NO
G231DAA	MW-231	07/23/2002	PROFILE	110.00	110.00	3.50	3.50	8330N	PICRIC ACID	NO
G231DBA	MW-231	07/23/2002	PROFILE	120.00	120.00	13.50	13.50	8330N	2,4,6-TRINITROTOLUENE	NO
G231DBA	MW-231	07/23/2002	PROFILE	120.00	120.00	13.50	13.50	8330N	2-NITROTOLUENE	NO
G231DBA	MW-231	07/23/2002	PROFILE	120.00	120.00	13.50	13.50	8330N	3-NITROTOLUENE	NO
G231DBA	MW-231	07/23/2002	PROFILE	120.00	120.00	13.50	13.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G231DBA	MW-231	07/23/2002	PROFILE	120.00	120.00	13.50	13.50	8330N	4-NITROTOLUENE	NO
G231DBA	MW-231	07/23/2002	PROFILE	120.00	120.00	13.50	13.50	8330N	NITROGLYCERIN	NO
G231DBA	MW-231	07/23/2002	PROFILE	120.00	120.00	13.50	13.50	8330N	PICRIC ACID	NO
G231DBA	MW-231	07/23/2002	PROFILE	120.00	120.00	13.50	13.50	E314.0	PERCHLORATE	
G231DCA	MW-231	07/23/2002	PROFILE	130.00	130.00	23.50	23.50	8330N	1,3,5-TRINITROBENZENE	NO
G231DCA	MW-231	07/23/2002	PROFILE	130.00	130.00	23.50	23.50	8330N	1,3-DINITROBENZENE	NO
G231DCA	MW-231	07/23/2002	PROFILE	130.00	130.00	23.50	23.50	8330N	2,4,6-TRINITROTOLUENE	NO
G231DCA	MW-231	07/23/2002	PROFILE	130.00	130.00	23.50	23.50	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G231DCA	MW-231	07/23/2002	PROFILE	130.00	130.00	23.50	23.50	8330N	2-NITROTOLUENE	NO
G231DCA	MW-231	07/23/2002	PROFILE	130.00	130.00	23.50	23.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G231DCA	MW-231	07/23/2002	PROFILE	130.00	130.00	23.50	23.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G231DCA	MW-231	07/23/2002	PROFILE	130.00	130.00	23.50	23.50	8330N	NITROGLYCERIN	NO
G231DCA	MW-231	07/23/2002	PROFILE	130.00	130.00	23.50	23.50	8330N	PENTAERYTHRITOL TETRANITI	NO

DATA REPORTED REFLECT CURRENT DATABASE FOR SAMPLES COLLECTED IN SPECIFIED TIMEFRAME. NOT ALL RESULTS ARE COMPLETE.
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PDA/NO = Photo Diode Array, Detect Not Confirmed
* = Interference in sample

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 06/28/02 - 07/24/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G231DCA	MW-231	07/23/2002	PROFILE	130.00	130.00	23.50	23.50	8330N	PICRIC ACID	NO
G231DDA	MW-231	07/23/2002	PROFILE	140.00	140.00	33.50	33.50	8330N	NITROGLYCERIN	NO
G231DDA	MW-231	07/23/2002	PROFILE	140.00	140.00	33.50	33.50	8330N	PICRIC ACID	NO
G231DEA	MW-231	07/23/2002	PROFILE	150.00	150.00	43.50	43.50	8330N	1,3,5-TRINITROBENZENE	NO
G231DEA	MW-231	07/23/2002	PROFILE	150.00	150.00	43.50	43.50	8330N	1,3-DINITROBENZENE	NO
G231DEA	MW-231	07/23/2002	PROFILE	150.00	150.00	43.50	43.50	8330N	2,4,6-TRINITROTOLUENE	NO
G231DEA	MW-231	07/23/2002	PROFILE	150.00	150.00	43.50	43.50	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G231DEA	MW-231	07/23/2002	PROFILE	150.00	150.00	43.50	43.50	8330N	2-NITROTOLUENE	NO
G231DEA	MW-231	07/23/2002	PROFILE	150.00	150.00	43.50	43.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G231DEA	MW-231	07/23/2002	PROFILE	150.00	150.00	43.50	43.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G231DEA	MW-231	07/23/2002	PROFILE	150.00	150.00	43.50	43.50	8330N	NITROGLYCERIN	NO
G231DEA	MW-231	07/23/2002	PROFILE	150.00	150.00	43.50	43.50	8330N	PICRIC ACID	NO
G231DFA	MW-231	07/23/2002	PROFILE	160.00	160.00	53.50	53.50	8330N	1,3,5-TRINITROBENZENE	NO
G231DFA	MW-231	07/23/2002	PROFILE	160.00	160.00	53.50	53.50	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G231DFA	MW-231	07/23/2002	PROFILE	160.00	160.00	53.50	53.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G231DFA	MW-231	07/23/2002	PROFILE	160.00	160.00	53.50	53.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G231DFA	MW-231	07/23/2002	PROFILE	160.00	160.00	53.50	53.50	8330N	NITROGLYCERIN	NO
G231DFA	MW-231	07/23/2002	PROFILE	160.00	160.00	53.50	53.50	E314.0	PERCHLORATE	
G231DGA	MW-231	07/24/2002	PROFILE	170.00	170.00	63.50	63.50	8330N	1,3,5-TRINITROBENZENE	NO
G231DGA	MW-231	07/24/2002	PROFILE	170.00	170.00	63.50	63.50	8330N	1,3-DINITROBENZENE	NO
G231DGA	MW-231	07/24/2002	PROFILE	170.00	170.00	63.50	63.50	8330N	2,4,6-TRINITROTOLUENE	NO
G231DGA	MW-231	07/24/2002	PROFILE	170.00	170.00	63.50	63.50	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G231DGA	MW-231	07/24/2002	PROFILE	170.00	170.00	63.50	63.50	8330N	2-NITROTOLUENE	NO
G231DGA	MW-231	07/24/2002	PROFILE	170.00	170.00	63.50	63.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G231DGA	MW-231	07/24/2002	PROFILE	170.00	170.00	63.50	63.50	8330N	4-NITROTOLUENE	NO
G231DGA	MW-231	07/24/2002	PROFILE	170.00	170.00	63.50	63.50	8330N	NITROGLYCERIN	NO
G231DGA	MW-231	07/24/2002	PROFILE	170.00	170.00	63.50	63.50	8330N	PICRIC ACID	NO
G231DGA	MW-231	07/24/2002	PROFILE	170.00	170.00	63.50	63.50	E314.0	PERCHLORATE	
G231DHA	MW-231	07/24/2002	PROFILE	180.00	180.00	73.50	73.50	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G231DHA	MW-231	07/24/2002	PROFILE	180.00	180.00	73.50	73.50	8330N	2-NITROTOLUENE	NO
G231DHA	MW-231	07/24/2002	PROFILE	180.00	180.00	73.50	73.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G231DHA	MW-231	07/24/2002	PROFILE	180.00	180.00	73.50	73.50	8330N	NITROGLYCERIN	NO

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DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 06/28/02 - 07/24/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G231DHA	MW-231	07/24/2002	PROFILE	180.00	180.00	73.50	73.50	8330N	PICRIC ACID	NO
G231DHA	MW-231	07/24/2002	PROFILE	180.00	180.00	73.50	73.50	E314.0	PERCHLORATE	
G231DIA	MW-231	07/24/2002	PROFILE	190.00	190.00	83.50	83.50	8330N	1,3,5-TRINITROBENZENE	NO
G231DIA	MW-231	07/24/2002	PROFILE	190.00	190.00	83.50	83.50	8330N	1,3-DINITROBENZENE	NO
G231DIA	MW-231	07/24/2002	PROFILE	190.00	190.00	83.50	83.50	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G231DIA	MW-231	07/24/2002	PROFILE	190.00	190.00	83.50	83.50	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G231DIA	MW-231	07/24/2002	PROFILE	190.00	190.00	83.50	83.50	8330N	2-NITROTOLUENE	NO
G231DIA	MW-231	07/24/2002	PROFILE	190.00	190.00	83.50	83.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G231DIA	MW-231	07/24/2002	PROFILE	190.00	190.00	83.50	83.50	8330N	NITROGLYCERIN	NO
G231DIA	MW-231	07/24/2002	PROFILE	190.00	190.00	83.50	83.50	8330N	PICRIC ACID	NO
G231DJA	MW-231	07/24/2002	PROFILE	200.00	200.00	93.50	93.50	8330N	1,3,5-TRINITROBENZENE	NO
G231DJA	MW-231	07/24/2002	PROFILE	200.00	200.00	93.50	93.50	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G231DJA	MW-231	07/24/2002	PROFILE	200.00	200.00	93.50	93.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G231DJA	MW-231	07/24/2002	PROFILE	200.00	200.00	93.50	93.50	8330N	NITROGLYCERIN	NO
G231DJA	MW-231	07/24/2002	PROFILE	200.00	200.00	93.50	93.50	8330N	PICRIC ACID	NO
G231DKA	MW-231	07/24/2002	PROFILE	210.00	210.00	103.50	103.50	8330N	2,4,6-TRINITROTOLUENE	NO
G231DKA	MW-231	07/24/2002	PROFILE	210.00	210.00	103.50	103.50	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G231DKA	MW-231	07/24/2002	PROFILE	210.00	210.00	103.50	103.50	8330N	NITROGLYCERIN	NO
G231DKA	MW-231	07/24/2002	PROFILE	210.00	210.00	103.50	103.50	8330N	PICRIC ACID	NO
G231DKA	MW-231	07/24/2002	PROFILE	210.00	210.00	103.50	103.50	E314.0	PERCHLORATE	
G231DKD	MW-231	07/24/2002	PROFILE	210.00	210.00	103.50	103.50	8330N	2,4,6-TRINITROTOLUENE	NO
G231DKD	MW-231	07/24/2002	PROFILE	210.00	210.00	103.50	103.50	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G231DKD	MW-231	07/24/2002	PROFILE	210.00	210.00	103.50	103.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G231DKD	MW-231	07/24/2002	PROFILE	210.00	210.00	103.50	103.50	8330N	NITROGLYCERIN	NO
G231DKD	MW-231	07/24/2002	PROFILE	210.00	210.00	103.50	103.50	8330N	PICRIC ACID	NO
G231DKD	MW-231	07/24/2002	PROFILE	210.00	210.00	103.50	103.50	E314.0	PERCHLORATE	
G231DLA	MW-231	07/24/2002	PROFILE	220.00	220.00	113.50	113.50	E314.0	PERCHLORATE	
G231DMA	MW-231	07/25/2002	PROFILE	230.00	230.00	123.50	123.50	8330N	NITROGLYCERIN	
G231DMA	MW-231	07/25/2002	PROFILE	230.00	230.00	123.50	123.50	8330N	PICRIC ACID	
G231DNA	MW-231	07/25/2002	PROFILE	240.00	240.00	133.50	133.50	8330N	4-AMINO-2,6-DINITROTOLUENE	
G231DNA	MW-231	07/25/2002	PROFILE	240.00	240.00	133.50	133.50	8330N	NITROGLYCERIN	
G231DOA	MW-231	07/25/2002	PROFILE	250.00	250.00	143.50	143.50	8330N	1,3,5-TRINITROBENZENE	

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DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 06/28/02 - 07/24/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G231DOA	MW-231	07/25/2002	PROFILE	250.00	250.00	143.50	143.50	8330N	2,4-DIAMINO-6-NITROTOLUENE	
G231DOA	MW-231	07/25/2002	PROFILE	250.00	250.00	143.50	143.50	8330N	2-NITROTOLUENE	
G231DOA	MW-231	07/25/2002	PROFILE	250.00	250.00	143.50	143.50	8330N	4-AMINO-2,6-DINITROTOLUENE	
G231DOA	MW-231	07/25/2002	PROFILE	250.00	250.00	143.50	143.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	
G231DOA	MW-231	07/25/2002	PROFILE	250.00	250.00	143.50	143.50	8330N	NITROGLYCERIN	
G231DOA	MW-231	07/25/2002	PROFILE	250.00	250.00	143.50	143.50	8330N	PICRIC ACID	
G231DQA	MW-231	07/25/2002	PROFILE	270.00	270.00	163.50	163.50	8330N	NITROGLYCERIN	
G231DRA	MW-231	07/25/2002	PROFILE	280.00	280.00	173.50	173.50	8330N	NITROGLYCERIN	
G231DSA	MW-231	07/25/2002	PROFILE	290.00	290.00	183.50	183.50	8330N	1,3,5-TRINITROBENZENE	
G231DSA	MW-231	07/25/2002	PROFILE	290.00	290.00	183.50	183.50	8330N	2,4-DIAMINO-6-NITROTOLUENE	
G231DSA	MW-231	07/25/2002	PROFILE	290.00	290.00	183.50	183.50	8330N	4-AMINO-2,6-DINITROTOLUENE	
G231DSA	MW-231	07/25/2002	PROFILE	290.00	290.00	183.50	183.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	
G231DSA	MW-231	07/25/2002	PROFILE	290.00	290.00	183.50	183.50	8330N	NITROGLYCERIN	
G231DSA	MW-231	07/25/2002	PROFILE	290.00	290.00	183.50	183.50	8330N	PICRIC ACID	
G231DTA	MW-231	07/25/2002	PROFILE	300.00	300.00	193.50	193.50	8330N	1,3,5-TRINITROBENZENE	
G231DTA	MW-231	07/25/2002	PROFILE	300.00	300.00	193.50	193.50	8330N	2,4-DIAMINO-6-NITROTOLUENE	
G231DTA	MW-231	07/25/2002	PROFILE	300.00	300.00	193.50	193.50	8330N	4-AMINO-2,6-DINITROTOLUENE	
G231DTA	MW-231	07/25/2002	PROFILE	300.00	300.00	193.50	193.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	
G231DTA	MW-231	07/25/2002	PROFILE	300.00	300.00	193.50	193.50	8330N	NITROGLYCERIN	
G231DTA	MW-231	07/25/2002	PROFILE	300.00	300.00	193.50	193.50	8330N	PICRIC ACID	
G232DAA	MW-232	07/23/2002	PROFILE	50.00	50.00	7.50	7.50	8330N	1,3,5-TRINITROBENZENE	NO
G232DAA	MW-232	07/23/2002	PROFILE	50.00	50.00	7.50	7.50	8330N	1,3-DINITROBENZENE	NO
G232DAA	MW-232	07/23/2002	PROFILE	50.00	50.00	7.50	7.50	8330N	2-NITROTOLUENE	NO
G232DAA	MW-232	07/23/2002	PROFILE	50.00	50.00	7.50	7.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G232DAA	MW-232	07/23/2002	PROFILE	50.00	50.00	7.50	7.50	8330N	NITROGLYCERIN	NO
G232DAA	MW-232	07/23/2002	PROFILE	50.00	50.00	7.50	7.50	8330N	PICRIC ACID	NO
G232DAA	MW-232	07/23/2002	PROFILE	50.00	50.00	7.50	7.50	OC21V	ACETONE	
G232DAA	MW-232	07/23/2002	PROFILE	50.00	50.00	7.50	7.50	OC21V	CHLOROFORM	
G232DAA	MW-232	07/23/2002	PROFILE	50.00	50.00	7.50	7.50	OC21V	METHYL ETHYL KETONE (2-BU	
G232DBA	MW-232	07/23/2002	PROFILE	60.00	60.00	17.50	17.50	8330N	2-NITROTOLUENE	NO
G232DBA	MW-232	07/23/2002	PROFILE	60.00	60.00	17.50	17.50	8330N	NITROGLYCERIN	NO
G232DBA	MW-232	07/23/2002	PROFILE	60.00	60.00	17.50	17.50	8330N	PICRIC ACID	NO

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 06/28/02 - 07/24/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G232DBA	MW-232	07/23/2002	PROFILE	60.00	60.00	17.50	17.50	E314.0	PERCHLORATE	
G232DBA	MW-232	07/23/2002	PROFILE	60.00	60.00	17.50	17.50	OC21V	ACETONE	
G232DBA	MW-232	07/23/2002	PROFILE	60.00	60.00	17.50	17.50	OC21V	METHYL ETHYL KETONE (2-BUT	
G232DCA	MW-232	07/23/2002	PROFILE	70.00	70.00	27.50	27.50	8330N	NITROGLYCERIN	NO
G232DCA	MW-232	07/23/2002	PROFILE	70.00	70.00	27.50	27.50	8330N	PICRIC ACID	NO
G232DCA	MW-232	07/23/2002	PROFILE	70.00	70.00	27.50	27.50	E314.0	PERCHLORATE	
G232DCA	MW-232	07/23/2002	PROFILE	70.00	70.00	27.50	27.50	OC21V	ACETONE	
G232DCA	MW-232	07/23/2002	PROFILE	70.00	70.00	27.50	27.50	OC21V	METHYL ETHYL KETONE (2-BUT	
G232DDA	MW-232	07/23/2002	PROFILE	80.00	80.00	37.50	37.50	8330N	NITROGLYCERIN	NO
G232DDA	MW-232	07/23/2002	PROFILE	80.00	80.00	37.50	37.50	E314.0	PERCHLORATE	
G232DDA	MW-232	07/23/2002	PROFILE	80.00	80.00	37.50	37.50	OC21V	ACETONE	
G232DDA	MW-232	07/23/2002	PROFILE	80.00	80.00	37.50	37.50	OC21V	METHYL ETHYL KETONE (2-BUT	
G232DEA	MW-232	07/23/2002	PROFILE	90.00	90.00	47.50	47.50	8330N	NITROGLYCERIN	NO
G232DEA	MW-232	07/23/2002	PROFILE	90.00	90.00	47.50	47.50	8330N	PICRIC ACID	NO
G232DEA	MW-232	07/23/2002	PROFILE	90.00	90.00	47.50	47.50	E314.0	PERCHLORATE	
G232DEA	MW-232	07/23/2002	PROFILE	90.00	90.00	47.50	47.50	OC21V	ACETONE	
G232DEA	MW-232	07/23/2002	PROFILE	90.00	90.00	47.50	47.50	OC21V	METHYL ETHYL KETONE (2-BUT	
G232DFA	MW-232	07/23/2002	PROFILE	100.00	100.00	57.50	57.50	OC21V	ACETONE	
G232DFA	MW-232	07/23/2002	PROFILE	100.00	100.00	57.50	57.50	OC21V	METHYL ETHYL KETONE (2-BUT	
G232DGA	MW-232	07/23/2002	PROFILE	110.00	110.00	67.50	67.50	OC21V	ACETONE	
G232DGA	MW-232	07/23/2002	PROFILE	110.00	110.00	67.50	67.50	OC21V	METHYL ETHYL KETONE (2-BUT	
G232DHA	MW-232	07/24/2002	PROFILE	120.00	120.00	77.50	77.50	OC21V	ACETONE	
G232DHA	MW-232	07/24/2002	PROFILE	120.00	120.00	77.50	77.50	OC21V	METHYL ETHYL KETONE (2-BUT	
G232DIA	MW-232	07/24/2002	PROFILE	130.00	130.00	87.50	87.50	OC21V	CHLOROFORM	
G232DJA	MW-232	07/24/2002	PROFILE	140.00	140.00	97.50	97.50	OC21V	ACETONE	
G232DJA	MW-232	07/24/2002	PROFILE	140.00	140.00	97.50	97.50	OC21V	METHYL ETHYL KETONE (2-BUT	
G232DKA	MW-232	07/24/2002	PROFILE	150.00	150.00	107.50	107.50	OC21V	ACETONE	
G232DKA	MW-232	07/24/2002	PROFILE	150.00	150.00	107.50	107.50	OC21V	CHLOROFORM	
G232DKA	MW-232	07/24/2002	PROFILE	150.00	150.00	107.50	107.50	OC21V	METHYL ETHYL KETONE (2-BUT	
G232DKD	MW-232	07/24/2002	PROFILE	150.00	150.00	107.50	107.50	OC21V	ACETONE	
G232DKD	MW-232	07/24/2002	PROFILE	150.00	150.00	107.50	107.50	OC21V	CHLOROFORM	
G232DKD	MW-232	07/24/2002	PROFILE	150.00	150.00	107.50	107.50	OC21V	METHYL ETHYL KETONE (2-BUT	

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G232DMA	MW-232	07/24/2002	PROFILE	170.00	170.00	127.50	127.50	OC21V	ACETONE	
G232DNA	MW-232	07/25/2002	PROFILE	180.00	180.00	137.50	137.50	8330N	4-NITROTOLUENE	NO
G232DNA	MW-232	07/25/2002	PROFILE	180.00	180.00	137.50	137.50	8330N	NITROGLYCERIN	NO
G232DNA	MW-232	07/25/2002	PROFILE	180.00	180.00	137.50	137.50	8330N	PICRIC ACID	NO
G232DNA	MW-232	07/25/2002	PROFILE	180.00	180.00	137.50	137.50	OC21V	ACETONE	
G232DNA	MW-232	07/25/2002	PROFILE	180.00	180.00	137.50	137.50	OC21V	METHYL ETHYL KETONE (2-BUT	
G232DOA	MW-232	07/25/2002	PROFILE	190.00	190.00	147.50	147.50	OC21V	ACETONE	
G232DOA	MW-232	07/25/2002	PROFILE	190.00	190.00	147.50	147.50	OC21V	METHYL ETHYL KETONE (2-BUT	

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