WEEKLY PROGRESS UPDATE
FOR JANUARY 27 – JANUARY 31, 2003

EPA REGION I ADMINISTRATIVE ORDERS SDWA 1-97-1019, 1-2000-0014, & BOURNE-BWSC-4-1503-1

MASSACHUSETTS MILITARY RESERVATION
TRAINING RANGE AND IMPACT AREA

The following summary of progress is for the period from January 27 through January 31, 2003.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of January 31 is summarized in Table 1.

Table 1. Drilling progress as of January 31, 2003

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-256	Central Impact Area (CIAP-28)	307	180	
MW-257	Base WS-4 sentry well (WS4P-4)	320	175	
MW-258	Demo Area 1 (D1P-17)	140	96	

bgs = below ground surface
bwt = below water table

Completed drilling of MW-256 (CIAP-28) and MW-257 (WS4P-4), and commenced drilling of MW-258 (D1P-17). 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-256, MW-257 and MW-258. Groundwater samples were collected from Bourne water supply and monitoring wells, and as part of the December Long Term Groundwater monitoring round.

The following are the notes from the January 30, 2003 Technical Team meeting of the Impact Area Groundwater Study Program at Camp Edwards:

Participants

Ben Gregson (GWP)	Tina Dolen (GWP)	Bill Gallagher (GWP)
MAJ Bill Myer (GWP)	Karen Wilson (GWP)	LTC Bill FitzPatrick (E&RC)
Todd Borci (EPA)	Jane Dolan (EPA)	Desiree Moyer (EPA)
Meghan Cassidy (EPA)	Len Pinaud (MADEP)	Mark Panni (MADEP)
Dave Williams (MDPH)	Darrell Deleppo (ACE)	Gina Kaso (ACE)
Ed Wise (ACE)	Carol Ann Charette (ACE)	Heather Sullivan (ACE)
Don Wood (ACE)	Rob Foti (ACE)	John MacPherson (ACE)
Sheila Holt (ACE)	Katarzyna Chelkowska (ACE)	Darrin Smith (ACE)
Rebecca Flynn (ACE)	Marc Grant (AMEC)	Kim Harriz (AMEC)
Dick Skryness (ECC)	Laura Ekes (ECC)	Larry Panell (Jacobs)

Punchlist Items

#3 Provide comments on MW-219 Corrective Action Report (EPA/MADEP). No comments available to date.

#4 Provide ASR inquiry letter for Indian Head NAVSTA and Tyndall AFB for EPA review (Corps). Letter was sent to Tyndall this past week. Nick Iaiennaro (ACE) is looking for conversation record and correct contact name for the Indian Head request.

#10 Provide draft witness interview questions for SE Ranges J-2 Range Soil WP for agencies review (Corps). Working draft copy of questions was distributed at the Tech meeting. Questions related to J-1 and J-3 Ranges are also being drafted and will be provided for review.

#13 Obtain information on the spill and/or wells located in the vicinity of Well 4036009 on Corps property northwest of the base (Corps). No information has been received from Corps operating the property. Ben Gregson (GWP) suggested someone from the Corps associated with the GWP obtain access to the wells and measure the well depths manually. Todd Borci requested this information be gathered by the next week's Tech meeting for use in discussion of well locations for the Northwest corner of Camp Edwards.

#17 Renew access agreements for PZ208 and PZ211 (Corps). Corps obtained a verbal agreement from the new property owners to sample PZ211. Written agreements are being drafted.

#21 Review chromatograms of the 11/20/02 Schooner Pass samples for detections of RDX below the reporting limit (GWP). RDX was detected below the reporting limit of the method in this sample and a duplicate sample at 0.20 ppb and 0.19 ppb (unvalidated), respectively.

#23 Provide Camp Edwards Long-Term Range Use Schedule for agency review (GWP). Schedule can be provided next week.

MSP3 and Southeast Ranges Update

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

Ox Pond. The Schonstedt survey was completed. A draft map of findings should be available next week.

Former Demo sites (Inactive Demo sites). The Schonstedt survey is scheduled to be completed tomorrow, 1/3. The EM61 survey in open areas is scheduled to start Monday, 2/3.

NBC Ranges. The EM61 Survey is scheduled to be completed tomorrow, 1/31. Schonstedt survey is scheduled to begin Monday, 2/3.

J-3 Range Barrage and Hillside Sites in SE Ranges – A reconnaissance of these areas was completed with Tetra tech, AMEC and ECC with the objective of getting AMEC and ECC familiar with the site. Various site features were observed including berms, interior roadways, the various OE noted on the maps, and the aircraft tank. The site boundaries were also traced. Todd Borci (EPA) expressed dissatisfaction with the progress of work to date, and further discussion of this task was relegated to an after meeting.

SE Ranges Drilling – UXO clearance at J1P-16 continued; this area is saturated with anomalies primarily attributed to OE fragment. UXO clearance at J2P-17 was completed and approved.

ROA and Drill Rig Status

Heather Sullivan (ACE) reviewed the status of ROAs and the drill rig schedule. A one-page Proposed Drilling Schedule and three-page ROA Status Table were distributed.

- New changes to the ROA status table in the past two weeks were the submission of the the ROAs for upgradient Bourne proposed wells (BP-2, BP-3, BP-4, BP-5) to SHPO/NH on 1/28/03.
- Proposed well locations D1P-17, WS4P-4 and CIAP-28 are currently being drilled.

J-3 Range Monitoring Wells

Heather Sullivan (ACE) led a discussion on the proposed well locations at J-3 Range. Two maps of the J-3 Range depicting proposed well locations were distributed.

- The Guard is looking for input on a final drilling location for J3P-35, scoped to be located in the gravel pit just to the west of the north end of Snake Pond and off of Greenway Road within the base boundary. Reconnaissance of three alternative locations within the gravel pit showed that all three were acceptable drill sites.
- The technical team concurred that the J3P-35A location, which was the furthest location to the south among the three, would be the final proposed location. Rob Foti to speak with the gravel pit operators to determine how the well can be protected from future gravel pit operations, if any.
- There are two approved proposed J-3 Range well locations: J3P-33 south of the Hillside area and J3P-35 just to the west of the north end of Snake Pond in the gravel pit. Final locations for two additional wells: J3P-32 and J3P-34 will be contingent on results from these wells. The general proposed areas for these contingency wells was also depicted on the figures.

Central Impact Area Perchlorate Plume Map

Bill Gallagher (GWP) fielded agency comments regarding the Central Impact Area Plume Map and cross sections.

- Mr. Gallagher noted that contamination from the J-1 Range was moving with groundwater flow into the Central Impact Area and this would complicate delineating the perchlorate plume in the Central Impact Area.
- Jane Dolan (EPA) requested information on J-1 Range wells, J1P-16 (yet to be drilled) and J1P-18 (MW-253).
- Todd Borci and Desiree Moyer (EPA) had several comments on the plan view plume map and the cross sections as follows:
    - Plan View: Plume in CS-19 area and downgradient should be depicted more as a finger off the main plume in the direction of modeled flow from the CS-19 source area.
    - A-A' Cross Section: Wells 58MW0015, 58MW0016, 58MW0001 and 58MW0003 should be added to cross-section or an explanation provided as to why they were not.
    - B-B' Cross Section: Well 58MW0020B should be added.
    - C-C' Cross Section: Well MW-244 should be included instead of MW-27.
    - D-D' Cross Section: Well MW-187 and MW-166 should be added.
    - E-E' Cross Section: Well MW-91 is not labeled on the plan view map.
    - F-F' Cross Section: Well 58MW0008 should be on the cross section.
    - General for B-B', C-C', D-D' Cross Sections: look at drawing cross sections using different wells so that the wells form a line parallel to modeled groundwater flow.
    - Recommended Cross Section: Add a cross section that includes MW-222 and upgradient wells.
- Ms. Dolan asked the Guard at what point would they conclude that perchlorate plume delineation in the Central Impact Area is complete. Mr. Gallagher indicated the Guard was evaluating this question in terms of EPA's most recent policy statement on a perchlorate standard. However, if a 1.5 ppb standard for perchlorate were required, it was the Guard's opinion that more wells would be needed to define the Central Impact Area perchlorate plume.

Bourne Update

Bill Gallagher (MAARNG) summarized issues related to the Bourne area.

- Weekly and monthly groundwater sampling continues. There were no significant new detections.
- WS4P-4 (MW-257) will be completed this week, with the screen settings possibly determined on Monday, 2/03.
- The result of reanalysis of the 12/30/02 sample from well 1-88A by the STL-Denver lab using the LCMS method was non detect for perchlorate. The original analysis performed using Method 314.0 had showed an interferent peak, potentially Liquinox in the sample, and resulted in the reported detection of 1.24 ppb. This result is now assessed to be a false positive due to the interference from an unknown compound.
- The Comment Resolution meeting for the Bourne Response Plan was held on Tuesday, 1/28. A summary of the major issues discussed during this 4-hour meeting is as follows:
  1. A brief discussion of the EPA memorandum on perchlorate preceded the meeting. The Guard does not know how this policy announcement will affect how the Guard addresses the on-going Bourne investigation. The Bourne Water District (BWD) indicated they were continuing the program relying on the MADEP Advice to the Town of Bourne at 1 ppb for perchlorate.
  2. The BWD read a statement to lead off the meeting stating they had continuing concerns regarding the lack of a definitive characterization of the northern, southern and western boundaries of the contamination in the Monument Beach Well field. However, the BWD was willing to allow the agencies to address this issue as they saw necessary. They also stated they would continue to rely on the 1 ppb MADEP Advice level until told otherwise.
  3. During the meeting the BWD stressed their continued concerns about adequate boundary delineation. The Guard expressed their opinion that low levels and infrequent detections seen in the existing plume perimeter wells suggest the boundaries of the plume have been delineated. MADEP and EPA indicated they were reserving judgment on this matter until the currently proposed wells were installed and results reported.
  4. The BWD and to a lesser extent EPA had objection to the reduction in the sampling frequencies proposed for some wells. The BWD will discuss the Guard's proposed sampling changes with MADEP Drinking Water Supply.
  5. The BWD and Haley & Ward also would like well locations proposed between the Far Field wells and contingency wells. The Guard agreed to add language to the text regarding the possibility of installing wells at these locations and to adding contingency locations on the proposed well map. However, the Army has indicated only a significant increase in concentration of perchlorate in the Far Field wells or further upgradient will trigger the installation of any well at these contingency locations.
  6. AMEC's revised plume map was discussed. The BWD will take the plume map to the Commission for further discussion.
  7. MADEP expressed concern as to how the Workplan/Report fit into the MCP process for this area. The Guard intends this document to serve as the Phase I Report and partial Phase II Scope of Work for the investigation.
  8. MADEP/EPA proposed additional contingency wells. No final decision on these locations was made; the Guard is considering these additional locations.

Miscellaneous

- Jane Dolan inquired as to why the reporting format for the data in the IART/monthly tables was changed to quantify the detections relative to the MCL (X number of times less or more?). AMEC to review changes in the reporting format.

- Todd Borci requested a schedule for the sampling of the monitoring wells that had been dry in the later half of 2002, as proposed in the Site-Wide Perchlorate Report. Corps and AMEC to discuss the schedule internally next week.
- Ms. Dolan requested the Corps not have the private investigator pre-screen by phone all potential witnesses on the current proposed witness list. Further discussion of a way to proceed on the witness interviews to be discussed at the 2/6 Tech meeting.
- Ms. Dolan inquired as to the reason for the delay in the schedule (until next Friday, 2/7) to submit the J-2 and L Range Soil Workplans? Heather Sullivan indicated it related somewhat to an extensive internal review process for these Workplans. Ms. Sullivan to review and notify the agencies of any other significant changes in the Revised Combined Schedule.
- Gina Kaso (ACE) emphasized the need for the agencies to finalize and submit comments on any outstanding documents drafted by Tetra Tech (HUTA1, HUTA2, MSP3 Workplans etc.) since the Tetra Tech contract was winding down.

2. SUMMARY OF DATA RECEIVED

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

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

Table 3 includes detections from the following areas:

<u>Bourne Area</u>

- Groundwater samples from 97-5 and duplicate; 02-08M2, M3 and duplicate; 02-13M1, M2 and duplicate; MW-80M1, M2; and MW-213M2, M3 had detections of perchlorate. The results were similar to the previous sampling rounds.

- Groundwater samples from 00-2D had detections of acetone and TCE. The results were similar to the previous sampling rounds.

- Two groundwater samples had detections of chloroform.

- Profile samples from MW-257 (WS4P-4) had detections of RDX and VOCs. RDX was detected and confirmed by PDA spectra, but with interference in eight intervals between 5 and 165 feet below the water table. Well screens will be set at the depth (50 to 60 ft bwt) corresponding to the particle track from MW-233M3 and at the depth (145 to 155 ft bwt) corresponding to the particle track from the midpoint of WS-4.

Central Impact Area and Downgradient

- Groundwater samples from MW-1M2; MW-2M2 and duplicate; MW-40M1; MW-86M2; MW-87M1, M2; MW-88M2; MW-89M1, M2; MW-90S; MW-105M1, M2; OW-1; OW-2; and OW-6 had detections of explosives that were confirmed by PDA spectra. The results were similar to the previous sampling rounds.

- Groundwater samples from MW-90M1 and duplicate had detections of RDX and HMX that were confirmed by PDA spectra. This is the first detection of HMX in this well; the RDX results were similar to the previous sampling rounds.

- Groundwater samples from MW-249M2 had a detection of RDX that was confirmed by PDA spectra. This is the first sampling event and the results were consistent with the profile results.

- Groundwater samples from MW-249M3 had a detection of TNT that was confirmed by PDA spectra. This is the first sampling event and the results were consistent with the profile results.

- Groundwater samples from MW-216S and MW-233M3 and duplicate had detections of perchlorate. The results were similar to the previous sampling rounds.

- Groundwater samples from MW-226M2 and M3 had detections of perchlorate and picric acid. The detections of picric acid were not confirmed by PDA spectra. There has never been a validated detection of picric acid in these wells. The perchlorate results were similar to the previous sampling rounds.

- Groundwater samples from MW-216M1 and duplicate and MW-219M2 had detections of picric acid that were not confirmed by PDA spectra. There has never been a validated detection of picric acid in these wells.

- Thirteen groundwater samples and duplicate samples had detections of chloroform.

- Profile samples from MW-256 (CIAP-28) had a detection of 2,6-DNT at 161 feet below the water table that was confirmed by PDA spectra. Well screens will be set at the depth (69 to 79 ft bwt) corresponding to the RDX detection at MW-205M1 and at the depth (168 to 178 ft bwt) the particle track from MW-164M2 intersects the MW-256 borehole.

Southeast Ranges

- Groundwater samples from MW-171M2 had a detection of RDX that was confirmed by PDA spectra. The results were similar to the previous sampling rounds.

- Groundwater samples from 90WT0019 had detections of 1,3-dinitrobenzene, 1,3,5-trinitrobenzene, TNT, tetryl, nitroglycerin, 2-nitrotoluene, 3-nitrotoluene, 4-nitrotoluene, 2,6-DNT, 2A-DNT, 4A-DNT, and nitrobenzene. The detections of 1,3,5-trinitrobenzene and 2,6-DNT were confirmed by PDA spectra, but with interference. The 2,6-DNT results were similar to the previous sampling rounds. There have never been validated detections of the other explosives in this well.

DELIVERABLES SUBMITTED

Weekly Progress Update for January 20 – January 24, 2003	01/30/2003

3. SCHEDULED ACTIONS

Scheduled actions for the week of February 3 include commence well installation of MW-256 (CIAP-28) and MW-257 (WS4P-4), and complete drilling of MW-258 (D1P-17). Groundwater sampling at the Bourne water supply and monitoring wells and as part of the December LTGM round will continue.

4. SUMMARY OF ACTIVITIES FOR DEMO 1

Additional delineation of the downgradient portion of the groundwater plume is being conducted prior to finalizing the Feasibility Study for the Groundwater Operable Unit and as the Interim Action for groundwater remediation is being designed. Drilling at D1P-17 (MW-258) commenced this week.

Pumping and treating groundwater at 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 Draft RRA/RAM Plan, describing this action, was submitted to the agencies and the IART on January 21, 2003. The informal public comment period on this document began on January 28, 2003 and continues until February 11, 2003. A Rapid Response Action/Release Abatement Measure (RRA/RAM) is also being prepared to address soil contamination at Demo Area 1.

TABLE 2
SAMPLING PROGRESS
01/25/2003 - 02/01/2003

OGDEN_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
90WT0013-E	FIELDQC	01/30/2003	FIELDQC	0	0		
G256DOE	FIELDQC	01/28/2003	FIELDQC	0	0		
G257DHE	FIELDQC	01/27/2003	FIELDQC	0	0		
G257DJT	FIELDQC	01/28/2003	FIELDQC	0	0		
G257DQE	FIELDQC	01/29/2003	FIELDQC	0	0		
G257DST	FIELDQC	01/29/2003	FIELDQC	0	0		
G258DDE	FIELDQC	01/30/2003	FIELDQC	0	0		
G258DJE	FIELDQC	01/31/2003	FIELDQC	0	0		
M-5D-E	FIELDQC	01/27/2003	FIELDQC	0	0		
MW00-4-E	FIELDQC	01/31/2003	FIELDQC	0	0		
TW00-2S-T	FIELDQC	01/31/2003	FIELDQC	0	0		
TW00-4DA-E	FIELDQC	01/29/2003	FIELDQC	0	0		
TW1-88A-E	FIELDQC	01/28/2003	FIELDQC	0	0		
W177M1T	FIELDQC	01/30/2003	FIELDQC	0	0		
W233M1T	FIELDQC	01/27/2003	FIELDQC	0	0		
4036000-01G-A	4036000-01G	01/28/2003	GROUNDWATER	38	69.8	6	12
4036000-03G-A	4036000-03G	01/28/2003	GROUNDWATER	50	60	6	12
4036000-04G-A	4036000-04G	01/28/2003	GROUNDWATER	54.6	64.6	6	12
4036000-06G-A	4036000-06G	01/28/2003	GROUNDWATER	108	128	6	12
90MW0105A-A	90MW0105A	01/31/2003	GROUNDWATER				
90MW0105B-A	90MW0105B	01/31/2003	GROUNDWATER				
90WT0013-A	90WT0013	01/30/2003	GROUNDWATER	92	102	0	10
97-2E-A	97-2	01/27/2003	GROUNDWATER	94.5	94.5	49.8	49.8
97-2E-D	97-2	01/27/2003	GROUNDWATER	94.5	94.5	49.8	49.8
M-1B-A	M-1	01/29/2003	GROUNDWATER		45		2.15
M-1C-A	M-1	01/28/2003	GROUNDWATER		55	10.54	10.54
M-1D-A	M-1	01/28/2003	GROUNDWATER		65	22.15	20.43
M-3B-A	M-3	01/27/2003	GROUNDWATER		65		
M-3C-A	M-3	01/27/2003	GROUNDWATER		75		
M-3C-D	M-3	01/27/2003	GROUNDWATER		75		
M-3D-A	M-3	01/27/2003	GROUNDWATER		85		
M-5B-A	M-5	01/27/2003	GROUNDWATER	65	65	7.2	7.2
M-5C-A	M-5	01/27/2003	GROUNDWATER		75	17.2	17.2
M-5D-A	M-5	01/27/2003	GROUNDWATER		85	27.2	27.2

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
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
01/25/2003 - 02/01/2003

OGDEN_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
M-6B-A	M-6	01/27/2003	GROUNDWATER		59		
M-6C-A	M-6	01/27/2003	GROUNDWATER		69		
M-6D-A	M-6	01/27/2003	GROUNDWATER		79		
M-7B-A	M-7	01/28/2003	GROUNDWATER		59	2.99	2.99
M-7C-A	M-7	01/28/2003	GROUNDWATER		65	8.99	8.99
M-7D-A	M-7	01/27/2003	GROUNDWATER		75	17.6	17.6
M-7D-D	M-7	01/27/2003	GROUNDWATER		75	17.6	17.6
MW00-4-A	00-4	01/31/2003	GROUNDWATER	64	70	38	44
TW00-1-A	00-1	01/29/2003	GROUNDWATER	64	70	52.1	58.1
TW00-2D-A	00-2	01/27/2003	GROUNDWATER	71	77	43.95	49.95
TW00-2S-A	00-2	01/31/2003	GROUNDWATER	29	35	1.17	7.17
TW00-4DA-A	00-4D	01/29/2003	GROUNDWATER	0	0	0	0
TW00-4DB-A	00-4D	01/29/2003	GROUNDWATER	0	0	0	0
TW00-4DB-D	00-4D	01/29/2003	GROUNDWATER	0	0	0	0
TW00-5-A	00-5	01/31/2003	GROUNDWATER	50	56	15.5	21.5
TW00-6-A	00-6	01/30/2003	GROUNDWATER	36	42	9.6	15.6
TW00-7-A	00-7	01/30/2003	GROUNDWATER	57	63	25.5	31.5
TW01-1-A	01-1	01/29/2003	GROUNDWATER	62	67	55.21	60.21
TW01-2-A	01-2	01/29/2003	GROUNDWATER	50	56	24.5	30.5
TW01-2-D	01-2	01/29/2003	GROUNDWATER	50	56	24.5	30.5
TW1-88A-A	1-88	01/28/2003	GROUNDWATER	102.9	102.9	67.4	67.4
USCGANTST-A	USCGANTST	01/30/2003	GROUNDWATER	0	0		
W02-02M1A	02-02	01/30/2003	GROUNDWATER	114.5	124.5	63.5	73.5
W02-02M2A	02-02	01/30/2003	GROUNDWATER	94.5	104.5	42.65	52.65
W02-02M2D	02-02	01/30/2003	GROUNDWATER	94.5	104.5	42.65	52.65
W02-02SSA	02-02	01/30/2003	GROUNDWATER	49.5	59.5	0	10
W02-12M1A	02-12	01/28/2003	GROUNDWATER	109	119	58.35	68.35
W02-12M2A	02-12	01/28/2003	GROUNDWATER	94	104	43.21	53.21
W02-12M3A	02-12	01/28/2003	GROUNDWATER	79	89	28.22	38.22
W02-13M1A	02-13	01/28/2003	GROUNDWATER	98	108	58.33	68.33
W02-13M1D	02-13	01/28/2003	GROUNDWATER	98	108	58.33	68.33
W02-13M2A	02-13	01/28/2003	GROUNDWATER	83	93	44.2	54.2
W02-13M3A	02-13	01/28/2003	GROUNDWATER	68	78	28.3	38.3
W105M1A	MW-105	01/29/2003	GROUNDWATER	205	215	78	88

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01/25/2003 - 02/01/2003

OGDEN_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
W105M2A	MW-105	01/28/2003	GROUNDWATER	165	175	38	48
W106M1A	MW-106	01/27/2003	GROUNDWATER	170.5	180.5	38	48
W106M2A	MW-106	01/27/2003	GROUNDWATER	140.5	150.5	8	18
W152M2A	MW-152	01/31/2003	GROUNDWATER	154	164	48	58
W152M2D	MW-152	01/31/2003	GROUNDWATER	154	164	48	58
W177M1A	MW-177	01/30/2003	GROUNDWATER	375	385	186.2	196.2
W177M2A	MW-177	01/30/2003	GROUNDWATER	278	288	87.3	97.3
W233M1A	MW-233	01/27/2003	GROUNDWATER	356	366	157.8	167.8
W23DDA	MW-23	01/30/2003	GROUNDWATER	272	282	149	159
W23M1A	MW-23	01/30/2003	GROUNDWATER	225	235	103	113
W23M2A	MW-23	01/30/2003	GROUNDWATER	189	194	67	72
W23M2D	MW-23	01/30/2003	GROUNDWATER	189	194	67	72
W32DDA	MW-32	01/29/2003	GROUNDWATER	181.5	186.5	85	90
W32MMA	MW-32	01/29/2003	GROUNDWATER	161.5	171.5	65	75
W32MMD	MW-32	01/29/2003	GROUNDWATER	161.5	171.5	65	75
W32SSA	MW-32	01/29/2003	GROUNDWATER	146.5	151.5	50	55
W37M1A	MW-37	01/31/2003	GROUNDWATER	181	191	62	72
W37M2A	MW-37	01/31/2003	GROUNDWATER	145	155	26	36
W37M3A	MW-37	01/31/2003	GROUNDWATER	130	140	11	21
W38M2A	MW-38	01/31/2003	GROUNDWATER	187	197	69	79
W38M3A	MW-38	01/31/2003	GROUNDWATER	170	180	52	62
W38M4A	MW-38	01/31/2003	GROUNDWATER	132	142	14	24
W50DDA	MW-50	01/31/2003	GROUNDWATER	237	247	119	129
W50M1A	MW-50	01/31/2003	GROUNDWATER	207	217	89	99
W50M2A	MW-50	01/31/2003	GROUNDWATER	177	187	59	69
W66M2A	MW-66	01/30/2003	GROUNDWATER	140.8	150.8	22	32
W66SSA	MW-66	01/30/2003	GROUNDWATER	125.7	135.7	7	17
W91M1A	MW-91	01/31/2003	GROUNDWATER	170	180	45	55
W91SSA	MW-91	01/31/2003	GROUNDWATER	124	134	0	10
WS-4AD-A	WS-4A	01/29/2003	GROUNDWATER	218	228	148.5	158.5
WS-4AS-A	WS-4A	01/29/2003	GROUNDWATER	155	165	85.5	95.5
G256DJA	MW-256	01/27/2003	PROFILE	220	220	90.7	90.7
G256DKA	MW-256	01/27/2003	PROFILE	230	230	100.7	100.7
G256DLA	MW-256	01/27/2003	PROFILE	240	240	110.7	110.7

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
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TABLE 2
SAMPLING PROGRESS
01/25/2003 - 02/01/2003

OGDEN_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
G256DLD	MW-256	01/27/2003	PROFILE	240	240	110.7	110.7
G256DMA	MW-256	01/27/2003	PROFILE	250	250	120.7	120.7
G256DNA	MW-256	01/27/2003	PROFILE	260	260	130.7	130.7
G256DOA	MW-256	01/28/2003	PROFILE	270	270	140.7	140.7
G256DPA	MW-256	01/28/2003	PROFILE	280	280	150.7	150.7
G256DQA	MW-256	01/28/2003	PROFILE	290	290	160.7	160.7
G256DRA	MW-256	01/28/2003	PROFILE	300	300	170.7	170.7
G256DSA	MW-256	01/28/2003	PROFILE	307	307	177.7	177.7
G257DHA	MW-257	01/27/2003	PROFILE	220	220	75.3	75.3
G257DIA	MW-257	01/27/2003	PROFILE	230	230	85.3	85.3
G257DJA	MW-257	01/28/2003	PROFILE	240	240	95.3	95.3
G257DKA	MW-257	01/28/2003	PROFILE	250	250	105.3	105.3
G257DLA	MW-257	01/28/2003	PROFILE	260	260	115.3	115.3
G257DLD	MW-257	01/28/2003	PROFILE	260	260	115.3	115.3
G257DMA	MW-257	01/28/2003	PROFILE	270	270	125.3	125.3
G257DNA	MW-257	01/28/2003	PROFILE	280	280	135.3	135.3
G257DOA	MW-257	01/28/2003	PROFILE	290	290	145.3	145.3
G257DPA	MW-257	01/28/2003	PROFILE	300	300	155.3	155.3
G257DQA	MW-257	01/29/2003	PROFILE	310	310	165.3	165.3
G257DRA	MW-257	01/29/2003	PROFILE	320	320	175.3	175.3
G258DAA	MW-258	01/29/2003	PROFILE	50	50	5.7	5.7
G258DAD	MW-258	01/29/2003	PROFILE	50	50	5.7	5.7
G258DBA	MW-258	01/29/2003	PROFILE	60	60	15.7	15.7
G258DCA	MW-258	01/29/2003	PROFILE	70	70	25.7	25.7
G258DDA	MW-258	01/30/2003	PROFILE	80	80	35.7	35.7
G258DEA	MW-258	01/30/2003	PROFILE	90	90	45.7	45.7
G258DFA	MW-258	01/30/2003	PROFILE	100	100	55.7	55.7
G258DGA	MW-258	01/30/2003	PROFILE	110	110	65.7	65.7
G258DHA	MW-258	01/30/2003	PROFILE	120	120	75.7	75.7
G258DIA	MW-258	01/30/2003	PROFILE	130	130	85.7	85.7
G258DJA	MW-258	01/31/2003	PROFILE	140	140	95.7	95.7
G258DKA	MW-258	01/31/2003	PROFILE	150	150	105.7	105.7
G258DLA	MW-258	01/31/2003	PROFILE	160	160	115.7	115.7
G258DLD	MW-258	01/31/2003	PROFILE	160	160	115.7	115.7

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TABLE 2
SAMPLING PROGRESS
01/25/2003 - 02/01/2003

OGDEN_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
G258DMA	MW-258	01/31/2003	PROFILE	170	170	125.7	125.7

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 01/03/03 - 02/01/03

OGDEN_ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
90WT0019-A	90WT0019	01/15/2003	GROUNDWATER	96	106	0	10	8330N	3-NITROTOLUENE	NO
90WT0019-A	90WT0019	01/15/2003	GROUNDWATER	96	106	0	10	8330N	NITROBENZENE	NO
90WT0019-A	90WT0019	01/15/2003	GROUNDWATER	96	106	0	10	8330N	2,4,6-TRINITROTOLUENE	NO
90WT0019-A	90WT0019	01/15/2003	GROUNDWATER	96	106	0	10	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
90WT0019-A	90WT0019	01/15/2003	GROUNDWATER	96	106	0	10	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
90WT0019-A	90WT0019	01/15/2003	GROUNDWATER	96	106	0	10	8330N	2,6-DINITROTOLUENE	YES*
90WT0019-A	90WT0019	01/15/2003	GROUNDWATER	96	106	0	10	8330N	4-NITROTOLUENE	NO
90WT0019-A	90WT0019	01/15/2003	GROUNDWATER	96	106	0	10	8330N	1,3,5-TRINITROBENZENE	YES*
90WT0019-A	90WT0019	01/15/2003	GROUNDWATER	96	106	0	10	8330N	NITROGLYCERIN	NO
90WT0019-A	90WT0019	01/15/2003	GROUNDWATER	96	106	0	10	8330N	2-NITROTOLUENE	NO
90WT0019-A	90WT0019	01/15/2003	GROUNDWATER	96	106	0	10	8330N	TETRYL	NO
90WT0019-A	90WT0019	01/15/2003	GROUNDWATER	96	106	0	10	8330N	1,3-DINITROBENZENE	NO
OW-1-A	OW-1	01/16/2003	GROUNDWATER	126	136	0	10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
OW-1-A	OW-1	01/16/2003	GROUNDWATER	126	136	0	10	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
OW-1-A	OW-1	01/16/2003	GROUNDWATER	126	136	0	10	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	YES
OW-2-A	OW-2	01/23/2003	GROUNDWATER	175	185	48.78	58.78	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	YES
OW-2-A	OW-2	01/23/2003	GROUNDWATER	175	185	48.78	58.78	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
OW-6-A	OW-6	01/23/2003	GROUNDWATER	175	185	46.8	56.8	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
TW00-2D-A	00-2	01/27/2003	GROUNDWATER	71	77	43.95	49.95	OC21V	ACETONE	
TW00-2D-A	00-2	01/27/2003	GROUNDWATER	71	77	43.95	49.95	OC21V	TRICHLOROETHYLENE (TCE)	
W01M2A	MW-1	01/15/2003	GROUNDWATER	160	165	44	49	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	YES
W01M2A	MW-1	01/15/2003	GROUNDWATER	160	165	44	49	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 01/03/03 - 02/01/03

OGDEN_ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W02-08M2A	02-08	01/21/2003	GROUNDWATER	82	87	60.65	65.65	E314.0	PERCHLORATE	
W02-08M3A	02-08	01/21/2003	GROUNDWATER	62	67	40.58	45.58	E314.0	PERCHLORATE	
W02-08M3D	02-08	01/21/2003	GROUNDWATER	62	67	40.58	45.58	E314.0	PERCHLORATE	
W02-13M1A	02-13	01/21/2003	GROUNDWATER	98	108	58.33	68.33	E314.0	PERCHLORATE	
W02-13M2A	02-13	01/28/2003	GROUNDWATER	83	93	44.2	54.2	E314.0	PERCHLORATE	
W02-13M2D	02-13	01/21/2003	GROUNDWATER	83	93	44.2	54.2	E314.0	PERCHLORATE	
W02M2A	MW-2	01/16/2003	GROUNDWATER	170	175	33	38	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	YES
W02M2A	MW-2	01/16/2003	GROUNDWATER	170	175	33	38	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
W02M2D	MW-2	01/16/2003	GROUNDWATER	170	175	33	38	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	YES
W02M2D	MW-2	01/16/2003	GROUNDWATER	170	175	33	38	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
W105M1A	MW-105	01/29/2003	GROUNDWATER	205	215	78	88	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
W105M2A	MW-105	01/28/2003	GROUNDWATER	165	175	38	48	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
W171M2A	MW-171	01/16/2003	GROUNDWATER	81	86	83	88	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
W213M2A	MW-213	01/22/2003	GROUNDWATER	89	99	41.15	51.15	E314.0	PERCHLORATE	
W213M3A	MW-213	01/22/2003	GROUNDWATER	77	82	29.38	34.38	E314.0	PERCHLORATE	
W216M1D	MW-216	01/24/2003	GROUNDWATER	253	263	51.19	61.19	8330N	PICRIC ACID	NO
W216SSA	MW-216	01/24/2003	GROUNDWATER	199	209	0	7.13	E314.0	PERCHLORATE	
W219M2A	MW-219	01/24/2003	GROUNDWATER	332	342	153.05	163.05	8330N	PICRIC ACID	NO
W226M2A	MW-226	01/24/2003	GROUNDWATER	175	185	61.7	71.7	8330N	PICRIC ACID	NO
W226M2A	MW-226	01/24/2003	GROUNDWATER	175	185	61.7	71.7	E314.0	PERCHLORATE	
W226M3A	MW-226	01/24/2003	GROUNDWATER	135	145	21.53	31.53	8330N	PICRIC ACID	NO
W226M3A	MW-226	01/24/2003	GROUNDWATER	135	145	21.53	31.53	E314.0	PERCHLORATE	

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DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 01/03/03 - 02/01/03

OGDEN_ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W233M3A	MW-233	01/24/2003	GROUNDWATER	231	241	32.8	42.8	E314.0	PERCHLORATE	
W233M3D	MW-233	01/24/2003	GROUNDWATER	231	241	32.8	42.8	E314.0	PERCHLORATE	
W249M2A	MW-249	01/21/2003	GROUNDWATER	174	184	32.9	42.9	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
W249M3A	MW-249	01/23/2003	GROUNDWATER	154	164	12.9	22.9	8330N	2,4,6-TRINITROTOLUENE	YES
W40M1A	MW-40	01/24/2003	GROUNDWATER	132.5	142.5	13	23	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
W80M1A	MW-80	01/23/2003	GROUNDWATER	130	140	86	96	E314.0	PERCHLORATE	
W80M2A	MW-80	01/22/2003	GROUNDWATER	100	110	56	66	E314.0	PERCHLORATE	
W86M2A	MW-86	01/15/2003	GROUNDWATER	158	168	16	26	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
W87M1A	MW-87	01/15/2003	GROUNDWATER	194	204	62	72	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	YES
W87M1A	MW-87	01/15/2003	GROUNDWATER	194	204	62	72	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
W87M2A	MW-87	01/15/2003	GROUNDWATER	169	179	37	47	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
W88M2A	MW-88	01/16/2003	GROUNDWATER	213	223	72	82	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	YES
W88M2A	MW-88	01/16/2003	GROUNDWATER	213	223	72	82	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
W89M1A	MW-89	01/16/2003	GROUNDWATER	234	244	92	102	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
W89M2A	MW-89	01/16/2003	GROUNDWATER	214	224	72	82	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	YES
W89M2A	MW-89	01/16/2003	GROUNDWATER	214	224	72	82	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
W90M1A	MW-90	01/22/2003	GROUNDWATER	145	155	27	37	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	YES
W90M1A	MW-90	01/22/2003	GROUNDWATER	145	155	27	37	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
W90M1D	MW-90	01/22/2003	GROUNDWATER	145	155	27	37	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
W90M1D	MW-90	01/22/2003	GROUNDWATER	145	155	27	37	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	YES
W90SSA	MW-90	01/23/2003	GROUNDWATER	118	128	0	10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
W90SSA	MW-90	01/23/2003	GROUNDWATER	118	128	0	10	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	YES

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XXM975-A	97-5	01/24/2003	GROUNDWATER	84	94	76	86	E314.0	PERCHLORATE	
XXM975-D	97-5	01/24/2003	GROUNDWATER	84	94	76	86	E314.0	PERCHLORATE	
TW00-1-A	00-1	01/29/2003	GROUNDWATER	64	70	52.1	58.1	OC21V	CHLOROFORM	
TW00-2D-A	00-2	01/27/2003	GROUNDWATER	71	77	43.95	49.95	OC21V	CHLOROFORM	
W216M1A	MW-216	01/24/2003	GROUNDWATER	253	263	51.19	61.19	OC21V	CHLOROFORM	
W216M1D	MW-216	01/24/2003	GROUNDWATER	253	263	51.19	61.19	OC21V	CHLOROFORM	
W216SSA	MW-216	01/24/2003	GROUNDWATER	199	209	0	7.13	OC21V	CHLOROFORM	
W219M1A	MW-219	01/24/2003	GROUNDWATER	357	367	178	188	OC21V	CHLOROFORM	
W219M2A	MW-219	01/24/2003	GROUNDWATER	332	342	153.05	163.05	OC21V	CHLOROFORM	
W219M3A	MW-219	01/23/2003	GROUNDWATER	315	325	135.8	145.8	OC21V	CHLOROFORM	
W219M4A	MW-219	01/24/2003	GROUNDWATER	225	235	45.7	55.7	OC21V	CHLOROFORM	
W226M1A	MW-226	01/24/2003	GROUNDWATER	285	295	172	182	OC21V	CHLOROFORM	
W226M2A	MW-226	01/24/2003	GROUNDWATER	175	185	61.7	71.7	OC21V	CHLOROFORM	
W226M3A	MW-226	01/24/2003	GROUNDWATER	135	145	21.53	31.53	OC21V	CHLOROFORM	
W233M1A	MW-233	01/27/2003	GROUNDWATER	356	366	157.8	167.8	OC21V	CHLOROFORM	
W233M3A	MW-233	01/24/2003	GROUNDWATER	231	241	32.8	42.8	OC21V	CHLOROFORM	
W233M3D	MW-233	01/24/2003	GROUNDWATER	231	241	32.8	42.8	OC21V	CHLOROFORM	
G256DAA	MW-256	01/22/2003	PROFILE	130	130	0.7	0.7	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G256DAA	MW-256	01/22/2003	PROFILE	130	130	0.7	0.7	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G256DAA	MW-256	01/22/2003	PROFILE	130	130	0.7	0.7	8330N	2,6-DINITROTOLUENE	NO*
G256DAA	MW-256	01/22/2003	PROFILE	130	130	0.7	0.7	8330N	NITROGLYCERIN	NO
G256DAA	MW-256	01/22/2003	PROFILE	130	130	0.7	0.7	8330N	1,3,5-TRINITROBENZENE	NO

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G256DAA	MW-256	01/22/2003	PROFILE	130	130	0.7	0.7	8330N	2,4,6-TRINITROTOLUENE	NO
G256DAD	MW-256	01/22/2003	PROFILE	130	130	0.7	0.7	8330N	2,6-DINITROTOLUENE	NO*
G256DAD	MW-256	01/22/2003	PROFILE	130	130	0.7	0.7	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G256DAD	MW-256	01/22/2003	PROFILE	130	130	0.7	0.7	8330N	NITROGLYCERIN	NO
G256DAD	MW-256	01/22/2003	PROFILE	130	130	0.7	0.7	8330N	1,3,5-TRINITROBENZENE	NO
G256DBA	MW-256	01/22/2003	PROFILE	140	140	10.7	10.7	8330N	1,3,5-TRINITROBENZENE	NO
G256DBA	MW-256	01/22/2003	PROFILE	140	140	10.7	10.7	8330N	1,3-DINITROBENZENE	NO
G256DBA	MW-256	01/22/2003	PROFILE	140	140	10.7	10.7	8330N	2,4,6-TRINITROTOLUENE	NO
G256DBA	MW-256	01/22/2003	PROFILE	140	140	10.7	10.7	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G256DBA	MW-256	01/22/2003	PROFILE	140	140	10.7	10.7	8330N	2,6-DINITROTOLUENE	NO*
G256DBA	MW-256	01/22/2003	PROFILE	140	140	10.7	10.7	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G256DBA	MW-256	01/22/2003	PROFILE	140	140	10.7	10.7	8330N	NITROGLYCERIN	NO
G256DCA	MW-256	01/22/2003	PROFILE	150	150	20.7	20.7	8330N	2,6-DINITROTOLUENE	NO*
G256DCA	MW-256	01/22/2003	PROFILE	150	150	20.7	20.7	8330N	NITROGLYCERIN	NO
G256DOA	MW-256	01/28/2003	PROFILE	270	270	140.7	140.7	8330N	1,3,5-TRINITROBENZENE	NO
G256DOA	MW-256	01/28/2003	PROFILE	270	270	140.7	140.7	8330N	2,6-DINITROTOLUENE	NO
G256DOA	MW-256	01/28/2003	PROFILE	270	270	140.7	140.7	8330N	NITROGLYCERIN	NO
G256DQA	MW-256	01/28/2003	PROFILE	290	290	160.7	160.7	8330N	2,6-DINITROTOLUENE	YES
G257DAA	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	OC21V	CHLOROFORM	
G257DAA	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	8330N	NITROGLYCERIN	NO
G257DAA	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	8330N	NITROBENZENE	NO
G257DAA	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES*

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 01/03/03 - 02/01/03

OGDEN_ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G257DAA	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G257DAA	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	8330N	1,3-DINITROBENZENE	NO
G257DAA	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	OC21V	ACETONE	
G257DAA	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	8330N	2,4,6-TRINITROTOLUENE	NO
G257DAA	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G257DAA	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	8330N	2,6-DINITROTOLUENE	NO*
G257DAA	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	8330N	PICRIC ACID	NO
G257DAA	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G257DAA	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	8330N	1,3,5-TRINITROBENZENE	NO
G257DAD	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	8330N	2,6-DINITROTOLUENE	NO
G257DAD	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO*
G257DAD	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	8330N	1,3,5-TRINITROBENZENE	NO*
G257DAD	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	8330N	1,3-DINITROBENZENE	NO
G257DAD	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	8330N	NITROBENZENE	NO
G257DAD	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G257DAD	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	8330N	PICRIC ACID	NO
G257DAD	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G257DAD	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	8330N	NITROGLYCERIN	NO
G257DAD	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	OC21V	ACETONE	
G257DAD	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G257DAD	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	OC21V	CHLOROFORM	
G257DAD	MW-257	01/23/2003	PROFILE	150	150	5.3	5.3	8330N	2,4,6-TRINITROTOLUENE	NO

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 01/03/03 - 02/01/03

OGDEN_ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G257DBA	MW-257	01/24/2003	PROFILE	160	160	15.3	15.3	8330N	1,3,5-TRINITROBENZENE	NO
G257DBA	MW-257	01/24/2003	PROFILE	160	160	15.3	15.3	OC21V	ACETONE	
G257DBA	MW-257	01/24/2003	PROFILE	160	160	15.3	15.3	OC21V	2-HEXANONE	
G257DBA	MW-257	01/24/2003	PROFILE	160	160	15.3	15.3	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G257DBA	MW-257	01/24/2003	PROFILE	160	160	15.3	15.3	8330N	NITROGLYCERIN	NO
G257DBA	MW-257	01/24/2003	PROFILE	160	160	15.3	15.3	8330N	PICRIC ACID	NO
G257DBA	MW-257	01/24/2003	PROFILE	160	160	15.3	15.3	8330N	2,6-DINITROTOLUENE	NO*
G257DBA	MW-257	01/24/2003	PROFILE	160	160	15.3	15.3	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G257DBA	MW-257	01/24/2003	PROFILE	160	160	15.3	15.3	8330N	NITROBENZENE	NO
G257DBA	MW-257	01/24/2003	PROFILE	160	160	15.3	15.3	8330N	1,3-DINITROBENZENE	NO
G257DBA	MW-257	01/24/2003	PROFILE	160	160	15.3	15.3	OC21V	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTA	
G257DBA	MW-257	01/24/2003	PROFILE	160	160	15.3	15.3	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES*
G257DCA	MW-257	01/24/2003	PROFILE	170	170	25.3	25.3	OC21V	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTA	
G257DCA	MW-257	01/24/2003	PROFILE	170	170	25.3	25.3	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G257DCA	MW-257	01/24/2003	PROFILE	170	170	25.3	25.3	OC21V	ACETONE	
G257DCA	MW-257	01/24/2003	PROFILE	170	170	25.3	25.3	8330N	PICRIC ACID	NO
G257DCA	MW-257	01/24/2003	PROFILE	170	170	25.3	25.3	OC21V	2-HEXANONE	
G257DCA	MW-257	01/24/2003	PROFILE	170	170	25.3	25.3	OC21V	CHLOROFORM	
G257DDA	MW-257	01/24/2003	PROFILE	180	180	35.3	35.3	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G257DDA	MW-257	01/24/2003	PROFILE	180	180	35.3	35.3	OC21V	2-HEXANONE	
G257DDA	MW-257	01/24/2003	PROFILE	180	180	35.3	35.3	OC21V	CHLOROFORM	
G257DDA	MW-257	01/24/2003	PROFILE	180	180	35.3	35.3	OC21V	ACETONE	

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G257DDA	MW-257	01/24/2003	PROFILE	180	180	35.3	35.3	8330N	NITROGLYCERIN	NO
G257DDA	MW-257	01/24/2003	PROFILE	180	180	35.3	35.3	8330N	PICRIC ACID	NO
G257DDA	MW-257	01/24/2003	PROFILE	180	180	35.3	35.3	8330N	2,6-DINITROTOLUENE	NO*
G257DDA	MW-257	01/24/2003	PROFILE	180	180	35.3	35.3	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G257DDA	MW-257	01/24/2003	PROFILE	180	180	35.3	35.3	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES*
G257DDA	MW-257	01/24/2003	PROFILE	180	180	35.3	35.3	OC21V	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTA	
G257DEA	MW-257	01/24/2003	PROFILE	190	190	45.3	45.3	OC21V	CHLOROFORM	
G257DEA	MW-257	01/24/2003	PROFILE	190	190	45.3	45.3	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G257DEA	MW-257	01/24/2003	PROFILE	190	190	45.3	45.3	OC21V	ACETONE	
G257DEA	MW-257	01/24/2003	PROFILE	190	190	45.3	45.3	8330N	PICRIC ACID	NO
G257DEA	MW-257	01/24/2003	PROFILE	190	190	45.3	45.3	OC21V	2-HEXANONE	
G257DFA	MW-257	01/24/2003	PROFILE	200	200	55.3	55.3	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G257DFA	MW-257	01/24/2003	PROFILE	200	200	55.3	55.3	OC21V	ACETONE	
G257DFA	MW-257	01/24/2003	PROFILE	200	200	55.3	55.3	OC21V	2-HEXANONE	
G257DFA	MW-257	01/24/2003	PROFILE	200	200	55.3	55.3	OC21V	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTA	
G257DFA	MW-257	01/24/2003	PROFILE	200	200	55.3	55.3	OC21V	CHLOROFORM	
G257DGA	MW-257	01/24/2003	PROFILE	210	210	65.3	65.3	8330N	NITROGLYCERIN	NO
G257DGA	MW-257	01/24/2003	PROFILE	210	210	65.3	65.3	OC21V	CHLOROFORM	
G257DGA	MW-257	01/24/2003	PROFILE	210	210	65.3	65.3	OC21V	ACETONE	
G257DGA	MW-257	01/24/2003	PROFILE	210	210	65.3	65.3	8330N	PICRIC ACID	NO
G257DGA	MW-257	01/24/2003	PROFILE	210	210	65.3	65.3	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES*
G257DGA	MW-257	01/24/2003	PROFILE	210	210	65.3	65.3	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	

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OGDEN_ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G257DHA	MW-257	01/27/2003	PROFILE	220	220	75.3	75.3	OC21V	2-HEXANONE	
G257DHA	MW-257	01/27/2003	PROFILE	220	220	75.3	75.3	OC21V	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTA	
G257DHA	MW-257	01/27/2003	PROFILE	220	220	75.3	75.3	OC21V	CHLOROFORM	
G257DHA	MW-257	01/27/2003	PROFILE	220	220	75.3	75.3	8330N	NITROGLYCERIN	NO
G257DHA	MW-257	01/27/2003	PROFILE	220	220	75.3	75.3	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G257DHA	MW-257	01/27/2003	PROFILE	220	220	75.3	75.3	8330N	PICRIC ACID	NO
G257DHA	MW-257	01/27/2003	PROFILE	220	220	75.3	75.3	8330N	2,6-DINITROTOLUENE	NO*
G257DHA	MW-257	01/27/2003	PROFILE	220	220	75.3	75.3	8330N	1,3-DINITROBENZENE	NO
G257DHA	MW-257	01/27/2003	PROFILE	220	220	75.3	75.3	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO*
G257DHA	MW-257	01/27/2003	PROFILE	220	220	75.3	75.3	OC21V	ACETONE	
G257DIA	MW-257	01/27/2003	PROFILE	230	230	85.3	85.3	OC21V	2-HEXANONE	
G257DIA	MW-257	01/27/2003	PROFILE	230	230	85.3	85.3	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G257DIA	MW-257	01/27/2003	PROFILE	230	230	85.3	85.3	OC21V	ACETONE	
G257DIA	MW-257	01/27/2003	PROFILE	230	230	85.3	85.3	8330N	NITROGLYCERIN	NO
G257DJA	MW-257	01/28/2003	PROFILE	240	240	95.3	95.3	OC21V	ACETONE	
G257DJA	MW-257	01/28/2003	PROFILE	240	240	95.3	95.3	OC21V	CHLOROFORM	
G257DJA	MW-257	01/28/2003	PROFILE	240	240	95.3	95.3	OC21V	2-HEXANONE	
G257DJA	MW-257	01/28/2003	PROFILE	240	240	95.3	95.3	8330N	PICRIC ACID	NO
G257DJA	MW-257	01/28/2003	PROFILE	240	240	95.3	95.3	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES*
G257DJA	MW-257	01/28/2003	PROFILE	240	240	95.3	95.3	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G257DKA	MW-257	01/28/2003	PROFILE	250	250	105.3	105.3	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES*
G257DKA	MW-257	01/28/2003	PROFILE	250	250	105.3	105.3	OC21V	CHLOROFORM	

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G257DKA	MW-257	01/28/2003	PROFILE	250	250	105.3	105.3	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G257DKA	MW-257	01/28/2003	PROFILE	250	250	105.3	105.3	OC21V	ACETONE	
G257DLA	MW-257	01/28/2003	PROFILE	260	260	115.3	115.3	OC21V	2-HEXANONE	
G257DLA	MW-257	01/28/2003	PROFILE	260	260	115.3	115.3	OC21V	CHLOROFORM	
G257DLA	MW-257	01/28/2003	PROFILE	260	260	115.3	115.3	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G257DLA	MW-257	01/28/2003	PROFILE	260	260	115.3	115.3	OC21V	ACETONE	
G257DLD	MW-257	01/28/2003	PROFILE	260	260	115.3	115.3	OC21V	2-HEXANONE	
G257DLD	MW-257	01/28/2003	PROFILE	260	260	115.3	115.3	OC21V	CHLOROFORM	
G257DLD	MW-257	01/28/2003	PROFILE	260	260	115.3	115.3	OC21V	ACETONE	
G257DLD	MW-257	01/28/2003	PROFILE	260	260	115.3	115.3	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G257DMA	MW-257	01/28/2003	PROFILE	270	270	125.3	125.3	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G257DMA	MW-257	01/28/2003	PROFILE	270	270	125.3	125.3	OC21V	2-HEXANONE	
G257DMA	MW-257	01/28/2003	PROFILE	270	270	125.3	125.3	OC21V	CHLOROFORM	
G257DMA	MW-257	01/28/2003	PROFILE	270	270	125.3	125.3	OC21V	ACETONE	
G257DNA	MW-257	01/28/2003	PROFILE	280	280	135.3	135.3	OC21V	CHLOROFORM	
G257DNA	MW-257	01/28/2003	PROFILE	280	280	135.3	135.3	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G257DNA	MW-257	01/28/2003	PROFILE	280	280	135.3	135.3	OC21V	ACETONE	
G257DOA	MW-257	01/28/2003	PROFILE	290	290	145.3	145.3	OC21V	ACETONE	
G257DOA	MW-257	01/28/2003	PROFILE	290	290	145.3	145.3	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G257DOA	MW-257	01/28/2003	PROFILE	290	290	145.3	145.3	OC21V	CHLOROFORM	
G257DOA	MW-257	01/28/2003	PROFILE	290	290	145.3	145.3	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES*
G257DOA	MW-257	01/28/2003	PROFILE	290	290	145.3	145.3	8330N	NITROGLYCERIN	NO

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OGDEN_ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G257DPA	MW-257	01/28/2003	PROFILE	300	300	155.3	155.3	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
G257DPA	MW-257	01/28/2003	PROFILE	300	300	155.3	155.3	OC21V	ACETONE	
G257DPA	MW-257	01/28/2003	PROFILE	300	300	155.3	155.3	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G257DPA	MW-257	01/28/2003	PROFILE	300	300	155.3	155.3	8330N	NITROGLYCERIN	NO
G257DQA	MW-257	01/29/2003	PROFILE	310	310	165.3	165.3	OC21V	ACETONE	
G257DQA	MW-257	01/29/2003	PROFILE	310	310	165.3	165.3	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G257DQA	MW-257	01/29/2003	PROFILE	310	310	165.3	165.3	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES*
G257DRA	MW-257	01/29/2003	PROFILE	320	320	175.3	175.3	OC21V	ACETONE	
G257DRA	MW-257	01/29/2003	PROFILE	320	320	175.3	175.3	OC21V	CARBON DISULFIDE	
G257DRA	MW-257	01/29/2003	PROFILE	320	320	175.3	175.3	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G257DRA	MW-257	01/29/2003	PROFILE	320	320	175.3	175.3	OC21V	2-HEXANONE	

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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