

**WEEKLY PROGRESS UPDATE
FOR AUGUST 30-SEPTEMBER 3, 1999**

**EPA REGION I ADMINISTRATIVE ORDER SDWA I-97-1019
MASSACHUSETTS MILITARY RESERVATION
TRAINING RANGE AND IMPACT AREA**

The following summary of progress is for the period for August 30 to September 3, 1999.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of September 3 is summarized in Table 1.

Table 1. Drilling progress				
Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-84	Bourne far field well	214	175	54-64 79-89 104-114
MW-83b	Bourne far field well (2 nd boring)	152	115	110-120 142-152
MW-81b	Bourne far field well (2 nd boring)	195	166	53-58 128-138 194-194
MW-62	U Range monitoring well	230	120	108-118
MW-64	GP-6 monitoring well	225	133	
MW-66	GP-16 monitoring well	135		
bgs = below ground surface bwt = below water table				

Samples collected during the reporting period are summarized in Table 2. Groundwater sampling was completed for round 2 of the Group 1 far field monitoring wells. Groundwater sampling was initiated for round 3 of the Phase I monitoring wells. Groundwater profile samples were collected from MW-84, MW-64, and MW-62; locations and drilling status for these wells are indicated in Table 1.

The Guard, EPA, and MADEP had a meeting on September 2 to discuss technical issues, including the following:

- Selection of screen depths for MW-82 deep wells. The remaining profile data and boring log was faxed 9/1. EPA, DEP and the Guard agreed to set the remaining two screens at 75' to 85' below the water table (bwt) and 95' to 105' bwt. EPA requested that the Guard determine why there are increased detections of acetone, MEK and 2 hexanone on MW-82 as compared to the other Bourne far field wells.
- The Guard asked the EPA what the status of the comments on the Gun and Mortar Sampling Plan, because this task will bring the laboratory to most of its capacity and will need to refuse any additional work. The EPA indicated that they will have comments by the next tech meeting. The EPA requested that the former F Range be added to the list of ranges to be investigated.

- The status of the steel lined pit UXO was discussed. The Guard indicated that decisions are being made on how the 102nd EOD can continue supporting the Guard on UXO issues. The Guard indicated they should have an answer on 9/3. EPA requested that the documentation of the requirement for "blow in place" disposal be submitted at the time of the 72 hr notice. The EPA also asked on the status of the soil sampling at the APC. The Guard indicated that it had not been done because EOD needed to move some rounds so that Ogden's UXO contractor could clear the sampling area.
- A 1-page handout of the Sandwich # 9 well vertical ZOC was distributed for DEP and EPA review. The EPA asked Ogden to review the plan view Sandwich well ZOC map distributed at the 8/26 tech meeting, because it appeared to have an extra ZOC.
- A 2-page handout was distributed which included the cross-section of the J Well and the J Well vertical ZOC for EPA review. The Guard distributed a letter from the 102nd FW which stated their concern for the proposed location of the J Well far field well.
- EPA comments on Major Knott's August 24 letter which are as follows:

New Deadlines

EPA requested clarification on item 2 and 5 as to why the MMR wells are being sampled for different parameters. Ogden will review the sampling plans and clarify the sampling events.

Future Deadlines

EPA requested a proposed date for Items 1 and 2 (IRP well sampling round 2 and 3). Guard indicated that the plan only required the sampling of the 48 new wells as a 1 time event. Ogden inadvertently added these additional rounds to the schedule. EPA stated that they would review the plans and determine if they agree.

Item 3, EPA would like to know at what point the lab would exceed its capacity. Ogden stated that they would prepare a table showing the lab's capacity and the volume of work on the schedule.

Items 5 through 9, EPA requested clarification on why a 2-month schedule between rounds has been proposed instead of 3 months. Ogden will review and get comments back to EPA.

Item 11 and 12, EPA had received the request for extension on the steel lined pit activities. Ogden stated that the proposed dates assumed that the UXO would be disposed of the week of the 3rd. The Guard asked for a schedule of completion dates for the steel lined pit work based on completion of UXO disposal.

Item 14, EPA asked what constituted the implementation of the munitions survey. The Guard indicated that it was when the contractor was given the contract and told to begin preparing plans.

Item 15 the EPA wanted a proposed start date of the beginning of training area investigations to be based on completion of EPA review.

Item 18, the EPA requested that the Guard provide a revised start and finish date and an explanation of the change. The Guard asked the EPA to provide a priority list of the ranges to be investigated.

- The EPA stated that it is their position that the Army Corp of Engineers UXO avoidance policy is the appropriate avoidance policy for the IAGWS. The Guard indicated that they refer to DDESB for their review.
- Guard asked about the status of the 50 cal rounds found in Ashumet Pond by Paul Zanis. EPA stated that the rounds were currently at Paul's house and that the Guard should get them. The Guard indicated that this issue has been referred to the State Police, and the Guard does not have jurisdiction in the matters.

2. SUMMARY OF DATA RECEIVED

Preliminary non-validated detections of explosive and volatile organic compounds (VOCs) are summarized in Table 3 for samples collected during the preceding four-week period. The status of the explosive detections with respect to confirmation using Photo Diode Array (PDA) spectra is also indicated in this table. Where the PDA status is "YES" in Table 3, the detected compound has been confirmed to be present in the sample. Where the status is "NO", the identification of an explosive has been confirmed 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.

Some of the detections in Table 3 were discussed in last week's progress report. The range of sample dates included in Table 3 overlaps from week-to-week due to the method of reporting and extracting these data. New detections in Table 3 that were not discussed in last week's report include:

- One field Quality Control (QC) sample from groundwater profiling at boring MW-82 had acetone and MEK detected.
- One field QC sample from groundwater profiling at boring MW-84 had acetone, MEK, and nitroglycerin (not confirmed by PDA spectra) detected.
- The ground water sample from MW-50M1 had a detection of RDX, which was confirmed with the PDA spectra. This location did have confirmed explosive detections in Round 1.
- The ground water sample from MW-53D had a detection of nitroglycerin, which was not confirmed with the PDA spectra.
- Profile samples from MW-62 had detections of nitroglycerin (6 intervals), picric acid (6 intervals), 2-nitrotoluene (5 interval), 3-nitrotoluene (5 intervals), 4-nitrotoluene (5 intervals), PETN (1 interval), 1,3,5-trinitrobenzene (1 interval), 1,3-dinitrobenzene (1 interval), and 2,6-dinitrotoluene (1 interval). None of the explosive detections were confirmed with the PDA spectra.
- Profile samples from MW-64 had detections of picric acid (2 intervals), nitroglycerin (2 intervals), 3-nitrotoluene (1 interval), and RDX (1 interval). Only the RDX was confirmed with the PDA spectra. Other detections included chloroform (9 intervals), acetone (4 intervals), and MEK (1 interval).
- Profile samples from MW-83 had detections of chloroform, acetone, and toluene from 2 intervals and styrene from 1 interval.
- Profile samples from MW-84 had detections of chloroform from 6 intervals and acetone from 1 interval.

3. DELIVERABLES SUBMITTED

No deliverables were submitted during this reporting period.

4. SCHEDULED ACTIONS

Scheduled actions for the week of September 6 include completion of drilling at MW-82 (Bourne far field well) and MW-64 (GP-6 well); commence drilling of MW-68 (MP-1 well) and MW-84b (Bourne far field well); continue drilling of MW-66 (GP-16); development of newly installed wells; and continued ground water sampling of round 3 of the Phase I monitoring wells.

TABLE 2
 SAMPLING PROGRESS
 8/30-9/3

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G62DCT	FIELDQC	08/31/1999	FIELDQC	0.00	0.00		
G62DGE	FIELDQC	08/31/1999	FIELDQC	0.00	0.00		
G62DIE	FIELDQC	09/01/1999	FIELDQC	0.00	0.00		
G64DCE	FIELDQC	09/01/1999	FIELDQC	0.00	0.00		
G64DCT	FIELDQC	09/01/1999	FIELDQC	0.00	0.00		
G64DJE	FIELDQC	09/02/1999	FIELDQC	0.00	0.00		
G64DJT	FIELDQC	09/02/1999	FIELDQC	0.00	0.00		
G84DRE	FIELDQC	08/30/1999	FIELDQC	0.00	0.00		
G84DRT	FIELDQC	08/30/1999	FIELDQC	0.00	0.00		
W03DDT	FIELDQC	09/03/1999	FIELDQC	0.00	0.00		
W02DDA	MW-2	09/03/1999	GROUNDWATER			287.00	295.00
W02M1A	MW-2	09/02/1999	GROUNDWATER			73.00	78.00
W02M2A	MW-2	09/03/1999	GROUNDWATER			31.00	36.00
W02SSA	MW-2	09/02/1999	GROUNDWATER			0.00	10.00
W03DDA	MW-3	09/03/1999	GROUNDWATER			218.00	223.00
W03M1A	MW-3	09/03/1999	GROUNDWATER			196.00	201.00
W03SSA	MW-3	09/03/1999	GROUNDWATER			0.00	10.00
W04SSA	MW-4	09/02/1999	GROUNDWATER			0.00	10.00
W05DDA	MW-5	09/03/1999	GROUNDWATER			220.00	225.00
W05SSA	MW-5	09/03/1999	GROUNDWATER			0.00	10.00
W17DDA	MW-17	09/02/1999	GROUNDWATER			197.00	207.00
W17M1A	MW-17	09/01/1999	GROUNDWATER			97.00	107.00
W17M2A	MW-17	09/01/1999	GROUNDWATER			67.00	77.00
W17M3A	MW-17	09/01/1999	GROUNDWATER			37.00	47.00
W17SSA	MW-17	09/02/1999	GROUNDWATER			0.00	10.00
W21DDA	MW-21	09/01/1999	GROUNDWATER			130.00	140.00
W21M1A	MW-21	09/01/1999	GROUNDWATER			93.00	103.00
W21M2A	MW-21	09/02/1999	GROUNDWATER			58.00	68.00
W21M3A	MW-21	09/02/1999	GROUNDWATER			28.00	38.00
W21SSA	MW-21	09/02/1999	GROUNDWATER			0.00	10.00
W52DDA	MW-52	08/30/1999	GROUNDWATER			219.00	229.00
W53DDA	MW-53	08/30/1999	GROUNDWATER			157.00	167.00
W53M1A	MW-53	08/30/1999	GROUNDWATER			100.00	110.00

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
 8/30-9/3

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W53M2A	MW-53	08/31/1999	GROUNDWATER			70.00	80.00
W53M3A	MW-53	08/31/1999	GROUNDWATER			40.00	50.00
W54DDA	MW-54	08/30/1999	GROUNDWATER			126.00	136.00
W54M1A	MW-54	08/30/1999	GROUNDWATER			80.00	90.00
W54M3A	MW-54	08/30/1999	GROUNDWATER			28.00	38.00
W55DDA	MW-55	08/30/1999	GROUNDWATER			120.00	130.00
W55M1A	MW-55	08/31/1999	GROUNDWATER			90.00	100.00
W55M2A	MW-55	08/31/1999	GROUNDWATER			60.00	70.00
W55M3A	MW-55	08/31/1999	GROUNDWATER			29.50	39.50
W55SSA	MW-55	08/31/1999	GROUNDWATER			0.00	10.00
W59M1A	MW-59	08/31/1999	GROUNDWATER			35.00	45.00
W59M2A	MW-59	09/01/1999	GROUNDWATER			20.00	30.00
W59SSA	MW-59	09/01/1999	GROUNDWATER			0.00	10.00
W72SSA	MW-72	09/02/1999	GROUNDWATER			0.00	10.00
DW6302	GAC WATER	09/02/1999	IDW	0.00	0.00		
DW6401	GAC WATER	09/01/1999	IDW	0.00	0.00		
G62DAA	MW-62	08/30/1999	PROFILE	135.00	135.00	7.10	7.10
G62DBA	MW-62	08/30/1999	PROFILE	140.00	140.00	12.10	12.10
G62DBD	MW-62	08/30/1999	PROFILE	140.00	140.00	12.10	12.10
G62DCA	MW-62	08/31/1999	PROFILE	150.00	150.00	22.10	22.10
G62DDA	MW-62	08/31/1999	PROFILE	160.00	160.00	32.10	32.10
G62DEA	MW-62	08/31/1999	PROFILE	170.00	170.00	42.10	42.10
G62DFA	MW-62	08/31/1999	PROFILE	180.00	180.00	52.10	52.10
G62DGA	MW-62	08/31/1999	PROFILE	190.00	190.00	62.10	62.10
G62DHA	MW-62	08/31/1999	PROFILE	200.00	200.00	72.10	72.10
G62DIA	MW-62	09/01/1999	PROFILE	210.00	210.00	82.10	82.10
G62DJA	MW-62	09/01/1999	PROFILE	220.00	220.00	92.10	92.10
G64DAA	MW-64	08/31/1999	PROFILE	92.00	95.00	0.24	3.24
G64DBA	MW-64	08/31/1999	PROFILE	100.00	105.00	8.24	13.24
G64DCA	MW-64	09/01/1999	PROFILE	110.00	115.00	18.24	23.24
G64DDA	MW-64	09/01/1999	PROFILE	120.00	125.00	28.24	33.24
G64DDD	MW-64	09/01/1999	PROFILE	120.00	125.00	28.24	33.24
G64DEA	MW-64	09/01/1999	PROFILE	130.00	135.00	38.24	43.24

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
 8/30-9/3

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G64DFA	MW-64	09/01/1999	PROFILE	140.00	145.00	48.24	53.24
G64DGA	MW-64	09/01/1999	PROFILE	150.00	155.00	58.24	63.24
G64DHA	MW-64	09/01/1999	PROFILE	160.00	165.00	68.24	73.24
G64DIA	MW-64	09/01/1999	PROFILE	170.00	175.00	78.24	83.24
G64DJA	MW-64	09/02/1999	PROFILE	180.00	185.00	88.24	93.24
G64DKA	MW-64	09/02/1999	PROFILE	190.00	195.00	98.24	103.24
G64DLA	MW-64	09/02/1999	PROFILE	200.00	205.00	108.24	113.24
G84DRA	MW-84	08/30/1999	PROFILE	208.00	213.00	169.15	174.15

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 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 8/16/99-9/3/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G81DSE	FIELDQC	08/16/1999	FIELDQC	0.00	0.00			OC21V	ACETONE	
G81DSE	FIELDQC	08/16/1999	FIELDQC	0.00	0.00			OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G82DLE	FIELDQC	08/23/1999	FIELDQC	0.00	0.00			OC21V	ACETONE	
G82DLE	FIELDQC	08/23/1999	FIELDQC	0.00	0.00			OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G83DAE	FIELDQC	08/18/1999	FIELDQC	0.00	0.00			OC21V	ACETONE	
G83DAE	FIELDQC	08/18/1999	FIELDQC	0.00	0.00			OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G84DME	FIELDQC	08/27/1999	FIELDQC	0.00	0.00			8330N	NITROGLYCERIN	NO
G84DME	FIELDQC	08/27/1999	FIELDQC	0.00	0.00			OC21V	ACETONE	
G84DME	FIELDQC	08/27/1999	FIELDQC	0.00	0.00			OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
W34M1A	MW-34	08/16/1999	GROUNDWATER			75.00	85.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
W34M2A	MW-34	08/16/1999	GROUNDWATER			55.00	65.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
W38M3A	MW-38	08/18/1999	GROUNDWATER			53.00	63.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
W38M4A	MW-38	08/18/1999	GROUNDWATER			15.00	25.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
W39M2A	MW-39	08/18/1999	GROUNDWATER			42.00	52.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZINE	NO
W43M2A	MW-43	08/23/1999	GROUNDWATER			70.00	80.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
W45SSA	MW-45	08/23/1999	GROUNDWATER			0.00	10.00	8330N	3-NITROTOLUENE	NO
W45SSA	MW-45	08/23/1999	GROUNDWATER			0.00	10.00	8330N	4-NITROTOLUENE	NO
W45SSA	MW-45	08/23/1999	GROUNDWATER			0.00	10.00	8330N	NITROGLYCERIN	NO
W45SSA	MW-45	08/23/1999	GROUNDWATER			0.00	10.00	8330N	PENTAERYTHRITOL TETRANITRATE	NO
W45SSA	MW-45	08/23/1999	GROUNDWATER			0.00	10.00	8330N	PICRIC ACID	NO
W50M1A	MW-50	08/24/1999	GROUNDWATER			90.00	100.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
W53DDA	MW-53	08/30/1999	GROUNDWATER			157.00	167.00	8330N	NITROGLYCERIN	NO
G62DAA	MW-62	08/30/1999	PROFILE	135.00	135.00	7.10	7.10	8330N	2-NITROTOLUENE	NO
G62DAA	MW-62	08/30/1999	PROFILE	135.00	135.00	7.10	7.10	8330N	3-NITROTOLUENE	NO
G62DAA	MW-62	08/30/1999	PROFILE	135.00	135.00	7.10	7.10	8330N	4-NITROTOLUENE	NO
G62DAA	MW-62	08/30/1999	PROFILE	135.00	135.00	7.10	7.10	8330N	NITROGLYCERIN	NO
G62DAA	MW-62	08/30/1999	PROFILE	135.00	135.00	7.10	7.10	8330N	PICRIC ACID	NO
G62DBA	MW-62	08/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	2,6-DINITROTOLUENE	NO
G62DBA	MW-62	08/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	2-NITROTOLUENE	NO
G62DBA	MW-62	08/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	3-NITROTOLUENE	NO
G62DBA	MW-62	08/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	4-NITROTOLUENE	NO
G62DBA	MW-62	08/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	NITROGLYCERIN	NO
G62DBA	MW-62	08/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	PENTAERYTHRITOL TETRANITRATE	NO

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

SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BGS

SED = SAMPLE COLLECTION END DEPTH IN FEET BGS

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

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

PDA/YES = Photo Diode Array, Detect Confirmed

PDA/NO = Photo Diode Array, Detect Not Confirmed

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 8/16/99-9/3/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G62DBA	MW-62	08/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	PICRIC ACID	NO
G62DBD	MW-62	08/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	2,6-DINITROTOLUENE	NO
G62DBD	MW-62	08/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	2-NITROTOLUENE	NO
G62DBD	MW-62	08/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	3-NITROTOLUENE	NO
G62DBD	MW-62	08/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	4-NITROTOLUENE	NO
G62DBD	MW-62	08/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	NITROGLYCERIN	NO
G62DBD	MW-62	08/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	PICRIC ACID	NO
G62DCA	MW-62	08/31/1999	PROFILE	150.00	150.00	22.10	22.10	8330N	1,3,5-TRINITROBENZENE	NO
G62DCA	MW-62	08/31/1999	PROFILE	150.00	150.00	22.10	22.10	8330N	1,3-DINITROBENZENE	NO
G62DCA	MW-62	08/31/1999	PROFILE	150.00	150.00	22.10	22.10	8330N	2-NITROTOLUENE	NO
G62DCA	MW-62	08/31/1999	PROFILE	150.00	150.00	22.10	22.10	8330N	3-NITROTOLUENE	NO
G62DCA	MW-62	08/31/1999	PROFILE	150.00	150.00	22.10	22.10	8330N	4-NITROTOLUENE	NO
G62DCA	MW-62	08/31/1999	PROFILE	150.00	150.00	22.10	22.10	8330N	NITROGLYCERIN	NO
G62DCA	MW-62	08/31/1999	PROFILE	150.00	150.00	22.10	22.10	8330N	PICRIC ACID	NO
G62DDA	MW-62	08/31/1999	PROFILE	160.00	160.00	32.10	32.10	8330N	2-NITROTOLUENE	NO
G62DDA	MW-62	08/31/1999	PROFILE	160.00	160.00	32.10	32.10	8330N	3-NITROTOLUENE	NO
G62DDA	MW-62	08/31/1999	PROFILE	160.00	160.00	32.10	32.10	8330N	4-NITROTOLUENE	NO
G62DDA	MW-62	08/31/1999	PROFILE	160.00	160.00	32.10	32.10	8330N	NITROGLYCERIN	NO
G62DDA	MW-62	08/31/1999	PROFILE	160.00	160.00	32.10	32.10	8330N	PICRIC ACID	NO
G62DEA	MW-62	08/31/1999	PROFILE	170.00	170.00	42.10	42.10	8330N	NITROGLYCERIN	NO
G62DEA	MW-62	08/31/1999	PROFILE	170.00	170.00	42.10	42.10	8330N	PICRIC ACID	NO
G62DFA	MW-62	08/31/1999	PROFILE	180.00	180.00	52.10	52.10	8330N	2-NITROTOLUENE	NO
G62DFA	MW-62	08/31/1999	PROFILE	180.00	180.00	52.10	52.10	8330N	3-NITROTOLUENE	NO
G62DFA	MW-62	08/31/1999	PROFILE	180.00	180.00	52.10	52.10	8330N	4-NITROTOLUENE	NO
G62DFA	MW-62	08/31/1999	PROFILE	180.00	180.00	52.10	52.10	8330N	NITROGLYCERIN	NO
G62DFA	MW-62	08/31/1999	PROFILE	180.00	180.00	52.10	52.10	8330N	PICRIC ACID	NO
G64DAA	MW-64	08/31/1999	PROFILE	92.00	95.00	0.24	3.24	8330N	3-NITROTOLUENE	NO
G64DAA	MW-64	08/31/1999	PROFILE	92.00	95.00	0.24	3.24	8330N	NITROGLYCERIN	NO
G64DAA	MW-64	08/31/1999	PROFILE	92.00	95.00	0.24	3.24	8330N	PICRIC ACID	NO
G64DAA	MW-64	08/31/1999	PROFILE	92.00	95.00	0.24	3.24	OC21V	ACETONE	
G64DBA	MW-64	08/31/1999	PROFILE	100.00	105.00	8.24	13.24	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZIN	NO
G64DBA	MW-64	08/31/1999	PROFILE	100.00	105.00	8.24	13.24	8330N	NITROGLYCERIN	NO
G64DBA	MW-64	08/31/1999	PROFILE	100.00	105.00	8.24	13.24	8330N	PICRIC ACID	NO

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

SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BGS

SED = SAMPLE COLLECTION END DEPTH IN FEET BGS

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

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

PDA/YES = Photo Diode Array, Detect Confirmed

PDA/NO = Photo Diode Array, Detect Not Confirmed

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 8/16/99-9/3/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G64DBA	MW-64	08/31/1999	PROFILE	100.00	105.00	8.24	13.24	OC21V	ACETONE	
G64DDA	MW-64	09/01/1999	PROFILE	120.00	125.00	28.24	33.24	OC21V	CHLOROFORM	
G64DEA	MW-64	09/01/1999	PROFILE	130.00	135.00	38.24	43.24	OC21V	CHLOROFORM	
G64DFA	MW-64	09/01/1999	PROFILE	140.00	145.00	48.24	53.24	OC21V	CHLOROFORM	
G64DGA	MW-64	09/01/1999	PROFILE	150.00	155.00	58.24	63.24	OC21V	CHLOROFORM	
G64DHA	MW-64	09/01/1999	PROFILE	160.00	165.00	68.24	73.24	OC21V	CHLOROFORM	
G64DIA	MW-64	09/01/1999	PROFILE	170.00	175.00	78.24	83.24	OC21V	CHLOROFORM	
G64DJA	MW-64	09/02/1999	PROFILE	180.00	185.00	88.24	93.24	OC21V	CHLOROFORM	
G64DJA	MW-64	09/02/1999	PROFILE	180.00	185.00	88.24	93.24	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G64DKA	MW-64	09/02/1999	PROFILE	190.00	195.00	98.24	103.24	OC21V	ACETONE	
G64DKA	MW-64	09/02/1999	PROFILE	190.00	195.00	98.24	103.24	OC21V	CHLOROFORM	
G64DLA	MW-64	09/02/1999	PROFILE	200.00	205.00	108.24	113.24	OC21V	ACETONE	
G64DLA	MW-64	09/02/1999	PROFILE	200.00	205.00	108.24	113.24	OC21V	CHLOROFORM	
G81DPA	MW-81	08/16/1999	PROFILE	180.00	185.00	151.50	156.50	OC21V	CHLOROFORM	
G81DQA	MW-81	08/16/1999	PROFILE	190.00	195.00	161.50	166.50	OC21V	CHLOROFORM	
G81DRA	MW-81	08/16/1999	PROFILE	200.00	205.00	171.50	176.50	OC21V	CHLOROFORM	
G81DSA	MW-81	08/16/1999	PROFILE	210.00	215.00	181.50	186.50	OC21V	CHLOROFORM	
G81DTA	MW-81	08/16/1999	PROFILE	220.00	225.00	191.50	196.50	OC21V	CHLOROFORM	
G81DUA	MW-81	08/16/1999	PROFILE	230.00	235.00	201.50	206.50	8330N	3-NITROTOLUENE	NO
G81DUA	MW-81	08/16/1999	PROFILE	230.00	235.00	201.50	206.50	8330N	NITROGLYCERIN	NO
G82DAA	MW-82	08/17/1999	PROFILE	32.00	32.00	2.90	2.90	8330N	3-NITROTOLUENE	NO
G82DAA	MW-82	08/17/1999	PROFILE	32.00	32.00	2.90	2.90	8330N	NITROGLYCERIN	NO
G82DAA	MW-82	08/17/1999	PROFILE	32.00	32.00	2.90	2.90	OC21V	2-HEXANONE	
G82DAA	MW-82	08/17/1999	PROFILE	32.00	32.00	2.90	2.90	OC21V	ACETONE	
G82DAA	MW-82	08/17/1999	PROFILE	32.00	32.00	2.90	2.90	OC21V	CHLOROFORM	
G82DAA	MW-82	08/17/1999	PROFILE	32.00	32.00	2.90	2.90	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G82DAA	MW-82	08/17/1999	PROFILE	32.00	32.00	2.90	2.90	OC21V	TOLUENE	
G82DBA	MW-82	08/17/1999	PROFILE	40.00	45.00	10.90	15.90	8330N	3-NITROTOLUENE	NO
G82DBA	MW-82	08/17/1999	PROFILE	40.00	45.00	10.90	15.90	8330N	NITROGLYCERIN	NO
G82DBA	MW-82	08/17/1999	PROFILE	40.00	45.00	10.90	15.90	OC21V	2-HEXANONE	
G82DBA	MW-82	08/17/1999	PROFILE	40.00	45.00	10.90	15.90	OC21V	ACETONE	
G82DBA	MW-82	08/17/1999	PROFILE	40.00	45.00	10.90	15.90	OC21V	CHLOROFORM	
G82DBA	MW-82	08/17/1999	PROFILE	40.00	45.00	10.90	15.90	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	

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

SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BGS

SED = SAMPLE COLLECTION END DEPTH IN FEET BGS

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

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

PDA/YES = Photo Diode Array, Detect Confirmed

PDA/NO = Photo Diode Array, Detect Not Confirmed

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 8/16/99-9/3/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G82DBA	MW-82	08/17/1999	PROFILE	40.00	45.00	10.90	15.90	OC21V	TOLUENE	
G82DCA	MW-82	08/17/1999	PROFILE	50.00	55.00	20.90	25.90	OC21V	ACETONE	
G82DCA	MW-82	08/17/1999	PROFILE	50.00	55.00	20.90	25.90	OC21V	CHLOROFORM	
G82DCA	MW-82	08/17/1999	PROFILE	50.00	55.00	20.90	25.90	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G82DCA	MW-82	08/17/1999	PROFILE	50.00	55.00	20.90	25.90	OC21V	TOLUENE	
G82DDA	MW-82	08/18/1999	PROFILE	60.00	65.00	30.90	35.90	OC21V	ACETONE	
G82DDA	MW-82	08/18/1999	PROFILE	60.00	65.00	30.90	35.90	OC21V	CHLOROFORM	
G82DDA	MW-82	08/18/1999	PROFILE	60.00	65.00	30.90	35.90	OC21V	TOLUENE	
G82DEA	MW-82	08/18/1999	PROFILE	70.00	75.00	40.90	45.90	OC21V	ACETONE	
G82DEA	MW-82	08/18/1999	PROFILE	70.00	75.00	40.90	45.90	OC21V	CHLOROFORM	
G82DEA	MW-82	08/18/1999	PROFILE	70.00	75.00	40.90	45.90	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G82DEA	MW-82	08/18/1999	PROFILE	70.00	75.00	40.90	45.90	OC21V	TOLUENE	
G82DFA	MW-82	08/18/1999	PROFILE	80.00	85.00	50.90	55.90	OC21V	ACETONE	
G82DFA	MW-82	08/18/1999	PROFILE	80.00	85.00	50.90	55.90	OC21V	CHLOROFORM	
G82DFA	MW-82	08/18/1999	PROFILE	80.00	85.00	50.90	55.90	OC21V	TOLUENE	
G82DGA	MW-82	08/18/1999	PROFILE	90.00	95.00	60.90	65.90	OC21V	ACETONE	
G82DGA	MW-82	08/18/1999	PROFILE	90.00	95.00	60.90	65.90	OC21V	CHLOROFORM	
G82DGA	MW-82	08/18/1999	PROFILE	90.00	95.00	60.90	65.90	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G82DGA	MW-82	08/18/1999	PROFILE	90.00	95.00	60.90	65.90	OC21V	TOLUENE	
G82DHA	MW-82	08/18/1999	PROFILE	100.00	105.00	70.90	75.90	OC21V	ACETONE	
G82DHA	MW-82	08/18/1999	PROFILE	100.00	105.00	70.90	75.90	OC21V	CHLOROFORM	
G82DHA	MW-82	08/18/1999	PROFILE	100.00	105.00	70.90	75.90	OC21V	TOLUENE	
G82DIA	MW-82	08/18/1999	PROFILE	110.00	115.00	80.90	85.90	OC21V	CHLOROFORM	
G82DKA	MW-82	08/20/1999	PROFILE	130.00	135.00	100.90	105.90	OC21V	CHLOROFORM	
G82DLA	MW-82	08/23/1999	PROFILE	140.00	145.00	110.90	115.90	OC21V	CHLOROFORM	
G82DNA	MW-82	08/23/1999	PROFILE	160.00	165.00	130.90	135.90	OC21V	CHLOROFORM	
G82DND	MW-82	08/23/1999	PROFILE	160.00	165.00	130.90	135.90	OC21V	CHLOROFORM	
G83DAA	MW-83	08/18/1999	PROFILE	37.00	42.00	0.00	5.00	OC21V	ACETONE	
G83DAA	MW-83	08/18/1999	PROFILE	37.00	42.00	0.00	5.00	OC21V	CHLOROFORM	
G83DAA	MW-83	08/18/1999	PROFILE	37.00	42.00	0.00	5.00	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G83DAA	MW-83	08/18/1999	PROFILE	37.00	42.00	0.00	5.00	OC21V	TOLUENE	
G83DBA	MW-83	08/18/1999	PROFILE	50.00	55.00	13.00	18.00	OC21V	ACETONE	
G83DBA	MW-83	08/18/1999	PROFILE	50.00	55.00	13.00	18.00	OC21V	CHLOROFORM	

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

SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BGS

SED = SAMPLE COLLECTION END DEPTH IN FEET BGS

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

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

PDA/YES = Photo Diode Array, Detect Confirmed

PDA/NO = Photo Diode Array, Detect Not Confirmed

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 8/16/99-9/3/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G83DBA	MW-83	08/18/1999	PROFILE	50.00	55.00	13.00	18.00	OC21V	TOLUENE	
G83DCA	MW-83	08/19/1999	PROFILE	60.00	65.00	23.00	28.00	OC21V	CHLOROFORM	
G83DCA	MW-83	08/19/1999	PROFILE	60.00	65.00	23.00	28.00	OC21V	TOLUENE	
G83DDA	MW-83	08/19/1999	PROFILE	70.00	75.00	33.00	38.00	OC21V	CHLOROFORM	
G83DDA	MW-83	08/19/1999	PROFILE	70.00	75.00	33.00	38.00	OC21V	TOLUENE	
G83DEA	MW-83	08/19/1999	PROFILE	80.00	85.00	43.00	48.00	OC21V	CHLOROFORM	
G83DEA	MW-83	08/19/1999	PROFILE	80.00	85.00	43.00	48.00	OC21V	TOLUENE	
G83DFA	MW-83	08/19/1999	PROFILE	90.00	95.00	53.00	58.00	OC21V	CHLOROFORM	
G83DFA	MW-83	08/19/1999	PROFILE	90.00	95.00	53.00	58.00	OC21V	TOLUENE	
G83DGA	MW-83	08/19/1999	PROFILE	100.00	105.00	63.00	68.00	OC21V	CHLOROFORM	
G83DGA	MW-83	08/19/1999	PROFILE	100.00	105.00	63.00	68.00	OC21V	TOLUENE	
G83DHA	MW-83	08/19/1999	PROFILE	110.00	115.00	73.00	78.00	OC21V	TOLUENE	
G83DIA	MW-83	08/19/1999	PROFILE	120.00	125.00	83.00	88.00	OC21V	CHLOROFORM	
G83DJA	MW-83	08/19/1999	PROFILE	130.00	135.00	93.00	98.00	OC21V	CHLOROFORM	
G83DKA	MW-83	08/19/1999	PROFILE	140.00	145.00	103.00	108.00	OC21V	CHLOROFORM	
G83DLA	MW-83	08/20/1999	PROFILE	150.00	155.00	113.00	118.00	OC21V	CHLOROFORM	
G83DMA	MW-83	08/20/1999	PROFILE	160.00	165.00	123.00	128.00	8330N	PICRIC ACID	NO
G83DNA	MW-83	08/20/1999	PROFILE	170.00	175.00	133.00	138.00	OC21V	ACETONE	
G83DOA	MW-83	08/23/1999	PROFILE	180.00	185.00	143.00	148.00	8330N	3-NITROTOLUENE	NO
G83DOA	MW-83	08/23/1999	PROFILE	180.00	185.00	143.00	148.00	8330N	PICRIC ACID	NO
G83DOA	MW-83	08/23/1999	PROFILE	180.00	185.00	143.00	148.00	OC21V	STYRENE	
G83DOA	MW-83	08/23/1999	PROFILE	180.00	185.00	143.00	148.00	OC21V	TOLUENE	
G83DPA	MW-83	08/23/1999	PROFILE	190.00	195.00	153.00	158.00	OC21V	ACETONE	
G83DPA	MW-83	08/23/1999	PROFILE	190.00	195.00	153.00	158.00	OC21V	TOLUENE	
G84DAA	MW-84	08/25/1999	PROFILE	40.00	45.00	1.15	6.15	OC21V	ACETONE	
G84DBA	MW-84	08/25/1999	PROFILE	50.00	55.00	11.15	16.15	OC21V	CHLOROFORM	
G84DCA	MW-84	08/25/1999	PROFILE	60.00	65.00	21.15	26.15	OC21V	CHLOROFORM	
G84DDA	MW-84	08/25/1999	PROFILE	70.00	75.00	31.15	36.15	OC21V	CHLOROFORM	
G84DEA	MW-84	08/25/1999	PROFILE	80.00	85.00	41.15	46.15	OC21V	CHLOROFORM	
G84DFA	MW-84	08/25/1999	PROFILE	90.00	95.00	51.15	56.15	OC21V	CHLOROFORM	
G84DGA	MW-84	08/26/1999	PROFILE	100.00	105.00	61.15	66.15	OC21V	CHLOROFORM	
G84DHA	MW-84	08/26/1999	PROFILE	110.00	115.00	71.15	76.15	OC21V	CHLOROFORM	
G84DIA	MW-84	08/26/1999	PROFILE	120.00	125.00	81.15	86.15	OC21V	CHLOROFORM	

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

SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BGS

SED = SAMPLE COLLECTION END DEPTH IN FEET BGS

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

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

PDA/YES = Photo Diode Array, Detect Confirmed

PDA/NO = Photo Diode Array, Detect Not Confirmed

TABLE 3
 DETECTED COMPOUNDS-UNVALIDATED
 SAMPLES COLLECTED 8/16/99-9/3/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G84DJA	MW-84	08/26/1999	PROFILE	130.00	135.00	91.15	96.15	OC21V	CHLOROFORM	
G84DKA	MW-84	08/26/1999	PROFILE	140.00	145.00	101.15	106.15	OC21V	CHLOROFORM	
G84DLA	MW-84	08/26/1999	PROFILE	150.00	155.00	111.15	116.15	OC21V	CHLOROFORM	
G84DMA	MW-84	08/27/1999	PROFILE	160.00	165.00	121.15	126.15	OC21V	CHLOROFORM	
G84DNA	MW-84	08/27/1999	PROFILE	170.00	175.00	131.15	136.15	OC21V	CHLOROFORM	
G84DOA	MW-84	08/27/1999	PROFILE	180.00	185.00	141.15	146.15	OC21V	CHLOROFORM	
G84DPA	MW-84	08/27/1999	PROFILE	190.00	195.00	151.15	156.15	OC21V	CHLOROFORM	
G84DQA	MW-84	08/27/1999	PROFILE	200.00	205.00	161.15	166.15	OC21V	CHLOROFORM	
G84DRA	MW-84	08/30/1999	PROFILE	208.00	213.00	169.15	174.15	OC21V	ACETONE	

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

SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BGS

SED = SAMPLE COLLECTION END DEPTH IN FEET BGS

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

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

PDA/YES = Photo Diode Array, Detect Confirmed

PDA/NO = Photo Diode Array, Detect Not Confirmed