WEEKLY PROGRESS UPDATE
FOR SEPTEMBER 27- OCTOBER 1, 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 September 27 to October 1, 1999.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of October 1 is summarized in Table 1.

Table 1. Drilling progress as of October 1, 1999

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-71	Gun and Mortar well (MP-7)	315	155	
MW-70	Gun and Mortar well (MP-4)	110		
MW-69	Gun and Mortar well (MP-3)	270	157	110-120 153-163 190-200
MW-67	Gun and Mortar well (GP-20)	310	154	161-171 243-253

bgs = below ground surface
bwt = below water table

Samples collected during the reporting period are summarized in Table 2. An air sample was collected downwind of the UXO detonation on the J-1 Range. Soil samples were collected from the detonation craters. Groundwater sampling continued for round 3 of the Phase I monitoring wells and for the first round of the newly installed wells. Groundwater profile samples were collected from MW-67 and MW-71; locations and drilling status for these wells are indicated in Table 1.

The Guard, EPA, and MADEP had a meeting on September 30 to discuss technical issues, including the following:

- The profile data and boring log for MW-67, faxed earlier, were discussed in order to select well screen positions. It was agreed to set a shallow screen at 5-15 feet bwt in order to bracket the shallow detection of 2,6-DNT, which is also where more VOCs were detected. It was also agreed to set a deeper screen at 87-97 feet bwt in order to bracket one of the RDX detects (none were confirmed by PDA) in a relatively sandy zone.
- A 2-page letter (9/28/99) from the Guard to EPA proposing locations and depths for Group 2 Far Field monitoring wells was provided. The Guard is seeking written approval of this drilling program as soon as possible. A 2-page letter (9/30/99) from EPA to the Guard was provided, directing the Guard to proceed with the installation of two Far Field monitoring well clusters upgradient from LRWS-3. The two clusters will be installed by 11/30/99.
- A 2-page letter (9/30/99) from Ogden to EPA responding to the agency's comments dated 4/15/99 was provided. The comments and responses are concerning the Guard's evaluation of the presence of Tentatively Identified Compounds (TICs) in the Phase I groundwater data.

- Two draft 1-page handouts were provided with suggested schedule milestones; one for the groundwater study (9/29/99) and one for the munitions survey (9/30/99). It was suggested that submittals of draft reports were logical milestones since these are the documents needed for decision-making, and it may be less important when particular events take place such as completion of sampling. EPA requested that the tabular presentation of the GW study milestones be reformatted into a Gantt chart. EPA requested that the Munitions Survey schedule include some additional details, such as when surveys are expected complete at each investigation area, though these might not be classified as milestones.
- A draft 4-page letter (9/29/99) from the Guard to the Army Corps of Engineers (ACOE) was provided, with a 1-page cover letter (9/29/99) indicating that the Guard is seeking input on this letter from the technical team within the next week (by 10/7). The letter to ACOE recommends an approach to investigation of the activities conducted by Textron at the J-1 and J-3 Ranges. Textron is required to repair any damage to the environment as a condition of its license termination, and ACOE is in charge of overseeing this requirement.
- There was a discussion of the sampling requirements for "extra" wells, which were not included in approved workplans but are sometimes added by the technical team based on chemistry or geology data collected while drilling. With regard to the specific screen added for MW-69 during Monday's conference call, EPA asked that this well be sampled one time for all Phase I analytes. There have been approximately 8-10 other wells added this year. The Guard will prepare a table identifying all wells constructed or sampled to date including the extra wells, and the sampling program that is currently in effect or proposed for each well including frequency and analytes. EPA requested that the sampling program for the extra wells be determined on a case-by-case basis depending on the rationale for installation.
- An 11-page letter (9/30/99) from the Guard to EPA was provided concerning additional sampling rounds for the "IRP Wells" that were added to the study by the 11/30/98 Supplement to Workplan for Completion of Phase I Activities. The letter proposes to conduct a second round of sampling for explosive analytes, except for four wells that do not appear to be monitoring groundwater from the Training Ranges or Impact Area. The Guard requests a response no later than 10/15/99 in order to sample the wells by 11/5/99.
- A 1-page map (no date) was provided showing proposed soil sampling locations for the artillery positions at the Former F Range. This map would be added to the Phase IIa FSP for Gun and Mortar Positions, if acceptable to the agencies. EPA requested that the clearing on the west side of the figure be identified.
- The UXO removal operation conducted in the morning was discussed. None of the rounds were detonated; several were determined to be inert, several had the fuze blown off and could be moved to the holding area. A modification to the sampling plan was discussed to address the issue of soil sampling when there is no detonation crater. The Guard will send a written request for modification to EPA so that, in this scenario, a discrete soil sample would be collected from beneath the round (sent by email 9/30).
- The latest groundwater sample from 95-14 was described as having a odor, but no PID response. The Guard has requested analysis for all Phase I compounds. The well will be surveyed to allow modeling of the source area to be performed.
- The issue of preserving soil samples for VOC analysis was revisited. As discussed at technical meetings in April-May 1999, a change from the current method to include use of the Encore (tm) sampling device has been recommended. The agencies indicated that this sampling method would be appropriate. The Guard also proposes to modify the VOC sampling frequency at the gun and mortar position soil grids. These locations are frequently graded and it appears unlikely that shallow soil would contain volatile compounds from a historic release. The modification (aside from using the Encore sampler) would be to collect VOC samples at the 18-24 inch depth in accordance with existing protocol, and to collect VOC samples from the 0-6 inch depth if there is a headspace screening detection above background using the PID. The Guard will submit this request in writing.

Also, the Guard will check with AFCEE regarding alternatives to hand auger sampling that would also improve preservation.

- The Guard mentioned that there needs to be a meeting with EPA for long-range planning.
- Ogden indicated that the requested particle track for MW-18 has been provided by USGS, but remains to be formatted. Work on the Interim Results Report maps are taking priority at this time. Ogden will try to complete for next week. The particle track for MW-2M2 has been prepared and will be sent by email.
- EPA requested a list of munitions currently being held for the CDC.
- The Guard showed a list of training activities for the preceding year that was prepared by Range Control. The Guard will distill this list to address the activities at gun and mortar positions. Also, the Guard will check with Facilities Engineering regarding the schedule for grading gun/mortar positions.
- The Guard showed a map from MASSGIS with public water supply wells in the area northwest of MMR. The Guard will check with Bob Burt for information on any additional wells in this area. Information on well depths will be collected to allow estimation of the contributing areas.
- EPA asked for clarification on Supplement #1 to the Groundwater FSP; it appears that the cover letter contradicts the plan, regarding 03MW0046.
- A 3-page letter (9/30/99) from EPA to the Guard was provided responding to the requests for extension related to UXO clearance. The letter provides new deadlines for the activities at the steel-sided pit, and EPA requests explanation and discussion of the UXO management policy for the IAGS.

2. SUMMARY OF DATA RECEIVED

Preliminary non-validated detections of explosive and volatile organic compounds (VOCs) are summarized in Table 3 for rush data received during the week. 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. Table 3 includes the following detections:

- A quality assurance sample from the MW-67 profile samples had detections of acetone and MEK.

- Groundwater profile samples from MW-67 had detections of acetone (7 intervals), MEK (4 intervals), 1,3,5-trinitrobenzene (7 intervals), 1,3-dinitrobenzene (2 intervals), 3-nitrotoluene (5 intervals), RDX (6 intervals), nitroglycerin (5 intervals), PETN (6 intervals), picric acid (5 intervals), and 4-nitrotoluene (1 interval). None of the explosives detected were confirmed by PDA spectra.

- Groundwater profile samples from MW-71 had detections of acetone (2 intervals), benzene (1 interval), chloroform (12 intervals), MEK (2 intervals), toluene (1 interval), 3-nitrotoluene (2 intervals, RDX (2 intervals), nitroglycerin (2 intervals), PETN (1 interval), and picric acid (2 intervals). None of the explosives detected were confirmed by the PDA spectra.

3. DELIVERABLES SUBMITTED

Draft Phase II(b) Supplemental Workplan	9/27/99
Weekly Progress Update for September 13-17, 1999	9/29/99
Weekly Progress Update for September 20-24, 1999	9/29/99

4. SCHEDULED ACTIONS

Scheduled actions for the week of October 4 include completion of drilling at MW-71 (MP-7); continue drilling on MW-70 (MP-4); commence drilling of MW-49 (LRWS 3 far field monitoring well); development and sampling of newly installed wells; and continued ground water sampling of round 3 of the Phase I monitoring wells and newly installed wells.

TABLE 2
SAMPLING PROGRESS
9/27-10/01

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
ASJ1RANGE	ASJ1RANGE	09/30/1999	AIR				
G67DIE	FIELDQC	09/27/1999	FIELDQC	0.00	0.00		
G67DIT	FIELDQC	09/27/1999	FIELDQC	0.00	0.00		
G71DAE	FIELDQC	09/28/1999	FIELDQC	0.00	0.00		
G71DCE	FIELDQC	09/28/1999	FIELDQC	0.00	0.00		
G71DDE	FIELDQC	09/28/1999	FIELDQC	0.00	0.00		
G71DDT	FIELDQC	09/28/1999	FIELDQC	0.00	0.00		
G71DJE	FIELDQC	09/29/1999	FIELDQC	0.00	0.00		
G71DJT	FIELDQC	09/29/1999	FIELDQC	0.00	0.00		
G71DME	FIELDQC	09/30/1999	FIELDQC	0.00	0.00		
G71DMT	FIELDQC	09/30/1999	FIELDQC	0.00	0.00		
WC5EXE	FIELDQC	09/28/1999	FIELDQC	0.00	0.00		
WC7CXE	FIELQC	09/28/1999	FIELDQC	0.00	0.00		
WF03XE	FIELDQC	09/30/1999	FIELDQC	0.00	0.00		
WF05XT	FIELDQC	10/01/1999	FIELDQC	0.00	0.00		
WG160E	FIELDQC	10/01/1999	FIELDQC	0.00	0.00		
W37M1A	MW-37	09/28/1999	GROUNDWATER			64.00	74.00
W37M2A	MW-37	09/29/1999	GROUNDWATER			28.00	38.00
W37M3A	MW-37	09/28/1999	GROUNDWATER			13.00	23.00
W37M3D	MW-37	09/28/1999	GROUNDWATER			13.00	23.00
W80M2A	MW-80	09/27/1999	GROUNDWATER			54.00	64.00
W9514A	95-14	09/27/1999	GROUNDWATER			90.00	120.00
W9705A	W9705A	09/27/1999	GROUNDWATER			76.00	86.00
WB703A	BB-703	09/30/1999	GROUNDWATER			0.00	0.00
WC11XA	58MW0011E	09/28/1999	GROUNDWATER			25.00	30.00
WC5EXA	58MW0005E	09/28/1999	GROUNDWATER			0.00	10.00
WC7CXA	58MW0007C	09/28/1999	GROUNDWATER			24.00	29.00
WC7EXA	58MW0007E	09/29/1999	GROUNDWATER			8.00	13.00
WC7EXE	FIELDQC	09/29/1999	GROUNDWATER	0.00	0.00		
WC9EXA	58MW0009E	09/28/1999	GROUNDWATER			21.00	26.00
WC9EXD	58MW0009E	09/28/1999	GROUNDWATER			21.00	26.00
WF03XA	90WT0003	09/30/1999	GROUNDWATER			0.00	10.00
WF05XA	90WT0005	10/01/1999	GROUNDWATER			0.00	10.00
WF08XA	90WT0008	09/27/1999	GROUNDWATER			0.00	10.00
WF10XA	90WT0010	09/29/1999	GROUNDWATER			2.00	12.00
WF143A	11MW0003	09/30/1999	GROUNDWATER			0.00	0.00
WF22XA	90MW0022	09/30/1999	GROUNDWATER			80.00	85.00
WF41XA	90MW0041	09/29/1999	GROUNDWATER			125.00	130.00
WF41XA	90MW0041	10/01/1999	GROUNDWATER			125.00	130.00
WF41XD	90MW0041	09/29/1999	GROUNDWATER			125.00	130.00
WF80XA	90MW0080	10/01/1999	GROUNDWATER			0.00	10.00
WG083A	BHW215083	09/29/1999	GROUNDWATER			0.00	0.00
WG111A	SDW263111	09/29/1999	GROUNDWATER			0.00	0.00
WG160A	SDW261160	10/01/1999	GROUNDWATER			0.00	0.00
WL23XA	LRWS2-3	09/30/1999	GROUNDWATER			68.00	83.00
WL23XD	LRWS2-3	09/30/1999	GROUNDWATER			68.00	83.00
WS122A	03MW0122A	09/30/1999	GROUNDWATER			1.00	11.00
WS122D	03MW0122A	09/30/1999	GROUNDWATER			1.00	11.00

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
9/27-10/01

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
SC6202	GAC WATER	10/01/1999	IDW	0.00	0.00		
SC6301	GAC WATER	10/01/1999	IDW	0.00	0.00		
SC6302	GAC WATER	10/01/1999	IDW	0.00	0.00		
SC6401	GAC WATER	10/01/1999	IDW	0.00	0.00		
SC6402	GAC WATER	10/01/1999	IDW	0.00	0.00		
SC6501	GAC WATER	09/28/1999	IDW	0.00	0.00		
SC6502	GAC WATER	09/28/1999	IDW	0.00	0.00		
SC6601	GAC WATER	09/28/1999	IDW	0.00	0.00		
SC6602	GAC WATER	09/28/1999	IDW	0.00	0.00		
SC6801	GAC WATER	10/01/1999	IDW	0.00	0.00		
SC6802	GAC WATER	10/01/1999	IDW	0.00	0.00		
SC6901	GAC WATER	10/01/1999	IDW	0.00	0.00		
SC6902	GAC WATER	10/01/1999	IDW	0.00	0.00		
SC8001	GAC WATER	09/28/1999	IDW	0.00	0.00		
SC8002	GAC WATER	09/28/1999	IDW	0.00	0.00		
SC8101	GAC WATER	09/28/1999	IDW	0.00	0.00		
SC8102	GAC WATER	09/28/1999	IDW	0.00	0.00		
SC8201	GAC WATER	09/28/1999	IDW	0.00	0.00		
SC8202	GAC WATER	09/28/1999	IDW	0.00	0.00		
SC8301	GAC WATER	09/28/1999	IDW	0.00	0.00		
SC8302	GAC WATER	09/28/1999	IDW	0.00	0.00		
SC8401	GAC WATER	09/28/1999	IDW	0.00	0.00		
SC8402	GAC WATER	09/28/1999	IDW	0.00	0.00		
G67DIA	MW-67	09/27/1999	PROFILE	248.00	248.00	92.30	92.30
G67DJA	MW-67	09/27/1999	PROFILE	258.00	258.00	102.30	102.30
G67DKA	MW-67	09/27/1999	PROFILE	268.00	268.00	112.30	112.30
G67DLA	MW-67	09/27/1999	PROFILE	277.00	277.00	121.30	121.30
G67DMA	MW-67	09/27/1999	PROFILE	287.00	287.00	131.30	131.30
G67DNA	MW-67	09/27/1999	PROFILE	297.00	297.00	141.30	141.30
G67DND	MW-67	09/27/1999	PROFILE	297.00	297.00	141.30	141.30
G67DOA	MW-67	09/27/1999	PROFILE	307.00	307.00	151.30	151.30
G71DAA	MW-71	09/27/1999	PROFILE	164.00	169.00	4.00	9.00
G71DBA	MW-71	09/27/1999	PROFILE	170.00	175.00	10.00	15.00
G71DCA	MW-71	09/28/1999	PROFILE	180.00	185.00	20.00	25.00
G71DDA	MW-71	09/28/1999	PROFILE	190.00	195.00	30.00	35.00
G71DDD	MW-71	09/28/1999	PROFILE	190.00	195.00	30.00	35.00
G71DEA	MW-71	09/28/1999	PROFILE	200.00	205.00	40.00	45.00
G71DFA	MW-71	09/28/1999	PROFILE	210.00	215.00	50.00	55.00
G71DGA	MW-71	09/28/1999	PROFILE	220.00	225.00	60.00	65.00
G71DHA	MW-71	09/28/1999	PROFILE	230.00	235.00	70.00	75.00
G71DIA	MW-71	09/28/1999	PROFILE	240.00	245.00	80.00	85.00
G71DJA	MW-71	09/29/1999	PROFILE	250.00	255.00	90.00	95.00
G71DJD	MW-71	09/29/1999	PROFILE	250.00	255.00	90.00	95.00
G71DKA	MW-71	09/29/1999	PROFILE	260.00	265.00	100.00	105.00
G71DLA	MW-71	09/29/1999	PROFILE	270.00	285.00	110.00	125.00
G71DMA	MW-71	09/30/1999	PROFILE	280.00	285.00	120.00	125.00
G71DOA	MW-71	09/30/1999	PROFILE	300.00	305.00	140.00	145.00
G71DPA	MW-71	09/30/1999	PROFILE	310.00	315.00	150.00	155.00
HDJRANGEA	HDJRANGEA	09/30/1999	SOIL BORING	0.00	3.00		

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
9/27-10/01

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HDJRANGEI	HDJRANGEI	09/30/1999	SOIL BORING	0.00	3.00		

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 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 9/27/99-10/01/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G67DIE	FIELDQC	09/27/1999	FIELDQC	0.00	0.00			OC21V	ACETONE	
G67DIE	FIELDQC	09/27/1999	FIELDQC	0.00	0.00			OC21V	METHYL ETHYL KETONE (2-BUT	
G67DIA	MW-67	09/27/1999	PROFILE	248.00	248.00	92.30	92.30	8330N	1,3,5-TRINITROBENZENE	NO
G67DIA	MW-67	09/27/1999	PROFILE	248.00	248.00	92.30	92.30	8330N	1,3-DINITROBENZENE	NO
G67DIA	MW-67	09/27/1999	PROFILE	248.00	248.00	92.30	92.30	8330N	3-NITROTOLUENE	NO
G67DIA	MW-67	09/27/1999	PROFILE	248.00	248.00	92.30	92.30	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G67DIA	MW-67	09/27/1999	PROFILE	248.00	248.00	92.30	92.30	8330N	NITROGLYCERIN	NO
G67DIA	MW-67	09/27/1999	PROFILE	248.00	248.00	92.30	92.30	8330N	PENTAERYTHRITOL TETRANITR	NO
G67DIA	MW-67	09/27/1999	PROFILE	248.00	248.00	92.30	92.30	8330N	PICRIC ACID	NO
G67DIA	MW-67	09/27/1999	PROFILE	248.00	248.00	92.30	92.30	OC21V	ACETONE	
G67DIA	MW-67	09/27/1999	PROFILE	248.00	248.00	92.30	92.30	OC21V	METHYL ETHYL KETONE (2-BUT	
G67DJA	MW-67	09/27/1999	PROFILE	258.00	258.00	102.30	102.30	8330N	1,3,5-TRINITROBENZENE	NO
G67DJA	MW-67	09/27/1999	PROFILE	258.00	258.00	102.30	102.30	8330N	1,3-DINITROBENZENE	NO
G67DJA	MW-67	09/27/1999	PROFILE	258.00	258.00	102.30	102.30	8330N	3-NITROTOLUENE	NO
G67DJA	MW-67	09/27/1999	PROFILE	258.00	258.00	102.30	102.30	8330N	4-NITROTOLUENE	NO
G67DJA	MW-67	09/27/1999	PROFILE	258.00	258.00	102.30	102.30	8330N	PENTAERYTHRITOL TETRANITR	NO
G67DJA	MW-67	09/27/1999	PROFILE	258.00	258.00	102.30	102.30	8330N	PICRIC ACID	NO
G67DJA	MW-67	09/27/1999	PROFILE	258.00	258.00	102.30	102.30	OC21V	ACETONE	
G67DJA	MW-67	09/27/1999	PROFILE	258.00	258.00	102.30	102.30	OC21V	METHYL ETHYL KETONE (2-BUT	
G67DKA	MW-67	09/27/1999	PROFILE	268.00	268.00	112.30	112.30	8330N	1,3,5-TRINITROBENZENE	NO
G67DKA	MW-67	09/27/1999	PROFILE	268.00	268.00	112.30	112.30	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G67DKA	MW-67	09/27/1999	PROFILE	268.00	268.00	112.30	112.30	8330N	NITROGLYCERIN	NO
G67DKA	MW-67	09/27/1999	PROFILE	268.00	268.00	112.30	112.30	8330N	PENTAERYTHRITOL TETRANITR	NO
G67DKA	MW-67	09/27/1999	PROFILE	268.00	268.00	112.30	112.30	OC21V	ACETONE	
G67DLA	MW-67	09/27/1999	PROFILE	277.00	277.00	121.30	121.30	8330N	1,3,5-TRINITROBENZENE	NO
G67DLA	MW-67	09/27/1999	PROFILE	277.00	277.00	121.30	121.30	8330N	3-NITROTOLUENE	NO
G67DLA	MW-67	09/27/1999	PROFILE	277.00	277.00	121.30	121.30	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G67DLA	MW-67	09/27/1999	PROFILE	277.00	277.00	121.30	121.30	8330N	NITROGLYCERIN	NO
G67DLA	MW-67	09/27/1999	PROFILE	277.00	277.00	121.30	121.30	OC21V	ACETONE	
G67DMA	MW-67	09/27/1999	PROFILE	287.00	287.00	131.30	131.30	8330N	1,3,5-TRINITROBENZENE	NO
G67DMA	MW-67	09/27/1999	PROFILE	287.00	287.00	131.30	131.30	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G67DMA	MW-67	09/27/1999	PROFILE	287.00	287.00	131.30	131.30	8330N	PENTAERYTHRITOL TETRANITR	NO
G67DMA	MW-67	09/27/1999	PROFILE	287.00	287.00	131.30	131.30	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

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 9/27/99-10/01/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G67DMA	MW-67	09/27/1999	PROFILE	287.00	287.00	131.30	131.30	OC21V	ACETONE	
G67DNA	MW-67	09/27/1999	PROFILE	297.00	297.00	141.30	141.30	8330N	1,3,5-TRINITROBENZENE	NO
G67DNA	MW-67	09/27/1999	PROFILE	297.00	297.00	141.30	141.30	8330N	3-NITROTOLUENE	NO
G67DNA	MW-67	09/27/1999	PROFILE	297.00	297.00	141.30	141.30	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G67DNA	MW-67	09/27/1999	PROFILE	297.00	297.00	141.30	141.30	8330N	NITROGLYCERIN	NO
G67DNA	MW-67	09/27/1999	PROFILE	297.00	297.00	141.30	141.30	8330N	PENTAERYTHRITOL TETRANITR	NO
G67DNA	MW-67	09/27/1999	PROFILE	297.00	297.00	141.30	141.30	8330N	PICRIC ACID	NO
G67DNA	MW-67	09/27/1999	PROFILE	297.00	297.00	141.30	141.30	OC21V	ACETONE	
G67DNA	MW-67	09/27/1999	PROFILE	297.00	297.00	141.30	141.30	OC21V	METHYL ETHYL KETONE (2-BUT/	
G67DOA	MW-67	09/27/1999	PROFILE	307.00	307.00	151.30	151.30	8330N	1,3,5-TRINITROBENZENE	NO
G67DOA	MW-67	09/27/1999	PROFILE	307.00	307.00	151.30	151.30	8330N	3-NITROTOLUENE	NO
G67DOA	MW-67	09/27/1999	PROFILE	307.00	307.00	151.30	151.30	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G67DOA	MW-67	09/27/1999	PROFILE	307.00	307.00	151.30	151.30	8330N	NITROGLYCERIN	NO
G67DOA	MW-67	09/27/1999	PROFILE	307.00	307.00	151.30	151.30	8330N	PENTAERYTHRITOL TETRANITR	NO
G67DOA	MW-67	09/27/1999	PROFILE	307.00	307.00	151.30	151.30	8330N	PICRIC ACID	NO
G67DOA	MW-67	09/27/1999	PROFILE	307.00	307.00	151.30	151.30	OC21V	ACETONE	
G67DOA	MW-67	09/27/1999	PROFILE	307.00	307.00	151.30	151.30	OC21V	METHYL ETHYL KETONE (2-BUT/	
G71DAA	MW-71	09/27/1999	PROFILE	164.00	169.00	4.00	9.00	8330N	3-NITROTOLUENE	NO
G71DAA	MW-71	09/27/1999	PROFILE	164.00	169.00	4.00	9.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G71DAA	MW-71	09/27/1999	PROFILE	164.00	169.00	4.00	9.00	8330N	NITROGLYCERIN	NO
G71DAA	MW-71	09/27/1999	PROFILE	164.00	169.00	4.00	9.00	8330N	PENTAERYTHRITOL TETRANITR	NO
G71DAA	MW-71	09/27/1999	PROFILE	164.00	169.00	4.00	9.00	8330N	PICRIC ACID	NO
G71DAA	MW-71	09/27/1999	PROFILE	164.00	169.00	4.00	9.00	OC21V	ACETONE	
G71DAA	MW-71	09/27/1999	PROFILE	164.00	169.00	4.00	9.00	OC21V	BENZENE	
G71DAA	MW-71	09/27/1999	PROFILE	164.00	169.00	4.00	9.00	OC21V	CHLOROFORM	
G71DAA	MW-71	09/27/1999	PROFILE	164.00	169.00	4.00	9.00	OC21V	METHYL ETHYL KETONE (2-BUT/	
G71DAA	MW-71	09/27/1999	PROFILE	164.00	169.00	4.00	9.00	OC21V	TOLUENE	
G71DBA	MW-71	09/27/1999	PROFILE	170.00	175.00	10.00	15.00	8330N	3-NITROTOLUENE	NO
G71DBA	MW-71	09/27/1999	PROFILE	170.00	175.00	10.00	15.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G71DBA	MW-71	09/27/1999	PROFILE	170.00	175.00	10.00	15.00	8330N	NITROGLYCERIN	NO
G71DBA	MW-71	09/27/1999	PROFILE	170.00	175.00	10.00	15.00	8330N	PICRIC ACID	NO
G71DBA	MW-71	09/27/1999	PROFILE	170.00	175.00	10.00	15.00	OC21V	ACETONE	
G71DBA	MW-71	09/27/1999	PROFILE	170.00	175.00	10.00	15.00	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 9/27/99-10/01/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G71DBA	MW-71	09/27/1999	PROFILE	170.00	175.00	10.00	15.00	OC21V	METHYL ETHYL KETONE (2-BUT/	
G71DCA	MW-71	09/28/1999	PROFILE	180.00	185.00	20.00	25.00	OC21V	CHLOROFORM	
G71DEA	MW-71	09/28/1999	PROFILE	200.00	205.00	40.00	45.00	OC21V	CHLOROFORM	
G71DFA	MW-71	09/28/1999	PROFILE	210.00	215.00	50.00	55.00	OC21V	CHLOROFORM	
G71DGA	MW-71	09/28/1999	PROFILE	220.00	225.00	60.00	65.00	OC21V	CHLOROFORM	
G71DHA	MW-71	09/28/1999	PROFILE	230.00	235.00	70.00	75.00	OC21V	CHLOROFORM	
G71DIA	MW-71	09/28/1999	PROFILE	240.00	245.00	80.00	85.00	OC21V	CHLOROFORM	
G71DJA	MW-71	09/29/1999	PROFILE	250.00	255.00	90.00	95.00	OC21V	CHLOROFORM	
G71DKA	MW-71	09/29/1999	PROFILE	260.00	265.00	100.00	105.00	OC21V	CHLOROFORM	
G71DLA	MW-71	09/29/1999	PROFILE	270.00	285.00	110.00	125.00	OC21V	CHLOROFORM	
G71DMA	MW-71	09/30/1999	PROFILE	280.00	285.00	120.00	125.00	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