WEEKLY PROGRESS UPDATE
FOR AUGUST 9-AUGUST 13, 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 9 to August 13, 1999.

1. SUMMARY OF ACTIONS TAKEN

Drilling was completed on MW-80b (Bourne water supply far field monitoring well) and achieved a total depth of 188 feet below ground surface. Monitoring wells were completed at depths of 130' to 140' bgs and 158' to 168' bgs at this location. Drilling commenced on MW-81 and achieved a total depth of 175 feet below ground surface at the end of the week. Samples collected during the reporting period are summarized in Table 1. Groundwater samples were collected from the four Bourne water supply wells, PAVE PAWS MW-3, and 90LWA0007 (resampled due to lab error). Groundwater profile samples were collected from MW-81.

The Guard, EPA, and MADEP had a meeting on August 12 to discuss technical issues, including the following:

- Field activities for the next few weeks were discussed, including UXO clearance, road building, groundwater sampling, and drilling. The short-term funding for these activities is coming from the funding that was being reserved for additional Demo 1 investigation. In the next few weeks additional funding is expected from the Guard. Tetra Tech described field work related to the munition survey. Tetra Tech will coordinate with EPA and MADEP on reconnaissance of the gun positions, ponds, and other survey locations. The Guard noted that it has a January 1999 report by the ACE Waterways Experiment Station that lists the water bodies at MMR. Ogden will keep Tetra Tech informed regarding the UXO clearance for drilling operations at the gun and mortar positions.
- The Guard's recent letters requesting extensions to EPA deadlines were discussed. EPA did not allow the extension of time that would allow repositioning of the U Range well. EPA indicated that the request for extending the time for the second round of sampling MMR supply wells for drinking water analytes could be granted. The extension would be to allow approximately 3 months between sampling rounds, one of which was recently completed.
- The status of the chemical monitoring wells for Bourne 95-15 was discussed. AFCEE will meet again with MADEP and Bourne to discuss the installation of these wells.
- A 4-page handout was provided summarizing the groundwater monitoring results for metals analyses at the A, B, and G small arms ranges. Lead was not detected in groundwater at any of the three locations. The results will be included in the Interim Results Report. Ogden to check on why the concentrations are reported as "0", rather than the reporting limit, for the 1999 data. After the meeting it was determined that the new ERPIMS database format specifies use of "0" in the PARVAL field when there is a non-detect, and the reporting limit is specified in a separate database field.
- A 3-page handout was provided summarizing the profile results for MW-60, installed at the primary target on the KD Range. A number of explosive analytes were detected in the profile samples, but most were not confirmed using PDA. The false positives included nitroglycerin, nitrotoluenes, nitrobenzenes, picric acid, tetryl, PETN, and TNT. 2,6-DNT was detected once, in the profile sample from about 87 feet bwt. The PDA spectra for this compound was not a good match to the standard, but was close enough to confirm it as a detection. RDX was not detected in any of the profile

samples. VOCs in the profile samples included acetone, MEK, toluene, chloroform, methylene chloride, styrene, and xylenes.

- A 2-page handout was provided summarizing the profile results for MW-61, installed at the secondary target on the KD Range. A number of explosive analytes were detected in the profile samples, but most were not confirmed using PDA. The false positives included nitroglycerin, nitrotoluenes, and PETN. 2,6-DNT was detected twice, in the profile samples from about 17 and 47 feet bwt. The PDA spectra for this compound were not good matches to the standard, but were close enough to confirm them as detections. VOCs in the profile samples included acetone, MEK, chloroform, chloroethane, chloromethane, and 2-hexanone.
- Ogden did not have the profile summary requested by EPA for MW-26 and –59. (This summary will be included in the response plan for the RDX groundwater detections in the Impact Area).
- A 7-page memo was provided by the Guard summarizing the results of the UXO inventory at the APC on Turpentine Road. The vast majority of items were positively identified as scrap. 173 items were suspected to be training rounds. 167 of these items will be held pending disposal in the controlled detonation chamber. The remaining six items which are too large for the chamber are being held pending determination of disposal procedures.
- There was a discussion of the gun/mortar firing procedures, as EPA had requested for evaluation of the draft FSP. The Guard described how artillery is set up at the position, in the open area or along the back of the position. Bag burning was conducted in an open area away from the equipment.
- The soil sampling results for the recent UXO detonation will be summarized for next week's meeting.
- Soil sampling at the APC beneath the former debris pile is expected to be completed shortly. Ogden selected soil sampling locations on Friday 8/13. The Guard will arrange with EOD to move nearby rounds far enough from the sampling locations so that the boring locations can be flagged for magnetic anomalies.
- EPA requested that the Guard provide information regarding costs of the IAGS.
- The Guard will finalize proposals for the J Well and Sandwich far field monitoring wells. ZOCs for the latter still need to be obtained from AFCEE or JPO.
- EPA asked that the draft CWR for the IAGS be provided in electronic form. Ogden will email the text to EPA.
- EPA asked whether additional information had been requested from ISOTEC for their proposed lab study of in situ oxidation. The Guard will review past meeting minutes to see if there was a request.
- The Guard indicated that a group of retired volunteers is looking for field projects to perform. The Guard will meet with the group on September 8.

2. SUMMARY OF DATA RECEIVED

Preliminary non-validated detections of explosive and volatile organic compounds (VOCs) are summarized in Table 2 for samples collected during the preceding three-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 2, 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 2 were discussed in last week’s progress report. The range of sample dates included in Table 2 overlaps from week-to-week due to the method of reporting and extracting these data. New detections in Table 2 that were not discussed in last week’s report include:

- A Field Quality Control (QC) sample from one of the detonation crater soil samples had a detection of nitroglycerin. PDA spectra were not yet available for this detection.

- Groundwater profile samples from MW-81 had detections of chloroform (14 intervals), toluene (6 intervals), acetone (3 intervals), and carbon disulfide (1 interval).

3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period include the following:

Monthly Progress Report #28 (July 1999) August 10, 1999

4. SCHEDULED ACTIONS

Scheduled actions for the week of August 16 include completion of drilling at MW-81, commence drilling of MW-82 and MW-83, and commence ground water sampling of round two of the Phase IIa monitoring wells.

TABLE 1
SAMPLING PROGRESS
8/8-8/14

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
90LWA0007E	FIELDQC	8/13/1999	FIELDQC	0.00	0.00		
G81DBE	FIELDQC	8/12/1999	FIELDQC	0.00	0.00		
G81DBT	FIELDQC	8/11/1999	FIELDQC	0.00	0.00		
G81DMT	FIELDQC	8/13/1999	FIELDQC	0.00	0.00		
G81DOE	FIELDQC	8/13/1999	FIELDQC	0.00	0.00		
PPAWSMW-3E	FIELDQC	8/12/1999	FIELDQC	0.00	0.00		
PPAWSMW-3T	FIELDQC	8/12/1999	FIELDQC	0.00	0.00		
4036000-01G	4036000-01G	8/9/1999	GROUNDWATER			6.00	12.00
4036000-03G	4036000-03G	8/9/1999	GROUNDWATER			6.00	12.00
4036000-04G	4036000-04G	8/9/1999	GROUNDWATER			6.00	12.00
4036000-04GD	4036000-04G	8/9/1999	GROUNDWATER			6.00	12.00
4036000-06G	4036000-06G	8/9/1999	GROUNDWATER			6.00	12.00
90LWA0007	90LWA0007	8/13/1999	GROUNDWATER			0.00	10.00
PPAWSMW-3	PPAWSMW-3	8/12/1999	GROUNDWATER			0.00	10.00
DW6312	GAC WATER	8/12/1999	IDW	0.00	0.00		
DW8113	GAC WATER	8/13/1999	IDW	0.00	0.00		
G81DAA	MW-81	8/11/1999	PROFILE	30.00	35.00	1.50	6.50
G81DBA	MW-81	8/11/1999	PROFILE	40.00	45.00	11.50	16.50
G81DCA	MW-81	8/12/1999	PROFILE	50.00	55.00	21.50	26.50
G81DCD	MW-81	8/12/1999	PROFILE	50.00	55.00	21.50	26.50
G81DDA	MW-81	8/12/1999	PROFILE	60.00	65.00	31.50	36.50
G81DEA	MW-81	8/12/1999	PROFILE	70.00	75.00	41.50	46.50
G81DFA	MW-81	8/12/1999	PROFILE	80.00	85.00	51.50	56.50
G81DGA	MW-81	8/12/1999	PROFILE	90.00	95.00	61.50	66.50
G81DHA	MW-81	8/12/1999	PROFILE	100.00	105.00	71.50	76.50
G81DIA	MW-81	8/12/1999	PROFILE	110.00	115.00	81.50	86.50
G81DJA	MW-81	8/12/1999	PROFILE	120.00	125.00	91.50	96.50
G81DKA	MW-81	8/12/1999	PROFILE	130.00	135.00	101.50	106.50
G81DLA	MW-81	8/13/1999	PROFILE	140.00	145.00	111.50	116.50
G81DMA	MW-81	8/13/1999	PROFILE	150.00	155.00	121.50	126.50
G81DNA	MW-81	8/13/1999	PROFILE	160.00	165.00	131.50	136.50
G81DND	MW-81	8/13/1999	PROFILE	160.00	165.00	131.50	136.50
G81DOA	MW-81	8/13/1999	PROFILE	170.00	175.00	141.50	146.50

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
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 7/25/99-8/14/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
AS37/40	AS37/40	8/3/1999	AIR	0.00	0.00			8330N	2,6-DINITROTOLUENE	
AS37/40	AS37/40	8/3/1999	AIR	0.00	0.00			8330N	PENTAERYTHRITOL TETRANITR	
AS37/40	AS37/40	8/3/1999	AIR	0.00	0.00			8330N	TETRYL	
ASAVERYRD	ASAVERYRD	8/3/1999	AIR	0.00	0.00			8330N	2,6-DINITROTOLUENE	
ASAVERYRD	ASAVERYRD	8/3/1999	AIR	0.00	0.00			8330N	PENTAERYTHRITOL TETRANITR	
ASAVERYRD	ASAVERYRD	8/3/1999	AIR	0.00	0.00			8330N	TETRYL	
ASJ1RANGE	ASJ1RANGE	8/3/1999	AIR	0.00	0.00			8330N	2,6-DINITROTOLUENE	
ASJ1RANGE	ASJ1RANGE	8/3/1999	AIR	0.00	0.00			8330N	PENTAERYTHRITOL TETRANITR	
ASJ1RANGE	ASJ1RANGE	8/3/1999	AIR	0.00	0.00			8330N	TETRYL	
PUFBLK	PUFLCSD	8/3/1999	AIR	0.00	0.00			8330N	2,6-DINITROTOLUENE	
PUFBLK	PUFLCSD	8/3/1999	AIR	0.00	0.00			8330N	PENTAERYTHRITOL TETRANITR	
PUFBLK	PUFLCSD	8/3/1999	AIR	0.00	0.00			8330N	TETRYL	
HD105MMTRMW37E	FIELDQC	8/6/1999	FIELDQC	0.00	0.00			8330N	NITROGLYCERIN	
G61MAA	MW-61	7/29/1999	PROFILE	105.00	105.00	5.20	5.20	OC21V	ACETONE	
G61MAA	MW-61	7/29/1999	PROFILE	105.00	105.00	5.20	5.20	OC21V	METHYL ETHYL KETONE (2-BUT	
G61MBA	MW-61	7/30/1999	PROFILE	110.00	110.00	10.20	10.20	8330N	2,6-DINITROTOLUENE	
G61MBA	MW-61	7/30/1999	PROFILE	110.00	110.00	10.20	10.20	8330N	3-NITROTOLUENE	
G61MBA	MW-61	7/30/1999	PROFILE	110.00	110.00	10.20	10.20	8330N	4-NITROTOLUENE	
G61MBA	MW-61	7/30/1999	PROFILE	110.00	110.00	10.20	10.20	8330N	NITROGLYCERIN	
G61MBA	MW-61	7/30/1999	PROFILE	110.00	110.00	10.20	10.20	OC21V	ACETONE	
G61MBA	MW-61	7/30/1999	PROFILE	110.00	110.00	10.20	10.20	OC21V	METHYL ETHYL KETONE (2-BUT	
G61MCA	MW-61	7/30/1999	PROFILE	120.00	120.00	20.20	20.20	8330N	3-NITROTOLUENE	
G61MCA	MW-61	7/30/1999	PROFILE	120.00	120.00	20.20	20.20	8330N	4-NITROTOLUENE	
G61MCA	MW-61	7/30/1999	PROFILE	120.00	120.00	20.20	20.20	8330N	NITROGLYCERIN	
G61MCA	MW-61	7/30/1999	PROFILE	120.00	120.00	20.20	20.20	8330N	PENTAERYTHRITOL TETRANITR	
G61MCA	MW-61	7/30/1999	PROFILE	120.00	120.00	20.20	20.20	OC21V	ACETONE	
G61MCA	MW-61	7/30/1999	PROFILE	120.00	120.00	20.20	20.20	OC21V	CHLOROETHANE	
G61MCA	MW-61	7/30/1999	PROFILE	120.00	120.00	20.20	20.20	OC21V	METHYL ETHYL KETONE (2-BUT	
G61MDA	MW-61	7/30/1999	PROFILE	130.00	130.00	30.20	30.20	OC21V	ACETONE	
G61MDA	MW-61	7/30/1999	PROFILE	130.00	130.00	30.20	30.20	OC21V	CHLOROFORM	
G61MEA	MW-61	7/30/1999	PROFILE	140.00	140.00	40.20	40.20	8330N	2,6-DINITROTOLUENE	
G61MEA	MW-61	7/30/1999	PROFILE	140.00	140.00	40.20	40.20	8330N	3-NITROTOLUENE	
G61MEA	MW-61	7/30/1999	PROFILE	140.00	140.00	40.20	40.20	8330N	4-NITROTOLUENE	

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 2
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 7/25/99-8/14/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G61MEA	MW-61	7/30/1999	PROFILE	140.00	140.00	40.20	40.20	OC21V	ACETONE	
G61MEA	MW-61	7/30/1999	PROFILE	140.00	140.00	40.20	40.20	OC21V	METHYL ETHYL KETONE (2-BUT/	
G61MFA	MW-61	7/30/1999	PROFILE	150.00	150.00	50.20	50.20	8330N	3-NITROTOLUENE	
G61MFA	MW-61	7/30/1999	PROFILE	150.00	150.00	50.20	50.20	8330N	4-NITROTOLUENE	
G61MFA	MW-61	7/30/1999	PROFILE	150.00	150.00	50.20	50.20	8330N	NITROGLYCERIN	
G61MFA	MW-61	7/30/1999	PROFILE	150.00	150.00	50.20	50.20	8330N	PENTAERYTHRITOL TETRANITR	
G61MFA	MW-61	7/30/1999	PROFILE	150.00	150.00	50.20	50.20	OC21V	ACETONE	
G61MFA	MW-61	7/30/1999	PROFILE	150.00	150.00	50.20	50.20	OC21V	CHLOROFORM	
G61MGA	MW-61	7/30/1999	PROFILE	160.00	160.00	60.20	60.20	8330N	3-NITROTOLUENE	
G61MGA	MW-61	7/30/1999	PROFILE	160.00	160.00	60.20	60.20	8330N	4-NITROTOLUENE	
G61MGA	MW-61	7/30/1999	PROFILE	160.00	160.00	60.20	60.20	8330N	NITROGLYCERIN	
G61MGA	MW-61	7/30/1999	PROFILE	160.00	160.00	60.20	60.20	8330N	PENTAERYTHRITOL TETRANITR	
G61MGA	MW-61	7/30/1999	PROFILE	160.00	160.00	60.20	60.20	OC21V	ACETONE	
G61MGA	MW-61	7/30/1999	PROFILE	160.00	160.00	60.20	60.20	OC21V	CHLOROFORM	
G61MGA	MW-61	7/30/1999	PROFILE	160.00	160.00	60.20	60.20	OC21V	METHYL ETHYL KETONE (2-BUT/	
G61MHA	MW-61	8/2/1999	PROFILE	170.00	170.00	70.20	70.20	8330N	3-NITROTOLUENE	
G61MHA	MW-61	8/2/1999	PROFILE	170.00	170.00	70.20	70.20	8330N	4-NITROTOLUENE	
G61MHA	MW-61	8/2/1999	PROFILE	170.00	170.00	70.20	70.20	OC21V	2-HEXANONE	
G61MHA	MW-61	8/2/1999	PROFILE	170.00	170.00	70.20	70.20	OC21V	ACETONE	
G61MHA	MW-61	8/2/1999	PROFILE	170.00	170.00	70.20	70.20	OC21V	CHLOROFORM	
G61MHA	MW-61	8/2/1999	PROFILE	170.00	170.00	70.20	70.20	OC21V	CHLOROMETHANE	
G61MHA	MW-61	8/2/1999	PROFILE	170.00	170.00	70.20	70.20	OC21V	METHYL ETHYL KETONE (2-BUT/	
G61MIA	MW-61	8/2/1999	PROFILE	180.00	180.00	80.20	80.20	8330N	3-NITROTOLUENE	
G61MIA	MW-61	8/2/1999	PROFILE	180.00	180.00	80.20	80.20	8330N	4-NITROTOLUENE	
G61MIA	MW-61	8/2/1999	PROFILE	180.00	180.00	80.20	80.20	8330N	NITROGLYCERIN	
G61MIA	MW-61	8/2/1999	PROFILE	180.00	180.00	80.20	80.20	OC21V	ACETONE	
G61MIA	MW-61	8/2/1999	PROFILE	180.00	180.00	80.20	80.20	OC21V	CHLOROFORM	
G61MIA	MW-61	8/2/1999	PROFILE	180.00	180.00	80.20	80.20	OC21V	METHYL ETHYL KETONE (2-BUT/	
G61MJA	MW-61	8/2/1999	PROFILE	190.00	190.00	90.20	90.20	8330N	NITROGLYCERIN	
G61MJA	MW-61	8/2/1999	PROFILE	190.00	190.00	90.20	90.20	OC21V	ACETONE	
G61MJA	MW-61	8/2/1999	PROFILE	190.00	190.00	90.20	90.20	OC21V	CHLOROFORM	
G61MKA	MW-61	8/2/1999	PROFILE	200.00	200.00	100.20	100.20	8330N	NITROGLYCERIN	
G61MKA	MW-61	8/2/1999	PROFILE	200.00	200.00	100.20	100.20	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

TABLE 2
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 7/25/99-8/14/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G61MKA	MW-61	8/2/1999	PROFILE	200.00	200.00	100.20	100.20	OC21V	CHLOROFORM	
G80DAA	MW-80	7/29/1999	PROFILE	40.00	45.00	-5.60	-0.60	8330N	3-NITROTOLUENE	NO
G80DAA	MW-80	7/29/1999	PROFILE	40.00	45.00	-5.60	-0.60	8330N	NITROGLYCERIN	NO
G80DAA	MW-80	7/29/1999	PROFILE	40.00	45.00	-5.60	-0.60	8330N	PICRIC ACID	NO
G80DAA	MW-80	7/29/1999	PROFILE	40.00	45.00	-5.60	-0.60	OC21V	ACETONE	
G80DAA	MW-80	7/29/1999	PROFILE	40.00	45.00	-5.60	-0.60	OC21V	CHLOROFORM	
G80DBA	MW-80	7/29/1999	PROFILE	50.00	55.00	4.40	9.40	8330N	3-NITROTOLUENE	NO
G80DBA	MW-80	7/29/1999	PROFILE	50.00	55.00	4.40	9.40	8330N	4-NITROTOLUENE	NO
G80DBA	MW-80	7/29/1999	PROFILE	50.00	55.00	4.40	9.40	8330N	NITROGLYCERIN	NO
G80DBA	MW-80	7/29/1999	PROFILE	50.00	55.00	4.40	9.40	OC21V	ACETONE	
G80DBA	MW-80	7/29/1999	PROFILE	50.00	55.00	4.40	9.40	OC21V	CHLOROFORM	
G80DCA	MW-80	7/30/1999	PROFILE	60.00	65.00	14.40	19.40	OC21V	CHLOROFORM	
G80DCD	MW-80	7/30/1999	PROFILE	60.00	65.00	14.40	19.40	OC21V	CHLOROFORM	
G80DDA	MW-80	7/30/1999	PROFILE	70.00	75.00	24.40	29.40	OC21V	CHLOROFORM	
G80DDA	MW-80	7/30/1999	PROFILE	70.00	75.00	24.40	29.40	OC21V	TOLUENE	
G80DEA	MW-80	7/30/1999	PROFILE	80.00	85.00	34.40	39.40	OC21V	CHLOROFORM	
G80DFA	MW-80	7/30/1999	PROFILE	90.00	95.00	44.40	49.40	OC21V	CHLOROFORM	
G80DGA	MW-80	7/30/1999	PROFILE	100.00	105.00	54.40	59.40	OC21V	CHLOROFORM	
G80DHA	MW-80	7/30/1999	PROFILE	110.00	115.00	64.40	69.40	OC21V	CHLOROFORM	
G80DHA	MW-80	7/30/1999	PROFILE	110.00	115.00	64.40	69.40	OC21V	TOLUENE	
G80DIA	MW-80	7/30/1999	PROFILE	120.00	125.00	74.40	79.40	OC21V	CHLOROFORM	
G80DJA	MW-80	7/30/1999	PROFILE	130.00	135.00	84.40	89.40	OC21V	CHLOROFORM	
G80DKA	MW-80	7/30/1999	PROFILE	140.00	145.00	94.40	99.40	OC21V	CHLOROFORM	
G80DMA	MW-80	8/3/1999	PROFILE	160.00	165.00	114.40	119.40	OC21V	TOLUENE	
G80DPA	MW-80	8/3/1999	PROFILE	190.00	195.00	144.40	149.40	OC21V	TOLUENE	
G80DPD	MW-80	8/4/1999	PROFILE	190.00	195.00	144.40	149.40	OC21V	TOLUENE	
G80DRA	MW-80	8/4/1999	PROFILE	210.00	215.00	164.40	169.40	8330N	NITROGLYCERIN	NO
G80DRA	MW-80	8/4/1999	PROFILE	210.00	215.00	164.40	169.40	8330N	PICRIC ACID	NO
G80DRA	MW-80	8/4/1999	PROFILE	210.00	215.00	164.40	169.40	OC21V	TOLUENE	
G81DAA	MW-81	8/11/1999	PROFILE	30.00	35.00	1.50	6.50	OC21V	ACETONE	
G81DAA	MW-81	8/11/1999	PROFILE	30.00	35.00	1.50	6.50	OC21V	CHLOROFORM	
G81DBA	MW-81	8/11/1999	PROFILE	40.00	45.00	11.50	16.50	OC21V	CHLOROFORM	
G81DCA	MW-81	8/12/1999	PROFILE	50.00	55.00	21.50	26.50	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 2
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 7/25/99-8/14/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G81DDA	MW-81	8/12/1999	PROFILE	60.00	65.00	31.50	36.50	OC21V	CHLOROFORM	
G81DEA	MW-81	8/12/1999	PROFILE	70.00	75.00	41.50	46.50	OC21V	CHLOROFORM	
G81DFA	MW-81	8/12/1999	PROFILE	80.00	85.00	51.50	56.50	OC21V	CHLOROFORM	
G81DGA	MW-81	8/12/1999	PROFILE	90.00	95.00	61.50	66.50	OC21V	CHLOROFORM	
G81DHA	MW-81	8/12/1999	PROFILE	100.00	105.00	71.50	76.50	OC21V	CHLOROFORM	
G81DIA	MW-81	8/12/1999	PROFILE	110.00	115.00	81.50	86.50	OC21V	CARBON DISULFIDE	
G81DIA	MW-81	8/12/1999	PROFILE	110.00	115.00	81.50	86.50	OC21V	TOLUENE	
G81DJA	MW-81	8/12/1999	PROFILE	120.00	125.00	91.50	96.50	OC21V	ACETONE	
G81DJA	MW-81	8/12/1999	PROFILE	120.00	125.00	91.50	96.50	OC21V	CHLOROFORM	
G81DKA	MW-81	8/12/1999	PROFILE	130.00	135.00	101.50	106.50	OC21V	CHLOROFORM	
G81DKA	MW-81	8/12/1999	PROFILE	130.00	135.00	101.50	106.50	OC21V	TOLUENE	
G81DLA	MW-81	8/13/1999	PROFILE	140.00	145.00	111.50	116.50	OC21V	CHLOROFORM	
G81DLA	MW-81	8/13/1999	PROFILE	140.00	145.00	111.50	116.50	OC21V	TOLUENE	
G81DMA	MW-81	8/13/1999	PROFILE	150.00	155.00	121.50	126.50	OC21V	ACETONE	
G81DMA	MW-81	8/13/1999	PROFILE	150.00	155.00	121.50	126.50	OC21V	CHLOROFORM	
G81DMA	MW-81	8/13/1999	PROFILE	150.00	155.00	121.50	126.50	OC21V	TOLUENE	
G81DNA	MW-81	8/13/1999	PROFILE	160.00	165.00	131.50	136.50	OC21V	CHLOROFORM	
G81DNA	MW-81	8/13/1999	PROFILE	160.00	165.00	131.50	136.50	OC21V	TOLUENE	
G81DOA	MW-81	8/13/1999	PROFILE	170.00	175.00	141.50	146.50	OC21V	CHLOROFORM	
G81DOA	MW-81	8/13/1999	PROFILE	170.00	175.00	141.50	146.50	OC21V	TOLUENE	

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