WEEKLY PROGRESS UPDATE
FOR AUGUST 16-AUGUST 20, 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 16 to August 20, 1999.

1. SUMMARY OF ACTIONS TAKEN

Drilling was completed on MW-81 (Bourne water supply far field monitoring well) and achieved a total depth of 243 feet below ground surface (bgs). Monitoring wells were completed at depths of 25' to 35' bgs and 83' to 93' bgs at this location. Drilling commenced on MW-82 and MW-83 (Bourne water supply far field monitoring wells), which achieved total depths of 135 and 175 feet bgs respectively at the end of the week. Samples collected during the reporting period are summarized in Table 1. A drinking water sample was collected from the USCG Antenna Station supply well. Groundwater sampling commenced on round 2 of the Phase IIa monitoring wells. Groundwater profile samples were collected from MW-81, MW-82, and MW-83.

The Guard, EPA, and MADEP had a meeting on August 19 to discuss technical issues, including the following:

- JPO gave a summary of the long range water supply status which consists of: Corp of Engineers has been contracted to locate a 3 million gallon per day water supply; Jacobs is currently building a model to assist in locating the water supply; by the end of September they should have an idea of good vs. bad locations, by October they should have the sites selected, pump test in November, and a report by the end of November; and the J well is still part of the plan with legislation ongoing to obtain a small piece of land to conform with state law.
- A handout was provided summarizing the J well information. The Guard proposes to install a far field well upgradient of the J well where the ZOC is back on the base (Greenway Road Bypass) and to use the existing IRP well 12MW0102 to monitor the groundwater quality near the supply well. EPA wants to review the handout, and requested a vertical cross-section of the J Well ZOC.
- A handout was provided summarizing the reconnaissance of 16 locations identified in the Archive Search Report. Still need to recon the bunkers, mortar targets, and buildings. Ogden will continue with this task next week. EPA asked that the buildings include the Quonset huts used for tear gas training.
- A review of the Phase IIa requirements was given. Work plan for the soil investigation at MW-59 has been completed. Waiting for the results of the ground water sampling at MW-40 and MW-44 before starting those plans. Development of MW-40 and MW-44 is scheduled to start next week. EPA asked about the status of adding detail to the sampling plan for MW-59. Ogden will complete the requested figure by next week. EPA asked about the status of the J range sampling plan. The Guard is awaiting comments from EPA on the Textron cleanup SOW, in order to send Textron a request for data. The Guard would like to receive this data before completing this plan. The Guard and EPA legal groups need to have a discussion regarding this plan, and whether the J-2 Range plan is provided separately. EPA asked about the status of the J-3 wetland investigation. Results of the soil and sediment sampling are part of the 99-4 Tech Memo, which will be ready for Guard review next week. EPA asked the Guard to check if small arms ranges described in Section G of the Phase IIa workplan are included in the Phase IIb workplan or supplement. EPA asked about the status of the RDX Response Plan. Guard stated that it would be ready for EPA review next week.

- The current status of the investigation was discussed. Currently drilling on MW-82 and MW-83, which will not be advanced to bedrock. MW-84 will be completed to bedrock. The original 5 far field Group 2 clusters are scheduled for completion in mid-September, other far field wells will likely continue after that but need to be discussed with respect to NON (8/31 meeting). UXO issues at the steel sided pit have put the clearance on hold and the UXO clearance has started on the U Range well and Gun and Mortar Wells. The Guard will write a letter requesting a schedule extension for the pit. The U Range and Gun/Mortar wells are being positioned as indicated in the final Phase IIa workplan and the draft Gun/Mortar FSP. EPA has no changes on well locations.
- EPA requested vertical cross-sections for particle tracks in the RDX Response Plan.
- EPA requested the status of the Mortar Target FSP. The Guard stated that the reconnaissance would finish next week, discuss next tech meeting, and a plan out in early to mid September.
- EPA requested the status of the Supplement to the Phase IIb Workplan. Ogden stated that it would try to complete the client draft and forward to the Guard next week for review.
- The agenda for the next IART meeting was discussed and is as follows: NON (EPA), Guard response, Transfer of Ranges to DEM, IART grant update, LRWS modeling update (Jacobs), Investigation update (Ogden), J Well update (?), Arnold Road and Raccoon Lane update (JPO), UXO detonation (MAARNG), CDC update (JPO), and Archive Search Report comments (EPA).
- Tetra Tech updated on munition survey which included a field recon (with EPA and MADEP) of all active and some historic gun and mortar positions, and six water bodies. EPA indicated they have a preliminary list of 16 positions that are the priority for surveys, but need further internal discussion.

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:

- One field Quality Control (QC) sample from groundwater profiling at boring MW-81 had acetone and MEK detected.

- Ground water samples from MW-34M1, MW-34M2, MW-38M3, and MW-38M4 had detections of RDX. The ground water sample from MW-39M2 had a detection of HMX. These detections were confirmed with the PDA spectra.

- Profile samples from MW-81 had chloroform detections from 5 intervals, nitrotoluene in 1 interval, and nitroglycerin in 1 interval. Neither explosive detection was confirmed using the PDA spectra.

- Profile samples from MW-82 had detections of acetone (8 intervals), chloroform (8 intervals), toluene (8 intervals), MEK (5 intervals), 2 hexanone (2 intervals), nitrotoluene (2 intervals) and nitroglycerin (2 intervals). None of the explosive detections were confirmed using the PDA spectra.

- Profile samples from MW-83 had detections of chloroform (7 intervals), toluene (8 intervals), acetone (2 intervals), and MEK (1 interval).

3. DELIVERABLES SUBMITTED

There were no deliverables submitted during the reporting period.

4. SCHEDULED ACTIONS

Scheduled actions for the week of August 23 include completion of drilling at MW-82 and MW-83; commence drilling of MW-62 (U Range Well), MW-84 (Bourne water supply far field monitoring well), and MW-81b (Bourne water supply far field monitoring well); development of wells MW-37, MW-40, and MW-44; and continued ground water sampling of round two of the Phase IIa monitoring wells.

TABLE 1
SAMPLING PROGRESS
8/15-8/21

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G81DSE	FIELDQC	8/16/1999	FIELDQC	0.00	0.00		
G81DVE	FIELDQC	8/17/1999	FIELDQC	0.00	0.00		
G81DVT	FIELDQC	8/17/1999	FIELDQC	0.00	0.00		
G82DDE	FIELDQC	8/18/1999	FIELDQC	0.00	0.00		
G82DJE	FIELDQC	8/19/1999	FIELDQC	0.00	0.00		
G83DAE	FIELDQC	8/18/1999	FIELDQC	0.00	0.00		
G83DIT	FIELDQC	8/19/1999	FIELDQC	0.00	0.00		
G83DLE	FIELDQC	8/20/1999	FIELDQC	0.00	0.00		
G83DLT	FIELDQC	8/20/1999	FIELDQC	0.00	0.00		
W34M1T	FIELDQC	8/16/1999	FIELDQC	0.00	0.00		
W38SST	FIELDQC	8/18/1999	FIELDQC	0.00	0.00		
USCGANTST	USCGANTST	8/17/1999	GROUNDWATER				
W34M1A	MW-34	8/16/1999	GROUNDWATER			75.00	85.00
W34M2A	MW-34	8/16/1999	GROUNDWATER			55.00	65.00
W34M3A	MW-34	8/16/1999	GROUNDWATER			34.00	44.00
W35M1A	MW-35	8/20/1999	GROUNDWATER			69.00	79.00
W35M2A	MW-35	8/19/1999	GROUNDWATER			14.00	24.00
W35SSA	MW-35	8/19/1999	GROUNDWATER			0.00	10.00
W35SSD	MW-35	8/19/1999	GROUNDWATER			0.00	10.00
W36M1A	MW-36	8/17/1999	GROUNDWATER			79.00	89.00
W36M2A	MW-36	8/17/1999	GROUNDWATER			59.00	69.00
W36SSA	MW-36	8/17/1999	GROUNDWATER			0.00	10.00
W38DDA	MW-38	8/17/1999	GROUNDWATER			125.00	135.00
W38M1A	MW-38	8/17/1999	GROUNDWATER			100.00	110.00
W38M2A	MW-38	8/19/1999	GROUNDWATER			70.00	80.00
W38M2D	MW-38	8/19/1999	GROUNDWATER			70.00	80.00
W38M3A	MW-38	8/18/1999	GROUNDWATER			53.00	63.00
W38M4A	MW-38	8/18/1999	GROUNDWATER			15.00	25.00
W38SSA	MW-38	8/18/1999	GROUNDWATER			0.00	10.00
W39M1A	MW-39	8/18/1999	GROUNDWATER			87.00	97.00
W39M2A	MW-39	8/18/1999	GROUNDWATER			42.00	52.00
W39SSA	MW-39	8/18/1999	GROUNDWATER			0.00	10.00
W41M1A	MW-41	8/19/1999	GROUNDWATER			110.00	120.00
W41M2A	MW-41	8/20/1999	GROUNDWATER			69.00	79.00
W42M1A	MW-42	8/20/1999	GROUNDWATER			139.00	149.00
DW8116	GAC WATER	8/16/1999	IDW	0.00	0.00		
DW8319	GAC WATER	8/19/1999	IDW	0.00	0.00		
G81DPA	MW-81	8/16/1999	PROFILE	180.00	185.00	151.50	156.50
G81DQA	MW-81	8/16/1999	PROFILE	190.00	195.00	161.50	166.50
G81DRA	MW-81	8/16/1999	PROFILE	200.00	205.00	171.50	176.50
G81DSA	MW-81	8/16/1999	PROFILE	210.00	215.00	181.50	186.50
G81DTA	MW-81	8/16/1999	PROFILE	220.00	225.00	191.50	196.50
G81DUA	MW-81	8/16/1999	PROFILE	230.00	235.00	201.50	206.50
G81DVA	MW-81	8/17/1999	PROFILE	240.00	245.00	211.50	216.50
G82DAA	MW-82	8/17/1999	PROFILE	32.00	32.00	2.90	2.90
G82DBA	MW-82	8/17/1999	PROFILE	40.00	45.00	10.90	15.90
G82DCA	MW-82	8/17/1999	PROFILE	50.00	55.00	20.90	25.90
G82DCD	MW-82	8/17/1999	PROFILE	50.00	55.00	20.90	25.90

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 1
SAMPLING PROGRESS
8/15-8/21

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G82DDA	MW-82	8/18/1999	PROFILE	60.00	65.00	30.90	35.90
G82DEA	MW-82	8/18/1999	PROFILE	70.00	75.00	40.90	45.90
G82DFA	MW-82	8/18/1999	PROFILE	80.00	85.00	50.90	55.90
G82DGA	MW-82	8/18/1999	PROFILE	90.00	95.00	60.90	65.90
G82DHA	MW-82	8/18/1999	PROFILE	100.00	105.00	70.90	75.90
G82DIA	MW-82	8/18/1999	PROFILE	110.00	115.00	80.90	85.90
G82DJA	MW-82	8/19/1999	PROFILE	120.00	125.00	90.90	95.90
G82DKA	MW-82	8/20/1999	PROFILE	130.00	135.00	100.90	105.90
G83DAA	MW-83	8/18/1999	PROFILE	37.00	42.00	0.00	5.00
G83DBA	MW-83	8/18/1999	PROFILE	50.00	55.00	13.00	18.00
G83DCA	MW-83	8/19/1999	PROFILE	60.00	65.00	23.00	28.00
G83DDA	MW-83	8/19/1999	PROFILE	70.00	75.00	33.00	38.00
G83DEA	MW-83	8/19/1999	PROFILE	80.00	85.00	43.00	48.00
G83DED	MW-83	8/19/1999	PROFILE	80.00	85.00	43.00	48.00
G83DFA	MW-83	8/19/1999	PROFILE	90.00	95.00	53.00	58.00
G83DGA	MW-83	8/19/1999	PROFILE	100.00	105.00	63.00	68.00
G83DHA	MW-83	8/19/1999	PROFILE	110.00	115.00	73.00	78.00
G83DIA	MW-83	8/19/1999	PROFILE	120.00	125.00	83.00	88.00
G83DJA	MW-83	8/19/1999	PROFILE	130.00	135.00	93.00	98.00
G83DKA	MW-83	8/19/1999	PROFILE	140.00	145.00	103.00	108.00
G83DLA	MW-83	8/20/1999	PROFILE	150.00	155.00	113.00	118.00
G83DMA	MW-83	8/20/1999	PROFILE	160.00	165.00	123.00	128.00
G83DNA	MW-83	8/20/1999	PROFILE	170.00	175.00	133.00	138.00

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
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 8/1/99-8/21/99

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	
G81DSE	FIELDQC	8/16/1999	FIELDQC	0.00	0.00			OC21V	ACETONE	
G81DSE	FIELDQC	8/16/1999	FIELDQC	0.00	0.00			OC21V	METHYL ETHYL KETONE (2-BUT	
HD105MMTRMW37E	FIELDQC	8/6/1999	FIELDQC	0.00	0.00			8330N	NITROGLYCERIN	
W34M1A	MW-34	8/16/1999	GROUNDWATER			75.00	85.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W34M2A	MW-34	8/16/1999	GROUNDWATER			55.00	65.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W38M3A	MW-38	8/18/1999	GROUNDWATER			53.00	63.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W38M4A	MW-38	8/18/1999	GROUNDWATER			15.00	25.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W39M2A	MW-39	8/18/1999	GROUNDWATER			42.00	52.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
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	

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 8/1/99-8/21/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
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	
G61MKA	MW-61	8/2/1999	PROFILE	200.00	200.00	100.20	100.20	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	
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	

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
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	
G81DPA	MW-81	8/16/1999	PROFILE	180.00	185.00	151.50	156.50	OC21V	CHLOROFORM	
G81DQA	MW-81	8/16/1999	PROFILE	190.00	195.00	161.50	166.50	OC21V	CHLOROFORM	
G81DRA	MW-81	8/16/1999	PROFILE	200.00	205.00	171.50	176.50	OC21V	CHLOROFORM	
G81DSA	MW-81	8/16/1999	PROFILE	210.00	215.00	181.50	186.50	OC21V	CHLOROFORM	
G81DTA	MW-81	8/16/1999	PROFILE	220.00	225.00	191.50	196.50	OC21V	CHLOROFORM	
G81DUA	MW-81	8/16/1999	PROFILE	230.00	235.00	201.50	206.50	8330N	3-NITROTOLUENE	NO
G81DUA	MW-81	8/16/1999	PROFILE	230.00	235.00	201.50	206.50	8330N	NITROGLYCERIN	NO
G82DAA	MW-82	8/17/1999	PROFILE	32.00	32.00	2.90	2.90	8330N	3-NITROTOLUENE	NO
G82DAA	MW-82	8/17/1999	PROFILE	32.00	32.00	2.90	2.90	8330N	NITROGLYCERIN	NO
G82DAA	MW-82	8/17/1999	PROFILE	32.00	32.00	2.90	2.90	OC21V	2-HEXANONE	
G82DAA	MW-82	8/17/1999	PROFILE	32.00	32.00	2.90	2.90	OC21V	ACETONE	
G82DAA	MW-82	8/17/1999	PROFILE	32.00	32.00	2.90	2.90	OC21V	CHLOROFORM	
G82DAA	MW-82	8/17/1999	PROFILE	32.00	32.00	2.90	2.90	OC21V	METHYL ETHYL KETONE (2-BUT/	
G82DAA	MW-82	8/17/1999	PROFILE	32.00	32.00	2.90	2.90	OC21V	TOLUENE	
G82DBA	MW-82	8/17/1999	PROFILE	40.00	45.00	10.90	15.90	8330N	3-NITROTOLUENE	NO
G82DBA	MW-82	8/17/1999	PROFILE	40.00	45.00	10.90	15.90	8330N	NITROGLYCERIN	NO
G82DBA	MW-82	8/17/1999	PROFILE	40.00	45.00	10.90	15.90	OC21V	2-HEXANONE	
G82DBA	MW-82	8/17/1999	PROFILE	40.00	45.00	10.90	15.90	OC21V	ACETONE	
G82DBA	MW-82	8/17/1999	PROFILE	40.00	45.00	10.90	15.90	OC21V	CHLOROFORM	
G82DBA	MW-82	8/17/1999	PROFILE	40.00	45.00	10.90	15.90	OC21V	METHYL ETHYL KETONE (2-BUT/	
G82DBA	MW-82	8/17/1999	PROFILE	40.00	45.00	10.90	15.90	OC21V	TOLUENE	
G82DCA	MW-82	8/17/1999	PROFILE	50.00	55.00	20.90	25.90	OC21V	ACETONE	
G82DCA	MW-82	8/17/1999	PROFILE	50.00	55.00	20.90	25.90	OC21V	CHLOROFORM	
G82DCA	MW-82	8/17/1999	PROFILE	50.00	55.00	20.90	25.90	OC21V	METHYL ETHYL KETONE (2-BUT/	
G82DCA	MW-82	8/17/1999	PROFILE	50.00	55.00	20.90	25.90	OC21V	TOLUENE	
G82DDA	MW-82	8/18/1999	PROFILE	60.00	65.00	30.90	35.90	OC21V	ACETONE	
G82DDA	MW-82	8/18/1999	PROFILE	60.00	65.00	30.90	35.90	OC21V	CHLOROFORM	
G82DDA	MW-82	8/18/1999	PROFILE	60.00	65.00	30.90	35.90	OC21V	TOLUENE	
G82DEA	MW-82	8/18/1999	PROFILE	70.00	75.00	40.90	45.90	OC21V	ACETONE	
G82DEA	MW-82	8/18/1999	PROFILE	70.00	75.00	40.90	45.90	OC21V	CHLOROFORM	

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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 8/1/99-8/21/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G82DEA	MW-82	8/18/1999	PROFILE	70.00	75.00	40.90	45.90	OC21V	METHYL ETHYL KETONE (2-BUT/	
G82DEA	MW-82	8/18/1999	PROFILE	70.00	75.00	40.90	45.90	OC21V	TOLUENE	
G82DFA	MW-82	8/18/1999	PROFILE	80.00	85.00	50.90	55.90	OC21V	ACETONE	
G82DFA	MW-82	8/18/1999	PROFILE	80.00	85.00	50.90	55.90	OC21V	CHLOROFORM	
G82DFA	MW-82	8/18/1999	PROFILE	80.00	85.00	50.90	55.90	OC21V	TOLUENE	
G82DGA	MW-82	8/18/1999	PROFILE	90.00	95.00	60.90	65.90	OC21V	ACETONE	
G82DGA	MW-82	8/18/1999	PROFILE	90.00	95.00	60.90	65.90	OC21V	CHLOROFORM	
G82DGA	MW-82	8/18/1999	PROFILE	90.00	95.00	60.90	65.90	OC21V	METHYL ETHYL KETONE (2-BUT/	
G82DGA	MW-82	8/18/1999	PROFILE	90.00	95.00	60.90	65.90	OC21V	TOLUENE	
G82DHA	MW-82	8/18/1999	PROFILE	100.00	105.00	70.90	75.90	OC21V	ACETONE	
G82DHA	MW-82	8/18/1999	PROFILE	100.00	105.00	70.90	75.90	OC21V	CHLOROFORM	
G82DHA	MW-82	8/18/1999	PROFILE	100.00	105.00	70.90	75.90	OC21V	TOLUENE	
G83DAA	MW-83	8/18/1999	PROFILE	37.00	42.00	0.00	5.00	OC21V	ACETONE	
G83DAA	MW-83	8/18/1999	PROFILE	37.00	42.00	0.00	5.00	OC21V	CHLOROFORM	
G83DAA	MW-83	8/18/1999	PROFILE	37.00	42.00	0.00	5.00	OC21V	METHYL ETHYL KETONE (2-BUT/	
G83DAA	MW-83	8/18/1999	PROFILE	37.00	42.00	0.00	5.00	OC21V	TOLUENE	
G83DBA	MW-83	8/18/1999	PROFILE	50.00	55.00	13.00	18.00	OC21V	ACETONE	
G83DBA	MW-83	8/18/1999	PROFILE	50.00	55.00	13.00	18.00	OC21V	CHLOROFORM	
G83DBA	MW-83	8/18/1999	PROFILE	50.00	55.00	13.00	18.00	OC21V	TOLUENE	
G83DCA	MW-83	8/19/1999	PROFILE	60.00	65.00	23.00	28.00	OC21V	CHLOROFORM	
G83DCA	MW-83	8/19/1999	PROFILE	60.00	65.00	23.00	28.00	OC21V	TOLUENE	
G83DDA	MW-83	8/19/1999	PROFILE	70.00	75.00	33.00	38.00	OC21V	CHLOROFORM	
G83DDA	MW-83	8/19/1999	PROFILE	70.00	75.00	33.00	38.00	OC21V	TOLUENE	
G83DEA	MW-83	8/19/1999	PROFILE	80.00	85.00	43.00	48.00	OC21V	CHLOROFORM	
G83DEA	MW-83	8/19/1999	PROFILE	80.00	85.00	43.00	48.00	OC21V	TOLUENE	
G83DFA	MW-83	8/19/1999	PROFILE	90.00	95.00	53.00	58.00	OC21V	CHLOROFORM	
G83DFA	MW-83	8/19/1999	PROFILE	90.00	95.00	53.00	58.00	OC21V	TOLUENE	
G83DGA	MW-83	8/19/1999	PROFILE	100.00	105.00	63.00	68.00	OC21V	CHLOROFORM	
G83DGA	MW-83	8/19/1999	PROFILE	100.00	105.00	63.00	68.00	OC21V	TOLUENE	
G83DHA	MW-83	8/19/1999	PROFILE	110.00	115.00	73.00	78.00	OC21V	TOLUENE	

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