

**WEEKLY PROGRESS UPDATE
FOR SEPTEMBER 6-SEPTEMBER 10, 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 6 to September 10, 1999.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of September 10 is summarized in Table 1.

Table 1. Drilling progress as of September 10, 1999				
Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-64	Gun and Mortar well (GP-6)	245	153	87-97 100-105 129-139
MW-82b	Bourne far field well (2 nd boring)	135	105	54-64 104-114 125-135
MW-66	Gun and Mortar well (GP-16)	275	146	
MW-84b	Bourne far field well (2 nd boring)	125	86	
MW-68	Gun and Mortar well (MP-1)	245	157	
bgs = below ground surface bwt = below water table				

Samples collected during the reporting period are summarized in Table 2. Groundwater sampling continued for round 3 of the Phase I monitoring wells. Groundwater profile samples were collected from MW-64, MW-66, and MW-68; locations and drilling status for these wells are indicated in Table 1.

The Guard, EPA, and MADEP had a meeting on September 9 to discuss technical issues, including the following:

- Selection of screen depths for MW-84. The remaining profile data were faxed on 9/8. EPA, DEP, and the Guard agreed to set the remaining two screens at 100' to 110' bwt and 150' to 160' bwt. EPA requested that the Bourne far field well cross section be updated.
- Selection of screen depths for MW-64 (GP-6). The profile data were not available for the meeting but at a meeting/conference at 3:00, the EPA, DEP, and the Guard agreed to set three screens instead of the two screens in the workplan. It was agreed to set the screens at -5' to 5' bwt, 8' to 13' bwt, and 37' to 47' bwt.
- The status of the far field well proposal for the J well and the Sandwich wells was discussed. EPA requested that the USGS re-run the vertical ZOCs for each of the five Sandwich supply wells east of MMR individually to determine which of the ZOC is deepest and extends furthest on to the base. EPA also requested that the pumping rates used in the model are correct. EPA indicated that they may ask for a second far field well cluster south of the "SFF-1" proposed location, in the off-Post

area. There was a discussion of the 102nd FW letter of August 18 on the J Well. EPA asked why the southern locations for the J Well far field wells are not being considered. The Guard stated that access issues and travel times have made these locations undesirable and that the northern location proposed will be sufficient to monitor training area activities. The EPA stated that IRP monitoring well 102 is not satisfactory because it does not meet the criteria of a far field well. EPA indicated that they may ask for a location in the off-Post area somewhat north of the southern MMR boundary. There was a discussion of the objectives for the far field well at the J Well, which differs from other wells in that it has a treatment system in place.

- The status of the field work was discussed. Ogden indicated that one sonic rig was finishing MW-84 and that two barber rigs and one sonic rig are continuing on gun and mortar wells. After these are completed the next scheduled drilling is the additional far field wells and the Demo 1 wells. EPA asked if the sub-regional model was going to be used before we start the Demo 1 wells. Ogden indicated that the USGS was currently working on the sub-regional model. Groundwater sampling has been completed for round 2 of the new wells, and is starting for round 3 of the old wells.
- Responses to comments on the Guard's NON response letter were discussed. The Guard indicated it will answer EPA's verbal questions of 9/2 by 9/13, except for the lab capacity issue which will be answered by about 9/15. There was discussion of schedule status and changes since the Guard's letter of 8/24. The following items from that letter were discussed:

Alleged Violations

10. Assessment of Site Features - EPA requested that the remaining locations off Pew Road be discussed at next weeks technical meeting.

16. Prepare final FSP - Date is OK assuming two weeks for EPA review time.

Future Deadlines

1. and 2. Sample IRP Wells Round 2 and 3 - Guard believes that only one round was required but they would sample a select group of wells for additional rounds. EPA stated that they assumed all wells were getting three rounds of sampling and would need more information before they could make a decision.

3. Sample Phase I Well Round 3 - Guard stated that this work has started but is unlikely to be completed by the 9/29 date. EPA did not agree to the 10/29 date and requested that the Guard re-evaluate and propose a new date.

4. Sample/analyze G1 FF Wells Round 3 - Guard and EPA agreed to revise the proposed completion date for round 3 because round 2 was completed prior to the scheduled date. Three months will be proposed between rounds.

5., 6., and 7. Sample/analyze G2 FF Wells Round 1, 2, and 3 - EPA requested clarification on what wells were in Priority Group 2. Ogden indicated that MW-63, and MW-80 through MW-83 are the G2 FF Wells referenced in the schedule. EPA and Guard agreed with the date of Round 1 but changed round 2 to 1/15/00 and round 3 to 4/15/00.

11., 12., and 13. Guard indicated that UXO issues are continuing to delay these tasks. EPA asked why one task must be completed before the next can start. Ogden indicated that the UXO must be disposed of before any work can begin. The road building must be completed prior to any of the drilling because the detonation of the UXO will produce craters in the road. Down hole UXO

clearance must be completed prior to well drilling. Down hole clearance and soil sampling will occur at the same time. Soil sampling and well drilling can not be performed at the same time due to the limited space on the drilling pad. Guard has submitted a letter dated 9/9/99 with proposed extension.

15. Begin training area investigations - There was a discussion of whether the proposed date is realistic and what would constitute "beginning" the investigation. The Guard will reevaluate this date in light of scoping and mobilization requirements.

18. Soil sampling/analysis at gun and mortar positions - Guard believes that an extension is required in order not to overload the laboratory. Ogden is currently working on preparing justification for this request, and will combine info on capacity provided by lab with schedule for known analyses.

19. and 20. Install and sample/analyze Gun and Mortar Position Wells - Work has started on drilling these wells. EPA asked the Guard to review these tasks and revise the completion date.

21. and 22. Begin trenches and mortar target investigations - Same issue as 15 above... EPA requested the Guard revise this date because they don't believe scoping is the "beginning" of the investigation.

- Action Items from IART Meeting of 7/19/99 were discussed.

Ogden indicated that the investigation update for Raccoon Lane is not in the slide show. EPA requested that Ogden go over the results even if it is not in the slide show. The Guard needs to get the survey coordinates and elevations of the J-3 wetland drive points from IRP, in order to complete particle tracks for the J-3 Wetland Report (TM 99-4).

Ogden indicated that the request to change the progress reports to contain only validated data need to be discussed with IART personnel.

Ogden indicated that the request to have IRP detections included was not done. Need clarification on the request was for all data or just explosives. This change will be completed for next month.

EPA convened a meeting of the Impact Area Review Team on September 9, 1999. The next IART meeting is scheduled for October 28, 1999.

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:

- Field quality control samples from MW-64 and MW-66 profile samples had nitroglycerin detected in one interval, but neither detection was confirmed using the PDA spectra.

- The groundwater sample from MW-1S and MW-59S had RDX and HMX detected and confirmed with the PDA spectra. These detections were also observed during the previous round of sampling.
- The groundwater samples from MW-1M2, MW-2M2, and MW-43M2 had a detection of RDX that were confirmed with PDA spectra. These detections were also observed during the previous round of sampling.
- The groundwater sample from MW-45S had detections of 3-nitrotoluene, 4-nitrotoluene, nitroglycerin, PETN, and picric acid. None of these explosive detections were confirmed with the PDA spectra.
- Profile results from MW-62 (U Range well) had detections of 2-nitrotoluene, 3-nitrotoluene, PETN, and nitroglycerin in one interval. Picric acid was detected in 2 intervals. None of the explosives detected were confirmed by PDA spectra.
- Profile results from MW-64 had a chloroform detection in one interval.
- Profile results from MW-66 had detections of acetone (14 intervals), chloroform (12 intervals), MEK (10 intervals), picric acid (15 intervals), nitroglycerin (13 intervals), 3-nitrotoluene (13 intervals), 4-nitrotoluene (7 intervals), 2,6-dinitrotoluene (4 intervals), PETN (4 intervals), 2-amino-4,6-dinitrotoluene (1 interval), 4-amino-2,6-dinitrotoluene (1 interval), and nitrobenzene (1 interval). Only the 2,6-dinitrotoluene detections were confirmed with the PDA spectra.
- Profile results from MW-68 had detections of acetone (17 intervals), MEK (16 intervals), chloroform (8 intervals), 2-hexanone (2 intervals), chloroethane (1 interval), picric acid (15 intervals), PETN (15 intervals), 4-nitrotoluene (9 intervals), 3-nitrotoluene (8 intervals), 2-nitrotoluene (5 intervals), nitroglycerin (4 intervals), and 2,4-dinitrotoluene (1 interval). None of the explosives detected were confirmed with the PDA spectra.

3. DELIVERABLES SUBMITTED

Weekly Progress Report (8/23 – 8/27)	9/10/99
Monthly Progress Report No. 29 (August 1999)	9/10/99

4. SCHEDULED ACTIONS

Scheduled actions for the week of September 13 include completion of drilling at MW-84b (Bourne far field well), MW-68 (MP-1), and MW-66 (GP-16 well); commence drilling of MW-65 (GP-14 well) and MW-69 (MP-3); development of newly installed wells; groundwater sampling of Snake Pond drive points DP-2S and DP-2D; and continued ground water sampling of round 3 of the Phase I monitoring wells.

TABLE 2
 SAMPLING PROGRESS
 9/6-9/10

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G64DME	FIELDQC	9/7/1999	FIELDQC	0.00	0.00		
G64DMT	FIELDQC	9/7/1999	FIELDQC	0.00	0.00		
G66DAE	FIELDQC	9/7/1999	FIELDQC	0.00	0.00		
G66DHE	FIELDQC	9/9/1999	FIELDQC	0.00	0.00		
G66DHT	FIELDQC	9/9/1999	FIELDQC	0.00	0.00		
G66DNE	FIELDQC	9/10/1999	FIELDQC	0.00	0.00		
G66DNT	FIELDQC	9/10/1999	FIELDQC	0.00	0.00		
G68DAE	FIELDQC	9/7/1999	FIELDQC	0.00	0.00		
G68DCE	FIELDQC	9/8/1999	FIELDQC	0.00	0.00		
G68DCT	FIELDQC	9/8/1999	FIELDQC	0.00	0.00		
ECMWSNP03D	ECMWSNP03D	9/10/1999	GROUNDWATER			79.90	84.90
ECMWSNP03S	ECMWSNP03S	9/10/1999	GROUNDWATER			40.00	45.00
W01DDA	MW-1	9/7/1999	GROUNDWATER			174.00	184.00
W01M1A	MW-1	9/8/1999	GROUNDWATER			60.00	65.00
W01M2A	MW-1	9/7/1999	GROUNDWATER			40.00	45.00
W01SSA	MW-1	9/7/1999	GROUNDWATER			0.00	10.00
W03M2A	MW-3	9/7/1999	GROUNDWATER			136.00	141.00
W05M1A	MW-5	9/7/1999	GROUNDWATER			55.00	60.00
W05M2A	MW-5	9/7/1999	GROUNDWATER			95.00	100.00
W06SSA	MW-6	9/8/1999	GROUNDWATER			0.00	10.00
W07DDA	MW-7	9/8/1999	GROUNDWATER			227.00	337.00
W07M1A	MW-7	9/7/1999	GROUNDWATER			67.00	72.00
W07M1D	MW-7	9/7/1999	GROUNDWATER			67.00	72.00
W07M1X	MW-7	9/7/1999	GROUNDWATER			67.00	72.00
W07M2A	MW-7	9/8/1999	GROUNDWATER			137.00	142.00
W07SSA	MW-7	9/9/1999	GROUNDWATER			0.00	10.00
W08SSA	MW-8	9/7/1999	GROUNDWATER			0.00	10.00
W09SSA	MW-9	9/8/1999	GROUNDWATER			0.00	10.00
W09SSD	MW-9	9/8/1999	GROUNDWATER			0.00	10.00
W12SSA	MW-12	9/9/1999	GROUNDWATER			0.00	10.00
W13DDA	MW-13	9/9/1999	GROUNDWATER			140.00	145.00
W13SSA	MW-13	9/8/1999	GROUNDWATER			0.00	10.00
W13SSD	MW-13	9/8/1999	GROUNDWATER			0.00	10.00

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
 9/6-9/10

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W14SSA	MW-14	9/9/1999	GROUNDWATER			0.00	10.00
W15DDA	MW-15	9/10/1999	GROUNDWATER			217.00	227.00
W15SSA	MW-15	9/9/1999	GROUNDWATER			0.00	10.00
W16DDA	MW-16	9/9/1999	GROUNDWATER			222.00	227.00
W16SSA	MW-16	9/9/1999	GROUNDWATER			0.00	10.00
W18DDA	MW-18	9/10/1999	GROUNDWATER			223.00	233.00
W18M1A	MW-18	9/9/1999	GROUNDWATER			178.00	183.00
W18M2A	MW-18	9/9/1999	GROUNDWATER			170.00	175.00
W19SSA	MW-19	9/10/1999	GROUNDWATER			0.00	10.00
W20SSA	MW-20	9/10/1999	GROUNDWATER			0.00	10.00
DW6307	GAC WATER	9/7/1999	IDW	0.00	0.00		
DW6407	GAC WATER	9/7/1999	IDW	0.00	0.00		
DW6610	GAC WATER	9/10/1999	IDW	0.00	0.00		
G64DMA	MW-64	9/7/1999	PROFILE	210.00	215.00	118.24	123.24
G64DNA	MW-64	9/7/1999	PROFILE	220.00	225.00	128.24	133.24
G64DOA	MW-64	9/7/1999	PROFILE	230.00	235.00	138.24	143.24
G64DPA	MW-64	9/7/1999	PROFILE	240.00	245.00	148.24	153.24
G66DAA	MW-66	9/7/1999	PROFILE	135.00	135.00	6.00	6.00
G66DBA	MW-66	9/7/1999	PROFILE	145.00	145.00	16.00	16.00
G66DCA	MW-66	9/7/1999	PROFILE	155.00	155.00	26.00	26.00
G66DCD	MW-66	9/7/1999	PROFILE	155.00	155.00	26.00	26.00
G66DDA	MW-66	9/7/1999	PROFILE	165.00	165.00	36.00	36.00
G66DEA	MW-66	9/7/1999	PROFILE	175.00	175.00	46.00	46.00
G66DFA	MW-66	9/8/1999	PROFILE	185.00	185.00	56.00	56.00
G66DGA	MW-66	9/8/1999	PROFILE	195.00	195.00	66.00	66.00
G66DHA	MW-66	9/9/1999	PROFILE	205.00	205.00	76.00	76.00
G66DIA	MW-66	9/9/1999	PROFILE	215.00	215.00	86.00	86.00
G66DJA	MW-66	9/9/1999	PROFILE	225.00	225.00	96.00	96.00
G66DKA	MW-66	9/9/1999	PROFILE	235.00	235.00	106.00	106.00
G66DLA	MW-66	9/9/1999	PROFILE	245.00	245.00	116.00	116.00
G66DMA	MW-66	9/9/1999	PROFILE	255.00	255.00	126.00	126.00
G66DNA	MW-66	9/10/1999	PROFILE	265.00	265.00	136.00	136.00
G66DOA	MW-66	9/10/1999	PROFILE	275.00	275.00	146.00	146.00

Profiling methods include: Volatiles and Explosives

Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry

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TABLE 2
 SAMPLING PROGRESS
 9/6-9/10

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G68DAA	MW-68	9/7/1999	PROFILE	95.00	95.00	7.20	7.20
G68DBA	MW-68	9/7/1999	PROFILE	105.00	105.00	17.20	17.20
G68DCA	MW-68	9/8/1999	PROFILE	110.00	110.00	22.20	22.20
G68DDA	MW-68	9/8/1999	PROFILE	120.00	120.00	32.20	32.20
G68DEA	MW-68	9/8/1999	PROFILE	130.00	130.00	42.20	42.20
G68DED	MW-68	9/8/1999	PROFILE	130.00	130.00	42.20	42.20
G68DFA	MW-68	9/8/1999	PROFILE	140.00	140.00	52.20	52.20
G68DGA	MW-68	9/8/1999	PROFILE	150.00	150.00	62.20	62.20
G68DHA	MW-68	9/8/1999	PROFILE	160.00	160.00	72.20	72.20
G68DIA	MW-68	9/8/1999	PROFILE	170.00	170.00	82.20	82.20
G68DJA	MW-68	9/8/1999	PROFILE	180.00	180.00	92.20	92.20
G68DKA	MW-68	9/8/1999	PROFILE	190.00	190.00	102.20	102.20
G68DLA	MW-68	9/8/1999	PROFILE	200.00	200.00	112.20	112.20
G68DLD	MW-68	9/8/1999	PROFILE	200.00	200.00	112.20	112.20
G68DMA	MW-68	9/9/1999	PROFILE	210.00	210.00	122.20	122.20
G68DNA	MW-68	9/9/1999	PROFILE	220.00	220.00	132.20	132.20
G68DOA	MW-68	9/9/1999	PROFILE	230.00	230.00	142.20	142.20
G68DPA	MW-68	9/9/1999	PROFILE	240.00	240.00	152.20	152.20
G68DQA	MW-68	9/9/1999	PROFILE	245.00	245.00	157.20	157.20

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 8/23/99-9/10/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G64DME	FIELDQC	9/7/1999	FIELDQC	0.00	0.00			8330N	NITROGLYCERIN	NO
G66DAE	FIELDQC	9/7/1999	FIELDQC	0.00	0.00			8330N	NITROGLYCERIN	NO
G82DLE	FIELDQC	8/23/1999	FIELDQC	0.00	0.00			OC21V	ACETONE	
G82DLE	FIELDQC	8/23/1999	FIELDQC	0.00	0.00			OC21V	METHYL ETHYL KETONE (2-BUT,	
G84DME	FIELDQC	8/27/1999	FIELDQC	0.00	0.00			8330N	NITROGLYCERIN	NO
G84DME	FIELDQC	8/27/1999	FIELDQC	0.00	0.00			OC21V	ACETONE	
G84DME	FIELDQC	8/27/1999	FIELDQC	0.00	0.00			OC21V	METHYL ETHYL KETONE (2-BUT,	
W01M2A	MW-1	9/7/1999	GROUNDWATER			40.00	45.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W01SSA	MW-1	9/7/1999	GROUNDWATER			0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W01SSA	MW-1	9/7/1999	GROUNDWATER			0.00	10.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W02M2A	MW-2	9/3/1999	GROUNDWATER			31.00	36.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W43M2A	MW-43	8/23/1999	GROUNDWATER			70.00	80.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W45SSA	MW-45	8/23/1999	GROUNDWATER			0.00	10.00	8330N	3-NITROTOLUENE	NO
W45SSA	MW-45	8/23/1999	GROUNDWATER			0.00	10.00	8330N	4-NITROTOLUENE	NO
W45SSA	MW-45	8/23/1999	GROUNDWATER			0.00	10.00	8330N	NITROGLYCERIN	NO
W45SSA	MW-45	8/23/1999	GROUNDWATER			0.00	10.00	8330N	PENTAERYTHRITOL TETRANITR	NO
W45SSA	MW-45	8/23/1999	GROUNDWATER			0.00	10.00	8330N	PICRIC ACID	NO
W50M1A	MW-50	8/24/1999	GROUNDWATER			90.00	100.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W53DDA	MW-53	8/30/1999	GROUNDWATER			157.00	167.00	8330N	NITROGLYCERIN	NO
W59SSA	MW-59	9/1/1999	GROUNDWATER			0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W59SSA	MW-59	9/1/1999	GROUNDWATER			0.00	10.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
DW6307	GAC WATER	9/7/1999	IDW	0.00	0.00			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G62DAA	MW-62	8/30/1999	PROFILE	135.00	135.00	7.10	7.10	8330N	2-NITROTOLUENE	NO
G62DAA	MW-62	8/30/1999	PROFILE	135.00	135.00	7.10	7.10	8330N	3-NITROTOLUENE	NO
G62DAA	MW-62	8/30/1999	PROFILE	135.00	135.00	7.10	7.10	8330N	4-NITROTOLUENE	NO
G62DAA	MW-62	8/30/1999	PROFILE	135.00	135.00	7.10	7.10	8330N	NITROGLYCERIN	NO
G62DAA	MW-62	8/30/1999	PROFILE	135.00	135.00	7.10	7.10	8330N	PICRIC ACID	NO
G62DBA	MW-62	8/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	2,6-DINITROTOLUENE	NO
G62DBA	MW-62	8/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	2-NITROTOLUENE	NO
G62DBA	MW-62	8/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	3-NITROTOLUENE	NO
G62DBA	MW-62	8/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	4-NITROTOLUENE	NO
G62DBA	MW-62	8/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	NITROGLYCERIN	NO
G62DBA	MW-62	8/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	PENTAERYTHRITOL TETRANITR	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 8/23/99-9/10/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G62DBA	MW-62	8/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	PICRIC ACID	NO
G62DBD	MW-62	8/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	2,6-DINITROTOLUENE	NO
G62DBD	MW-62	8/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	2-NITROTOLUENE	NO
G62DBD	MW-62	8/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	3-NITROTOLUENE	NO
G62DBD	MW-62	8/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	4-NITROTOLUENE	NO
G62DBD	MW-62	8/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	NITROGLYCERIN	NO
G62DBD	MW-62	8/30/1999	PROFILE	140.00	140.00	12.10	12.10	8330N	PICRIC ACID	NO
G62DCA	MW-62	8/31/1999	PROFILE	150.00	150.00	22.10	22.10	8330N	1,3,5-TRINITROBENZENE	NO
G62DCA	MW-62	8/31/1999	PROFILE	150.00	150.00	22.10	22.10	8330N	1,3-DINITROBENZENE	NO
G62DCA	MW-62	8/31/1999	PROFILE	150.00	150.00	22.10	22.10	8330N	2-NITROTOLUENE	NO
G62DCA	MW-62	8/31/1999	PROFILE	150.00	150.00	22.10	22.10	8330N	3-NITROTOLUENE	NO
G62DCA	MW-62	8/31/1999	PROFILE	150.00	150.00	22.10	22.10	8330N	4-NITROTOLUENE	NO
G62DCA	MW-62	8/31/1999	PROFILE	150.00	150.00	22.10	22.10	8330N	NITROGLYCERIN	NO
G62DCA	MW-62	8/31/1999	PROFILE	150.00	150.00	22.10	22.10	8330N	PICRIC ACID	NO
G62DDA	MW-62	8/31/1999	PROFILE	160.00	160.00	32.10	32.10	8330N	2-NITROTOLUENE	NO
G62DDA	MW-62	8/31/1999	PROFILE	160.00	160.00	32.10	32.10	8330N	3-NITROTOLUENE	NO
G62DDA	MW-62	8/31/1999	PROFILE	160.00	160.00	32.10	32.10	8330N	4-NITROTOLUENE	NO
G62DDA	MW-62	8/31/1999	PROFILE	160.00	160.00	32.10	32.10	8330N	NITROGLYCERIN	NO
G62DDA	MW-62	8/31/1999	PROFILE	160.00	160.00	32.10	32.10	8330N	PICRIC ACID	NO
G62DEA	MW-62	8/31/1999	PROFILE	170.00	170.00	42.10	42.10	8330N	NITROGLYCERIN	NO
G62DEA	MW-62	8/31/1999	PROFILE	170.00	170.00	42.10	42.10	8330N	PICRIC ACID	NO
G62DFA	MW-62	8/31/1999	PROFILE	180.00	180.00	52.10	52.10	8330N	2-NITROTOLUENE	NO
G62DFA	MW-62	8/31/1999	PROFILE	180.00	180.00	52.10	52.10	8330N	3-NITROTOLUENE	NO
G62DFA	MW-62	8/31/1999	PROFILE	180.00	180.00	52.10	52.10	8330N	4-NITROTOLUENE	NO
G62DFA	MW-62	8/31/1999	PROFILE	180.00	180.00	52.10	52.10	8330N	NITROGLYCERIN	NO
G62DFA	MW-62	8/31/1999	PROFILE	180.00	180.00	52.10	52.10	8330N	PICRIC ACID	NO
G62DGA	MW-62	8/31/1999	PROFILE	190.00	190.00	62.10	62.10	8330N	2-NITROTOLUENE	NO
G62DGA	MW-62	8/31/1999	PROFILE	190.00	190.00	62.10	62.10	8330N	3-NITROTOLUENE	NO
G62DGA	MW-62	8/31/1999	PROFILE	190.00	190.00	62.10	62.10	8330N	PENTAERYTHRITOL TETRANITR	NO
G62DGA	MW-62	8/31/1999	PROFILE	190.00	190.00	62.10	62.10	8330N	PICRIC ACID	NO
G62DIA	MW-62	9/1/1999	PROFILE	210.00	210.00	82.10	82.10	8330N	PICRIC ACID	NO
G62DJA	MW-62	9/1/1999	PROFILE	220.00	220.00	92.10	92.10	8330N	NITROGLYCERIN	NO
G64DAA	MW-64	8/31/1999	PROFILE	92.00	95.00	0.24	3.24	8330N	3-NITROTOLUENE	NO

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 8/23/99-9/10/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G64DAA	MW-64	8/31/1999	PROFILE	92.00	95.00	0.24	3.24	8330N	NITROGLYCERIN	NO
G64DAA	MW-64	8/31/1999	PROFILE	92.00	95.00	0.24	3.24	8330N	PICRIC ACID	NO
G64DAA	MW-64	8/31/1999	PROFILE	92.00	95.00	0.24	3.24	OC21V	ACETONE	
G64DBA	MW-64	8/31/1999	PROFILE	100.00	105.00	8.24	13.24	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G64DBA	MW-64	8/31/1999	PROFILE	100.00	105.00	8.24	13.24	8330N	NITROGLYCERIN	NO
G64DBA	MW-64	8/31/1999	PROFILE	100.00	105.00	8.24	13.24	8330N	PICRIC ACID	NO
G64DBA	MW-64	8/31/1999	PROFILE	100.00	105.00	8.24	13.24	OC21V	ACETONE	
G64DDA	MW-64	9/1/1999	PROFILE	120.00	125.00	28.24	33.24	OC21V	CHLOROFORM	
G64DEA	MW-64	9/1/1999	PROFILE	130.00	135.00	38.24	43.24	OC21V	CHLOROFORM	
G64DFA	MW-64	9/1/1999	PROFILE	140.00	145.00	48.24	53.24	OC21V	CHLOROFORM	
G64DGA	MW-64	9/1/1999	PROFILE	150.00	155.00	58.24	63.24	OC21V	CHLOROFORM	
G64DHA	MW-64	9/1/1999	PROFILE	160.00	165.00	68.24	73.24	OC21V	CHLOROFORM	
G64DIA	MW-64	9/1/1999	PROFILE	170.00	175.00	78.24	83.24	OC21V	CHLOROFORM	
G64DJA	MW-64	9/2/1999	PROFILE	180.00	185.00	88.24	93.24	OC21V	CHLOROFORM	
G64DKA	MW-64	9/2/1999	PROFILE	180.00	185.00	88.24	93.24	OC21V	METHYL ETHYL KETONE (2-BUT,	
G64DKA	MW-64	9/2/1999	PROFILE	190.00	195.00	98.24	103.24	OC21V	ACETONE	
G64DKA	MW-64	9/2/1999	PROFILE	190.00	195.00	98.24	103.24	OC21V	CHLOROFORM	
G64DLA	MW-64	9/2/1999	PROFILE	200.00	205.00	108.24	113.24	OC21V	ACETONE	
G64DLA	MW-64	9/2/1999	PROFILE	200.00	205.00	108.24	113.24	OC21V	CHLOROFORM	
G64DMA	MW-64	9/7/1999	PROFILE	210.00	215.00	118.24	123.24	OC21V	CHLOROFORM	
G64DNA	MW-64	9/7/1999	PROFILE	220.00	225.00	128.24	133.24	OC21V	CHLOROFORM	
G66DAA	MW-66	9/7/1999	PROFILE	135.00	135.00	6.00	6.00	8330N	2,6-DINITROTOLUENE	YES
G66DAA	MW-66	9/7/1999	PROFILE	135.00	135.00	6.00	6.00	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G66DAA	MW-66	9/7/1999	PROFILE	135.00	135.00	6.00	6.00	8330N	3-NITROTOLUENE	NO
G66DAA	MW-66	9/7/1999	PROFILE	135.00	135.00	6.00	6.00	8330N	4-NITROTOLUENE	NO
G66DAA	MW-66	9/7/1999	PROFILE	135.00	135.00	6.00	6.00	8330N	NITROGLYCERIN	NO
G66DAA	MW-66	9/7/1999	PROFILE	135.00	135.00	6.00	6.00	8330N	PICRIC ACID	NO
G66DAA	MW-66	9/7/1999	PROFILE	135.00	135.00	6.00	6.00	OC21V	ACETONE	
G66DAA	MW-66	9/7/1999	PROFILE	135.00	135.00	6.00	6.00	OC21V	CHLOROFORM	
G66DAA	MW-66	9/7/1999	PROFILE	135.00	135.00	6.00	6.00	OC21V	METHYL ETHYL KETONE (2-BUT,	
G66DBA	MW-66	9/7/1999	PROFILE	145.00	145.00	16.00	16.00	8330N	2,6-DINITROTOLUENE	YES
G66DBA	MW-66	9/7/1999	PROFILE	145.00	145.00	16.00	16.00	8330N	3-NITROTOLUENE	NO
G66DBA	MW-66	9/7/1999	PROFILE	145.00	145.00	16.00	16.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 8/23/99-9/10/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G66DBA	MW-66	9/7/1999	PROFILE	145.00	145.00	16.00	16.00	8330N	4-NITROTOLUENE	NO
G66DBA	MW-66	9/7/1999	PROFILE	145.00	145.00	16.00	16.00	8330N	NITROGLYCERIN	NO
G66DBA	MW-66	9/7/1999	PROFILE	145.00	145.00	16.00	16.00	8330N	PICRIC ACID	NO
G66DBA	MW-66	9/7/1999	PROFILE	145.00	145.00	16.00	16.00	OC21V	ACETONE	
G66DBA	MW-66	9/7/1999	PROFILE	145.00	145.00	16.00	16.00	OC21V	CHLOROFORM	
G66DBA	MW-66	9/7/1999	PROFILE	145.00	145.00	16.00	16.00	OC21V	METHYL ETHYL KETONE (2-BUT.	
G66DCA	MW-66	9/7/1999	PROFILE	155.00	155.00	26.00	26.00	8330N	2,6-DINITROTOLUENE	YES
G66DCA	MW-66	9/7/1999	PROFILE	155.00	155.00	26.00	26.00	8330N	3-NITROTOLUENE	NO
G66DCA	MW-66	9/7/1999	PROFILE	155.00	155.00	26.00	26.00	8330N	4-NITROTOLUENE	NO
G66DCA	MW-66	9/7/1999	PROFILE	155.00	155.00	26.00	26.00	8330N	NITROGLYCERIN	NO
G66DCA	MW-66	9/7/1999	PROFILE	155.00	155.00	26.00	26.00	8330N	PENTAERYTHRITOL TETRANITR	NO
G66DCA	MW-66	9/7/1999	PROFILE	155.00	155.00	26.00	26.00	8330N	PICRIC ACID	NO
G66DCA	MW-66	9/7/1999	PROFILE	155.00	155.00	26.00	26.00	OC21V	ACETONE	
G66DCD	MW-66	9/7/1999	PROFILE	155.00	155.00	26.00	26.00	8330N	3-NITROTOLUENE	NO
G66DCD	MW-66	9/7/1999	PROFILE	155.00	155.00	26.00	26.00	8330N	NITROGLYCERIN	NO
G66DCD	MW-66	9/7/1999	PROFILE	155.00	155.00	26.00	26.00	8330N	PENTAERYTHRITOL TETRANITR	NO
G66DCD	MW-66	9/7/1999	PROFILE	155.00	155.00	26.00	26.00	8330N	PICRIC ACID	NO
G66DDA	MW-66	9/7/1999	PROFILE	165.00	165.00	36.00	36.00	8330N	3-NITROTOLUENE	NO
G66DDA	MW-66	9/7/1999	PROFILE	165.00	165.00	36.00	36.00	8330N	NITROGLYCERIN	NO
G66DDA	MW-66	9/7/1999	PROFILE	165.00	165.00	36.00	36.00	8330N	PENTAERYTHRITOL TETRANITR	NO
G66DDA	MW-66	9/7/1999	PROFILE	165.00	165.00	36.00	36.00	8330N	PICRIC ACID	NO
G66DDA	MW-66	9/7/1999	PROFILE	165.00	165.00	36.00	36.00	OC21V	ACETONE	
G66DDA	MW-66	9/7/1999	PROFILE	165.00	165.00	36.00	36.00	OC21V	METHYL ETHYL KETONE (2-BUT.	
G66DEA	MW-66	9/7/1999	PROFILE	175.00	175.00	46.00	46.00	8330N	NITROGLYCERIN	NO
G66DEA	MW-66	9/7/1999	PROFILE	175.00	175.00	46.00	46.00	8330N	PENTAERYTHRITOL TETRANITR	NO
G66DEA	MW-66	9/7/1999	PROFILE	175.00	175.00	46.00	46.00	8330N	PICRIC ACID	NO
G66DEA	MW-66	9/7/1999	PROFILE	175.00	175.00	46.00	46.00	OC21V	CHLOROFORM	
G66DFA	MW-66	9/8/1999	PROFILE	185.00	185.00	56.00	56.00	8330N	3-NITROTOLUENE	NO
G66DFA	MW-66	9/8/1999	PROFILE	185.00	185.00	56.00	56.00	8330N	4-NITROTOLUENE	NO
G66DFA	MW-66	9/8/1999	PROFILE	185.00	185.00	56.00	56.00	8330N	NITROGLYCERIN	NO
G66DFA	MW-66	9/8/1999	PROFILE	185.00	185.00	56.00	56.00	8330N	PICRIC ACID	NO
G66DFA	MW-66	9/8/1999	PROFILE	185.00	185.00	56.00	56.00	OC21V	ACETONE	
G66DFA	MW-66	9/8/1999	PROFILE	185.00	185.00	56.00	56.00	OC21V	CHLOROFORM	

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 8/23/99-9/10/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G66DFA	MW-66	9/8/1999	PROFILE	185.00	185.00	56.00	56.00	OC21V	METHYL ETHYL KETONE (2-BUT.	
G66DGA	MW-66	9/8/1999	PROFILE	195.00	195.00	66.00	66.00	8330N	3-NITROTOLUENE	NO
G66DGA	MW-66	9/8/1999	PROFILE	195.00	195.00	66.00	66.00	8330N	NITROGLYCERIN	NO
G66DGA	MW-66	9/8/1999	PROFILE	195.00	195.00	66.00	66.00	8330N	PICRIC ACID	NO
G66DGA	MW-66	9/8/1999	PROFILE	195.00	195.00	66.00	66.00	OC21V	ACETONE	
G66DGA	MW-66	9/8/1999	PROFILE	195.00	195.00	66.00	66.00	OC21V	METHYL ETHYL KETONE (2-BUT.	
G66DHA	MW-66	9/9/1999	PROFILE	205.00	205.00	76.00	76.00	8330N	3-NITROTOLUENE	NO
G66DHA	MW-66	9/9/1999	PROFILE	205.00	205.00	76.00	76.00	8330N	NITROGLYCERIN	NO
G66DHA	MW-66	9/9/1999	PROFILE	205.00	205.00	76.00	76.00	8330N	PICRIC ACID	NO
G66DHA	MW-66	9/9/1999	PROFILE	205.00	205.00	76.00	76.00	OC21V	ACETONE	
G66DHA	MW-66	9/9/1999	PROFILE	205.00	205.00	76.00	76.00	OC21V	CHLOROFORM	
G66DIA	MW-66	9/9/1999	PROFILE	215.00	215.00	86.00	86.00	8330N	3-NITROTOLUENE	NO
G66DIA	MW-66	9/9/1999	PROFILE	215.00	215.00	86.00	86.00	8330N	4-NITROTOLUENE	NO
G66DIA	MW-66	9/9/1999	PROFILE	215.00	215.00	86.00	86.00	8330N	PICRIC ACID	NO
G66DIA	MW-66	9/9/1999	PROFILE	215.00	215.00	86.00	86.00	OC21V	ACETONE	
G66DIA	MW-66	9/9/1999	PROFILE	215.00	215.00	86.00	86.00	OC21V	CHLOROFORM	
G66DIA	MW-66	9/9/1999	PROFILE	215.00	215.00	86.00	86.00	OC21V	METHYL ETHYL KETONE (2-BUT.	
G66DJA	MW-66	9/9/1999	PROFILE	225.00	225.00	96.00	96.00	8330N	3-NITROTOLUENE	NO
G66DJA	MW-66	9/9/1999	PROFILE	225.00	225.00	96.00	96.00	8330N	NITROGLYCERIN	NO
G66DJA	MW-66	9/9/1999	PROFILE	225.00	225.00	96.00	96.00	8330N	PICRIC ACID	NO
G66DJA	MW-66	9/9/1999	PROFILE	225.00	225.00	96.00	96.00	OC21V	ACETONE	
G66DJA	MW-66	9/9/1999	PROFILE	225.00	225.00	96.00	96.00	OC21V	CHLOROFORM	
G66DJA	MW-66	9/9/1999	PROFILE	225.00	225.00	96.00	96.00	OC21V	METHYL ETHYL KETONE (2-BUT.	
G66DKA	MW-66	9/9/1999	PROFILE	235.00	235.00	106.00	106.00	8330N	2,6-DINITROTOLUENE	YES
G66DKA	MW-66	9/9/1999	PROFILE	235.00	235.00	106.00	106.00	8330N	3-NITROTOLUENE	NO
G66DKA	MW-66	9/9/1999	PROFILE	235.00	235.00	106.00	106.00	8330N	4-NITROTOLUENE	NO
G66DKA	MW-66	9/9/1999	PROFILE	235.00	235.00	106.00	106.00	8330N	NITROGLYCERIN	NO
G66DKA	MW-66	9/9/1999	PROFILE	235.00	235.00	106.00	106.00	8330N	PICRIC ACID	NO
G66DKA	MW-66	9/9/1999	PROFILE	235.00	235.00	106.00	106.00	OC21V	ACETONE	
G66DKA	MW-66	9/9/1999	PROFILE	235.00	235.00	106.00	106.00	OC21V	CHLOROFORM	
G66DKA	MW-66	9/9/1999	PROFILE	235.00	235.00	106.00	106.00	OC21V	METHYL ETHYL KETONE (2-BUT.	
G66DLA	MW-66	9/9/1999	PROFILE	245.00	245.00	116.00	116.00	8330N	3-NITROTOLUENE	NO
G66DLA	MW-66	9/9/1999	PROFILE	245.00	245.00	116.00	116.00	8330N	NITROBENZENE	NO

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DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 8/23/99-9/10/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G66DLA	MW-66	9/9/1999	PROFILE	245.00	245.00	116.00	116.00	8330N	PENTAERYTHRITOL TETRANITR	NO
G66DLA	MW-66	9/9/1999	PROFILE	245.00	245.00	116.00	116.00	8330N	PICRIC ACID	NO
G66DLA	MW-66	9/9/1999	PROFILE	245.00	245.00	116.00	116.00	OC21V	ACETONE	
G66DLA	MW-66	9/9/1999	PROFILE	245.00	245.00	116.00	116.00	OC21V	CHLOROFORM	
G66DMA	MW-66	9/9/1999	PROFILE	255.00	255.00	126.00	126.00	8330N	3-NITROTOLUENE	NO
G66DMA	MW-66	9/9/1999	PROFILE	255.00	255.00	126.00	126.00	8330N	4-NITROTOLUENE	NO
G66DMA	MW-66	9/9/1999	PROFILE	255.00	255.00	126.00	126.00	8330N	NITROGLYCERIN	NO
G66DMA	MW-66	9/9/1999	PROFILE	255.00	255.00	126.00	126.00	8330N	PICRIC ACID	NO
G66DMA	MW-66	9/9/1999	PROFILE	255.00	255.00	126.00	126.00	OC21V	ACETONE	
G66DMA	MW-66	9/9/1999	PROFILE	255.00	255.00	126.00	126.00	OC21V	CHLOROFORM	
G66DMA	MW-66	9/9/1999	PROFILE	255.00	255.00	126.00	126.00	OC21V	METHYL ETHYL KETONE (2-BUT,	
G66DNA	MW-66	9/10/1999	PROFILE	265.00	265.00	136.00	136.00	8330N	3-NITROTOLUENE	NO
G66DNA	MW-66	9/10/1999	PROFILE	265.00	265.00	136.00	136.00	8330N	NITROGLYCERIN	NO
G66DNA	MW-66	9/10/1999	PROFILE	265.00	265.00	136.00	136.00	8330N	PICRIC ACID	NO
G66DNA	MW-66	9/10/1999	PROFILE	265.00	265.00	136.00	136.00	OC21V	ACETONE	
G66DNA	MW-66	9/10/1999	PROFILE	265.00	265.00	136.00	136.00	OC21V	CHLOROFORM	
G66DOA	MW-66	9/10/1999	PROFILE	275.00	275.00	146.00	146.00	8330N	NITROGLYCERIN	NO
G66DOA	MW-66	9/10/1999	PROFILE	275.00	275.00	146.00	146.00	8330N	PICRIC ACID	NO
G66DOA	MW-66	9/10/1999	PROFILE	275.00	275.00	146.00	146.00	OC21V	ACETONE	
G66DOA	MW-66	9/10/1999	PROFILE	275.00	275.00	146.00	146.00	OC21V	CHLOROFORM	
G66DOA	MW-66	9/10/1999	PROFILE	275.00	275.00	146.00	146.00	OC21V	METHYL ETHYL KETONE (2-BUT,	
G68DAA	MW-68	9/7/1999	PROFILE	95.00	95.00	7.20	7.20	8330N	3-NITROTOLUENE	NO
G68DAA	MW-68	9/7/1999	PROFILE	95.00	95.00	7.20	7.20	8330N	4-NITROTOLUENE	NO
G68DAA	MW-68	9/7/1999	PROFILE	95.00	95.00	7.20	7.20	8330N	NITROGLYCERIN	NO
G68DAA	MW-68	9/7/1999	PROFILE	95.00	95.00	7.20	7.20	8330N	PENTAERYTHRITOL TETRANITR	NO
G68DAA	MW-68	9/7/1999	PROFILE	95.00	95.00	7.20	7.20	8330N	PICRIC ACID	NO
G68DAA	MW-68	9/7/1999	PROFILE	95.00	95.00	7.20	7.20	OC21V	ACETONE	
G68DAA	MW-68	9/7/1999	PROFILE	95.00	95.00	7.20	7.20	OC21V	CHLOROFORM	
G68DAA	MW-68	9/7/1999	PROFILE	95.00	95.00	7.20	7.20	OC21V	METHYL ETHYL KETONE (2-BUT,	
G68DBA	MW-68	9/7/1999	PROFILE	105.00	105.00	17.20	17.20	8330N	NITROGLYCERIN	NO
G68DBA	MW-68	9/7/1999	PROFILE	105.00	105.00	17.20	17.20	8330N	PICRIC ACID	NO
G68DBA	MW-68	9/7/1999	PROFILE	105.00	105.00	17.20	17.20	OC21V	ACETONE	
G68DBA	MW-68	9/7/1999	PROFILE	105.00	105.00	17.20	17.20	OC21V	CHLOROFORM	

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 8/23/99-9/10/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G68DBA	MW-68	9/7/1999	PROFILE	105.00	105.00	17.20	17.20	OC21V	METHYL ETHYL KETONE (2-BUT,	
G68DCA	MW-68	9/8/1999	PROFILE	110.00	110.00	22.20	22.20	8330N	2-NITROTOLUENE	NO
G68DCA	MW-68	9/8/1999	PROFILE	110.00	110.00	22.20	22.20	8330N	3-NITROTOLUENE	NO
G68DCA	MW-68	9/8/1999	PROFILE	110.00	110.00	22.20	22.20	8330N	4-NITROTOLUENE	NO
G68DCA	MW-68	9/8/1999	PROFILE	110.00	110.00	22.20	22.20	8330N	NITROGLYCERIN	NO
G68DCA	MW-68	9/8/1999	PROFILE	110.00	110.00	22.20	22.20	8330N	PENTAERYTHRITOL TETRANITR	NO
G68DCA	MW-68	9/8/1999	PROFILE	110.00	110.00	22.20	22.20	8330N	PICRIC ACID	NO
G68DCA	MW-68	9/8/1999	PROFILE	110.00	110.00	22.20	22.20	OC21V	ACETONE	
G68DCA	MW-68	9/8/1999	PROFILE	110.00	110.00	22.20	22.20	OC21V	CHLOROETHANE	
G68DCA	MW-68	9/8/1999	PROFILE	110.00	110.00	22.20	22.20	OC21V	CHLOROFORM	
G68DCA	MW-68	9/8/1999	PROFILE	110.00	110.00	22.20	22.20	OC21V	METHYL ETHYL KETONE (2-BUT,	
G68DDA	MW-68	9/8/1999	PROFILE	120.00	120.00	32.20	32.20	OC21V	ACETONE	
G68DDA	MW-68	9/8/1999	PROFILE	120.00	120.00	32.20	32.20	OC21V	CHLOROFORM	
G68DDA	MW-68	9/8/1999	PROFILE	120.00	120.00	32.20	32.20	OC21V	METHYL ETHYL KETONE (2-BUT,	
G68DEA	MW-68	9/8/1999	PROFILE	130.00	130.00	42.20	42.20	8330N	4-NITROTOLUENE	NO
G68DEA	MW-68	9/8/1999	PROFILE	130.00	130.00	42.20	42.20	8330N	PENTAERYTHRITOL TETRANITR	NO
G68DEA	MW-68	9/8/1999	PROFILE	130.00	130.00	42.20	42.20	8330N	PICRIC ACID	NO
G68DEA	MW-68	9/8/1999	PROFILE	130.00	130.00	42.20	42.20	OC21V	ACETONE	
G68DEA	MW-68	9/8/1999	PROFILE	130.00	130.00	42.20	42.20	OC21V	CHLOROFORM	
G68DEA	MW-68	9/8/1999	PROFILE	130.00	130.00	42.20	42.20	OC21V	METHYL ETHYL KETONE (2-BUT,	
G68DED	MW-68	9/8/1999	PROFILE	130.00	130.00	42.20	42.20	8330N	3-NITROTOLUENE	NO
G68DED	MW-68	9/8/1999	PROFILE	130.00	130.00	42.20	42.20	8330N	4-NITROTOLUENE	NO
G68DED	MW-68	9/8/1999	PROFILE	130.00	130.00	42.20	42.20	8330N	NITROGLYCERIN	NO
G68DED	MW-68	9/8/1999	PROFILE	130.00	130.00	42.20	42.20	8330N	PENTAERYTHRITOL TETRANITR	NO
G68DED	MW-68	9/8/1999	PROFILE	130.00	130.00	42.20	42.20	8330N	PICRIC ACID	NO
G68DFA	MW-68	9/8/1999	PROFILE	140.00	140.00	52.20	52.20	8330N	2-NITROTOLUENE	NO
G68DFA	MW-68	9/8/1999	PROFILE	140.00	140.00	52.20	52.20	8330N	3-NITROTOLUENE	NO
G68DFA	MW-68	9/8/1999	PROFILE	140.00	140.00	52.20	52.20	8330N	4-NITROTOLUENE	NO
G68DFA	MW-68	9/8/1999	PROFILE	140.00	140.00	52.20	52.20	8330N	PENTAERYTHRITOL TETRANITR	NO
G68DFA	MW-68	9/8/1999	PROFILE	140.00	140.00	52.20	52.20	8330N	PICRIC ACID	NO
G68DFA	MW-68	9/8/1999	PROFILE	140.00	140.00	52.20	52.20	OC21V	ACETONE	
G68DFA	MW-68	9/8/1999	PROFILE	140.00	140.00	52.20	52.20	OC21V	METHYL ETHYL KETONE (2-BUT,	
G68DGA	MW-68	9/8/1999	PROFILE	150.00	150.00	62.20	62.20	8330N	PICRIC ACID	NO

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DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 8/23/99-9/10/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G68DGA	MW-68	9/8/1999	PROFILE	150.00	150.00	62.20	62.20	OC21V	ACETONE	
G68DGA	MW-68	9/8/1999	PROFILE	150.00	150.00	62.20	62.20	OC21V	CHLOROFORM	
G68DGA	MW-68	9/8/1999	PROFILE	150.00	150.00	62.20	62.20	OC21V	METHYL ETHYL KETONE (2-BUT,	
G68DHA	MW-68	9/8/1999	PROFILE	160.00	160.00	72.20	72.20	8330N	PICRIC ACID	NO
G68DHA	MW-68	9/8/1999	PROFILE	160.00	160.00	72.20	72.20	OC21V	ACETONE	
G68DHA	MW-68	9/8/1999	PROFILE	160.00	160.00	72.20	72.20	OC21V	CHLOROFORM	
G68DHA	MW-68	9/8/1999	PROFILE	160.00	160.00	72.20	72.20	OC21V	METHYL ETHYL KETONE (2-BUT,	
G68DIA	MW-68	9/8/1999	PROFILE	170.00	170.00	82.20	82.20	8330N	PICRIC ACID	NO
G68DIA	MW-68	9/8/1999	PROFILE	170.00	170.00	82.20	82.20	OC21V	ACETONE	
G68DIA	MW-68	9/8/1999	PROFILE	170.00	170.00	82.20	82.20	OC21V	METHYL ETHYL KETONE (2-BUT,	
G68DJA	MW-68	9/8/1999	PROFILE	180.00	180.00	92.20	92.20	8330N	PENTAERYTHRITOL TETRANITR	NO
G68DJA	MW-68	9/8/1999	PROFILE	180.00	180.00	92.20	92.20	8330N	PICRIC ACID	NO
G68DJA	MW-68	9/8/1999	PROFILE	180.00	180.00	92.20	92.20	OC21V	ACETONE	
G68DJA	MW-68	9/8/1999	PROFILE	180.00	180.00	92.20	92.20	OC21V	METHYL ETHYL KETONE (2-BUT,	
G68DKA	MW-68	9/8/1999	PROFILE	190.00	190.00	102.20	102.20	8330N	PICRIC ACID	NO
G68DKA	MW-68	9/8/1999	PROFILE	190.00	190.00	102.20	102.20	OC21V	ACETONE	
G68DKA	MW-68	9/8/1999	PROFILE	190.00	190.00	102.20	102.20	OC21V	METHYL ETHYL KETONE (2-BUT,	
G68DLA	MW-68	9/8/1999	PROFILE	200.00	200.00	112.20	112.20	8330N	2-NITROTOLUENE	NO
G68DLA	MW-68	9/8/1999	PROFILE	200.00	200.00	112.20	112.20	8330N	3-NITROTOLUENE	NO
G68DLA	MW-68	9/8/1999	PROFILE	200.00	200.00	112.20	112.20	8330N	4-NITROTOLUENE	NO
G68DLA	MW-68	9/8/1999	PROFILE	200.00	200.00	112.20	112.20	OC21V	ACETONE	
G68DLA	MW-68	9/8/1999	PROFILE	200.00	200.00	112.20	112.20	OC21V	METHYL ETHYL KETONE (2-BUT,	
G68DLD	MW-68	9/8/1999	PROFILE	200.00	200.00	112.20	112.20	8330N	3-NITROTOLUENE	NO
G68DLD	MW-68	9/8/1999	PROFILE	200.00	200.00	112.20	112.20	8330N	4-NITROTOLUENE	NO
G68DLD	MW-68	9/8/1999	PROFILE	200.00	200.00	112.20	112.20	8330N	PICRIC ACID	NO
G68DMA	MW-68	9/9/1999	PROFILE	210.00	210.00	122.20	122.20	8330N	2,4-DINITROTOLUENE	NO
G68DMA	MW-68	9/9/1999	PROFILE	210.00	210.00	122.20	122.20	8330N	2-NITROTOLUENE	NO
G68DMA	MW-68	9/9/1999	PROFILE	210.00	210.00	122.20	122.20	8330N	3-NITROTOLUENE	NO
G68DMA	MW-68	9/9/1999	PROFILE	210.00	210.00	122.20	122.20	8330N	4-NITROTOLUENE	NO
G68DMA	MW-68	9/9/1999	PROFILE	210.00	210.00	122.20	122.20	8330N	PENTAERYTHRITOL TETRANITR	NO
G68DMA	MW-68	9/9/1999	PROFILE	210.00	210.00	122.20	122.20	8330N	PICRIC ACID	NO
G68DMA	MW-68	9/9/1999	PROFILE	210.00	210.00	122.20	122.20	OC21V	2-HEXANONE	
G68DMA	MW-68	9/9/1999	PROFILE	210.00	210.00	122.20	122.20	OC21V	ACETONE	

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DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 8/23/99-9/10/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G68DMA	MW-68	9/9/1999	PROFILE	210.00	210.00	122.20	122.20	OC21V	METHYL ETHYL KETONE (2-BUT,	
G68DNA	MW-68	9/9/1999	PROFILE	220.00	220.00	132.20	132.20	8330N	2-NITROTOLUENE	NO
G68DNA	MW-68	9/9/1999	PROFILE	220.00	220.00	132.20	132.20	8330N	3-NITROTOLUENE	NO
G68DNA	MW-68	9/9/1999	PROFILE	220.00	220.00	132.20	132.20	8330N	4-NITROTOLUENE	NO
G68DNA	MW-68	9/9/1999	PROFILE	220.00	220.00	132.20	132.20	8330N	PENTAERYTHRITOL TETRANITR	NO
G68DNA	MW-68	9/9/1999	PROFILE	220.00	220.00	132.20	132.20	8330N	PICRIC ACID	NO
G68DNA	MW-68	9/9/1999	PROFILE	220.00	220.00	132.20	132.20	OC21V	2-HEXANONE	
G68DNA	MW-68	9/9/1999	PROFILE	220.00	220.00	132.20	132.20	OC21V	ACETONE	
G68DNA	MW-68	9/9/1999	PROFILE	220.00	220.00	132.20	132.20	OC21V	CHLOROFORM	
G68DNA	MW-68	9/9/1999	PROFILE	220.00	220.00	132.20	132.20	OC21V	METHYL ETHYL KETONE (2-BUT,	
G68DOA	MW-68	9/9/1999	PROFILE	230.00	230.00	142.20	142.20	8330N	PENTAERYTHRITOL TETRANITR	NO
G68DOA	MW-68	9/9/1999	PROFILE	230.00	230.00	142.20	142.20	8330N	PICRIC ACID	NO
G68DOA	MW-68	9/9/1999	PROFILE	230.00	230.00	142.20	142.20	OC21V	ACETONE	
G68DOA	MW-68	9/9/1999	PROFILE	230.00	230.00	142.20	142.20	OC21V	METHYL ETHYL KETONE (2-BUT,	
G68DPA	MW-68	9/9/1999	PROFILE	240.00	240.00	152.20	152.20	OC21V	ACETONE	
G68DPA	MW-68	9/9/1999	PROFILE	240.00	240.00	152.20	152.20	OC21V	METHYL ETHYL KETONE (2-BUT,	
G68DQA	MW-68	9/9/1999	PROFILE	245.00	245.00	157.20	157.20	OC21V	ACETONE	
G68DQA	MW-68	9/9/1999	PROFILE	245.00	245.00	157.20	157.20	OC21V	METHYL ETHYL KETONE (2-BUT,	
G82DLA	MW-82	8/23/1999	PROFILE	140.00	145.00	110.90	115.90	OC21V	CHLOROFORM	
G82DNA	MW-82	8/23/1999	PROFILE	160.00	165.00	130.90	135.90	OC21V	CHLOROFORM	
G82DND	MW-82	8/23/1999	PROFILE	160.00	165.00	130.90	135.90	OC21V	CHLOROFORM	
G83DOA	MW-83	8/23/1999	PROFILE	180.00	185.00	143.00	148.00	8330N	3-NITROTOLUENE	NO
G83DOA	MW-83	8/23/1999	PROFILE	180.00	185.00	143.00	148.00	8330N	PICRIC ACID	NO
G83DOA	MW-83	8/23/1999	PROFILE	180.00	185.00	143.00	148.00	OC21V	STYRENE	
G83DOA	MW-83	8/23/1999	PROFILE	180.00	185.00	143.00	148.00	OC21V	TOLUENE	
G83DPA	MW-83	8/23/1999	PROFILE	190.00	195.00	153.00	158.00	OC21V	ACETONE	
G83DPA	MW-83	8/23/1999	PROFILE	190.00	195.00	153.00	158.00	OC21V	TOLUENE	
G84DAA	MW-84	8/25/1999	PROFILE	40.00	45.00	1.15	6.15	OC21V	ACETONE	
G84DBA	MW-84	8/25/1999	PROFILE	50.00	55.00	11.15	16.15	OC21V	CHLOROFORM	
G84DCA	MW-84	8/25/1999	PROFILE	60.00	65.00	21.15	26.15	OC21V	CHLOROFORM	
G84DDA	MW-84	8/25/1999	PROFILE	70.00	75.00	31.15	36.15	OC21V	CHLOROFORM	
G84DEA	MW-84	8/25/1999	PROFILE	80.00	85.00	41.15	46.15	OC21V	CHLOROFORM	
G84DFA	MW-84	8/25/1999	PROFILE	90.00	95.00	51.15	56.15	OC21V	CHLOROFORM	

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 SAMPLES COLLECTED 8/23/99-9/10/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G84DGA	MW-84	8/26/1999	PROFILE	100.00	105.00	61.15	66.15	OC21V	CHLOROFORM	
G84DHA	MW-84	8/26/1999	PROFILE	110.00	115.00	71.15	76.15	OC21V	CHLOROFORM	
G84DIA	MW-84	8/26/1999	PROFILE	120.00	125.00	81.15	86.15	OC21V	CHLOROFORM	
G84DJA	MW-84	8/26/1999	PROFILE	130.00	135.00	91.15	96.15	OC21V	CHLOROFORM	
G84DKA	MW-84	8/26/1999	PROFILE	140.00	145.00	101.15	106.15	OC21V	CHLOROFORM	
G84DLA	MW-84	8/26/1999	PROFILE	150.00	155.00	111.15	116.15	OC21V	CHLOROFORM	
G84DMA	MW-84	8/27/1999	PROFILE	160.00	165.00	121.15	126.15	OC21V	CHLOROFORM	
G84DNA	MW-84	8/27/1999	PROFILE	170.00	175.00	131.15	136.15	OC21V	CHLOROFORM	
G84DOA	MW-84	8/27/1999	PROFILE	180.00	185.00	141.15	146.15	OC21V	CHLOROFORM	
G84DPA	MW-84	8/27/1999	PROFILE	190.00	195.00	151.15	156.15	OC21V	CHLOROFORM	
G84DQA	MW-84	8/27/1999	PROFILE	200.00	205.00	161.15	166.15	OC21V	CHLOROFORM	
G84DRA	MW-84	8/30/1999	PROFILE	208.00	213.00	169.15	174.15	OC21V	ACETONE	

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