

**WEEKLY PROGRESS UPDATE
FOR NOVEMBER 8 – NOVEMBER 12, 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 November 8 to November 12, 1999.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of November 12 is summarized in Table 1.

Table 1. Drilling progress as of November 12, 1999				
Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-56b	J Well far field well	188	117	131-141 156-166 176-186
MW-57	Sandwich far field well	327	240	85-95 117-127
MW-77	Demo 1 response well on downgradient path	190	105	
bgs = below ground surface bwt = below water table				

Samples collected during the reporting period are summarized in Table 2. Groundwater sampling continued for the third round of Group 1 far field wells, the third round of Phase II (a) wells, and the first round of “new” Group 2 far field wells. Groundwater profile samples were collected from MW-77; location and drilling status for this well are indicated in Table 1. Soil sampling continued from the potential RDX source areas at area 3 and 46, in accordance with the Phase II (a) Workplan. A reconnaissance was conducted on 11/10/99 of the potential targets along Turpentine Road, the trench along Turpentine Road, the cleared area south of the CS-19 bunker, the cleared area north of Herbert Road, and the mortar targets. There was no technical meeting during this reporting period.

2. SUMMARY OF DATA RECEIVED

Rush data are summarized in Table 3. These data are for analyses that are performed on a fast turnaround time, typically 1-5 days. Explosive analyses for monitoring wells, and explosive and VOC analyses for groundwater profile samples, are conducted in this timeframe. The rush data are not validated, but are provided as an indication of the most recent preliminary results. Table 3 summarizes only detects, and does not show samples with non-detects.

The status of the detections with respect to confirmation using Photo Diode Array (PDA) spectra is indicated in Table 3. PDA is a procedure that has been implemented for the explosive analysis, to reduce the likelihood of false positive identifications. Where the PDA status is “YES” in Table 3, the detected compound is verified as properly identified. Where the status is “NO”, the identification of an explosive has been determined 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. Most explosive detections verified by PDA are confirmed to be present upon completion of validation. Table 3 includes the following detections:

- The groundwater samples from wells MW-70M2, MW-65M2, MW-35M2, PAVE PAWS MW-1, PAVE PAWS MW-2, PAVE PAWS PW-1, and PAVE PAWS PW-2 had detections of 1,3,5-trinitrobenzene (TNB) that were not verified with the PDA spectra.
- A quality assurance profile sample from MW-57 had a detection of TNB that was not verified with the PDA spectra.
- The groundwater duplicate sample from MW-34M1 located downgradient from Demo 1 had a detection of RDX that was verified by PDA spectra. The previous week's progress report indicated that the regular sample from MW-34M1 also had a detection of RDX, which was confirmed by PDA spectra.
- The groundwater sample from MW-73 located at Demo 1 had detections of RDX, HMX, 2-amino-4,6-dinitrotoluene (2A-DNT), and 4-amino-2,6-dinitrotoluene (4A-DNT), which were confirmed by PDA spectra. The two previous samples from this well had the same compounds detected and verified, except for 2A-DNT which was not detected in either sample.
- Groundwater profile samples from MW-57 (Sandwich Well far field well) had detections of chloroform (8 intervals), PCE (1 interval), TCE (1 interval), and bromochloromethane (1 interval).
- Groundwater profile samples from MW-77 (Demo 1 response well) had detections of TNB (2 intervals), 1,3-dinitrobenzene (3 intervals), 2,6-dinitrotoluene (1 interval), nitroglycerin (7 intervals), PETN (1 interval), picric acid (3 intervals), RDX (7 intervals), HMX (4 intervals), and 4A-DNT (3 intervals). The 2,6-dinitrotoluene, HMX, 4A-DNT, and six of the RDX detections were verified by the PDA spectra.

3. DELIVERABLES SUBMITTED

Draft Technical Memo 99-1 for KD and U Ranges	11/3/99
Draft Technical Memo 99-4 for J-3 Wetland	11/4/99
Monthly Progress Report #31 (October 1999)	11/10/99
Correction to 10/28/99 Public Meeting Map for Metals	11/11/99

4. SCHEDULED ACTIONS

Scheduled actions for the week of November 15 include completion of drilling MW-77 (Demo 1 response well), replacement of damaged well MW-48S, commence drilling on MW-75 (Demo 1 response well north side of downgradient path), commence drilling on MW-57b (Sandwich far field well); development and sampling of newly installed wells; and commence soil sampling of Gun and Mortar positions.

5. SUMMARY OF ACTIVITIES FOR DEMO 1

Groundwater profiling was completed at the downgradient well MW-77 located directly on the flow path from Demo 1. The groundwater profile data for MW-77 had detections of explosives that were verified by PDA spectra. These detections are consistent with upgradient detections at MW-31 and -19, crossgradient detections at MW-76 to the south, and downgradient detections at MW-34. The magnitude of detections is consistent with the modeled flow path, higher at MW-77 located on the flow path than at MW-76 located south of the flow path. Well screens will be selected for MW-77 based on the profile data, and installed for future sampling. The next boring will be completed at MW-75, north of MW-77.

TABLE 2
 SAMPLING PROGRESS
 11/8-11/12

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
95-6A-E	FIELDQC	11/10/1999	FIELDQC	0.00	0.00		
G77MBE	FIELDQC	11/8/1999	FIELDQC	0.00	0.00		
G77MDE	FIELDQC	11/9/1999	FIELDQC	0.00	0.00		
HC03P1AAE	FIELDQC	11/10/1999	FIELDQC	0.00	0.00		
HC03P1AAT	FIELDQC	11/10/1999	FIELDQC	0.00	0.00		
HC03Q1BAE	FIELDQC	11/11/1999	FIELDQC	0.00	0.00		
HC03Q1BAT	FIELDQC	11/11/1999	FIELDQC	0.00	0.00		
HC46B1AAE	FIELDQC	11/12/1999	FIELDQC	0.00	0.00		
W42M1T	FIELDQC	11/12/1999	FIELDQC	0.00	0.00		
W54M2T	FIELDQC	11/9/1999	FIELDQC	0.00	0.00		
W54SST	FIELDQC	11/8/1999	FIELDQC	0.00	0.00		
95-15A	95-15A	11/10/1999	GROUNDWATER			138.00	148.00
95-6A	95-6A	11/9/1999	GROUNDWATER			142.00	152.00
W38DDA	MW-38	11/11/1999	GROUNDWATER			125.00	135.00
W38M1A	MW-38	11/9/1999	GROUNDWATER			100.00	110.00
W38M2A	MW-38	11/9/1999	GROUNDWATER			70.00	80.00
W38M3A	MW-38	11/10/1999	GROUNDWATER			53.00	63.00
W38M4A	MW-38	11/11/1999	GROUNDWATER			15.00	25.00
W39M1A	MW-39	11/11/1999	GROUNDWATER			87.00	97.00
W39M2A	MW-39	11/10/1999	GROUNDWATER			42.00	52.00
W41M1A	MW-41	11/12/1999	GROUNDWATER			110.00	120.00
W41M2A	MW-41	11/12/1999	GROUNDWATER			119.00	129.00
W41M2D	MW-41	11/12/1999	GROUNDWATER			119.00	129.00
W41M3A	MW-41	11/11/1999	GROUNDWATER			0.00	10.00
W42M1A	MW-42	11/12/1999	GROUNDWATER			139.00	149.00
W42M3A	MW-42	11/12/1999	GROUNDWATER			99.00	109.00
W52DDA	MW-52	11/9/1999	GROUNDWATER			120.00	130.00
W52M1A	MW-52	11/8/1999	GROUNDWATER			139.00	149.00
W52M2A	MW-52	11/8/1999	GROUNDWATER			74.00	84.00
W52M2D	MW-52	11/8/1999	GROUNDWATER			74.00	84.00
W52M3A	MW-52	11/9/1999	GROUNDWATER			26.00	36.00
W54M2A	MW-54	11/8/1999	GROUNDWATER			58.00	68.00
W54M3A	MW-54	11/9/1999	GROUNDWATER			28.00	38.00
W54SSA	MW-54	11/8/1999	GROUNDWATER			0.00	10.00
W55DDA	MW-55	11/8/1999	GROUNDWATER			120.00	130.00
W55M1A	MW-55	11/8/1999	GROUNDWATER			90.00	100.00
W55M2A	MW-55	11/8/1999	GROUNDWATER			60.00	70.00
W55M3A	MW-55	11/8/1999	GROUNDWATER			29.50	39.50
W55SSA	MW-55	11/9/1999	GROUNDWATER			0.00	10.00
W84DDA	MW-84	11/10/1999	GROUNDWATER			151.00	161.00
W84M1A	MW-84	11/9/1999	GROUNDWATER			101.00	111.00
W84M2A	MW-84	11/9/1999	GROUNDWATER			65.00	75.00
W84M3A	MW-84	11/9/1999	GROUNDWATER			40.00	50.00
DW1108	GAC WATER	11/8/1999	IDW	0.00	0.00		
DW1109	GAC WATER	11/9/1999	IDW	0.00	0.00		
DW1110	GAC WATER	11/10/1999	IDW	0.00	0.00		
G77MAA	MW-77	11/8/1999	PROFILE	90.00	90.00	5.50	5.50
G77MBA	MW-77	11/8/1999	PROFILE	100.00	100.00	15.50	15.50

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
 SAMPLING PROGRESS
 11/8-11/12

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G77MCA	MW-77	11/8/1999	PROFILE	110.00	110.00	25.50	25.50
G77MDA	MW-77	11/9/1999	PROFILE	120.00	120.00	35.50	35.50
G77MDD	MW-77	11/9/1999	PROFILE	120.00	120.00	35.50	35.50
G77MEA	MW-77	11/9/1999	PROFILE	130.00	130.00	45.50	45.50
G77MFA	MW-77	11/9/1999	PROFILE	140.00	140.00	55.50	55.50
G77MGA	MW-77	11/9/1999	PROFILE	150.00	150.00	65.50	65.50
G77MHA	MW-77	11/9/1999	PROFILE	160.00	160.00	75.50	75.50
G77MIA	MW-77	11/9/1999	PROFILE	170.00	170.00	85.50	85.50
G77MJA	MW-77	11/9/1999	PROFILE	180.00	180.00	95.50	95.50
G77MKA	MW-77	11/9/1999	PROFILE	190.00	190.00	105.50	105.50
HC03P1AAA	HC03P1AAA	11/10/1999	SOIL GRID	0.00	0.25		
HC03P1BAA	HC03P1BAA	11/10/1999	SOIL GRID	0.25	0.50		
HC03P1CAA	HC03P1CAA	11/10/1999	SOIL GRID	0.50	1.00		
HC03Q1AAA	HC03Q1AAA	11/11/1999	SOIL GRID	0.00	0.25		
HC03Q1BAA	HC03Q1BAA	11/11/1999	SOIL GRID	0.25	0.50		
HC03Q1CAA	HC03Q1CAA	11/11/1999	SOIL GRID	0.50	1.00		
HC03R1AAA	HC03R1AAA	11/11/1999	SOIL GRID	0.00	0.25		
HC03R1BAA	HC03R1BAA	11/11/1999	SOIL GRID	0.25	0.50		
HC03R1CAA	HC03R1CAA	11/11/1999	SOIL GRID	0.50	1.00		
HC03S1AAA	HC03S1AAA	11/10/1999	SOIL GRID	0.00	0.25		
HC03S1AAD	HC03S1AAD	11/10/1999	SOIL GRID	0.00	0.25		
HC03S1BAA	HC03S1BAA	11/10/1999	SOIL GRID	0.25	0.50		
HC03S1BAD	HC03S1BAD	11/10/1999	SOIL GRID	0.25	0.50		
HC03S1CAA	HC03S1CAA	11/10/1999	SOIL GRID	0.50	1.00		
HC46A1AAA	46A	11/11/1999	SOIL GRID	0.00	0.25		
HC46A1BAA	46A	11/11/1999	SOIL GRID	0.25	0.50		
HC46A1CAA	46A	11/11/1999	SOIL GRID	0.50	1.00		
HC46B1AAA	46B	11/12/1999	SOIL GRID	0.00	0.25		
HC46B1BAA	46B	11/12/1999	SOIL GRID	0.25	0.50		
HC46B1CAA	46B	11/12/1999	SOIL GRID	0.50	1.00		
HC46C1AAA	46C	11/12/1999	SOIL GRID	0.00	0.25		
HC46C1BAA	46C	11/12/1999	SOIL GRID	0.25	0.50		
HC46C1CAA	46C	11/12/1999	SOIL GRID	0.50	1.00		
HC46D1AAA	46D	11/12/1999	SOIL GRID	0.00	0.25		
HC46D1BAA	46D	11/12/1999	SOIL GRID	0.25	0.50		
HC46D1CAA	46D	11/12/1999	SOIL GRID	0.50	1.00		
HD03S1AAA	HD03S1AAA	11/10/1999	SOIL GRID	0.00	0.25		
HD03S1BAA	HD03S1BAA	11/10/1999	SOIL GRID	0.25	0.50		
HD03S1CAA	HD03S1CAA	11/10/1999	SOIL GRID	0.50	1.00		
HD03S2AAA	HD03S2AAA	11/10/1999	SOIL GRID	0.00	0.25		
HD03S2BAA	HD03S2BAA	11/10/1999	SOIL GRID	0.25	0.50		
HD03S2CAA	HD03S2CAA	11/10/1999	SOIL GRID	0.50	1.00		
HD03S3AAA	HD03S3AAA	11/10/1999	SOIL GRID	0.00	0.25		
HD03S3AAD	HD03S3AAD	11/10/1999	SOIL GRID	0.00	0.25		
HD03S3BAA	HD03S3BAA	11/10/1999	SOIL GRID	0.25	0.50		
HD03S3BAD	HD03S3BAD	11/10/1999	SOIL GRID	0.25	0.50		
HD03S3CAA	HD03S3CAA	11/10/1999	SOIL GRID	0.50	1.00		
HD03S3CAD	HD03S3CAD	11/10/1999	SOIL GRID	0.50	1.00		
HD03S4AAA	HD03S4AAA	11/10/1999	SOIL GRID	0.00	0.25		

Profiling methods include: Volatiles and Explosives

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

Other Sample Types methods are variable

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TABLE 2
 SAMPLING PROGRESS
 11/8-11/12

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD03S4BAA	HD03S4BAA	11/10/1999	SOIL GRID	0.25	0.50		
HD03S4CAA	HD03S4CAA	11/10/1999	SOIL GRID	0.50	1.00		
HD03S5AAA	HD03S5AAA	11/10/1999	SOIL GRID	0.00	0.25		
HD03S5BAA	HD03S5BAA	11/10/1999	SOIL GRID	0.25	0.50		
HD03S5CAA	HD03S5CAA	11/10/1999	SOIL GRID	0.50	1.00		
HD46B1AAA	46B	11/12/1999	SOIL GRID	0.00	0.25		
HD46B1BAA	46B	11/12/1999	SOIL GRID	0.25	0.50		
HD46B1CAA	46B	11/12/1999	SOIL GRID	0.50	1.00		
HD46B2AAA	46B	11/12/1999	SOIL GRID	0.00	0.25		
HD46B2BAA	46B	11/12/1999	SOIL GRID	0.25	0.50		
HD46B2CAA	46B	11/12/1999	SOIL GRID	0.50	1.00		
HD46B3AAA	46B	11/12/1999	SOIL GRID	0.00	0.25		
HD46B3BAA	46B	11/12/1999	SOIL GRID	0.25	0.50		
HD46B3CAA	46B	11/12/1999	SOIL GRID	0.50	1.00		
HD46B4AAA	46B	11/12/1999	SOIL GRID	0.00	0.25		
HD46B4BAA	46B	11/12/1999	SOIL GRID	0.25	0.50		
HD46B4CAA	46B	11/12/1999	SOIL GRID	0.50	1.00		
HD46B5AAA	46B	11/12/1999	SOIL GRID	0.00	0.25		
HD46B5BAA	46B	11/12/1999	SOIL GRID	0.25	0.50		
HD46B5CAA	46B	11/12/1999	SOIL GRID	0.50	1.00		

Profiling methods include: Volatiles and Explosives

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 10/25/99-11/12/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G57DCE	FIELDQC	11/1/1999	FIELDQC	0.00	0.00			8330N	1,3,5-TRINITROBENZENE	NO
PPAWSMW-1	PPAWSMW-1	10/28/1999	GROUNDWATER			10.00	20.00	8330N	1,3,5-TRINITROBENZENE	NO
PPAWSMW-2	PPAWSMW-2	10/28/1999	GROUNDWATER			0.00	10.00	8330N	1,3,5-TRINITROBENZENE	NO
PPAWSPW-1	PPAWSPW-1	10/28/1999	GROUNDWATER			158.00	178.00	8330N	1,3,5-TRINITROBENZENE	NO
PPAWSPW-2	PPAWSPW-2	10/28/1999	GROUNDWATER			85.00	105.00	8330N	1,3,5-TRINITROBENZENE	NO
PPAWSPW-2D	PPAWSPW-2	10/28/1999	GROUNDWATER			85.00	105.00	8330N	1,3,5-TRINITROBENZENE	NO
W34M1D	MW-34	10/25/1999	GROUNDWATER			75.00	85.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W35M2A	MW-35	10/28/1999	GROUNDWATER			14.00	24.00	8330N	1,3,5-TRINITROBENZENE	NO
W65M2A	MW-65	10/28/1999	GROUNDWATER			8.00	13.00	8330N	1,3,5-TRINITROBENZENE	NO
W70M2A	MW-70	10/28/1999	GROUNDWATER			5.00	15.00	8330N	1,3,5-TRINITROBENZENE	NO
W73SSA	MW-73	11/2/1999	GROUNDWATER			0.00	10.00	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
W73SSA	MW-73	11/2/1999	GROUNDWATER			0.00	10.00	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W73SSA	MW-73	11/2/1999	GROUNDWATER			0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W73SSA	MW-73	11/2/1999	GROUNDWATER			0.00	10.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G57DIA	MW-57	11/2/1999	PROFILE	170.00	175.00	82.50	87.50	OC21V	CHLOROFORM	
G57DIA	MW-57	11/2/1999	PROFILE	170.00	175.00	82.50	87.50	OC21V	TETRACHLOROETHYLENE(PCE)	
G57DJA	MW-57	11/2/1999	PROFILE	180.00	185.00	92.50	97.50	OC21V	CHLOROFORM	
G57DKA	MW-57	11/2/1999	PROFILE	190.00	195.00	102.50	107.50	OC21V	CHLOROFORM	
G57DKA	MW-57	11/2/1999	PROFILE	190.00	195.00	102.50	107.50	OC21V	TRICHLOROETHYLENE (TCE)	
G57DLA	MW-57	11/2/1999	PROFILE	200.00	205.00	112.50	117.50	OC21V	CHLOROFORM	
G57DMA	MW-57	11/2/1999	PROFILE	210.00	215.00	122.50	127.50	OC21V	CHLOROFORM	
G57DNA	MW-57	11/3/1999	PROFILE	220.00	225.00	132.50	137.50	OC21V	CHLOROFORM	
G57DOA	MW-57	11/3/1999	PROFILE	230.00	235.00	142.50	147.50	OC21V	CHLOROFORM	
G57DSA	MW-57	11/3/1999	PROFILE	270.00	275.00	182.50	187.50	OC21V	CHLOROFORM	
G57DTA	MW-57	11/4/1999	PROFILE	280.00	285.00	192.50	197.50	OC21V	BROMOCHLOROMETHANE	
G57DUA	MW-57	11/4/1999	PROFILE	290.00	295.00	202.50	207.50	OC21V	CHLOROFORM	
G77MAA	MW-77	11/8/1999	PROFILE	90.00	90.00	5.50	5.50	8330N	1,3,5-TRINITROBENZENE	NO
G77MAA	MW-77	11/8/1999	PROFILE	90.00	90.00	5.50	5.50	8330N	1,3-DINITROBENZENE	NO
G77MAA	MW-77	11/8/1999	PROFILE	90.00	90.00	5.50	5.50	8330N	2,6-DINITROTOLUENE	YES
G77MAA	MW-77	11/8/1999	PROFILE	90.00	90.00	5.50	5.50	8330N	NITROGLYCERIN	NO
G77MAA	MW-77	11/8/1999	PROFILE	90.00	90.00	5.50	5.50	8330N	PENTAERYTHRITOL TETRANITR	NO
G77MAA	MW-77	11/8/1999	PROFILE	90.00	90.00	5.50	5.50	8330N	PICRIC ACID	NO
G77MBA	MW-77	11/8/1999	PROFILE	100.00	100.00	15.50	15.50	8330N	1,3,5-TRINITROBENZENE	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 10/25/99-11/12/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G77MBA	MW-77	11/8/1999	PROFILE	100.00	100.00	15.50	15.50	8330N	1,3-DINITROBENZENE	NO
G77MBA	MW-77	11/8/1999	PROFILE	100.00	100.00	15.50	15.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G77MBA	MW-77	11/8/1999	PROFILE	100.00	100.00	15.50	15.50	8330N	NITROGLYCERIN	NO
G77MCA	MW-77	11/8/1999	PROFILE	110.00	110.00	25.50	25.50	8330N	1,3-DINITROBENZENE	NO
G77MCA	MW-77	11/8/1999	PROFILE	110.00	110.00	25.50	25.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G77MCA	MW-77	11/8/1999	PROFILE	110.00	110.00	25.50	25.50	8330N	NITROGLYCERIN	NO
G77MCA	MW-77	11/8/1999	PROFILE	110.00	110.00	25.50	25.50	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G77MCA	MW-77	11/8/1999	PROFILE	110.00	110.00	25.50	25.50	8330N	PICRIC ACID	NO
G77MDA	MW-77	11/9/1999	PROFILE	120.00	120.00	35.50	35.50	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
G77MDA	MW-77	11/9/1999	PROFILE	120.00	120.00	35.50	35.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G77MDA	MW-77	11/9/1999	PROFILE	120.00	120.00	35.50	35.50	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G77MEA	MW-77	11/9/1999	PROFILE	130.00	130.00	45.50	45.50	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
G77MEA	MW-77	11/9/1999	PROFILE	130.00	130.00	45.50	45.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G77MEA	MW-77	11/9/1999	PROFILE	130.00	130.00	45.50	45.50	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G77MFA	MW-77	11/9/1999	PROFILE	140.00	140.00	55.50	55.50	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
G77MGA	MW-77	11/9/1999	PROFILE	150.00	150.00	65.50	65.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G77MGA	MW-77	11/9/1999	PROFILE	150.00	150.00	65.50	65.50	8330N	NITROGLYCERIN	NO
G77MGA	MW-77	11/9/1999	PROFILE	150.00	150.00	65.50	65.50	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G77MHA	MW-77	11/9/1999	PROFILE	160.00	160.00	75.50	75.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G77MHA	MW-77	11/9/1999	PROFILE	160.00	160.00	75.50	75.50	8330N	NITROGLYCERIN	NO
G77MIA	MW-77	11/9/1999	PROFILE	170.00	170.00	85.50	85.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G77MIA	MW-77	11/9/1999	PROFILE	170.00	170.00	85.50	85.50	8330N	NITROGLYCERIN	NO
G77MKA	MW-77	11/9/1999	PROFILE	190.00	190.00	105.50	105.50	8330N	NITROGLYCERIN	NO
G77MKA	MW-77	11/9/1999	PROFILE	190.00	190.00	105.50	105.50	8330N	PICRIC ACID	NO

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

SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BGS

SED = SAMPLE COLLECTION END DEPTH IN FEET BGS

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

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

PDA/YES = Photo Diode Array, Detect Confirmed

PDA/NO = Photo Diode Array, Detect Not Confirmed