WEEKLY PROGRESS UPDATE
FOR OCTOBER 11 - OCTOBER 15, 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 October 11 to October 15, 1999.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of October 15 is summarized in Table 1.

Table 1. Drilling progress as of October 15, 1999

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-70	Gun and Mortar well (MP-4)	280	153	132-142 257-267
MW-48	LRWS-3 far field well	337	236	
MW-49	LRWS-3 far field well	317	246	

bgs = below ground surface
bwt = below water table

Samples collected during the reporting period are summarized in Table 2. Groundwater sampling continued for the second round of supplemental IRP wells, the second round of the base water supply wells, and the first round of the newly installed wells. Split samples were collected from AFCEE during their sampling of residential wells in the Arnold Road / Raccoon Lane / Old Snake Pond Road neighborhood. Groundwater profile samples were collected from MW-48 and MW-49; locations and drilling status for these wells are indicated in Table 1. Soil samples were collected from the soil borings at the steel-lined pit, and from three grids at GP-16 installed to compare results from the old-style and new-style grid arrangements.

The Guard, EPA, and MADEP had a meeting on October 14 to discuss technical issues, including the following:

- Ogden updated on the status of field activities which included: the demo 1 response wells installation will commence next week; MW-49 (LRWS-3) contacted bedrock and will be ready for screen selection; soil borings at the steel lined pit will commence; soil grids at GP-16 will be collected; residential well sampling at Raccoon Lane and Snake Pond Road were collected on Tuesday; groundwater sampling for Phase I round 3 and newly installed wells continues; and sampling of water supply wells round 2 is ongoing. There was a new detection of RDX at MW-37M2. Ogden stated that the profile results from both MW-37 and MW-40 did not have RDX detected. The results at MW-37 and -40 will need to be incorporated in the Impact Area Response Plan.
- Tetra Tech updated the status of their field activities. They are developing workplans and evaluating subcontractors for the Munitions Survey. There was a discussion of the water bodies selected for the survey; EPA expects to provide a letter Friday regarding these locations.
- The EPA stated that they would send comments on the revised soil sampling plan for VOCs via e-mail.

- Ogden requested that there be a meeting between the EPA, DEP, the Guard, and Ogden to discuss PEP issues. It was agreed that the easy questions will be e-mailed to EPA before the meeting. The meeting was tentatively scheduled for Monday morning via conference call (changed on Friday to 10/21).
- The status of the J3 Range Response Plan was discussed. The Guard stated that according to the groundwater model, the explosive detections in that area are being captured by the FS-12 treatment system and that Textron should do this investigation. EPA stated that the Guard should not wait for Textron's investigation to determine the extent of the contamination. EPA requested maps of forward tracks of DP-8 and DP-9; a figure is needed showing vertical position of the RDX with respect to the wells in that area; the Guard should determine if there is a water supply well on Camp Good News; and the ND results for the other drive point split samples upgradient of Raccoon Lane should be mapped.
- A 1-page handout was distributed showing the update of document status. EPA stated that some of these documents have already been verbally approved in previous Tech meetings. The Guard requested that all approvals be in writing. EPA stated that they would e-mail the approval of the APC pile sampling plan. The Guard will send a revised UXO Detonation Sampling Plan to the agencies for approval.
- The Guard stated that explosives were detected in soil samples from the UXO detonation craters at one of the J range locations and one of the emergency open detonation locations at Demo 2. EPA requested the concentrations. Ogden stated that the concentrations had not been received yet and that they would inform EPA as soon as they are available. Ogden stated that the change pages for the Gun and Mortar FSP will not be available until Monday.
- EPA requested that the J Range sampling plan should include some DU sampling. The Guard suggested that it be done as part of the munitions survey of the J Ranges. EPA suggested that one of the berms on J-1 be knocked down and DU sampling performed. The Guard would like to discuss this at the meeting between Tetra Tech, the Guard, and EPA next week.
- The location of the J Well far field well was discussed. EPA requested at a previous meeting that the well be located as close to the property line as possible to insure the well is down gradient of the abandoned fuel pipeline. Ogden informed the EPA that there are underground utilities located on the south side of Old Greenway Road and that the location of the pipeline was not marked. Ogden will further investigate the location of the pipeline before locating the well.
- EPA asked on the status of the fire break work. The Guard stated that they need to look into it.
- The Guard handed out a UXO disposition table for review.
- Ogden handed out a 1 page map showing the groundwater contours from the July water level measurement round.
- EPA asked about the status of the 95-14 groundwater results. Ogden stated that the analysis is on a standard turn around time (4 weeks).

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 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:

- A quality assurance profile sample from MW-70, and a quality assurance groundwater sample both had detections of PETN, which were not verified with the PDA spectra.
- The groundwater sample from monitoring well MW-37M2 had a detection of RDX, which was verified with the PDA spectra. This was the first round of sampling for this well.
- The groundwater sample from 58MW0002 (CS-19) had detections of RDX, HMX, 2-amino-4,6-dinitrotoluene, and 4-amino-2,6-dinitrotoluene, which were verified with the PDA spectra. These explosives were detected in previous sampling rounds.
- The groundwater sample from 58MW0006E (CS-19) had a detection of RDX, which was verified with the PDA spectra. This explosive was detected in this well in previous sampling rounds.
- The groundwater sample from 58MW0009E (CS-19) had detections of RDX, HMX, and 4-amino-2,6-dinitrotoluene, which were verified with the PDA spectra. These explosives were detected in previous sampling rounds.
- The groundwater sample from 90MW0003 (FS-12) had detections of nitroglycerin, 4-nitrotoluene, 3-nitrotoluene, 2,6-dinitrotoluene, 1,3,5-trinitrobenzene. None of these explosive detections were verified with the PDA spectra.
- The groundwater sample from 90WT0019 (FS-12) had detections of 1,3,5-trinitrobenzene, 3-nitrotoluene, 4-nitrotoluene, and tetryl. None of these explosive detections were verified with the PDA spectra.
- The groundwater sample from 90MW0022 (FS-12) had a detection of RDX, which was verified with the PDA spectra. This explosive was detected during previous sampling rounds.
- The groundwater sample from 90MW0034 (FS-12) had a detection of 2-nitrotoluene, which was not verified with the PDA spectra.
- Groundwater samples from LRWS 1-4 and RW-1 had detections of PETN, which were not verified with the PDA spectra.
- Groundwater profile samples from MW-48 (LRWS-3 far field well) had detections of acetone (1 interval) and chloroform (6 intervals).
- Groundwater profile samples from MW-49 (LRWS-3 far field well) had detections of chloroform (20 intervals), chloromethane (1 interval), toluene (2 intervals), MEK (1 interval), acetone (1 interval), 2,4-dinitrotoluene (1 interval), and nitroglycerin (1 interval). Neither of the explosives detected was verified by the PDA spectra.
- Both the discrete and composite soil samples from the northwest Demo-2 UXO detonation crater had detections of RDX and HMX, which were verified with the PDA spectra.
- The soil sample from HDJRANGED (J Range UXO detonation crater D) had a detection of tetryl, which was verified with the PDA spectra.

3. DELIVERABLES SUBMITTED

Monthly Progress Report #30 (September 1999)	10/10/99
Weekly Progress Update for Oct 4-Oct 8 1999	10/13/99

4. SCHEDULED ACTIONS

Scheduled actions for the week of October 18 include completion of drilling at MW-48 and MW-49; commence drilling on MW-49b and MW-56 (J well far field monitoring wells); development and sampling of newly installed wells; and continued ground water sampling of second round of supplemental IRP wells and the second round of the base water supply wells.

TABLE 2
SAMPLING PROGRESS
10/11-10/15

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G48DKT	FIELDQC	10/12/1999	FIELDQC	0.00	0.00		
G48DME	FIELDQC	10/13/1999	FIELDQC	0.00	0.00		
G48DSE	FIELDQC	10/14/1999	FIELDQC	0.00	0.00		
G48DST	FIELDQC	10/14/1999	FIELDQC	0.00	0.00		
G48DXE	FIELDQC	10/15/1999	FIELDQC	0.00	0.00		
G48DXT	FIELDQC	10/15/1999	FIELDQC	0.00	0.00		
G49DME	FIELDQC	10/12/1999	FIELDQC	0.00	0.00		
G49DQT	FIELDQC	10/13/1999	FIELDQC	0.00	0.00		
W82SST	FIELDQC	10/12/1999	FIELDQC	0.00	0.00		
WT711E	FIELDQC	10/11/1999	FIELDQC	0.00	0.00		
WT711T	FIELDQC	10/11/1999	FIELDQC	0.00	0.00		
03MW0006	03MW0006	10/15/1999	GROUNDWATER			0.00	10.00
03MW0022A	03MW0022A	10/14/1999	GROUNDWATER			71.00	76.00
03MW0024A	03MW0024A	10/14/1999	GROUNDWATER			70.00	75.00
03MW0027A	03MW0027A	10/14/1999	GROUNDWATER			64.00	69.00
03MW0048	03MW0048	10/15/1999	GROUNDWATER			52.00	57.00
03MW0070A	03MW0070A	10/14/1999	GROUNDWATER			0.00	0.00
03MW0707	03MW0707	10/14/1999	GROUNDWATER			4.00	14.00
03MW0709	03MW0709	10/14/1999	GROUNDWATER			7.00	17.00
03MW0709D	03MW0709	10/14/1999	GROUNDWATER			7.00	17.00
15MW0002	15MW0002	10/11/1999	GROUNDWATER			0.00	10.00
15MW0004	15MW0004	10/11/1999	GROUNDWATER			0.00	10.00
15MW0008	15MW0008	10/11/1999	GROUNDWATER			0.00	0.00
15MW0009	15MW0009	10/11/1999	GROUNDWATER			0.00	0.00
15WT0007	15WT0007	10/12/1999	GROUNDWATER			0.00	0.00
27MW0012A	27MW0012A	10/15/1999	GROUNDWATER			69.00	74.00
27MW0017A	27MW0017A	10/15/1999	GROUNDWATER			65.00	70.00
27MW0020Z	27MW0020Z	10/15/1999	GROUNDWATER			98.00	103.00
27MW702	27MW702	10/15/1999	GROUNDWATER			0.00	10.00
CEMETERY1	CEMETERY1	10/14/1999	GROUNDWATER				
CEMETERY2	CEMETERY2	10/14/1999	GROUNDWATER				
CEMETERY2D	CEMETERY2D	10/14/1999	GROUNDWATER				
RANGECON	RANGECON	10/14/1999	GROUNDWATER				
TEXTRON-PW1	TEXTRON-PW1	10/15/1999	GROUNDWATER				
W81DDA	MW-81	10/12/1999	GROUNDWATER			155.00	165.00
W81M1A	MW-81	10/13/1999	GROUNDWATER			99.00	109.00
W81M2A	MW-81	10/12/1999	GROUNDWATER			54.00	64.00
W81M3A	MW-81	10/13/1999	GROUNDWATER			24.00	29.00
W81SSA	MW-81	10/12/1999	GROUNDWATER			0.00	10.00
W82DDA	MW-82	10/13/1999	GROUNDWATER			96.00	106.00
W82M1A	MW-82	10/13/1999	GROUNDWATER			75.00	85.00
W82M2A	MW-82	10/12/1999	GROUNDWATER			49.00	59.00
W82M3A	MW-82	10/12/1999	GROUNDWATER			25.00	35.00
W82SSA	MW-82	10/12/1999	GROUNDWATER			0.00	10.00
W83DDA	MW-83	10/12/1999	GROUNDWATER			105.00	115.00
W83M1A	MW-83	10/13/1999	GROUNDWATER			73.00	83.00
W83M2A	MW-83	10/13/1999	GROUNDWATER			48.00	58.00
W83M3A	MW-83	10/13/1999	GROUNDWATER			23.00	33.00

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
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SAMPLING PROGRESS
10/11-10/15

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W83SSA	MW-83	10/14/1999	GROUNDWATER			0.00	10.00
WF13XA	90WT0013	10/11/1999	GROUNDWATER			2.00	12.00
WT04XA	90WT0004	10/11/1999	GROUNDWATER			3.00	13.00
WT711A	15WT0711	10/11/1999	GROUNDWATER			5.00	15.00
WT712A	15WT0712	10/11/1999	GROUNDWATER			5.00	15.00
WT712D	15WT0712	10/11/1999	GROUNDWATER			0.00	0.00
GAC4812	GAC WATER	10/12/1999	IDW	0.00	0.00		
GAC4813	GAC WATER	10/13/1999	IDW	0.00	0.00		
GAC4814	GAC WATER	10/14/1999	IDW	0.00	0.00		
GAC4912	GAC WATER	10/12/1999	IDW	0.00	0.00		
GAC4913	GAC WATER	10/13/1999	IDW	0.00	0.00		
RS0003ARND	3 Arnold Rd.	10/12/1999	OTHER	0.00	0.00		
RS0003RAC	3 Raccoon Lane	10/12/1999	OTHER	0.00	0.00		
RS0004OSNK	4 Old Snake Pon	10/12/1999	OTHER	0.00	0.00		
RS0006OSNK	6 Old Snake Pon	10/12/1999	OTHER	0.00	0.00		
RS0011OSNK	11 Old Snake Po	10/12/1999	OTHER	0.00	0.00		
RS0012OSNK	12 Old Snake Po	10/12/1999	OTHER	0.00	0.00		
RS0014ARND	14 Arnold Rd.	10/12/1999	OTHER	0.00	0.00		
RS0015ARND	15 Arnold Rd.	10/12/1999	OTHER	0.00	0.00		
RS0018OSNK	18 Old Snake Po	10/12/1999	OTHER	0.00	0.00		
RS0024ARND	24 Arnold Rd.	10/13/1999	OTHER	0.00	0.00		
RS0033ARND	33 Arnold Rd.	10/12/1999	OTHER	0.00	0.00		
RS0034ARND	34 Arnold Rd.	10/12/1999	OTHER	0.00	0.00		
RS0036ARND	36 Arnold Rd.	10/12/1999	OTHER	0.00	0.00		
RS0039ARND	39 Arnold Rd.	10/12/1999	OTHER	0.00	0.00		
RS0040ARND	40 Arnold Rd.	10/15/1999	OTHER	0.00	0.00		
G48DHA	MW-48	10/12/1999	PROFILE	170.00	175.00	68.50	73.50
G48DHD	MW-48	10/12/1999	PROFILE	170.00	175.00	68.50	73.50
G48DIA	MW-48	10/12/1999	PROFILE	180.00	185.00	78.50	83.50
G48DJA	MW-48	10/12/1999	PROFILE	190.00	195.00	88.50	93.50
G48DKA	MW-48	10/12/1999	PROFILE	200.00	205.00	98.50	103.50
G48DLA	MW-48	10/12/1999	PROFILE	210.00	215.00	108.50	113.50
G48DMA	MW-48	10/13/1999	PROFILE	220.00	225.00	118.50	123.50
G48DNA	MW-48	10/13/1999	PROFILE	230.00	235.00	128.50	133.50
G48DOA	MW-48	10/13/1999	PROFILE	240.00	245.00	138.50	143.50
G48DPA	MW-48	10/13/1999	PROFILE	250.00	255.00	148.50	153.50
G48DQA	MW-48	10/13/1999	PROFILE	260.00	265.00	158.50	163.50
G48DRA	MW-48	10/13/1999	PROFILE	270.00	275.00	168.50	173.50
G48DSA	MW-48	10/14/1999	PROFILE	280.00	285.00	178.50	183.50
G48DSD	MW-48	10/14/1999	PROFILE	280.00	285.00	178.50	183.50
G48DTA	MW-48	10/14/1999	PROFILE	290.00	295.00	188.50	193.50
G48DUA	MW-48	10/14/1999	PROFILE	300.00	305.00	198.50	203.50
G48DVA	MW-48	10/14/1999	PROFILE	310.00	315.00	208.50	213.50
G48DWA	MW-48	10/14/1999	PROFILE	320.00	325.00	218.50	223.50
G48DXA	MW-48	10/15/1999	PROFILE	330.00	335.00	228.50	233.50
G49DMA	MW-49	10/12/1999	PROFILE	190.00	195.00	119.50	124.50
G49DNA	MW-49	10/12/1999	PROFILE	200.00	205.00	129.50	134.50
G49DOA	MW-49	10/12/1999	PROFILE	210.00	215.00	139.50	144.50
G49DPA	MW-49	10/12/1999	PROFILE	220.00	225.00	149.50	154.50

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10/11-10/15

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G49DQA	MW-49	10/12/1999	PROFILE	230.00	235.00	159.50	164.50
G49DRA	MW-49	10/13/1999	PROFILE	240.00	245.00	169.50	174.50
G49DRD	MW-49	10/13/1999	PROFILE	240.00	245.00	169.50	174.50
G49DSA	MW-49	10/13/1999	PROFILE	250.00	255.00	179.50	184.50
G49DTA	MW-49	10/13/1999	PROFILE	260.00	265.00	189.50	194.50
G49DUA	MW-49	10/13/1999	PROFILE	270.00	275.00	199.50	204.50
G49DVA	MW-49	10/13/1999	PROFILE	280.00	285.00	209.50	214.50
G49DWA	MW-49	10/13/1999	PROFILE	290.00	295.00	219.50	224.50
G49DXA	MW-49	10/13/1999	PROFILE	300.00	305.00	229.50	234.50
G49DYA	MW-49	10/14/1999	PROFILE	307.00	312.00	236.50	241.50
AC5CA1AAA	AC5CA1AAA	10/14/1999	SOIL GRID	0.25	0.35		
AC5CA1BAA	AC5CA1BAA	10/14/1999	SOIL GRID	0.35	0.40		
AC5CA1CAA	AC5CA1CAA	10/14/1999	SOIL GRID	0.40	0.50		
AC5DA1AAA	AC5DA1AAA	10/14/1999	SOIL GRID	0.25	0.35		
AC5DA1BAA	AC5DA1BAA	10/14/1999	SOIL GRID	0.35	0.40		
AC5DA1CAA	AC5DA1CAA	10/14/1999	SOIL GRID	0.40	0.50		
HCGHM1AAA	HCGHM1AAA	10/15/1999	SOIL GRID	0.00	0.50		
HCGHM1BAA	HCGHM1BAA	10/15/1999	SOIL GRID	1.50	2.00		
HCGHO1AAA	HCGHO1AAA	10/15/1999	SOIL GRID	0.00	0.50		
HCGHO1BAA	HCGHO1BAA	10/15/1999	SOIL GRID	1.50	2.00		
HCGHP1AAA	HCGHP1AAA	10/15/1999	SOIL GRID	0.00	0.50		
HCGHP1BAA	HCGHP1BAA	10/15/1999	SOIL GRID	1.50	2.00		
HDGHO1AAA	HDGHO1AAA	10/15/1999	SOIL GRID	0.00	0.50		
HDGHO1BAA	HDGHO1BAA	10/15/1999	SOIL GRID	1.50	2.00		
HDGHO2AAA	HDGHO2AAA	10/15/1999	SOIL GRID	0.00	0.50		
HDGHO2BAA	HDGHO2BAA	10/15/1999	SOIL GRID	1.50	2.00		
HDGHO3AAA	HDGHO3AAA	10/15/1999	SOIL GRID	0.00	0.50		
HDGHO3BAA	HDGHO3BAA	10/15/1999	SOIL GRID	1.50	2.00		
HDGHO4AAA	HDGHO4AAA	10/15/1999	SOIL GRID	0.00	0.50		
HDGHO4BAA	HDGHO4BAA	10/15/1999	SOIL GRID	1.50	2.00		
HDGHO5AAA	HDGHO5AAA	10/15/1999	SOIL GRID	0.00	0.50		
HDGHO5AAD	HDGHO5AA	10/15/1999	SOIL GRID	0.00	0.50		
HDGHO5BAA	HDGHO5BAA	10/15/1999	SOIL GRID	1.50	2.00		
HDGHP1AAA	HDGHP1AAA	10/15/1999	SOIL GRID	0.00	0.50		
HDGHP1BAA	HDGHP1BAA	10/15/1999	SOIL GRID	1.50	2.00		
HDGHP2AAA	HDGHP2AAA	10/15/1999	SOIL GRID	0.00	0.50		
HDGHP2BAA	HDGHP2BAA	10/15/1999	SOIL GRID	1.50	2.00		
HDGHP3AAA	HDGHP3AAA	10/15/1999	SOIL GRID	0.00	0.50		
HDGHP3BAA	HDGHP3BAA	10/15/1999	SOIL GRID	1.50	2.00		
HDGHP4AAA	HDGHP4AAA	10/15/1999	SOIL GRID	0.00	0.50		
HDGHP4BAA	HDGHP4BAA	10/15/1999	SOIL GRID	1.50	2.00		
HDGHP5AAA	HDGHP5AAA	10/15/1999	SOIL GRID	0.00	0.50		
HDGHP5BAA	HDGHP5BAA	10/15/1999	SOIL GRID	1.50	2.00		

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 9/27/99-10/15/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G70DME	FIELDQC	10/6/1999	FIELDQC	0.00	0.00			8330N	PENTAERYTHRITOL TETRANITR	NO
WL28XE	FIELDQC	10/6/1999	FIELDQC	0.00	0.00			8330N	PENTAERYTHRITOL TETRANITR	NO
W37M2A	MW-37	9/29/1999	GROUNDWATER			28.00	38.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
WC2XXA	58MW0002	10/8/1999	GROUNDWATER			25.00	30.00	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
WC2XXA	58MW0002	10/8/1999	GROUNDWATER			25.00	30.00	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
WC2XXA	58MW0002	10/8/1999	GROUNDWATER			25.00	30.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
WC2XXA	58MW0002	10/8/1999	GROUNDWATER			25.00	30.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITF	YES
WC6EXA	58MW0006E	10/8/1999	GROUNDWATER			0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
WC9EXA	58MW0009E	9/28/1999	GROUNDWATER			21.00	26.00	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
WC9EXA	58MW0009E	9/28/1999	GROUNDWATER			21.00	26.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
WC9EXA	58MW0009E	9/28/1999	GROUNDWATER			21.00	26.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITF	YES
WC9EXD	58MW0009E	9/28/1999	GROUNDWATER			21.00	26.00	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
WC9EXD	58MW0009E	9/28/1999	GROUNDWATER			21.00	26.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
WC9EXD	58MW0009E	9/28/1999	GROUNDWATER			21.00	26.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITF	YES
WF03MA	90MW0003	10/7/1999	GROUNDWATER			60.00	65.00	8330N	1,3,5-TRINITROBENZENE	NO
WF03MA	90MW0003	10/7/1999	GROUNDWATER			60.00	65.00	8330N	2,6-DINITROTOLUENE	NO
WF03MA	90MW0003	10/7/1999	GROUNDWATER			60.00	65.00	8330N	3-NITROTOLUENE	NO
WF03MA	90MW0003	10/7/1999	GROUNDWATER			60.00	65.00	8330N	4-NITROTOLUENE	NO
WF03MA	90MW0003	10/7/1999	GROUNDWATER			60.00	65.00	8330N	NITROGLYCERIN	NO
WF19XA	90WT0019	10/7/1999	GROUNDWATER			94.00	104.00	8330N	1,3,5-TRINITROBENZENE	NO
WF19XA	90WT0019	10/7/1999	GROUNDWATER			94.00	104.00	8330N	3-NITROTOLUENE	NO
WF19XA	90WT0019	10/7/1999	GROUNDWATER			94.00	104.00	8330N	4-NITROTOLUENE	NO
WF19XA	90WT0019	10/7/1999	GROUNDWATER			94.00	104.00	8330N	TETRYL	NO
WF22XA	90MW0022	9/30/1999	GROUNDWATER			80.00	85.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
WF34XA	90MW0034	10/7/1999	GROUNDWATER			94.00	99.00	8330N	2-NITROTOLUENE	NO
WL14XA	LRWS1-4	10/6/1999	GROUNDWATER			107.00	117.00	8330N	PENTAERYTHRITOL TETRANITR	NO
WRW1XA	RW-1	10/6/1999	GROUNDWATER			0.00	9.00	8330N	PENTAERYTHRITOL TETRANITR	NO
WRW1XD	RW-1	10/6/1999	GROUNDWATER			0.00	9.00	8330N	PENTAERYTHRITOL TETRANITR	NO
G48DAA	MW-48	10/8/1999	PROFILE	100.00	105.00	-1.50	3.50	OC21V	ACETONE	
G48DAA	MW-48	10/8/1999	PROFILE	100.00	105.00	-1.50	3.50	OC21V	CHLOROFORM	
G48DBA	MW-48	10/8/1999	PROFILE	110.00	115.00	8.50	13.50	OC21V	CHLOROFORM	
G48DCA	MW-48	10/8/1999	PROFILE	120.00	125.00	18.50	23.50	OC21V	CHLOROFORM	
G48DDA	MW-48	10/8/1999	PROFILE	130.00	135.00	28.50	33.50	OC21V	CHLOROFORM	

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 9/27/99-10/15/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G48DEA	MW-48	10/8/1999	PROFILE	140.00	145.00	38.50	43.50	OC21V	CHLOROFORM	
G48DFA	MW-48	10/8/1999	PROFILE	150.00	155.00	48.50	53.50	OC21V	CHLOROFORM	
G49DAA	MW-49	10/7/1999	PROFILE	71.00	74.00	0.50	3.50	8330N	2,4-DINITROTOLUENE	NO
G49DAA	MW-49	10/7/1999	PROFILE	71.00	74.00	0.50	3.50	8330N	NITROGLYCERIN	NO
G49DAA	MW-49	10/7/1999	PROFILE	71.00	74.00	0.50	3.50	OC21V	ACETONE	
G49DAA	MW-49	10/7/1999	PROFILE	71.00	74.00	0.50	3.50	OC21V	CHLOROFORM	
G49DAA	MW-49	10/7/1999	PROFILE	71.00	74.00	0.50	3.50	OC21V	METHYL ETHYL KETONE (2-BUT/	
G49DAA	MW-49	10/7/1999	PROFILE	71.00	74.00	0.50	3.50	OC21V	TOLUENE	
G49DBA	MW-49	10/7/1999	PROFILE	80.00	85.00	9.50	14.50	OC21V	CHLOROFORM	
G49DCA	MW-49	10/7/1999	PROFILE	90.00	95.00	19.50	24.50	OC21V	CHLOROFORM	
G49DDA	MW-49	10/7/1999	PROFILE	100.00	105.00	29.50	34.50	OC21V	CHLOROFORM	
G49DEA	MW-49	10/7/1999	PROFILE	110.00	115.00	39.50	44.50	OC21V	CHLOROFORM	
G49DFA	MW-49	10/7/1999	PROFILE	120.00	125.00	49.50	54.50	OC21V	CHLOROFORM	
G49DGA	MW-49	10/7/1999	PROFILE	130.00	135.00	59.50	64.50	OC21V	CHLOROFORM	
G49DKA	MW-49	10/8/1999	PROFILE	170.00	175.00	99.50	104.50	OC21V	CHLOROFORM	
G49DMA	MW-49	10/12/1999	PROFILE	190.00	195.00	119.50	124.50	OC21V	CHLOROFORM	
G49DNA	MW-49	10/12/1999	PROFILE	200.00	205.00	129.50	134.50	OC21V	CHLOROFORM	
G49DOA	MW-49	10/12/1999	PROFILE	210.00	215.00	139.50	144.50	OC21V	CHLOROFORM	
G49DOA	MW-49	10/12/1999	PROFILE	210.00	215.00	139.50	144.50	OC21V	TOLUENE	
G49DPA	MW-49	10/12/1999	PROFILE	220.00	225.00	149.50	154.50	OC21V	CHLOROFORM	
G49DQA	MW-49	10/12/1999	PROFILE	230.00	235.00	159.50	164.50	OC21V	CHLOROFORM	
G49DRA	MW-49	10/13/1999	PROFILE	240.00	245.00	169.50	174.50	OC21V	CHLOROFORM	
G49DSA	MW-49	10/13/1999	PROFILE	250.00	255.00	179.50	184.50	OC21V	CHLOROFORM	
G49DSA	MW-49	10/13/1999	PROFILE	250.00	255.00	179.50	184.50	OC21V	CHLOROMETHANE	
G49DTA	MW-49	10/13/1999	PROFILE	260.00	265.00	189.50	194.50	OC21V	CHLOROFORM	
G49DUA	MW-49	10/13/1999	PROFILE	270.00	275.00	199.50	204.50	OC21V	CHLOROFORM	
G49DVA	MW-49	10/13/1999	PROFILE	280.00	285.00	209.50	214.50	OC21V	CHLOROFORM	
G49DWA	MW-49	10/13/1999	PROFILE	290.00	295.00	219.50	224.50	OC21V	CHLOROFORM	
G49DXA	MW-49	10/13/1999	PROFILE	300.00	305.00	229.50	234.50	OC21V	CHLOROFORM	
G70DJD	MW-70	10/5/1999	PROFILE	220.00	220.00	93.00	93.00	8330N	PENTAERYTHRITOL TETRANITR	NO
HCDEMO2NW	HCDEMO2NW	10/4/1999	SOIL BORING					8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
HCDEMO2NW	HCDEMO2NW	10/4/1999	SOIL BORING					8330N	OCTAHYDRO-1,3,5,7-TETRANITF	YES
HDDEMO2NW	HDDEMO2NW	10/4/1999	SOIL BORING					8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES

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DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 9/27/99-10/15/99

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
HDDEMO2NW	HDDEMO2NW	10/4/1999	SOIL BORING					8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
HDJRANGED	HDJRANGED	9/30/1999	SOIL BORING	0.00	3.00			8330N	TETRYL	YES

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