WEEKLY PROGRESS UPDATE
FOR APRIL 7 – APRIL 11, 2003

EPA REGION I ADMINISTRATIVE ORDERS SDWA 1-97-1019, 1-2000-0014, & BOURNE-BWSC 4-15031

MASSACHUSETTS MILITARY RESERVATION
TRAINING RANGE AND IMPACT AREA

The following summary of progress is for the period from April 7 through April 11, 2003.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of April 11 is summarized in Table 1.

Table 1. Drilling progress as of April 11, 2003

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-100	Central Impact Area (CIAP-30)	310	172	
MW-265	J-1 Range (J1P-16)	212	186	200-210; 225-235; 265-275
MW-266	Central Impact Area (CIAP-27)	323	174	

bgs = below ground surface
bwt = below water table

Completed well installation of MW-265 (J1P-16), completed drilling of MW-266 (CIAP-27), and continued drilling of MW-100 (CIAP-30). Well development continued for newly installed wells.

Samples collected during the reporting period are summarized in Table 2. Groundwater profile samples were collected from MW-100 and MW-266. Groundwater samples were collected from Bourne water supply and monitoring wells, recently installed wells, a residential well, USGS wells at the Bourne Bridge, and as part of the April Long-Term Groundwater Monitoring Plan. Influent and effluent water samples were collected as part of the pilot study being conducted at MW-80. Soil samples were collected from Gun Position 15. Soil cutting samples were collected from Central Impact Area wells.

The following are notes from the April 10, 2003 Technical Team meeting of the Impact Area Groundwater Study Program office at Camp Edwards:

Participants

MAJ Bill Myer (IAGWSPO)	Bill Gallagher (IAGWSPO)	LTC Bill FitzPatrick (E&RC)
Todd Borci (EPA-phone)	Meghan Cassidy (EPA-phone)	Desiree Moyer (EPA)
Jane Dolan (EPA)	Bob Lim (EPA)	Len Pinaud (MADEP)
Mark Panni (MADEP)	Dave Williams (MDPH)	Gina Kaso (ACE)
Ed Wise (ACE)	Heather Sullivan (ACE)	Don Wood (ACE)
Shelia Holt (ACE)	Katrazyna Chelkowska (ACE)	Marc Grant (AMEC-phone)
Herb Colby (AMEC-phone)	Kim Harriz (AMEC)	Dick Skryness (ECC)
Larry Panell (Jacobs)	Mike Goydas (Jacobs)	Carla Buriks (Tetra Tech)

Punchlist Items

#5 Provide RoE for NWP-1 (Corps). One of three Corps offices have approved RoE request. Obtaining access usually takes several weeks.

#10 Provide well construction details for Bourne Braves irrigation well and consider sampling (IAGWSPO). Figure was distributed showing location of baseball field well relative to particle tracks from MW-223 (Former A Range) and 95-6B. The IAGWSPO wants to obtain results from Bourne Bridge wells before considering sampling of this irrigation well.

#11 Provide sampling date for USGS Bourne Bridge wells (Corps). Attempting to sample on 4/10.

#14 Review Demo 1 MW-258 chromatogram for traces of RDX (Corps). The chromatograms were reviewed by the AMEC validation team, no peaks were identified that would be indicative of trace RDX levels.

ASR Update

Carla Buriks (Tetra Tech) provided an update on ASR Activities completed in March and scheduled for April, noting that in general activities were being wrapped up.

- Draft ASR GIS Data Archive was sent to AMEC and Corps to prepare for integration of the system with other data archive elements for eventual transfer to the IAGWSPO server. Final version will be provided after any EPA/MADEP comments/updates are incorporated.
- 104(e) Tracking Table is being updated and will be provided for IAGWSPO review shortly.
- Jane Dolan (EPA) requested that EPA be allowed to review the list that specifies the order that the remaining 10 witnesses would be interviewed.

MSP3 and Southeast Ranges Update

Gina Kaso (ACE) provided an update on the MSP3 task and SE Ranges fieldwork.

Ox Pond – Fieldwork completed.

Gun&Mortar – Fieldwork completed.

Former Demo sites (Inactive Demo sites) – Fieldwork completed.

ASP – All fieldwork was completed. Tetra Tech is compiling data. Sample still to be collected from soil under the 105mm cartridge casings when this area dries out. Ms. Kaso to provide Todd Borci (EPA) with completion date for fieldwork and date when data will be provided.

NBC Area – Geophysical survey figures were provided to the agencies on 3/20. Figures to be discussed by conference call at 11:00 on Friday, 4/11.

J-3 Range Hillside/Barrage Rocket Sites. Operations continue. Crews completed surveying in transects at Barrage Rocket site and will continue with surface clearance, grubbing and the Schonstedt survey once the Hillside work is completed. Schonstedt survey of the Hillside site continues. Ms. Kaso to provide a completion date.

- To Mr. Borci's inquiry, Ms. Kaso stated that the Corps and IAGWSPO were scheduling a meeting to discuss EPA comments on the G&M and ASP workplans and would prepare an RCL in accordance with the dates specified in the disapproval letters. Based on the comments provided, the IAGWSPO and Corps did not agree with the disapproval of the Workplans.

ROA Status and Monitor Well Schedule

Heather Sullivan (ACE) provided an overview of the drilling schedule for wells and status of ROAs, distributing a one-page drill rig schedule and three-page ROA status table.

- Rig #2 is drilling at CIAP-27; Rig #3 is at CIAP-30; and Rig #4 is setting wells at J1P-16.
- ROA for activities to be conducted at Frank Perkins Road (installation of extraction and injection wells and pipeline construction) was submitted to Karen Wilson (IAGWSPO) for review. ROAs for Northwest Corner wells were also submitted. Ms. Wilson and Dr. Sue

Goodfellow will likely be able to approve the Canal View road locations without submitting to SHPO/NH because of minimal requirements for ground disturbance. However, the ROA for NWP-1, which is located off the base in a parking lot, will be submitted to SHPO with a letter requesting expedience for the review.

Northwest Corner of Camp Edwards

Bill Gallagher (IAGWSPO) gave an update on the Northwest Corner investigation.

- Northwest Corner area monitoring wells that had been sampled in the past include: 95-15A, 95-15C, 95-6A, 95-6B, and 95-6ES. Well 95-15B was sampled last month. An attempt is being made today to sample the USGS Bourne Bridge wells; their condition is unknown.
- The IAGWSPO has decided to wait on pursuing sampling of the Bourne Braves irrigation well pending sampling results from the Bourne Bridge wells.
- Foretop Road residents have not responded to date to a letter sent out requesting information on any existing wells potentially located in this area. A response card was included with the inquiry. Tina Dolen (IAGWSPO) will contact property owners by phone if a response is not received within 2 weeks.
- The Bourne Recreation Manager was scheduled to discuss drilling of NWP-1 with the Board last night. No problems in approval were seen as likely, since the well is to be located on Corps property.

Bourne Update

Bill Gallagher (IAGWSPO) gave an update on activities related to the Bourne investigation.

- Bourne meetings were to be held every three weeks. The IAGWSPO would like to change the schedule to monthly if the agencies concur.
- Monthly and weekly groundwater monitoring continues; no new significant findings were noted in this weeks results.
- Drilling of BP-2 should commence this week.
- One-week extension had been requested to discuss the Bourne Response Plan MOR.
- The BWD is working with AMEC to obtain permission from NSTAR to drill wells on the NSTAR easement pursuant to permitting Base Water Supply Well WS-4.
- The MW-80 Pilot Study is running smoothly. Upon MADEP approval, two tanks of effluent water that were non detect for perchlorate have been discharged. Ms. Sullivan to provide data to EPA. Study is expected to be completed by 4/18, slightly ahead of schedule.

Miscellaneous

- Gina Kaso stated the Corps has requested an inventory of items remaining for CDC destruction. Based on this inventory and in consideration of other field activities (such as the Demo 1 field work) the Corps would evaluate what would be the most efficient time to remob the CDC to MMR. Ms. Kaso to provide an update on the anticipated schedule and the status of the white paper addressing alternative disposal options for the 20mm rounds next week. The immediate plan for the destruction of the 20mm rounds is in the CDC.
- In response to Mr. Borci's inquiry, LTC FitzPatrick explained that area A-4 was the priority site for the Controlled Burn; with 3 other areas listed as alternative sites as explained in a memo sent to the IAGWSPO 6-7 weeks ago. Mr. Borci requested the list of alternative sites.

2. SUMMARY OF DATA RECEIVED

Rush data are summarized in Table 3. These data are for analyses that are performed on a fast turn around time, typically 1-5 days. Explosive analyses for monitoring wells, and explosive and volatile organic compound (VOC) analyses for groundwater profile samples, are conducted in this timeframe, as well as any analyses pursuant to a special request. 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 explosive 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 or perchlorate. Most explosive detections verified by PDA are confirmed to be present upon completion of validation. Table 3 includes the following detections:

Table 3 includes detections from the following areas:

Bourne Area

- Groundwater samples from 02-07M3 and 02-09M1, M2 had detections of perchlorate. The results were similar to the previous sampling rounds.
- Groundwater samples from 02-09M1, M2, and S had detections of chloroform.
- Influent samples from a pilot study at MW-80M1 had detections of perchlorate that were similar to the previous sampling rounds at this well.

Central Impact Area

- Profile results from MW-266 (CIAP-27) had no detections of explosives that were confirmed by PDA spectra. Well screens were set at the depth (90 to 100 ft bwt) at which the particle track from MW-205M1 intersects the MW-266 and at the depth (158 to 168 ft bwt) corresponding to the perchlorate detection in the J1P-16 profile samples.

Demo Area 1

- Groundwater samples from MW-255M2 had a detection of perchlorate. This is the first sampling event and the results were consistent with the profile results.

DELIVERABLES SUBMITTED

Final Central Impact Area Groundwater Post-Screening Investigation	04/09/2003
Monthly Progress Report #72 for March 2003	04/09/2003
Weekly Progress Update for March 31 – April 4, 2003	04/09/2003

3. SCHEDULED ACTIONS

Scheduled actions for the week of April 14 include complete well installation of MW-266 (CIAP-27), commence well installation at MW-100 (CIAP-30), and commence drilling at BP-2 and BP-5. Groundwater sampling at Bourne water supply and monitoring wells, at newly installed wells, and as part of the April Long-Term Groundwater Monitoring Plan will continue. Surface water sampling at Snake Pond will commence.

4. SUMMARY OF ACTIVITIES FOR DEMO AREA 1

Pumping and treating groundwater near the toe of the Demo Area 1 plume and at Frank Perkins Road has been selected as an Interim Action to address the Demo Area 1 Groundwater Operable Unit. The resolution meeting for the Demo Area 1 Groundwater RRA/RAM Plan was continued on April 10, 2003. EPA and MADEP comments on the Soil RRA/RAM Plan were received on April 1, 2003 and responses are being developed.

TABLE 2
SAMPLING PROGRESS
04/05/2003 - 04/12/2003

OGDEN_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
97-2D-E	FIELDQC	04/07/2003	FIELDQC	0	0		
G100DPE	FIELDQC	04/08/2003	FIELDQC	0	0		
G266DKE	FIELDQC	04/07/2003	FIELDQC	0	0		
G266DQE	FIELDQC	04/09/2003	FIELDQC	0	0		
HC64E1AAE	FIELDQC	04/10/2003	FIELDQC	0	0		
HC64G1AAE	FIELDQC	04/11/2003	FIELDQC	0	0		
SC20302E	FIELDQC	04/09/2003	FIELDQC	0	0		
SC24402T	FIELDQC	04/09/2003	FIELDQC	0	0		
SC25602E	FIELDQC	04/08/2003	FIELDQC	0	0		
W02-09M1T	FIELDQC	04/07/2003	FIELDQC	0	0		
W253M1T	FIELDQC	04/10/2003	FIELDQC	0	0		
4036000-01G-A	4036000-01G	04/08/2003	GROUNDWATER	38	69.8	6	12
4036000-03G-A	4036000-03G	04/08/2003	GROUNDWATER	50	60	6	12
4036000-04G-A	4036000-04G	04/08/2003	GROUNDWATER	54.6	64.6	6	12
4036000-06G-A	4036000-06G	04/08/2003	GROUNDWATER	108	128	6	12
97-2D-A	97-2	04/07/2003	GROUNDWATER	115.4	115.4	82.9	82.9
BHW216-A	BHW-216	04/10/2003	GROUNDWATER		94		
BHW217-A	BHW-217	04/10/2003	GROUNDWATER		75		
BHW218-A	BHW-218	04/10/2003	GROUNDWATER		58		
BHW220-A	BHW-220	04/11/2003	GROUNDWATER		22		
RS011SNK-A	RS0011	04/09/2003	GROUNDWATER				
RS011SNK-D	RS0011	04/09/2003	GROUNDWATER				
W02-12M1A	02-12	04/08/2003	GROUNDWATER	109	119	58.35	68.35
W02-12M2A	02-12	04/08/2003	GROUNDWATER	94	104	43.21	53.21
W02-12M2D	02-12	04/08/2003	GROUNDWATER	94	104	43.21	53.21
W02-12M3A	02-12	04/08/2003	GROUNDWATER	79	89	28.22	38.22
W02-13M1A	02-13	04/08/2003	GROUNDWATER	98	108	58.33	68.33
W02-13M2A	02-13	04/08/2003	GROUNDWATER	83	93	44.2	54.2
W02-13M3A	02-13	04/08/2003	GROUNDWATER	68	78	28.3	38.3
W107M1A	MW-107	04/08/2003	GROUNDWATER	155	165	35	45
W107M2A	MW-107	04/09/2003	GROUNDWATER	125	135	5	15
W111M1A	MW-111	04/10/2003	GROUNDWATER	224	234	92	102
W111M2A	MW-111	04/10/2003	GROUNDWATER	182	192	50	60
W111M3A	MW-111	04/10/2003	GROUNDWATER	165	175	33	43

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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OGDEN_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
W115M1A	MW-115	04/11/2003	GROUNDWATER	138	148	22	32
W115SSA	MW-115	04/11/2003	GROUNDWATER	116	126	0	10
W123M1A	MW-123	04/08/2003	GROUNDWATER	291	301	153	163
W123M2A	MW-123	04/08/2003	GROUNDWATER	236	246	98	108
W133M1A	MW-133	04/08/2003	GROUNDWATER	352	362	136	146
W133M2A	MW-133	04/08/2003	GROUNDWATER	321	331	105	115
W134M1A	MW-134	04/09/2003	GROUNDWATER	250	260	105	115
W134M2A	MW-134	04/09/2003	GROUNDWATER	170	180	25	35
W135M1A	MW-135	04/09/2003	GROUNDWATER	319	329	133	143
W135M2A	MW-135	04/09/2003	GROUNDWATER	280	290	94	104
W135M3A	MW-135	04/10/2003	GROUNDWATER	239	249	53	63
W135M3D	MW-135	04/10/2003	GROUNDWATER	239	249	53	63
W138M1A	MW-138	04/11/2003	GROUNDWATER	253	263	132	142
W138M2A	MW-138	04/11/2003	GROUNDWATER	151	161	30	40
W138M3A	MW-138	04/11/2003	GROUNDWATER	135	145	14	24
W142M2A	MW-142	04/10/2003	GROUNDWATER	140	150	100	110
W142M2A-QA	MW-142	04/10/2003	GROUNDWATER	140	150	100	110
W147M1A	MW-147	04/10/2003	GROUNDWATER	167	177	94	104
W147M1A-QA	MW-147	04/10/2003	GROUNDWATER	167	177	94	104
W147M2A	MW-147	04/10/2003	GROUNDWATER	150	160	77	87
W148M1A	MW-148	04/07/2003	GROUNDWATER	90	100	29	39
W156SSA	MW-156	04/11/2003	GROUNDWATER	77	87	7	17
W23DDA	MW-23	04/07/2003	GROUNDWATER	272	282	149	159
W23M1A	MW-23	04/07/2003	GROUNDWATER	225	235	103	113
W23M2A	MW-23	04/07/2003	GROUNDWATER	189	194	67	72
W23M2D	MW-23	04/07/2003	GROUNDWATER	189	194	67	72
W23M3A	MW-23	04/07/2003	GROUNDWATER	156	161	34	39
W253DDA	MW-253	04/09/2003	GROUNDWATER	305	315	176.83	186.83
W253M1A	MW-253	04/09/2003	GROUNDWATER	265	275	136.72	146.72
W253SSA	MW-253	04/10/2003	GROUNDWATER	127	137	0	10
W256DDA	MW-256	04/09/2003	GROUNDWATER	297	307	168.17	178.17
W256M1A	MW-256	04/09/2003	GROUNDWATER	198	208		
W260M1A	MW-260	04/10/2003	GROUNDWATER	171	181	1.55	11.55
W35M1A	MW-35	04/08/2003	GROUNDWATER	155	165	68	78

Profiling methods include: Volatiles and Explosives
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W35M1A-QA	MW-35	04/08/2003	GROUNDWATER	155	165	68	78
W35M2A	MW-35	04/08/2003	GROUNDWATER	100	110	13	23
W37M1A	MW-37	04/10/2003	GROUNDWATER	181	191	62	72
W37M2A	MW-37	04/10/2003	GROUNDWATER	145	155	26	36
W37M3A	MW-37	04/10/2003	GROUNDWATER	130	140	11	21
W44M1A	MW-44	04/08/2003	GROUNDWATER	182	192	53	63
W44M1D	MW-44	04/08/2003	GROUNDWATER	182	192	53	63
W44M2A	MW-44	04/08/2003	GROUNDWATER	142	152	13	23
W50DDA	MW-50	04/07/2003	GROUNDWATER	237	247	119	129
W50M1A	MW-50	04/07/2003	GROUNDWATER	207	217	89	99
W50M2A	MW-50	04/07/2003	GROUNDWATER	177	187	59	69
W50M3A	MW-50	04/07/2003	GROUNDWATER	147	157	29	39
W86M1A	MW-86	04/11/2003	GROUNDWATER	208	218	66	76
W86M2A	MW-86	04/11/2003	GROUNDWATER	158	168	16	26
W87M1A	MW-87	04/07/2003	GROUNDWATER	194	204	62	72
W87M2A	MW-87	04/07/2003	GROUNDWATER	169	179	37	47
W87M2D	MW-87	04/07/2003	GROUNDWATER	169	179	37	47
W87M3A	MW-87	04/07/2003	GROUNDWATER	140	150	8	18
W92M1A	MW-92	04/09/2003	GROUNDWATER	165	175	25	35
W92M1D	MW-92	04/09/2003	GROUNDWATER	165	175	25	35
W95M1A	MW-95	04/11/2003	GROUNDWATER	202	212	78	88
W95M1D	MW-95	04/11/2003	GROUNDWATER	202	212	78	88
W95M2A	MW-95	04/11/2003	GROUNDWATER	167	177	43	53
W98M1A	MW-98	04/09/2003	GROUNDWATER	164	174	26	36
W98SSA	MW-98	04/08/2003	GROUNDWATER	137	147	0	10
SC16502	SOIL CUTTING	04/09/2003	IDW	0	0.25		
SC18502	SOIL CUTTING	04/08/2003	IDW	0	0.25		
SC18702	SOIL CUTTING	04/09/2003	IDW	0	0.25		
SC18802	SOIL CUTTING	04/09/2003	IDW	0	0.25		
SC19202	SOIL CUTTING	04/09/2003	IDW	0	0.25		
SC20302	SOIL CUTTING	04/09/2003	IDW	0	0.25		
SC20402	SOIL CUTTING	04/08/2003	IDW	0	0.25		
SC20502	SOIL CUTTING	04/08/2003	IDW	0	0.25		
SC22002	SOIL CUTTING	04/08/2003	IDW	0	0.25		

Profiling methods include: Volatiles and Explosives
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SC22202	SOIL CUTTING	04/08/2003	IDW	0	0.25		
SC24402	SOIL CUTTING	04/08/2003	IDW	0	0.25		
SC24402D	SOIL CUTTING	04/08/2003	IDW	0	0.25		
SC25302	SOIL CUTTING	04/08/2003	IDW	0	0.25		
SC25602	SOIL CUTTING	04/08/2003	IDW	0	0.25		
SC3802	SOIL CUTTING	04/09/2003	IDW	0	0.25		
SC3802D	SOIL CUTTING	04/09/2003	IDW	0	0.25		
SC4102	SOIL CUTTING	04/08/2003	IDW	0	0.25		
PT80M1INF13A	MW-80	04/06/2003	PILOT STUDY				
PT80M1INF14A	MW-80	04/06/2003	PILOT STUDY				
PT80M1INF15A	MW-80	04/07/2003	PILOT STUDY				
PT80M1INF16A	MW-80	04/07/2003	PILOT STUDY				
PT80M1INF17A	MW-80	04/08/2003	PILOT STUDY				
PT80M1INF18A	MW-80	04/09/2003	PILOT STUDY				
PT80M1INF19A	MW-80	04/09/2003	PILOT STUDY				
PT80M1INF20A	MW-80	04/09/2003	PILOT STUDY				
PT80M1INF21A	MW-80	04/10/2003	PILOT STUDY				
PT80M1INF22A	MW-80	04/10/2003	PILOT STUDY				
PT80M1INF23A	MW-80	04/11/2003	PILOT STUDY				
PT80M1INF24A	MW-80	04/11/2003	PILOT STUDY				
PTEFFA5A	PTEFFA5	04/07/2003	PILOT STUDY				
PTEFFA6A	PTEFFA6	04/09/2003	PILOT STUDY				
PTEFFA7A	PTEFFA7	04/10/2003	PILOT STUDY				
PTEFFA8A	PTEFFA8	04/11/2003	PILOT STUDY				
PTEFFB3A	PTEFFB3	04/07/2003	PILOT STUDY				
PTEFFB4A	PTEFFB4	04/10/2003	PILOT STUDY				
PTFTC3A	PTFTC3A	04/07/2003	PILOT STUDY				
PTFTD4A	PTFTD4A	04/09/2003	PILOT STUDY				
G100DNA	MW-100	04/07/2003	PROFILE	270	270	131.8	131.8
G100DOA	MW-100	04/07/2003	PROFILE	280	280	141.8	141.8
G100DPA	MW-100	04/08/2003	PROFILE	290	290	151.8	151.8
G100DQA	MW-100	04/08/2003	PROFILE	300	300	161.8	161.8
G100DRA	MW-100	04/09/2003	PROFILE	310	310	171.8	171.8
G266DKA	MW-266	04/07/2003	PROFILE	260	260	111.25	111.25

Profiling methods include: Volatiles and Explosives
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04/05/2003 - 04/12/2003

OGDEN_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
G266DLA	MW-266	04/07/2003	PROFILE	270	270	121.25	121.25
G266DMA	MW-266	04/07/2003	PROFILE	280	280	131.25	131.25
G266DNA	MW-266	04/07/2003	PROFILE	290	290	141.25	141.25
G266DOA	MW-266	04/08/2003	PROFILE	300	300	151.25	151.25
G266DPA	MW-266	04/08/2003	PROFILE	310	310	161.25	161.25
G266DQA	MW-266	04/09/2003	PROFILE	320	320	171.25	171.25
HC64E1AAA	64E	04/10/2003	SOIL GRID	0	0.5		
HC64E1BAA	64E	04/10/2003	SOIL GRID	1.5	2		
HC64F1AAA	64F	04/10/2003	SOIL GRID	0	0.5		
HC64F1BAA	64F	04/10/2003	SOIL GRID	1.5	2		
HC64G1AAA	64G	04/11/2003	SOIL GRID	0	0.5		
HC64G1BAA	64G	04/11/2003	SOIL GRID	1.5	2		
HC64I1AAA	64I	04/11/2003	SOIL GRID	0	0.5		
HC64I1BAA	64I	04/11/2003	SOIL GRID	1.5	2		
HC64J1AAA	64J	04/10/2003	SOIL GRID	0	0.5		
HC64J1AAD	64J	04/10/2003	SOIL GRID	0	0.5		
HC64J1BAA	64J	04/10/2003	SOIL GRID	1.5	2		
HC64M1AAA	64M	04/10/2003	SOIL GRID	0	0.5		
HC64M1BAA	64M	04/10/2003	SOIL GRID	1.5	2		
HC64M1BAD	64M	04/10/2003	SOIL GRID	1.5	2		

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 03/14/03 - 04/12/03

OGDEN_ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W02-07M3A	02-07	04/03/2003	GROUNDWATER	47	57	13	23	E314.0	PERCHLORATE	
W02-09M1A	02-09	04/04/2003	GROUNDWATER	74	84	65.26	75.26	E314.0	PERCHLORATE	
W02-09M2A	02-09	04/04/2003	GROUNDWATER	59	69	50.3	60.3	E314.0	PERCHLORATE	
W255M2A	MW-255	03/31/2003	GROUNDWATER	170	180	60.43	70.43	E314.0	PERCHLORATE	
W02-09M1A	02-09	04/04/2003	GROUNDWATER	74	84	65.26	75.26	OC21V	CHLOROFORM	
W02-09M2A	02-09	04/04/2003	GROUNDWATER	59	69	50.3	60.3	OC21V	CHLOROFORM	
W02-09SSA	02-09	04/04/2003	GROUNDWATER	7	17	0	10	OC21V	CHLOROFORM	
PT80M1INF13A	MW-80	04/06/2003	PILOT STUDY					E314.0	PERCHLORATE	
PT80M1INF17A	MW-80	04/08/2003	PILOT STUDY					E314.0	PERCHLORATE	
PT80M1INF21A	MW-80	04/10/2003	PILOT STUDY					E314.0	PERCHLORATE	
PT80M1INF9A	MW-80	04/04/2003	PILOT STUDY					E314.0	PERCHLORATE	
G266DAA	MW-266	04/02/2003	PROFILE	165	165	16.25	16.25	8330N	PICRIC ACID	NO
G266DAA	MW-266	04/02/2003	PROFILE	165	165	16.25	16.25	8330N	NITROGLYCERIN	NO
G266DBA	MW-266	04/03/2003	PROFILE	170	170	21.25	21.25	8330N	PICRIC ACID	NO
G266DBA	MW-266	04/03/2003	PROFILE	170	170	21.25	21.25	8330N	NITROGLYCERIN	NO
G266DFA	MW-266	04/04/2003	PROFILE	210	210	61.25	61.25	8330N	3-NITROTOLUENE	NO
G266DFA	MW-266	04/04/2003	PROFILE	210	210	61.25	61.25	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 BELOW GROUND SURFACE
SED = SAMPLE COLLECTION END DEPTH IN FEET BELOW GROUND SURFACE
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
*** = Interference in sample**
+ = PDAs are not good matches