

Table 7. Reported and interpreted analytical results greater than the method detection limit in samples collected in fall 2006.

[U.S. Environmental Protection Agency, EPA; performance evaluation, PE; micrograms per liter, µg/L; Severn Trent Laboratory, Denver, Colorado, STL; U.S. Army Corps of Engineers, USACE; automatic data review program, ADR; quality assurance, QA; Not applicable, --; not detected, ND]

Well name	Sample type	Depth interval sampled, feet below land surface	Analyte	Nominal concentration in EPA PE sample, µg/L	STL analytical result ¹ , µg/L	STL reporting limit, µg/L	STL method detection limit ² , µg/L	USACE ADR qualifier ³	USGS NWIS reported results (µg/L) and remark code ²
Qualified explosive results⁵									
MW94-3	QA, PE	--	2-Amino-4,6-dinitrotoluene	0.1333	0.14	0.12	0.021	J	0.14
	QA, PE	--	4-Amino-2,6-dinitrotoluene	0.1000	0.089J	0.12	0.019		.09E
	QA, PE	--	1,3-Dinitrobenzene	0.1667	0.16	0.12	0.011		.16
	QA, PE	--	2,4-Dinitrotoluene	0.1333	0.12	0.12	0.019		.12
	QA, PE	--	2,6-Dinitrotoluene	0.1333	0.12	0.12	0.022		.12
	QA, PE	--	HMX	0.1333	0.12	0.12	0.019		.12
	QA, PE	--	Nitrobenzene	0.2000	0.17	0.12	0.033		.17
	QA, PE	--	2-Nitrotoluene	0.2333	0.17	0.12	0.022		.17
	QA, PE	--	3-Nitrotoluene	0.2000	0.14	0.12	0.025		.14
	QA, PE	--	4-Nitrotoluene	0.1667	0.13	0.12	0.026		.13
	QA, PE	--	RDX	0.1333	0.12	0.12	0.021		.12
	QA, PE	--	Tetryl	0.0667	0.064J	0.12	0.021		.06E
	QA, PE	--	1,3,5-Trinitrobenzene	0.2333	0.15	0.12	0.010		.15
	QA, PE	--	2,4,6-Trinitrotoluene	0.1000	0.089J	0.12	0.022		.09E
	QA, PE	--	2-Amino-4,6-dinitrotoluene	0.0444	0.035J	0.12	0.021	J	.04E
	QA, PE	--	4-Amino-2,6-dinitrotoluene	0.0333	0.023J	0.12	0.019		.02E
	QA, PE	--	1,3-Dinitrobenzene	0.0556	0.052J	0.12	0.011		.05E
	QA, PE	--	2,4-Dinitrotoluene	0.0444	0.049J	0.12	0.019		.05E
	QA, PE	--	2,6-Dinitrotoluene	0.0444	0.041J	0.12	0.022		.04E
	QA, PE	--	HMX	0.0444	0.031J	0.12	0.019	J	.03E
	QA, PE	--	Nitrobenzene	0.0667	0.069J	0.12	0.033		.07E
	QA, PE	--	2-Nitrotoluene	0.0778	0.081J	0.12	0.022		.08E
	QA, PE	--	3-Nitrotoluene	0.0667	0.062J	0.12	0.025		.06E
	QA, PE	--	4-Nitrotoluene	0.0556	0.054J	0.12	0.026		.05E

Table 7. Reported and interpreted analytical results greater than the method detection limit in samples collected in fall 2006 (continued).

Well name	Sample type	Depth interval sampled, feet below land surface	Analyte	Nominal concentration in EPA PE sample, ug/L	STL analytical result ¹ , ug/L	STL reporting limit, ug/L	STL method detection limit ² , ug/L	ADR overall qualifier ³	USGS NWIS reported results (ug/L) and remark code ²
Qualified explosive results⁵ (continued)									
MW94- 6 (continued)	QA, PE	--	RDX	0.0444	0.043J	0.12	0.021	J	.04E
	QA, PE		Tetryl	0.0222	ND	0.12	0.021		<.12
	QA, PE	--	1,3,5-Trinitrobenzene	0.0778	0.048J	0.12	0.010	J	.05E
	QA, PE	--	2,4,6-Trinitrotoluene	0.0333	0.039J	0.12	0.022	J	.04E
Qualified volatile organic compound results⁵									
MW90-10	Environmental	85-87	Toluene		0.50J	1.0	0.17	UJ	.50V
MW90-10	QA, field blank	--	Toluene		0.50J	1.0	0.17	J	.50E
MW94-4	Environmental	51-53	Toluene		0.27J	1.0	0.17	UJ	.27V
MW94-6	Environmental	49-51	Toluene		0.33J	1.0	0.17	UJ	.33V
MW94-7	QA, field blank	--	Toluene		0.30J	1.0	0.17	J	.30E

¹ STL qualifier:

J The analytical result is an estimate because the value is less than the reporting limit.

² STL method detection limits (K. Kuoppala, STL, written commun., August 2, 2006)

³ ADR qualifier definitions:

UJ Analyte was detected at a value greater than the method detection limit and less than the reporting limit. However, the method detection limit value may be inaccurate or imprecise because the analyte also was detected in the associated quality assurance samples (laboratory method and project equipment/field blanks).

J The analytical result is an estimate; the results is less than the reporting limit and greater than the method detection limit.

Table 7. Reported and interpreted analytical results greater than the method detection limit in samples collected in fall 2006 (continued).

⁴ USGS NWIS remark codes:

V The analytical result was likely affected by contamination from the sampling equipment.

E The analytical result is an estimate; the results is less than the reporting limit and greater than the method detection limit.

⁵ STL preparation method for explosives was “SW846 3535” and for volatile organic compounds was “SW846 5030B/826” where SW846 is “Test method for evaluating solid waste, physical/chemical methods,” third edition, November 1986 and its updates.