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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		88.865%	4.838	τ 10220.000	τ 10140.000	τ 10050.000	τ 5167.000	τ 9902.000	9929.000	90.886%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.450	48.540	47.980	-17350.000	49.230	τ 5196.000	48.990	49.350	49.070

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.410	48.490	0.005	46.590	49.390	0.000	49.730	49.210	-1.532

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.480	49.460	96.018%	50.410	50.230	50.590	48.930	0.059	99.007%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		47.350	48.600	48.590	103.872%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		89.348%	-0.016	2.156	0.045	0.051	-0.345	-0.545	0.450	92.539%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.016	0.649	-0.182	8485.000	0.011	-3.984	0.000	-0.001	0.005

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.127	0.141	-0.032	-0.531	-0.009	0.000	0.046	0.001	0.053

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.000	-0.011	95.522%	0.082	-0.011	-0.009	-0.019	-0.001	96.799%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.227	0.206	0.002	101.653%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.321%	-0.020	ŦM 13650.000	Ŧ 8730.000	Ŧ 8721.000	5.548	285.200	TM 32850.000	97.578%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2.199	0.685	0.875	14720.000	42.820	60.940	0.008	1.052	1.441

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		17.160	-0.723	0.452	-1.140	26.710	0.000	0.676	0.008	0.082

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.011	-0.021	100.424%	0.520	0.053	0.054	0.806	0.002	103.126%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.097	0.106	0.507	108.240%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.190%	-0.016	TM 135700.000	Ŧ 13110.000	Ŧ 13020.000	6.115	Ŧ 728.700	TM 257900.000	95.135%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2.324	1.534	0.540	-38000.000	39.240	94.660	-0.174	1.097	1.416

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		9.684	-0.895	1.227	-1.196	115.000	0.000	0.332	0.008	0.103

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.011	-0.025	93.121%	0.670	0.066	0.086	0.788	0.006	98.098%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.078	0.082	0.402	94.243%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.716%	-0.013	T 8994.000	T 6949.000	T 6847.000	65.140	469.300	17810.000	100.215%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		5.436	4.614	0.894	1555.000	85.180	T 187.800	0.277	1.810	9.689

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		45.340	0.501	0.224	-0.453	73.750	0.000	1.161	0.011	0.124

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.005	-0.018	103.055%	0.437	0.172	0.177	19.980	0.036	105.322%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.037	0.039	0.499	110.210%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		93.092%	-0.018	TM 111000.000	T 1894.000	1759.000	4.621	T 866.200	8086.000	95.336%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.005	0.134	0.804	-2894.000	16.220	28.730	0.018	1.053	4.027

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		18.450	0.249	0.306	-0.932	63.310	0.000	0.668	0.005	0.091

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.002	-0.021	99.601%	0.431	0.034	0.053	14.660	0.015	104.659%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.024	0.032	0.408	106.825%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		90.975%	-0.017	6.720	0.403	0.434	1.648	1.621	9.776	96.844%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.050	-0.510	0.242	25690.000	0.017	-1.923	0.002	0.049	0.002

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.211	0.030	0.208	-0.542	0.076	0.000	0.007	0.002	0.103

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.001	-0.030	101.338%	2.705	-0.004	-0.011	0.309	0.001	102.813%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.011	0.011	0.010	107.458%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		91.847%	4.985	τ1012.000	τ1001.000	996.000	τ1027.000	τ987.700	1112.000	93.864%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		193.800	50.310	50.480	30190.000	103.000	τ1063.000	51.010	51.900	51.390

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.000	9.941	0.122	9.585	102.000	0.000	47.840	10.280	-0.423

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.280	10.220	101.015%	53.160	9.845	10.100	102.700	0.134	103.739%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		9.764	9.988	99.910	111.017%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.857%	0.721	44.780	T 3480.000	3311.000	TM 17520.000	T 2748.000	4368.000	101.366%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		224.400	33.990	60.830	-53.890	T 654.900	TM 22170.000	8.112	23.260	598.700

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		237.300	7.864	0.194	0.956	TM 863.200	0.000	0.972	0.172	-0.118

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.195	2.187	104.601%	8.623	33.020	32.820	TM 4186.000	9.210	107.320%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.326	0.349	T 1087.000	112.540%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		91.969%	5.447	T 1088.000	T 5299.000	T 5124.000	TM 26760.000	T 4686.000	5404.000	98.209%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		485.200	96.790	114.000	-2407.000	T 840.200	TM 25680.000	56.830	74.450	651.400

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		344.000	17.340	0.204	9.128	TM 987.300	0.000	46.040	10.030	-0.844

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.030	11.980	101.156%	56.280	38.140	38.240	TM 4433.000	9.404	104.547%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		9.920	10.070	T 1411.000	109.084%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.359%	5.437	τ 1044.000	τ 5129.000	τ 5001.000	TM 26630.000	τ 4654.000	5501.000	97.850%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		480.000	95.560	112.400	-3125.000	τ 753.500	TM 25700.000	55.440	72.770	656.800

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		342.900	17.490	0.203	9.415	TM 996.800	0.000	44.990	9.853	-0.839

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		9.965	11.870	103.385%	56.350	36.990	37.080	TM 4226.000	9.435	107.033%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		9.633	9.994	τ 1232.000	113.193%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		88.073%	9.976	τ 5273.000	τ 8440.000	τ 8324.000	TM 17420.000	τ 7577.000	9015.000	94.015%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		228.800	50.620	76.000	-3330.000	τ 699.400	TM 22970.000	36.990	61.870	581.800

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		299.100	83.960	0.060	64.450	TM 828.300	0.000	31.070	41.310	-6.775

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		41.030	25.920	97.303%	111.400	111.900	114.900	TM 3818.000	8.654	101.761%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		99.600	100.100	τ 1104.000	104.799%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		88.566%	4.853	ŧ9943.000	ŧ9862.000	ŧ9737.000	ŧ5051.000	ŧ9753.000	9878.000	88.143%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.800	49.040	47.130	-32820.000	48.820	ŧ5167.000	48.790	48.810	48.170
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.570	49.290	-0.216	48.320	49.470	0.000	49.410	49.190	-1.558
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.120	49.910	94.403%	50.420	50.700	50.930	49.090	0.052	99.181%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		47.480	48.740	48.720	104.217%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.867%	-0.016	5.584	1.684	1.833	0.508	1.421	2.254	94.074%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.058	0.294	-0.370	-108.100	0.004	-2.729	0.009	0.008	0.007
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.116	-0.089	-0.033	-0.614	0.014	0.000	0.069	0.008	0.139
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.008	-0.034	99.674%	0.107	-0.006	0.000	0.049	-0.001	100.985%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.270	0.278	0.013	106.970%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.561%	0.101	9.162	τ589.100	614.400	τ3176.000	478.800	816.000	99.545%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		41.000	5.772	11.060	2276.000	118.600	τ4000.000	1.510	4.273	112.600
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		47.390	1.244	0.006	-0.262	153.400	0.000	0.178	0.032	0.033
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.033	0.418	104.194%	1.651	6.016	6.153	730.600	1.686	106.040%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.145	0.148	199.100	112.333%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.510%	0.003	8.038	41.960	44.490	τ1910.000	32.860	39.120	100.606%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		56.370	4.712	2.579	-1916.000	5.894	τ1569.000	0.093	0.677	1.040
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3.933	0.312	0.058	0.070	0.736	0.000	0.126	0.004	0.059
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.001	-0.007	105.801%	2.259	0.009	-0.000	4.044	0.550	107.318%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.078	0.078	4.305	113.849%					

S 609079-002-002-1/1 09/29/2006 12:42:45 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.927%	0.008	8.032	41.220	43.960	↑2026.000	32.060	36.880	98.439%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		72.660	3.786	2.387	4.978	5.134	↑1176.000	0.084	0.775	0.651
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3.468	0.223	0.029	-0.200	0.374	0.000	0.077	0.003	0.112
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.002	-0.009	102.287%	2.160	-0.011	-0.007	3.701	0.662	103.282%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.074	0.065	1.753	107.409%					

S 609079-003-003-1/1 09/29/2006 12:48:53 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.131%	0.016	10.320	77.620	81.560	↑4876.000	63.100	39.130	99.166%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.220	9.223	5.258	-4518.000	5.436	↑3082.000	0.185	1.171	1.189
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3.980	0.651	0.020	-0.107	0.593	0.000	0.157	0.006	0.017
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.003	0.022	104.025%	2.196	0.015	0.007	4.147	0.666	105.682%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.061	0.064	4.550	110.951%					

S 609079-004-004-1/1 09/29/2006 12:55:03 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.716%	0.029	9.529	68.810	71.860	T 4037.000	50.550	181.700	98.728%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		88.270	7.786	5.001	-1818.000	7.710	T 3274.000	0.220	1.190	2.464
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		7.399	0.711	0.048	-0.189	1.379	0.000	0.559	0.021	0.088
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.026	0.003	103.730%	2.170	0.013	0.010	5.471	0.638	105.134%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.065	0.058	5.522	109.872%					

S 609079-005-005-1/1 09/29/2006 01:01:09 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.225%	0.099	18.610	82.730	86.140	TM 13880.000	64.720	136.900	103.199%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		94.850	32.610	19.550	-17720.000	7.275	TM 25150.000	0.334	2.075	5.245
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		6.579	3.945	0.136	0.183	1.238	0.000	0.898	0.014	0.007
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.006	0.016	104.849%	2.753	0.043	0.054	5.264	0.771	106.107%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.043	0.047	5.754	109.779%					

S 609079-006-006-1/1 09/29/2006 01:07:20 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.584%	0.084	9.964	75.430	78.220	T8278.000	73.190	61.200	101.174%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		73.790	21.080	14.030	-12100.000	4.695	T9095.000	0.261	1.142	3.215
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4.919	2.049	0.113	-0.199	1.381	0.000	0.509	0.008	0.003
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.002	0.033	105.342%	2.508	0.028	0.000	5.292	1.407	107.296%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.043	0.044	3.674	113.894%					

S 609079-007-007-1/1 09/29/2006 01:13:30 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		94.811%	0.127	16.220	89.750	95.860	TM9959.000	88.520	37.070	100.516%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		72.460	21.340	12.590	-11210.000	4.429	T8313.000	0.408	1.688	3.106
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4.607	1.696	0.092	-0.040	1.021	0.000	0.394	0.011	0.009
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.004	0.012	102.693%	2.408	0.014	0.006	5.626	2.182	103.986%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.045	0.057	3.600	107.339%					

S 609079-008-008-1/1 09/29/2006 01:19:42 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.689%	0.027	10.590	46.660	48.700	↑3684.000	64.610	43.290	98.771%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		55.550	9.234	5.540	-12350.000	1.645	↑5518.000	0.153	0.767	1.790
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4.668	0.926	-0.034	-0.149	0.845	0.000	0.173	0.006	0.068
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.002	-0.019	102.843%	2.365	-0.008	-0.003	3.764	1.058	105.186%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.028	0.026	1.749	110.304%					

S 609079-009-009-1/1 09/29/2006 01:25:49 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.675%	0.065	10.510	106.500	112.100	↑4115.000	70.590	70.210	98.209%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		78.710	7.410	4.226	-7668.000	7.934	↑2580.000	0.309	1.564	1.267
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		7.027	0.401	0.042	-0.387	0.749	0.000	0.151	0.030	0.096
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.023	-0.002	103.892%	2.296	0.017	0.004	6.257	0.932	106.237%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.045	0.035	4.587	111.993%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		83.340%	4.794	↑10410.000	↑10310.000	↑10190.000	↑5126.000	↑10010.000	9913.000	88.454%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.810	48.640	47.510	-22830.000	49.660	↑5223.000	49.110	49.420	48.540
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.880	50.600	-0.211	48.210	49.550	0.000	49.330	49.070	-1.740
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.570	49.700	93.293%	50.350	50.500	50.710	49.610	0.060	96.471%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		48.560	48.960	48.910	99.480%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.383%	-0.017	7.338	4.259	4.335	2.373	3.830	4.037	94.046%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.061	0.026	-0.469	4998.000	0.050	-0.390	0.020	0.031	0.024
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.211	-0.069	-0.063	-0.820	0.030	0.000	0.043	0.022	0.108
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.018	0.002	101.697%	0.086	0.005	0.012	0.185	-0.000	103.091%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.210	0.205	0.052	110.013%					

S 609079-010-010-1/1 09/29/2006 01:44:13 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.783%	0.016	10.220	47.040	48.920	ŧ2954.000	35.960	40.790	98.884%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		79.670	7.866	4.382	5318.000	7.131	ŧ2111.000	0.132	0.842	0.963
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3.802	0.429	0.092	0.077	0.466	0.000	0.107	0.004	0.081
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.001	-0.017	103.543%	2.339	0.009	0.013	3.760	1.140	103.944%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.111	0.100	3.766	109.624%					

S 609079-011-011-1/1 09/29/2006 01:50:20 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.493%	0.009	9.686	49.340	52.410	ŧ3046.000	36.540	54.890	98.221%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		85.840	7.127	3.496	560.400	8.729	ŧ1946.000	0.120	0.953	1.044
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4.429	0.314	0.071	-0.055	0.584	0.000	0.164	0.002	0.052
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.001	0.008	103.391%	2.180	0.013	0.011	4.012	1.027	104.479%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.053	0.050	4.227	109.080%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		93.035%	-0.017	65.200	1.177	1.117	5.851	5.409	149.300	98.895%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.165	0.398	-0.353	-30220.000	0.065	5.265	0.004	0.212	0.083
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8.604	-0.284	-0.422	-1.603	0.759	0.000	0.001	0.006	0.119
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.007	-0.027	104.337%	0.024	-0.033	-0.019	0.683	0.001	104.238%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.023	0.023	0.108	105.849%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		90.094%	23.070	T 5126.000	T 5022.000	4784.000	T 5142.000	T 4950.000	5421.000	92.195%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		938.400	242.100	241.600	-3258.000	T 502.500	T 5239.000	245.200	250.500	245.700
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		466.600	46.000	-0.051	41.060	TM 499.000	0.000	238.600	49.980	-3.027
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.730	48.740	98.393%	246.500	47.550	48.480	498.300	0.497	102.302%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		49.240	49.930	484.800	107.361%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		87.795%	-0.018	TM 38470.000	TM 20770.000	TM 20680.000	11.710	T 6546.000	TM 72120.000	94.999%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.105	0.742	-0.952	-65990.000	30.180	T 2396.000	0.003	0.879	0.909

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.630	46.150	-0.519	-1.142	TM 920.400	0.000	1.012	0.005	0.128

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.003	-0.001	100.383%	0.135	0.004	0.014	1.503	0.003	103.990%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.189	0.186	0.149	102.408%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		85.929%	21.830	TM 43440.000	TM 25500.000	TM 25400.000	T 5182.000	T 11490.000	TM 77640.000	91.228%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		929.400	241.400	236.800	-46200.000	T 538.500	T 7584.000	236.700	237.900	232.200

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		450.200	89.030	-0.059	39.100	TM 1431.000	0.000	237.600	47.910	-3.311

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		47.810	48.110	95.331%	244.500	46.710	47.240	495.700	0.449	99.538%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		50.120	50.810	488.700	99.845%

SD609073-001-001-1/1 09/29/2006 02:27:10 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		89.681%	21.840	TM 41240.000	TM 24480.000	TM 24280.000	T 5113.000	T 11200.000	TM 76570.000	90.686%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		927.600	240.300	234.200	-43260.000	T 535.700	T 7534.000	236.200	237.400	230.000
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		439.800	88.330	0.026	37.910	TM 1424.000	0.000	238.000	47.480	-2.691
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		47.230	47.890	96.720%	243.900	47.130	48.180	495.500	0.460	101.976%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		49.510	50.330	486.900	104.067%					

PS609073-001-001-1/1 09/29/2006 02:33:20 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		84.521%	9.040	TM 43420.000	TM 25900.000	TM 25740.000	T 1081.000	T 11650.000	TM 76560.000	93.958%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		23.720	20.670	18.850	-68010.000	109.400	T 4565.000	29.700	40.740	29.890
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		83.970	119.500	-0.617	60.000	TM 925.500	0.000	32.170	40.500	-6.414
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		40.360	23.180	97.871%	105.900	75.220	77.980	22.130	0.041	100.888%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		105.500	106.700	82.540	100.211%					

SE609073-001-001-1/1 09/29/2006 02:39:31 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.738%	-0.019	ŦŦ7210.000	ŦŦ3915.000	3741.000	1.959	ŦŦ1242.000	13210.000	93.806%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.259	0.564	-0.732	-28630.000	6.077	ŦŦ470.400	-0.002	0.156	0.187

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3.289	9.820	-0.130	-0.511	170.800	0.000	0.222	0.001	0.147

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.001	-0.035	101.336%	0.130	0.287	0.266	0.375	0.002	104.558%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.088	0.091	0.039	111.284%

S 609079-012-012-1/1 09/29/2006 02:45:43 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.685%	-0.019	190.300	13.700	13.980	7.293	8.002	196.300	95.190%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.195	-0.266	-0.017	-8326.000	0.677	16.550	0.013	0.855	1.056

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8.278	-0.316	-0.141	-1.536	0.766	0.000	0.167	0.005	0.101

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.003	-0.023	102.176%	0.260	0.101	0.118	0.689	0.002	104.765%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.072	0.079	0.182	109.763%

CCV 09/29/2006 02:51:49 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		85.764%	4.807	τ10170.000	τ10110.000	τ9945.000	τ5052.000	τ9835.000	9900.000	88.535%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.510	48.600	47.330	-24360.000	48.700	τ5144.000	48.110	48.280	48.340
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.170	48.970	-0.120	47.070	49.290	0.000	49.010	48.810	-1.572
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.170	49.210	93.768%	50.130	50.950	50.600	49.090	0.075	97.773%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		47.700	48.630	48.890	101.780%					

CCB 09/29/2006 02:57:55 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.850%	-0.019	8.499	4.456	4.564	2.637	2.543	5.652	90.369%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.134	0.264	-0.631	-6726.000	0.038	-3.521	0.022	0.018	0.029
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.221	0.248	-0.117	-0.624	0.043	0.000	0.078	0.025	0.138
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.020	-0.020	98.368%	0.106	0.043	0.034	0.143	-0.000	100.879%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.212	0.222	0.052	109.054%					

ICSA 09/29/2006 03:04:01 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		75.074%	-0.016	TM 261800.000	TM 100300.000	TM 99440.000	TM 101600.000	TM 101600.000	TM 324700.000	77.546%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2067.000	0.010	0.353	-54570.000	0.018	TM 254200.000	0.063	0.049	0.634
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.732	0.492	0.368	-0.080	4.173	0.000	M 1944.000	0.102	1.656
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.089	-0.116	83.043%	0.247	0.223	0.221	0.534	0.041	88.841%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.171	0.183	0.137	85.822%					

ICSAB 09/29/2006 03:16:12 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		77.281%	16.640	TM 254500.000	TM 97450.000	TM 96680.000	TM 99490.000	TM 99650.000	TM 322400.000	77.466%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2036.000	18.720	18.670	-58270.000	18.600	TM 250000.000	18.100	17.430	16.920
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		18.110	18.150	0.208	16.720	23.970	0.000	M 1933.000	17.180	1.160
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		17.200	17.060	84.436%	20.160	18.870	18.800	19.940	0.051	91.729%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		19.760	20.270	20.140	90.047%					

CCV 09/29/2006 03:22:22 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		85.985%	4.940	↑9971.000	↑9885.000	↑9779.000	↑5060.000	↑9691.000	9932.000	85.552%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.680	49.010	47.180	-43690.000	49.170	↑5111.000	48.710	49.190	48.920

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.430	49.730	-0.268	48.630	48.950	0.000	50.280	49.410	-1.527

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.410	50.080	91.955%	50.720	51.110	50.590	49.300	0.043	99.129%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		48.380	48.750	48.880	103.834%

CCB 09/29/2006 03:28:31 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		91.977%	-0.012	15.240	5.019	5.479	2.904	4.498	6.545	88.932%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.128	0.697	-0.712	-26780.000	0.034	-3.532	0.025	0.022	0.034

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.093	-0.531	-0.102	-0.579	0.044	0.000	0.454	0.030	0.199

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.020	-0.032	96.462%	0.095	0.036	0.023	0.134	-0.000	102.253%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.247	0.258	0.058	109.331%

Instrument ID: HYDRA AA	Method: 7470	Start Seq #: 361	Traceability-Solutions
Corr. Coef. 0.999976	Data File: HG061002	End Seq #: 416	Rinse 10% HCL Bath: 129-125-2
Test Optics Sample: 1038749	Rack 1: ~~HG~~ 94068	Folder: Sep 06	Stannous CL 10%: 129-114-09
Hg Lamp: 8.638 V	Rack 2:	Batch Name:	

GPL - Maryland Laboratory — CVAA Analysis Log — Data File: HG061002.PRN

Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time
1	Std01Rep1	1	10/2/2006	15:52	31	S 609079-013-013-1/4	1	10/2/2006	17:06										
2	Std01Rep2	1	10/2/2006	15:54	32	SP609079-013-013-1/	1	10/2/2006	17:09										
3	Std01Rep3	1	10/2/2006	15:56	33	SD609079-013-013-1/	1	10/2/2006	17:11										
4	Std02Rep1	1	10/2/2006	15:59	34	Ck5 CCV	1	10/2/2006	17:13										
5	Std02Rep2	1	10/2/2006	16:01	35	Ck6 CCB	1	10/2/2006	17:15										
6	Std02Rep3	1	10/2/2006	16:05	36	BE060918	1	10/2/2006	17:17										
7	Std03Rep1	1	10/2/2006	16:09	37	S 609086-001-001-1/1	1	10/2/2006	17:19										
8	Std03Rep2	1	10/2/2006	16:11	38	SP609086-001-001-1/	1	10/2/2006	17:22										
9	Std03Rep3	1	10/2/2006	16:13	39	SD609086-001-001-1/	1	10/2/2006	17:24										
10	Std04Rep1	1	10/2/2006	16:16	40	S 609086-002-002-1/1	1	10/2/2006	17:26										
11	Std04Rep2	1	10/2/2006	16:18	41	S 609086-003-003-1/1	1	10/2/2006	17:29										
12	Std04Rep3	1	10/2/2006	16:20	42	S 609086-004-004-1/1	1	10/2/2006	17:32										
13	Std05Rep1	1	10/2/2006	16:22	43	S 609086-005-005-1/1	1	10/2/2006	17:34										
14	Std05Rep2	1	10/2/2006	16:25	44	S 609112-001-017-1/1	1	10/2/2006	17:36										
15	Std05Rep3	1	10/2/2006	16:28	45	Ck4 CRA	1	10/2/2006	17:39										
16	Std06Rep1	1	10/2/2006	16:30	46	Ck5 CCV	1	10/2/2006	17:41										
17	Std06Rep2	1	10/2/2006	16:32	47	Ck6 CCB	1	10/2/2006	17:43										
18	Std06Rep3	1	10/2/2006	16:34	48	S 609112-002-018-1/1	1	10/2/2006	17:46										
19	Ck2 ICV	1	10/2/2006	16:38	49	S 609112-003-019-1/1	1	10/2/2006	17:48										
20	Ck3 ICB	1	10/2/2006	16:41	50	S 609112-004-020-1/1	1	10/2/2006	17:50										
21	Ck4 CRA	1	10/2/2006	16:43	51	S 609112-005-027-1/1	1	10/2/2006	17:53										
22	Ck5 CCV	1	10/2/2006	16:45	52	SP609112-005-027-1/	1	10/2/2006	17:55										
23	Ck6 CCB	1	10/2/2006	16:47	53	SD609112-005-027-1/	1	10/2/2006	17:57										
24	BLK94068	1	10/2/2006	16:49	54	Ck4 CRA	1	10/2/2006	17:59										
25	BKS94068	1	10/2/2006	16:52	55	Ck5 CCV	1	10/2/2006	18:02										
26	S 609089-003-012-1/1	1	10/2/2006	16:55	56	Ck6 CCB	1	10/2/2006	18:04										
27	S 609093-002-013-1/1	1	10/2/2006	16:57															
28	S 609093-003-002-1/1	1	10/2/2006	16:59															
29	S 609093-004-014-1/1	1	10/2/2006	17:02															
30	S 609079-012-012-1/1	1	10/2/2006	17:04															

Analyst Signature: [signature] Date: 10-2-06 Analyst Signature: Date:

Sample Dilutions:

Workorders	Dilutions/Reanalyses/Comments	Source Solutions	
609089		Stds	Numbers
609093		S0	38263
609079	Redigestion to meet asm.	S1	
607086		S2	
609112		S3	
	IDL study, day 1. at 0.1ppb	S4	
		S5	
		CRA	
		ICV	38097
		CCV	38263

Analyst: [signature] Date: 10-2-06 Reviewed: [signature] Date: 6/OCT/2006

WinHg Database 1.5

File Utility Help

Protocol 7470 Dataset/Proto SEP06 /7470

Protocol | Line info | Cal Curve | Report | Ctrl Chart | Viewer

Reset

Calib Coeffs

New Cal

Update Coeffs

Spike Coeffs

A

B 1.15420e-4

C -7.77259e-2

Rho .999976

Type Linear

☑ Calibrated

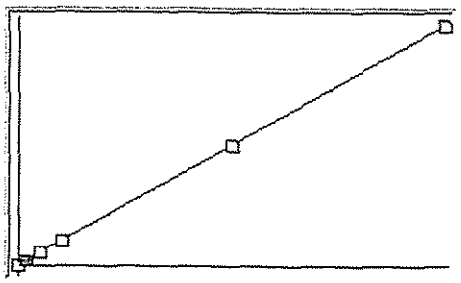
☑ Accepted

Accept

µ Abs. 87145

Accepted

New



Include S2 Rep 1 ☑ 2 ☑ 3 ☑ 4 ☐ 5 ☐

02-Oct-06 16:37 Conc. 10.0

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	.00000	-.012	-.012	571	122	499	502	712
02	.20000	.224	.024	2613	2.5%	2685	2557	2598
03	.50000	.491	-.009	4929	1.42%	4944	4990	4852
04	1.0000	.973	-.027	9101	0.63%	9163	9092	9049
05	5.0000	5.04	.044	44370	0.18%	44292	44448	44373
06	10.000	9.98	-.019	87145	0.37%	87490	87105	86841

Ready CAP NUM

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq:	361	15:52:30 02 Oct 06	HG	
Hg	.000	ppb	499					
*** Standard: 1 Rep: 2				Seq:	362	15:54:35 02 Oct 06	HG	
Hg	.000	ppb	502					
*** Standard: 1 Rep: 3				Seq:	363	15:56:53 02 Oct 06	HG	
Hg	.000	ppb	712					
*** Standard: 2 Rep: 1				Seq:	364	15:59:01 02 Oct 06	HG	
Hg	.200	ppb	2685					
*** Standard: 2 Rep: 2				Seq:	365	16:01:07 02 Oct 06	HG	
Hg	.200	ppb	2557					
*** Standard: 2 Rep: 3				Seq:	366	16:05:18 02 Oct 06	HG	
Hg	.200	ppb	2598					
*** Standard: 3 Rep: 1				Seq:	367	16:09:21 02 Oct 06	HG	
Hg	.500	ppb	4943					
*** Standard: 3 Rep: 2				Seq:	368	16:11:47 02 Oct 06	HG	
Hg	.500	ppb	4990					
*** Standard: 3 Rep: 3				Seq:	369	16:13:53 02 Oct 06	HG	
Hg	.500	ppb	4852					
*** Standard: 4 Rep: 1				Seq:	370	16:16:03 02 Oct 06	HG	
Hg	1.00	ppb	9163					
*** Standard: 4 Rep: 2				Seq:	371	16:18:10 02 Oct 06	HG	
Hg	1.00	ppb	9092					
*** Standard: 4 Rep: 3				Seq:	372	16:20:41 02 Oct 06	HG	
Hg	1.00	ppb	9049					
*** Standard: 5 Rep: 1				Seq:	373	16:22:47 02 Oct 06	HG	
Hg	5.00	ppb	44291					
*** Standard: 5 Rep: 2				Seq:	374	16:25:09 02 Oct 06	HG	
Hg	5.00	ppb	44448					
*** Standard: 5 Rep: 3				Seq:	375	16:28:09 02 Oct 06	HG	
Hg	5.00	ppb	44373					

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Standard: 6 Rep: 1              Seq:  376     16:30:16 02 Oct 06   HG

Hg    10.0    ppb      87490

*** Standard: 6 Rep: 2              Seq:  377     16:32:43 02 Oct 06   HG

Hg    10.0    ppb      87105

*** Standard: 6 Rep: 3              Seq:  378     16:34:51 02 Oct 06   HG

Hg    10.0    ppb      86841

*** Check Standard: 2  Ck2 ICV      Seq:  379     16:38:44 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          107.     3.22    3.00  ppb         .000

*** Check Standard: 3  Ck3 ICB      Seq:  380     16:41:12 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -72.6    -.036    .050  ppb         .000

*** Check Standard: 4  Ck4 CRA      Seq:  381     16:43:18 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          110.     .221    .200  ppb         .000

*** Check Standard: 5  Ck5 CCV      Seq:  382     16:45:27 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          100.     5.02    5.00  ppb         .000

*** Check Standard: 6  Ck6 CCB      Seq:  383     16:47:43 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -47.6    -.024    .050  ppb         .000

*** Sample ID: BLK94068              Seq:  384     16:49:53 02 Oct 06   HG

Hg   -.030    ppb       .000     -.030

*** Sample ID: BKS94068              Seq:  385     16:52:37 02 Oct 06   HG

Hg    .989    ppb       .000      .989

*** Sample ID: S 609089-0            Seq:  386     16:55:04 02 Oct 06   HG
                          03-012-1/1
Hg   -.022    ppb       .000     -.022

*** Sample ID: S 609093-0            Seq:  387     16:57:09 02 Oct 06   HG
                          02-013-1/1
Hg   -.005    ppb       .000     -.005

*** Sample ID: S 609093-0            Seq:  388     16:59:34 02 Oct 06   HG
                          03-002-1/1
Hg    .001    ppb       .000      .001

*** Sample ID: S 609093-0            Seq:  389     17:02:20 02 Oct 06   HG
                          04-014-1/1
Hg   -.009    ppb       .000     -.009

*** Sample ID: S 609079-0            Seq:  390     17:04:37 02 Oct 06   HG
                          12-012-1/1
Hg   -.015    ppb       .000     -.015
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------------

*** Sample ID: S 609079-0            Seq:  391    17:06:47 02 Oct 06   HG
                              13-013-1/4
Hg   -.008    ppb       .000     -.008

*** Sample ID: SP609079-0            Seq:  392    17:09:05 02 Oct 06   HG
                              13-013-1/4
Hg    .992    ppb       .000      .992

*** Sample ID: SD609079-0            Seq:  393    17:11:12 02 Oct 06   HG
                              13-013-1/4
Hg    1.00    ppb       .000      1.00

*** Check Standard: 5  Ck5 CCV      Seq:  394    17:13:20 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          100.     5.02    5.00  ppb         .000

*** Check Standard: 6  Ck6 CCB      Seq:  395    17:15:41 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -73.5    -.037    .050  ppb         .000

*** Sample ID: BE060918              Seq:  396    17:17:48 02 Oct 06   HG

Hg   -.020    ppb       .000     -.020

*** Sample ID: S 609086-0            Seq:  397    17:19:57 02 Oct 06   HG
                              01-001-1/1
Hg   -.042    ppb       .000     -.042

*** Sample ID: SP609086-0            Seq:  398    17:22:22 02 Oct 06   HG
                              01-001-1/1
Hg    .639    ppb       .000      .639

*** Sample ID: SD609086-0            Seq:  399    17:24:37 02 Oct 06   HG
                              01-001-1/1
Hg    .645    ppb       .000      .645

*** Sample ID: S 609086-0            Seq:  400    17:26:54 02 Oct 06   HG
                              02-002-1/1
Hg   -.022    ppb       .000     -.022

*** Sample ID: S 609086-0            Seq:  401    17:29:00 02 Oct 06   HG
                              03-003-1/1
Hg   -.005    ppb       .000     -.005

*** Sample ID: S 609086-0            Seq:  402    17:32:17 02 Oct 06   HG
                              04-004-1/1
Hg   -.022    ppb       .000     -.022

*** Sample ID: S 609086-0            Seq:  403    17:34:44 02 Oct 06   HG
                              05-005-1/1
Hg   -.014    ppb       .000     -.014

*** Sample ID: S 609112-0            Seq:  404    17:36:53 02 Oct 06   HG
                              01-017-1/1
Hg    .013    ppb       .000      .013

*** Check Standard: 4  Ck4 CRA      Seq:  405    17:39:15 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          118.     .235    .200  ppb         .000
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Check Standard: 5  Ck5 CCV      Seq:  406     17:41:22 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          101.     5.06    5.00   ppb        .000

*** Check Standard: 6  Ck6 CCB      Seq:  407     17:43:48 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -64.0    -.032    .050   ppb        .000

*** Sample ID: S 609112-0            Seq:  408     17:46:10 02 Oct 06   HG
                              02-018-1/1
Hg   -.004    ppb       .000     -.004

*** Sample ID: S 609112-0            Seq:  409     17:48:36 02 Oct 06   HG
                              03-019-1/1
Hg   -.022    ppb       .000     -.022

*** Sample ID: S 609112-0            Seq:  410     17:50:55 02 Oct 06   HG
                              04-020-1/1
Hg   -.006    ppb       .000     -.006

*** Sample ID: S 609112-0            Seq:  411     17:53:02 02 Oct 06   HG
                              05-027-1/1
Hg    .004    ppb       .000      .004

*** Sample ID: SP609112-0            Seq:  412     17:55:10 02 Oct 06   HG
                              05-027-1/1
Hg    .991    ppb       .000      .991

*** Sample ID: SD609112-0            Seq:  413     17:57:29 02 Oct 06   HG
                              05-027-1/1
Hg    1.00    ppb       .000      1.00

*** Check Standard: 4  Ck4 CRA      Seq:  414     17:59:37 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          108.     .217    .200   ppb        .000

*** Check Standard: 5  Ck5 CCV      Seq:  415     18:02:03 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          102.     5.09    5.00   ppb        .000

*** Check Standard: 6  Ck6 CCB      Seq:  416     18:04:19 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -38.9    -.019    .050   ppb        .000
```

Metals Preparation & Sample Description Log

Date: 09-21-06 Prep: 200.7 / 3005A / 3020A / 3050B / 3010A / ILC03.1 / ILM04.1 / ILM05.3 Batch No: 180- 135

Analyst: MH Comments: HOT PLATE DIGESTION (Water)

609093 = 001 Sample is for Perchlorate by SW 8321A; dust is charged HNO3

Reviewed by: RA Date: 9-27-06 Spike Witness: 9-21-06 Pep. Seq: 94002

	GPL Work Order No.	Sample	Frac	Size (mL) (g)	Final Vol. (mL)	Matrix S, W Other	Color Before (R, Bl, Y, G, O, V, W Colorless, Br, Grey, Bk)	Color After	Clarity Before or Soil Texture	Clarity After Clear, Cloudy, Opaque	Soil Artifacts or Water pH
1	BLK	135		100	100	Water	colorless	colorless	clear	clear	—
2	BKS	135									
3	609088	001	-005-½								
4		MS									
5		MSD									
6	609089	001	-001-½								
7		002	-002-½								
8		003	-012-½								
9	609093	001	-001-½								
10		002	-013-½								
11		003	-002-½								
12		004	-014-½								
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											

MH 09-21-06

LCS ID/ Amt. Added (ml ,g) : 0.1 ml (37361, 37362, 37363)	HNO3(1+1) ID:
Spiking ID / Amt. Added (ml) : 0.1 ml (37361, 37362, 37363)	HNO3(conc) ID: GP-129-08-11
6ML NaCl CNC, 10ml 1:1 HCl	HCl(conc) ID:
Temperature, C: 94° C	HCl(1+1) ID: GP-057-110-09
Camp Adair - Appendix F - Analytical Report	Peroxide ID: 200-1e 3927

F10OR002908_01.09_0508_a

Mercury Digestion Log

Method: 7470A / 7471A / 245.1 / ILM04.1 / ILM05.2 / ILM05.3 Batch No: 183- 1 of 2

Digestion Date: 9-29-06 Analyst: DJH

Reviewed By / Date: KE 2/Oct/2006

GPL Workorder	Frac	Client ID	Matrix	SIZE mL / g	VOL (mL)	Spk.A. (mL)	KMnO4 (mL)
		S0	W	100	100		150
		S0.2				0.2	
		S0.5				0.5	
		S1.0				1.0	
		S5.0				5.0	
		S10.0				10.0	
		CRA				0.2	
		CCV				5.0	
		ICB/CCB				0	
		ICV				0.3	
		~~S0.1~~					
		~~S0.05~~					
		~~S0.3~~					
		S					

DJH 9-29-06

50% Aqua regia:		Spiking Solution Conc:	0.1 PPM Hg
HNO3:	129-08-09	Std/CRA/BKS/Spk:	1:2 dil of 38263.
H2SO4:	129-07-12	(2nd source) ICV:	38097
KMnO4:	129-121-03 (NEW)	H2O Bath Temp: 97	In Time: 2030
K2S2O8:	129-122-3 (NEW)	H2O Bath Temp: 95	Out Time: 2230
NH2OH*HCl:	129-123-2	H2O Bath Temp:	In Time:
Comments: New bottles, same lot. DJH 9-29-06		H2O Bath Temp:	Out Time:

Mercury Digestion Log

Method: 7470A / 7471A / 245.1 / ILM04.1 / ILM05.3 Batch No: 183- 2 of 2

Digestion Date: 9-29-06 Analyst: PH

Reviewed By / Date: KC 2/Oct/2006

GPL Workorder	Frac	Client ID	Matrix	SIZE mL / g	VOL (mL)	Spk.A. (mL)	KMnO4 (mL)
		BLK 94068	W	100	100	/	15.0
		BKS 94068				1.0	
609086-001	001-1/1					/	
		MS				1.0	
		MSD				1.0	
	2					0	
	3						
	4						
	5						
609079-012	012-1/1						
609079-013	013-1/4			10.0			
		MS		10.0			
		MSD		10.0			
B060918		(DI BLANK) BE2		10.0			
609089-003	012-1/1			100			
609093-002	013						
3	002						
4	014						
609112-001	017-1/1						
2	018						
3	019						
4	020						
5	027						
		MS				1.0	
		MSD				1.0	
		10/9/06					

50% Aqua regia:		Spiking Solution Conc:	0.1 PPM Hg
HNO3:	129-08-09	Std/CRA/BKS/Spk:	1:20 DIL of 38263
H2SO4:	129-07-12	(2nd source) ICV:	38057
KMnO4:	129-121-03	H2O Bath Temp: 97	In Time: 2030
K2S2O8:	129-122-03	H2O Bath Temp: 95	Out Time: 2230
NH2OH*HCl:	129-122-3	H2O Bath Temp:	In Time:
Comments:		H2O Bath Temp:	Out Time:

SUBCONTRACTED ANALYSES

GPL Laboratories

DATA CHEM LABORATORIES
A Sorenson Company

COVER PAGE

ANALYTICAL REPORT FOR GPL Laboratories

AUG 22 2006

Phone(801) 525-0456 Fax(801) 525-0457
E-mail: mikesellts@earthlink.net

Form COVER-V1.4
09290614094001
Page 1

G068V01F

DCL Report Group..: 06E-0624-01

Date Printed.....: 29-SEP-06 14:09

Project Protocol #: P04BG001
Client Ref Number.: Shaw FUDS MMRP Sit
Release Number....: Shaw FUDS MMRP Sit

Analysis Method(s): LC-MS-CL04

GPL Laboratories
Attention: Tim Mikesell
7210A Corporate CT.
Frederick, MD 21703

Client Sample Name	Laboratory Sample Name	Date Sampled	Date Received
609089003003|NW00173008	06E04383	13-SEP-06	20-SEP-06
Method Blank	BL-250891-1	NA	NA
LCS	QC-250891-1	NA	NA

Analyst: Thomas T McKay — Date: 09/29/06

Reviewer: Penny A. Foots — Date: 29-Sep-2006

Lab Supervisor: Reed A. Hendricks — Date: 9-29-06

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547
Phone (801) 266-7700 Web Page: www.datachem.com
FAX (801) 268-9992 E-mail: lab@datachem.com

DCL Report Group..: 06E-0624-01
Date Printed.....: 29-SEP-06 14:09

Client Name...: GPL Laboratories

Release Number....: Shaw FUDS MMRP Sit

General Information

The DCL QC Database maintains all numerical figures which are input from the pertinent data source. These data have not been rounded to significant figures nor have they been moisture corrected. Reports generated from the system, however, list data which have been rounded to the number of significant figures requested by the client or deemed appropriate for the method. This may create minor discrepancies between data which appear on the QC Summary Forms (Forms B-G) and those that would be calculated from rounded analytical results. Additionally, if a moisture correction is performed, differences will be observed between the QC data and the surrogate data reported on Form A (or other report forms) and corresponding data reported on QC Summary Forms. In these cases, the Form A will indicate the "Report Basis" as well as the moisture value used for making the correction.

DataChem Laboratories, Inc. is accreditated by the State of Utah, Bureau of Laboratory Improvement under NELAP for specific fields of testing as documented in its current scope of accrediation (ID# DATA1) which is available by request or on the internet at http://hlunix.hl.state.ut.us/els/labimp/labcertification/labsutahcert.mdb. The quality systems implemented in the laboratory apply to all methods performed by DataChem regardless of this current scope of accreditation which does not include performance based methods, modified methods and methods applied to matrices not listed in the methods.

Report generation options: BX

Result Symbol Definitions

ND - Not Detected above the MDL (LLD or MDC for radiochemistry).
** - No result could be reported, see sample comments for details.

Qualifier Symbol Definitions

U - Not Detected above the MDL (LLD or MDC for radiochemistry).
B - For organic analyses the qualifier indicates that this analyte was found in the method blank. For inorganic analyses the qualifier signifies the value is between the MDL and PQL.
J - For organic analyses the qualifier indicates that the value is between the MDL and the PQL. It is also used for indicating an estimated value for tentatively identified compounds in mass spectrometry where a 1:1 response is assumed.

QC Flag Symbol Definitions

* - Parameter outside of specified QC limits.

DATA CHEM LABORATORIES
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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.4
09290614094001
Page 3

S068V03N

Date Printed.....: 29-SEP-06 14:09

Client Name.....: GPL Laboratories
Client Ref Number....: Shaw FUDS MMRP Site-017
Sampling Site.....: Camp Addair
Release Number.....: Shaw FUDS MMRP Site-0

Date Received.....: 20-SEP-06 00:00

Client Sample Name: 609089003003|HWO0173008
DCL Sample Name...: 06E04383
DCL Report Group..: 06E-0624-01

Matrix.....: WATER
Date Sampled.....: 13-SEP-06 17:20
Reporting Units...: ug/L
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: 27-SEP-06 00:00
Preparation Method...: PerchlorateLCMS
Aliquot Weight/Volume: Not Applicable
Net Weight/Volume....: Not Required

DCL Analysis Group: G068V020
Analysis Method...: LC-MS-CLO4
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPX
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Perchlorate	28-SEP-06 01:28	0.0612	ND		U	1	0.200

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FAX (801) 268-9992 E-mail: lab@datachem.com

DATA CHEM LABORATORIES
A Sorenson Company

FORM B (TYPE I)
SINGLE METHOD ANALYSES

QUALITY CONTROL DATA SHEET
LABORATORY CONTROL SAMPLE (LCS)

Form RLIMS63B-V1.4
09290614094001
Page 4
S068V04V

Client Name.....: GPL Laboratories
Release Number.....: Shaw FUDS MMRP Site-0

Matrix.....: WATER
Reporting Units.....: ug/L

DCL Preparation Group: Not Applicable
Date Prepared.....: 27-SEP-06 00:00
Preparation Method...: PerchlorateLCMS

DCL Sample Name...: QC-250891-1
Date Printed.....: 29-SEP-06 14:09

DCL Analysis Group: G068V020
Analysis Method...: CLO4-LC/MS
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPX
☒ Primary
☐ Confirmation

QC Limit Type.....: Method

Analytical Results

Analyte	Date Analyzed	Target	Result	Percent Recovery	QC Limits	QC Flag
Perchlorate	27-SEP-06 20:27	1.00	0.909	90.9	85.0/115.	

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FAX (801) 268-9992 E-mail: lab@datachem.com

DATA CHEM LABORATORIES
A Sorenson Company

FORM C (TYPE I)
SINGLE METHOD ANALYSES

QUALITY CONTROL DATA SHEET
BLANK SAMPLE

Form RLIMS63C-V1.4
09290614094001
Page 5

S068V04T

Client Name.....: GPL Laboratories
Release Number.....: Shaw FUDS MMRP Site-0

Matrix.....: WATER
Reporting Units.....: ug/L

DCL Preparation Group: Not Applicable
Date Prepared.....: 27-SEP-06 00:00
Preparation Method...: PerchlorateLCMS

DCL Sample Name...: BL-250891-1
Date Printed.....: 29-SEP-06 14:09

DCL Analysis Group: G068V020
Analysis Method...: LC-MS-CLO4
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPX
☒ Primary
☐ Confirmation

QC Limit Type.....: Method

Analytical Results

Analyte	Date Analyzed	Result	MDL	CRDL
Perchlorate	27-SEP-06 20:05	ND	0.0612	0.200

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547
Phone (801) 266-7700 Web Page: www.datachem.com
FAX (801) 268-9992 E-mail: lab@datachem.com

DATA CHEM LABORATORIES
A Sorenson Company

FORM F (TYPE I)
SINGLE METHOD ANALYSES

QUALITY CONTROL DATA SHEET
MATRIX SPIKE SAMPLE
MATRIX SPIKE DUPLICATE SAMPLE

Form RLIMS63F-V1.4
09290614094001
Page 6

S068M01W

Client Name.....: GPL Laboratories
Release Number.....: Shaw FUDS MMRP Site-0

Matrix.....: WATER
Reporting Units.....: ug/L

DCL Preparation Group: Not Applicable
Date Prepared.....: 27-SEP-06 00:00
Preparation Method...: PerchlorateLCMS

DCL Sample Name...: 06E04377MS
Date Printed.....: 29-SEP-06 14:09

DCL Analysis Group: G068V020
Analysis Method...: CLO4-LC/MS
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPX
☒ Primary
☐ Confirmation

QC Limit Type.....: Method

Analytical Results

Analyte	Date Analyzed	Sample Result	Spiked Result	Spike Added	Percent Recovery	QC Limits	QC Flag
Perchlorate	27-SEP-06 21:10	0.0943	5.11	5.00	100.	80.0/120.	

S068M01X

DCL Sample Name...: 06E04377MSD

Analytical Results

Analyte	Date Analyzed	Duplicate Result	Percent Recovery	Mean	Range	RPD	QC Limits	QC Flag
Perchlorate	27-SEP-06 21:31	5.19	102.	5.15	0.0813	1.6	0.00/15.0	

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547
Phone (801) 266-7700 Web Page: www.datachem.com
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OLOE-0607 OLOE-0624

GPL Laboratories

Chain of Custody Form for Subcontracted Analyses

GPL Laboratories
7210A Corporate CT, Frederick, MD 21703
Phone: 301 694-5310
Fax: 301 620-0731

W.O. No.: 609089
P.O. No.: "07262006"
Project Name: Camp Addair - Show FUDS MMRP
Project Number: Show FUDS MMRP Site -017

Samples Transferred To:
DATA CHEM LABORATORIES
960 W. LeVoy DRIVE
SALT LAKE CITY, UT 84123
Attn: Kevin GRIFFITHS
Phone: (801) 904-4302
(801) 266-7700 x 302

OLOE04383

Lab Sample ID	Field Sample ID	Date Sampled	Time Sampled	Matrix	Analyses Required	Method	Type of Container	Preservative
609089-003-003-1/3	NWO-017-3008	13-SEP-06	17:20	WATER	Perchlorate By ~~SW8321~~ Reliable - DCL SOP LCMS-CLO4	E314.0_EXT_NR	VOA CLEAR	COOL
609089-003-004-2/3	NWO-017-3008	13-SEP-06	17:20	WATER	Perchlorate By ~~SW8321~~ Reliable - DCL SOP LCMS-CLO4	E314.0_EXT_NR	VOA CLEAR	COOL
609089-003-005-3/3	NWO-017-3008	13-SEP-06	17:20	WATER	Perchlorate By ~~SW8321~~ Reliable - DCL SOP LCMS-CLO4	E314.0_EXT_NR	VOA CLEAR	COOL

Carrier: FedEx Priority overnight Airbill No.: 7915 5279 4361

Report Due On: 10/3/06 Send Report Attn: Tim Mikesell @ Above Address Perform Q.C. on Sample: _____

Condition Upon Receipt: _____

Comments: Analyze Samples based on DCL SOP (LCMS-CLO4-Rev2) 7/19/06 - Reference DCL SOP for Method on all Reports and Lab write-ups (Do not Ref any other method.)
** This is one Sample w/ three Containers **

Samples Relinquished By: [illegible] Date: 9/19/06 Time: 6PM Samples Received By: S Conley Date: 9/20/06 Time: 1000

Analytical Report For 609093

for

Shaw E&I, Inc

Project Manager: Tim Roth

Project Name: Camp Addair - Shaw FUDS MMRP Site - 017

GPL

Laboratories

GPL Laboratories, LLLP certifies that the test results meet all requirements of the NELAC Standards unless otherwise noted.

Pat Wuebschm

Reviewed By,
Project Manager

Approved By,
Laboratory Director

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Sample Analysis Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Four water samples were received on 09/16/2006. The samples were delivered by Federal Express. Sample receipt conditions and temperatures are documented on the Sample Receipt checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Sample Analysis Summary Report. In some chromatographic analyses, manual integration is used instead of automated integration because it produces more accurate results. All manual integrations are denoted on the sample quantitation report. Analysis results and limits for soil are reported on a dry weight basis unless otherwise specified on the report.

Explosives/Propellants

PETN Analyses

Two water samples were extracted and analyzed for PETN using the modified SW846 method 8330A.

All extraction and analysis holding times were met.

The surrogate recoveries were within the QC limits.

Due to insufficient volume of sample, BKSD was shared with GPL workorder 608189. The percent recoveries were within the QC limits.

A laboratory control sample was extracted and analyzed with the batch. The percent recovery was within the QC limits.

Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate.

Explosives

Two water samples were extracted and analyzed for explosive compounds, including Nitroglycerine, using the SW846 method 8330.

The extraction and analysis holding times were met.

All surrogate recoveries were within the QC limits.

The matrix spike and matrix spike duplicate analyses were not done due to insufficient sample volume; instead, duplicate laboratory control samples were extracted and analyzed with the batch.Percent recovery for 1,3,5-trinitrobenzene and HMX was slightly below the QC limits in both the BKS93852 and the BKSD93852.
Recovery of Nitroglycerine was within the QC limits.

Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate.

Metals

One water sample was analyzed for HSL plus molybdenum, strontium, and titanium; one water for lead only; two water samples for aluminum, antimony, barium, cadmium, chromium, copper, cobalt, iron, lead, magnesium, manganese, molybdenum, nickel,

strontium, titanium, and zinc; three water samples for mercury by EPA SW846 methods. The samples were analyzed by ICPMS in order to meet the required reporting limits.

On form one, The software flags all results for specific elements with a B qualifier if they have a result above two times the MDL and less than ½ the reporting limit for a continuing calibration blank, initial calibration blank or interference check solution A.

A matrix spike, matrix spike duplicate, and serial dilution were shared with GPL work order 609088-001 for all required ICPMS analytes. They were within the control limits.

A matrix spike and matrix spike duplicate were shared with GPL work order 609112-005 for mercury. They were within the control limits.

Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

All GPL QA/QC criteria were met.

Subcontract Analysis

Samples were sent to an approved GPL subcontract laboratory for perchlorates by Method SW8321. The complete package has been included for your review.

Reviewed By,
Project Manager

Approved By,
Laboratory Director

Sample Summary Report

Shaw E&I, Inc

Work Order: 609093

Client Sample ID	Lab Sample ID	Analytical Method	Matrix	Date Sampled	Date Recieved
NWO-017-3002	609093-001-001-1/1	SW6020	WATER	09/14/2006	09/16/2006
NWO-017-3009	609093-004-011-1/2	SW8330	WATER	09/14/2006	09/16/2006
	609093-004-011-1/2	SW8330A			
	609093-004-014-1/1	SW6020_MM			
	609093-004-014-1/1	SW7470A			
NWO-017-3010	609093-002-009-1/2	SW8330	WATER	09/14/2006	09/16/2006
	609093-002-009-1/2	SW8330A			
	609093-002-013-1/1	SW6020_MM			
	609093-002-013-1/1	SW7470A			
NWO-017-6001	609093-003-002-1/1	SW6020	WATER	09/14/2006	09/16/2006
	609093-003-002-1/1	SW7470A			

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3002	Lab Sample ID:	609093-001-001-1/1
Sample Date/Time:	09/14/2006 12:30	Percent Moisture:	NA
Receipt Date/Time:	09/16/2006 14:36	Preparation Method:	SW3010A
Prepared Date/Time:	09/21/2006 00:00	Analytical Method:	SW6020

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Lead	0.51	J	2	1	ug/L	09/28/06	23:16

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3010	Lab Sample ID:	609093-002-009-1/2
Sample Date/Time:	09/14/2006 11:20	Percent Moisture:	NA
Receipt Date/Time:	09/16/2006 14:36	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/20/2006 13:45	Analytical Method:	SW8330

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Nitroglycerine	BQL	U	21	1	ug/L	09/28/06	14:38
2)	Pentaerythritol Tetranitrate	BQL	U	1.1	1	ug/L	09/26/06	17:12

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
3)	4-Nitroaniline	83 %	37 - 149	1	09/26/06	17:12

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3010	Lab Sample ID:	609093-002-009-1/2
Sample Date/Time:	09/14/2006 11:20	Percent Moisture:	NA
Receipt Date/Time:	09/16/2006 14:36	Preparation Method:	SW3535
Prepared Date/Time:	09/20/2006 00:00	Analytical Method:	SW8330A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	1,3,5-Trinitrobenzene	BQL	U	0.21	1	ug/L	09/28/06	14:38
2)	1,3-Dinitrobenzene	BQL	U	0.21	1	ug/L	09/28/06	14:38
3)	2,4,6-Trinitrotoluene	BQL	U	0.21	1	ug/L	09/28/06	14:38
4)	2,4-Dinitrotoluene	BQL	U	0.21	1	ug/L	09/28/06	14:38
5)	2,6-Dinitrotoluene	BQL	U	0.21	1	ug/L	09/28/06	14:38
6)	2-Amino-4,6-Dinitrotoluene	BQL	U	0.21	1	ug/L	09/28/06	14:38
7)	4-Amino-2,6-Dinitrotoluene	BQL	U	0.21	1	ug/L	09/28/06	14:38
8)	HMX	BQL	U	0.42	1	ug/L	09/28/06	14:38
9)	Nitrobenzene	BQL	U	0.21	1	ug/L	09/28/06	14:38
10)	RDX	BQL	U	0.42	1	ug/L	09/28/06	14:38
11)	Tetryl	BQL	U	0.42	1	ug/L	09/28/06	14:38
12)	m-Nitrotoluene	BQL	U	0.42	1	ug/L	09/28/06	14:38
13)	o-Nitrotoluene	BQL	U	0.42	1	ug/L	09/28/06	14:38
14)	p-Nitrotoluene	BQL	U	0.42	1	ug/L	09/28/06	14:38

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
15)	4-Nitroaniline	76 %	37 - 149	1	09/28/06	14:38

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3010	Lab Sample ID:	609093-002-013-1/1
Sample Date/Time:	09/14/2006 11:20	Percent Moisture:	NA
Receipt Date/Time:	09/16/2006 14:36	Preparation Method:	SW3010A
Prepared Date/Time:	09/21/2006 00:00	Analytical Method:	SW6020_MM

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) Aluminum	6.1	J	100	1	ug/L	09/28/06	23:22
2) Antimony	BQL	U	1	1	ug/L	09/28/06	23:22
3) Barium	0.79	JB	5	1	ug/L	09/28/06	23:22
4) Cadmium	BQL	U	0.5	1	ug/L	09/28/06	23:22
5) Chromium	BQL	U	2	1	ug/L	09/28/06	23:22
6) Cobalt	BQL	UB	1	1	ug/L	09/28/06	23:22
7) Copper	1.4	J	2	1	ug/L	09/28/06	23:22
8) **Iron**	**94.7**		**50**	**1**	**ug/L**	**09/28/06**	**23:22**
9) Lead	0.40	J	2	1	ug/L	09/28/06	23:22
10) **Magnesium**	**13000**		**100**	**1**	**ug/L**	**09/28/06**	**23:22**
11) **Manganese**	**39.2**		**2**	**1**	**ug/L**	**09/28/06**	**23:22**
12) Molybdenum	0.33	J	5	1	ug/L	09/28/06	23:22
13) **Nickel**	**1.1**		**1**	**1**	**ug/L**	**09/28/06**	**23:22**
14) **Strontium**	**115**		**2**	**1**	**ug/L**	**09/28/06**	**23:22**
15) **Titanium**	**2.3**		**2**	**1**	**ug/L**	**09/28/06**	**23:22**
16) Zinc	9.7	J	10	1	ug/L	09/28/06	23:22

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3010	Lab Sample ID:	609093-002-013-1/1
Sample Date/Time:	09/14/2006 11:20	Percent Moisture:	NA
Receipt Date/Time:	09/16/2006 14:36	Preparation Method:	SW7470A_DIG
Prepared Date/Time:	09/29/2006 19:00	Analytical Method:	SW7470A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Mercury	BQL	U	0.2	1	ug/L	10/02/06	16:57

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-6001	Lab Sample ID:	609093-003-002-1/1
Sample Date/Time:	09/14/2006 00:00	Percent Moisture:	NA
Receipt Date/Time:	09/16/2006 14:36	Preparation Method:	SW3010A
Prepared Date/Time:	09/21/2006 00:00	Analytical Method:	SW6020

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Aluminum	65.1	J	100	1	ug/L	09/28/06	23:29
2)	Antimony	0.17	J	1	1	ug/L	09/28/06	23:29
3)	Arsenic	BQL	U	5	1	ug/L	09/28/06	23:29
4)	**Barium**	**20.0**	**B**	**5**	**1**	**ug/L**	**09/28/06**	**23:29**
5)	Beryllium	BQL	U	0.2	1	ug/L	09/28/06	23:29
6)	Cadmium	BQL	U	0.5	1	ug/L	09/28/06	23:29
7)	**Calcium**	**17800**		**1000**	**1**	**ug/L**	**09/28/06**	**23:29**
8)	Chromium	BQL	U	2	1	ug/L	09/28/06	23:29
9)	Cobalt	0.28	JB	1	1	ug/L	09/28/06	23:29
10)	**Copper**	**9.7**		**2**	**1**	**ug/L**	**09/28/06**	**23:29**
11)	**Iron**	**188**		**50**	**1**	**ug/L**	**09/28/06**	**23:29**
12)	Lead	0.50	J	2	1	ug/L	09/28/06	23:29
13)	**Magnesium**	**6850**		**100**	**1**	**ug/L**	**09/28/06**	**23:29**
14)	**Manganese**	**85.2**		**2**	**1**	**ug/L**	**09/28/06**	**23:29**
15)	Molybdenum	1.2	J	5	1	ug/L	09/28/06	23:29
16)	**Nickel**	**1.8**		**1**	**1**	**ug/L**	**09/28/06**	**23:29**
17)	Potassium	469	J	1000	1	ug/L	09/28/06	23:29
18)	Selenium	BQL	U	5	1	ug/L	09/28/06	23:29
19)	Silver	BQL	UB	0.3	1	ug/L	09/28/06	23:29
20)	**Sodium**	**8990**		**1000**	**1**	**ug/L**	**09/28/06**	**23:29**
21)	**Strontium**	**73.8**		**2**	**1**	**ug/L**	**09/28/06**	**23:29**
22)	Thallium	BQL	UB	2	1	ug/L	09/28/06	23:29
23)	**Titanium**	**5.4**		**2**	**1**	**ug/L**	**09/28/06**	**23:29**
24)	Vanadium	4.6	J	10	1	ug/L	09/28/06	23:29
25)	**Zinc**	**45.3**		**10**	**1**	**ug/L**	**09/28/06**	**23:29**

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-6001	Lab Sample ID:	609093-003-002-1/1
Sample Date/Time:	09/14/2006 00:00	Percent Moisture:	NA
Receipt Date/Time:	09/16/2006 14:36	Preparation Method:	SW7470A_DIG
Prepared Date/Time:	09/29/2006 19:00	Analytical Method:	SW7470A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Mercury	BQL	U	0.2	1	ug/L	10/02/06	16:59

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3009	Lab Sample ID:	609093-004-011-1/2
Sample Date/Time:	09/14/2006 18:05	Percent Moisture:	NA
Receipt Date/Time:	09/16/2006 14:36	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/20/2006 13:45	Analytical Method:	SW8330

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Nitroglycerine	BQL	U	21	1	ug/L	09/28/06	15:35
2)	Pentaerythritol Tetranitrate	BQL	U	1.0	1	ug/L	09/26/06	18:37

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
3)	4-Nitroaniline	74 %	37 - 149	1	09/26/06	18:37

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3009	Lab Sample ID:	609093-004-011-1/2
Sample Date/Time:	09/14/2006 18:05	Percent Moisture:	NA
Receipt Date/Time:	09/16/2006 14:36	Preparation Method:	SW3535
Prepared Date/Time:	09/20/2006 00:00	Analytical Method:	SW8330A

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) 1,3,5-Trinitrobenzene	BQL	U	0.21	1	ug/L	09/28/06	15:35
2) 1,3-Dinitrobenzene	BQL	U	0.21	1	ug/L	09/28/06	15:35
3) 2,4,6-Trinitrotoluene	BQL	U	0.21	1	ug/L	09/28/06	15:35
4) 2,4-Dinitrotoluene	BQL	U	0.21	1	ug/L	09/28/06	15:35
5) 2,6-Dinitrotoluene	BQL	U	0.21	1	ug/L	09/28/06	15:35
6) 2-Amino-4,6-Dinitrotoluene	BQL	U	0.21	1	ug/L	09/28/06	15:35
7) 4-Amino-2,6-Dinitrotoluene	BQL	U	0.21	1	ug/L	09/28/06	15:35
8) HMX	BQL	U	0.41	1	ug/L	09/28/06	15:35
9) Nitrobenzene	BQL	U	0.21	1	ug/L	09/28/06	15:35
10) RDX	BQL	U	0.41	1	ug/L	09/28/06	15:35
11) Tetryl	BQL	U	0.41	1	ug/L	09/28/06	15:35
12) m-Nitrotoluene	BQL	U	0.41	1	ug/L	09/28/06	15:35
13) o-Nitrotoluene	BQL	U	0.41	1	ug/L	09/28/06	15:35
14) p-Nitrotoluene	BQL	U	0.41	1	ug/L	09/28/06	15:35

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
15) 4-Nitroaniline	75 %	37 - 149	1	09/28/06	15:35

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3009	Lab Sample ID:	609093-004-014-1/1
Sample Date/Time:	09/14/2006 18:05	Percent Moisture:	NA
Receipt Date/Time:	09/16/2006 14:36	Preparation Method:	SW3010A
Prepared Date/Time:	09/21/2006 00:00	Analytical Method:	SW6020_MM

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Aluminum	BQL	U	100	1	ug/L	09/28/06	23:35
2)	Antimony	BQL	U	1	1	ug/L	09/28/06	23:35
3)	**Barium**	**14.7**	**B**	**5**	**1**	**ug/L**	**09/28/06**	**23:35**
4)	Cadmium	BQL	U	0.5	1	ug/L	09/28/06	23:35
5)	Chromium	BQL	U	2	1	ug/L	09/28/06	23:35
6)	Cobalt	0.018	JB	1	1	ug/L	09/28/06	23:35
7)	**Copper**	**4.0**		**2**	**1**	**ug/L**	**09/28/06**	**23:35**
8)	Iron	28.7	J	50	1	ug/L	09/28/06	23:35
9)	Lead	0.41	J	2	1	ug/L	09/28/06	23:35
10)	**Magnesium**	**1760**		**100**	**1**	**ug/L**	**09/28/06**	**23:35**
11)	**Manganese**	**16.2**		**2**	**1**	**ug/L**	**09/28/06**	**23:35**
12)	Molybdenum	0.67	J	5	1	ug/L	09/28/06	23:35
13)	**Nickel**	**1.1**		**1**	**1**	**ug/L**	**09/28/06**	**23:35**
14)	**Strontium**	**63.3**		**2**	**1**	**ug/L**	**09/28/06**	**23:35**
15)	Titanium	1.0	J	2	1	ug/L	09/28/06	23:35
16)	**Zinc**	**18.4**		**10**	**1**	**ug/L**	**09/28/06**	**23:35**

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3009	Lab Sample ID:	609093-004-014-1/1
Sample Date/Time:	09/14/2006 18:05	Percent Moisture:	NA
Receipt Date/Time:	09/16/2006 14:36	Preparation Method:	SW7470A_DIG
Prepared Date/Time:	09/29/2006 19:00	Analytical Method:	SW7470A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Mercury	BQL	U	0.2	1	ug/L	10/02/06	17:02

Qualifier Definitions

Shaw E&I, Inc

Work Order: 609093

All Departments

U Indicates that the compound was analyzed for but not detected

BQL Below Quantitation Limit

Organics

B Indicates that the analyte was found in the associated blank as well as in the sample

D Indicates that the analyte was reported from a diluted analysis

E Indicates that the concentration detected exceeded the calibration range of the instrument

J Value is less than the reporting limit but greater than the MDL

P Indicates that there is greater than 25% difference for detected pesticide/Arochlor results between the two GC columns

Metals

J Indicates that the reported value was less than the reporting limit but greater than or equal to the IDL/MDL

E Indicates that the reported value is estimated because of the possible presence of interference (i.e. the serial dilution not within control limits)

H Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit

D Indicates that the analyte was reported from a diluted analysis

N Spiked sample recovery not within control limits

* Duplicate analysis not within control limits

GPL Laboratories

CHAIN OF CUSTODY

CoC Number: NWO017-015

PAGE: 1 OF 1

GPL Project Manager: Jim Mizell	Client Name: Shaw Environmental, Inc. Tim Raly	Phone: 865-366-5275	Disposal Instructions:
Project Name: MMRP FUDS	Address: 312 Cherokee Drive	Cell	Shipment Method: Fedex
Project Number: 17183	City State: Knoxville, TN	Zip Code: 37923	Waybill Number:

Comments: HeKain Archive Project: Camp Adair MMS Site 17; Range Complex Site 6

Preservatives and Containers

Shaw MMRP FUDS Site - 017 Camp Addair

Sample Information						Methods for Analysis										
No.	FIELD Sample ID	Date Sampled	Time Sampled	Matrix	Sampler's Initials	Lead by SW-846 6020A	Perchlorate by SW-846 6850A (Field Filtered)								Filtered	Total Bottles
A015	NWO-017-3002	9-14-06	1230	GW	MJA	X	X								Y	4

Sample Matrix: WG= Groundwater; SO= Soil; WS= Surface Water; WQ= Water Quality

TAT Requirement: 21 Days

Total number of samples: 2

Relinquished By:	Date:	Time:
[signature]	9-15-06	0930
Received By:	Date:	Time:
Relinquished By:	Date:	Time:
Received By: [signature]	9/16/06	10:20
Relinquished By:	Date:	Time:

For Lab Use

GPL WORK ORDER #: 609093

PURCHASE ORDER #:

COOLER RECEPT CONDITION

GPL Laboratories, LLLP
7210A Corporate CT, Frederick, MD 21703
Tel. (301)694-5310 Fax (301)620-0731

Chain of Custody

Shaw E&I, Inc

SDG: 609093

GPL

CHAIN OF CUSTODY

Shaw MKRP FUDS Site - OTT Camp Addair

Chain of Custody Number: NWO017-021

PAGE 1 OF 1

| No. | FIELD Sample ID | Date Sampled | Time Sampled | Matrix | Sample Type | | |

Chain of Custody

Shaw E&I, Inc

SDG: 609093

GPL LABORATORIES

CHAIN OF CUSTODY

CoC Number: NWC017-024

PAGE ___ OF ___

GPL Project Manager: Ian Weeks
Project Name: FUDS MMRP
Project Number: TF-94
Contact: [redacted]
Company: Shaw Environmental, Inc.
Address: 3836 Greenridge Drive
City, State: Knoxville, TN
Phone: [redacted]
Fax: [redacted]
Sampler: [redacted]
Cell: [redacted]
Pager: [redacted]
Shipping Method: Fedex
Shipping Tracking #: [redacted]

Shaw MMRP FUDS Site - 017 Camp Addair

Sample Containers and Conditions

Schedule for Analysis

No.	FIELD Sample ID	Date Sampled	Time Sampled	Matrix	Sampler's Initials	TAL Metals (including titanium and strontium) by SW-846 6020A	Mercury by SW-846 7470A	Perchlorate by SW-846 6850A (Modified)	Filtered (Metals & Perchlorate only)	TOTAL BOTTLES
1	NWC017020	[redacted]	[redacted]	GW	[redacted]	X	X	X	X	4

500ml Poly w/HNO3, 4 °C

3 x 40 ml VOA Vial/4 oC

Sample Matrix: WGW=Groundwater, SOW=Soil, RSW=Surface Water, WQW=Water Quality

Relinquished By: [redacted] Date: 9-15-06 Time: [redacted]
Received By: [redacted] Date: [redacted] Time: [redacted]
Relinquished By: [redacted] Date: [redacted] Time: [redacted]
Received By: [redacted] Date: [redacted] Time: [redacted]
Relinquished By: [redacted] Date: [redacted] Time: [redacted]

TAT Requirements: 21 Days
For Lab Use: Total number of samples
COOLER RECEIPT CONDITION

GPL WORK ORDER #: 609093

PURCHASE ORDER #: ____

Chain of Custody

Shaw E&I, Inc

SDG: 609093

GPL

CHAIN OF CUSTODY

Project Name: Shaw MARP FUDS Site - 017 Camp Addair

Sample Information

No.	FIELD Sample ID	Date Sampled	Time Sampled	Matrix	Sampler's Initials		Preservative and Containers
1	NW0017-020	9-15-06	0830	SOIL	[illegible]	Aluminum, antimony, barium, cadmium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, strontium, titanium, vanadium by SW-846 6020A	500mL Poly w/ HNO_3 / 4°C
						Mercury by SW-846 7470A	
						Explosives by SW846 8330A	2 x 1 L Amber Glass / 4°C
						Nitroglycerin by SW846 8330A (Modified)	
						PETN by SW846 8330A (Modified)	
						Perchlorate by SW-846 6850A (Modified)	3 x 40 mL VOA Vial / 4°C
						Filtered (Metals & Perchlorate only)	
					6	TOTAL BOTTLES	

Sample Matrix: WW=Wastewater, SO=Soil, WS=Surface Water, WQ=Water Quality

Relinquished By: [illegible] Date: 9-15-06 Time: 0830

Received By: [illegible] Date: Time:

Relinquished By: [illegible] Date: Time:

Received By: [illegible] Date: Time:

Relinquished By: [illegible] Date: Time:

GPL WORK ORDER #: [illegible]

PURCHASE ORDER #: _____

TAT Requirements: 21 Days

For Lab Use: COOL, UNBROKEN CONDITION

Total number of samples: 3

Page: 1 of 1

NW0017-020

GPL Laboratories

Chain of Custody Form for Subcontracted Analyses

Page 1 of 9

GPL Laboratories
7210A Corporate CT, Frederick, MD 21703
Phone: 301 694-5310
Fax: 301 620-0731

W.O. No.: 609093
P.O. No.:
Project Name: Camp Addair - Shaw FUDS MMRP
Project Number: Shaw FUDS MMRP Site-017

Samples Relinquished By:
Attn:
Phone:

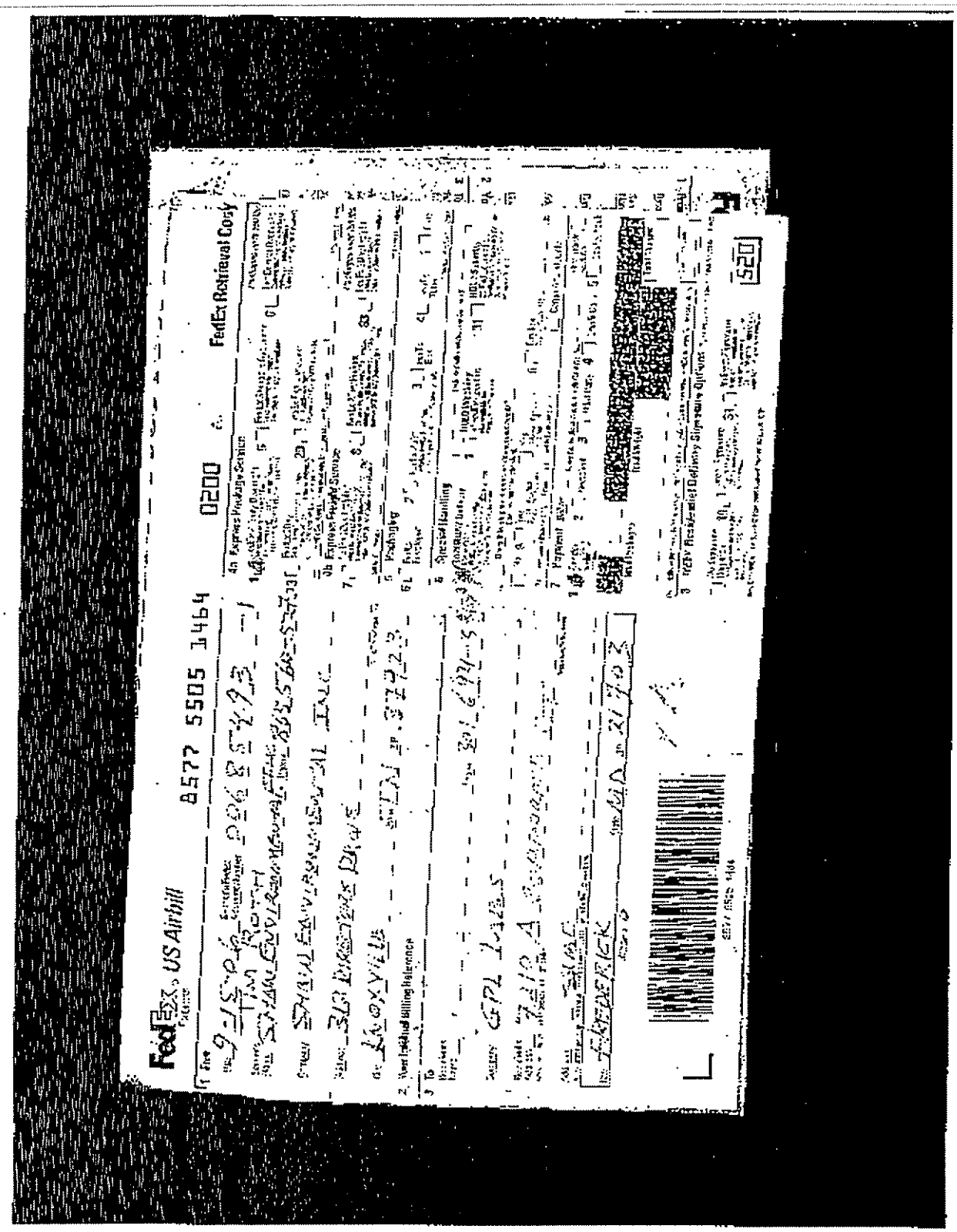
Lab Sample ID	Field Sample ID	Date Sampled	Time Sampled	Matrix	Analyses Required	Method	Type of Container	Preservative
609093-001-001-0/3	NWO-017-3002	14-SEP-06	12:30	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609093-001-001-2/3	NWO-017-3002	14-SEP-06	12:30	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609093-001-002-3/3	NWO-017-3002	14-SEP-06	12:30	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609093-002-016-0/3	NWO-017-3010	14-SEP-06	11:20	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609093-002-016-2/3	NWO-017-3010	14-SEP-06	11:20	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609093-002-016-3/3	NWO-017-3010	14-SEP-06	11:20	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609093-003-030-0/3	NWO-017-5001	14-SEP-06	00:00	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609093-003-030-2/3	NWO-017-5001	14-SEP-06	00:00	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609093-003-030-3/3	NWO-017-5001	14-SEP-06	00:00	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609093-004-019-0/3	NWO-017-3009	14-SEP-06	18:05	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609093-004-019-2/3	NWO-017-3009	14-SEP-06	18:05	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609093-004-019-3/3	NWO-017-3009	14-SEP-06	18:05	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL

Carrier:
Airbill No.:
Report Due On:
Send Report Attn:
Perform Q.C. on Sample:
Condition Upon Receipt:
Comments:
Samples Relinquished By: Date: Time:
Samples Received By: Date: Time:

Chain of Custody

Shaw E&I, Inc

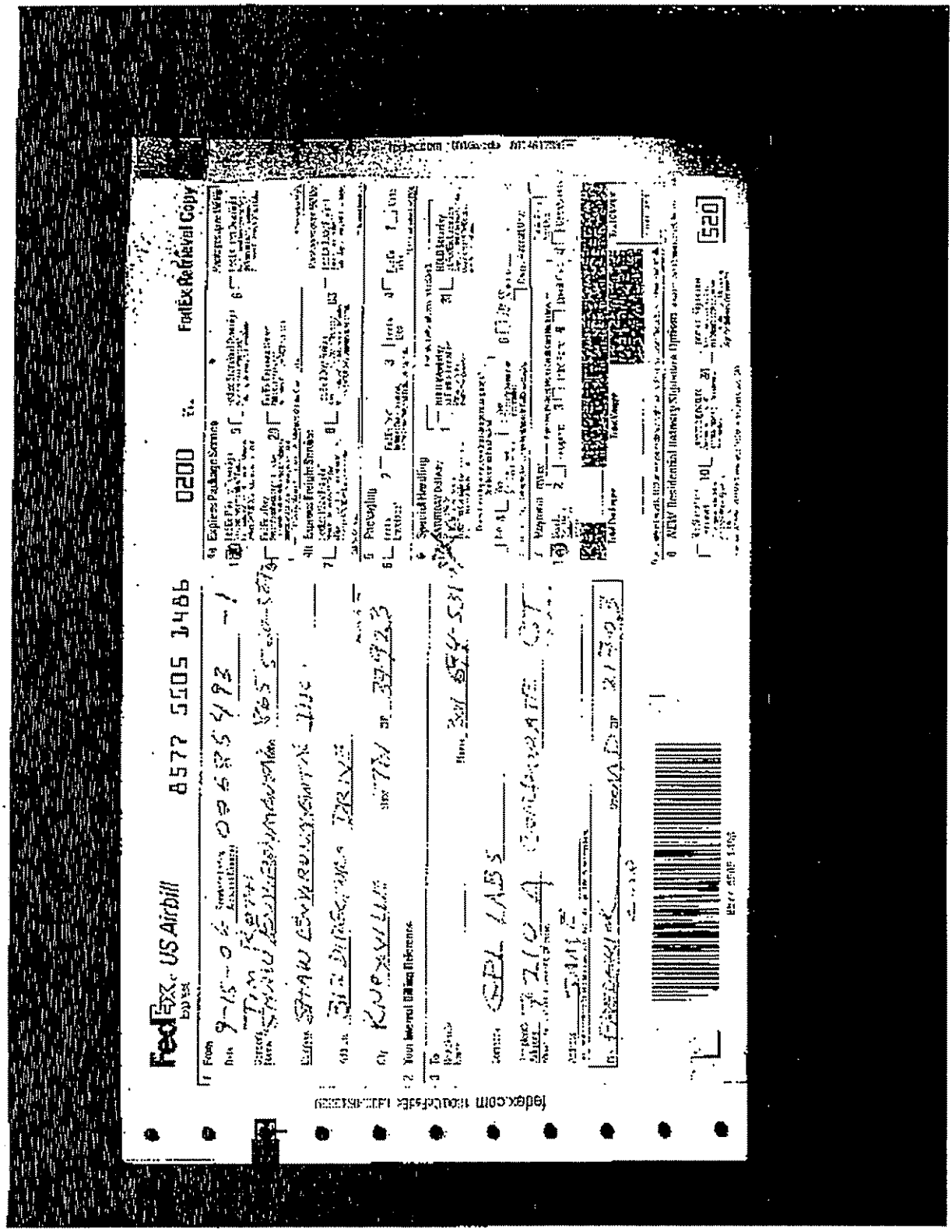
SDG: 609093



Chain of Custody

Shaw E&I, Inc

SDG: 609093



Chain of Custody

Shaw E&I, Inc

SDG: 609093

GPL Laboratories, LLLP

Figure 1
SAMPLE RECEIPT CHECKLIST

W.O. No: 609093
Client Name: Shaw
Date Received: 9/16/06
Time Received: 10:30
Received By: [illegible]

Carrier Name: [illegible]
Prepared (Logged In) By: MD 9/19/06 (Initials Date)
Project:
Site:
VOA Holding Block I.D. No:

	YES	NO
Airbill/Manifest Present?	✓	
No		
Shipping Container in Good Condition?	✓	
Custody Seals Present on Shipping Container?		✓
Condition: Broken		
Intact-not dated or signed		
Intact-dated and signed	✓	
Usage of Tamper Evident Tape	✓	
Chain-of-Custody Present?	✓	
Chain-of-Custody Agrees with Sample Labels?	✓	
Chain-of-Custody Signed?	✓	
Packing Present in Shipping Container?	✓	
Type of Packing: Bubble wrap		
Custody seals on Sample Bottles?	✓	
Condition: Good		
Broken		
Total Number of Sample Bottles: 20		
Total Number of Samples: 9		
Samples Intact?	✓	
Sufficient Sample Volume for Indicated Test?	✓	

	YES	NO
Trip Blanks: No. of Sets		✓
Field Blanks: No. of Sets		✓
Equip. Blank: No. of Sets		✓
Field Duplicate: No. of Sets		✓
MS/MSD: No. of Sets		✓
VOA Vials Have Zero Headspace?		
If no, smaller or greater than a Green Pea (see comments)		
Preservatives Added to Sample?		✓
pH Check Required?		✓
Performed By?		✓
Ice Present in Shipping Container?	✓	

Container #	Temp.	Container #	Temp.
1	2-4°	2	2-4°

Project Manager Contacted? [illegible]
Name:
Date Contacted: 9/19/06

Any NO responses must be detailed in the comments section below. If items are not applicable to particular samples or contracts, they should be marked N/A.

COMMENTS: Sample (N00-DT1-6001) do not have any date or time
Sample 609093-003
Have sy 9/14/06 as date as from the rest of Cir.
Time is 00:00

Checklist Completed By: [illegible]
Date: 9/19/06

SOP No. F.2V1.5

SUBCONTRACTED ANALYSES

GPL Laboratories

609093

DATA CHEM
LABORATORIES
A Sorenson Company

Case Narrative

Method(s): LC/MS-CLO4
Analysis: Perchlorate
Analysis SOP: LC-MS-CL04
DCL Set ID(s): 06E-0624-01; 06E-0615-01

Client: GPL Laboratories
Account: 08001
Matrix: Water
Group: G068V020

General Set Information: There were five field samples in these sets. The samples were analyzed for perchlorate.

Method Summary: Each sample was prepared as noted below and analyzed using an Agilent 1100 LC/MSD system in select ion monitoring (SIM) mode at m/z 83 and 85, which corresponds to the loss of one oxygen atom from the perchlorate molecule. ChemStation software was used for instrument control and data analysis. The ion ratio of m/z 83 to 85 was used to positively identify the response peak as perchlorate. Quantitation was performed using the m/z 83 peak area. An internal standard of ^{18}O labeled perchlorate was added to each sample to establish the perchlorate peak retention time and used in quantitation.

Sample Preparation: A 9.95mL aliquot of each sample, including standards, was transferred into a 15-mL centrifuge tube. 50µL of an ^{18}O labeled perchlorate solution was added to each sample as an internal standard. The samples were then capped, vortexed, and filtered into autosampler vial using Pall 0.45µm Ion Chromatography Acrodiscs.

Holding Times: Holding times were met for all samples.

Dilutions: No dilutions were necessary.

Method QC data: The method blank (BL-250891-1) was less than 1/2 the CRDL. The recovery for QC-250891-1 was within method parameters.

MS/MSD Analysis: The matrix spike and matrix spike duplicate were performed on another client's sample (DCL # 06E04377) from the same analytical group. The recovery and RPD were within acceptable parameters.

Instrument QC: Instrument initial and continuing calibrations were performed in accordance with published procedures.

NC/CAR(s): None were required for this group.

Sample Calculation: Samples were reported in µg/L. Results were calculated in µg/L by the equation (A)x(B),

where: A = Analyte concentration from the standard curve (µg/L)
B = Dilution performed at time of analysis

Miscellaneous Comments: None.

September 29, 2006

Thomas T. McKay Date

DATA CHEM LABORATORIES, INC.

Analytical Results

Data Package Table of Contents

Information pertaining to this data package is divided into the four categories listed below. If applicable, a Case Narrative immediately precedes this Table of Contents and contains pertinent information about this data package.

Analytical Results ..... Yellow
Sample Tracking Documentation ..... Pink
Analytical Documentation ..... Blue
Raw Data ..... Green

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COVER PAGE

ANALYTICAL REPORT FOR GPL Laboratories

Phone(801) 525-0456 Fax(801) 525-0457
E-mail: mikesellts@earthlink.net

Form COVER-V1.4
09290614154175
Page 1
G068P01M

Sep 29, 06

DCL Report Group..: 06E-0615-01

Date Printed.....: 29-SEP-06 14:15

Project Protocol #: P04BG001
Client Ref Number.: Shaw-FUDS MMRP-Sit
Release Number....: Shaw-FUDS MMRP-Sit

Analysis Method(s): LC-MS-CLO4

GPL Laboratories
Attention: Tim Mikesell
7210A Corporate CT.
Frederick, MD 21703

Client Sample Name	Laboratory Sample Name	Date Sampled	Date Received
NWO-017-3002|609093001003	06E04439	14-SEP-06	21-SEP-06
NWO-017-3010|609093002015	06E04440	14-SEP-06	21-SEP-06
NWO-017-6001|609093003006	06E04441	14-SEP-06	21-SEP-06
NWO-017-3009|609093004018	06E04442	14-SEP-06	21-SEP-06
Method Blank	BL-250891-1	NA	NA
LCS	QC-250891-1	NA	NA

This report contains 9 pages

Analyst: Thomas T. McKay — Date: 09/29/06

Reviewer: Penny A. Foote — Date: 29-Sep-2006

Lab Supervisor: Reed A. Hendricks — Date: 9-29-06

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547
Phone (801) 266-7700 Web Page: www.datachem.com
FAX (801) 268-9992 E-mail: lab@datachem.com

01

DCL Report Group..: 06E-0615-01
Date Printed.....: 29-SEP-06 14:15

Client Name...: GPL Laboratories

Release Number....: Shaw-FUDS MMRP-Sit

General Information

The DCL QC Database maintains all numerical figures which are input from the pertinent data source. These data have not been rounded to significant figures nor have they been moisture corrected. Reports generated from the system, however, list data which have been rounded to the number of significant figures requested by the client or deemed appropriate for the method. This may create minor discrepancies between data which appear on the QC Summary Forms (Forms B-G) and those that would be calculated from rounded analytical results. Additionally, if a moisture correction is performed, differences will be observed between the QC data and the surrogate data reported on Form A (or other report forms) and corresponding data reported on QC Summary Forms. In these cases, the Form A will indicate the "Report Basis" as well as the moisture value used for making the correction.

DataChem Laboratories, Inc. is accreditated by the State of Utah, Bureau of Laboratory Improvement under NELAP for specific fields of testing as documented in its current scope of accrediation (ID# DATA1) which is available by request or on the internet at http://hlunix.hl.state.ut.us/els/labimp/labcertification/labsutahcert.mdb. The quality systems implemented in the laboratory apply to all methods performed by DataChem regardless of this current scope of accreditation which does not include performance based methods, modified methods and methods applied to matrices not listed in the methods.

Report generation options: BX

Result Symbol Definitions

ND - Not Detected above the MDL (LLD or MDC for radiochemistry).
** - No result could be reported, see sample comments for details.

Qualifier Symbol Definitions

U - Not Detected above the MDL (LLD or MDC for radiochemistry).
B - For organic analyses the qualifier indicates that this analyte was found in the method blank. For inorganic analyses the qualifier signifies the value is between the MDL and PQL.
J - For organic analyses the qualifier indicates that the value is between the MDL and the PQL. It is also used for indicating an estimated value for tentatively identified compounds in mass spectrometry where a 1:1 response is assumed.

QC Flag Symbol Definitions

* - Parameter outside of specified QC limits.

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.4
09290614154175
Page 3

S068P06X

Date Printed.....: 29-SEP-06 14:15

Client Name.....: GPL Laboratories
Client Ref Number....: Shaw-FUDS MMRP-Site 019
Sampling Site.....: Camp Addair
Release Number.....: Shaw-FUDS MMRP-Site 0

Date Received.....: 21-SEP-06 00:00

Client Sample Name: **NWO-017-3002|609093001003**
DCL Sample Name...: **06E04439**
DCL Report Group..: **06E-0615-01**

Matrix.....: WATER
Date Sampled.....: 14-SEP-06 12:30
Reporting Units...: ug/L
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: 27-SEP-06 00:00
Preparation Method...: PerchlorateLCMS
Aliquot Weight/Volume: Not Applicable
Net Weight/Volume....: Not Required

DCL Analysis Group: G068V020
Analysis Method...: LC-MS-CLO4
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPX
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Perchlorate	28-SEP-06 01:49	0.0612	ND		U	1	0.200

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DATA CHEM LABORATORIES
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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S068P06Y

Date Printed.....: 29-SEP-06 14:15

Client Name.....: GPL Laboratories
Client Ref Number....: Shaw-FUDS MMRP-Site 019
Sampling Site.....: Camp Addair
Release Number.....: Shaw-FUDS MMRP-Site 0

Date Received.....: 21-SEP-06 00:00

Client Sample Name: **NWO-017-3010|609093002015**
DCL Sample Name...: **06E04440**
DCL Report Group..: **06E-0615-01**

Matrix.....: WATER
Date Sampled.....: 14-SEP-06 11:20
Reporting Units...: ug/L
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: 27-SEP-06 00:00
Preparation Method...: PerchlorateLCMS
Aliquot Weight/Volume: Not Applicable
Net Weight/Volume....: Not Required

DCL Analysis Group: G068V020
Analysis Method...: LC-MS-CLO4
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPX
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Perchlorate	28-SEP-06 02:11	0.0612	ND		U	1	0.200

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.4
09290614154175
Page 5

S068P06Z

Date Printed.....: 29-SEP-06 14:15

Client Name.....: GPL Laboratories
Client Ref Number....: Shaw-FUDS MMRP-Site 019
Sampling Site.....: Camp Addair
Release Number.....: Shaw-FUDS MMRP-Site 0

Date Received.....: 21-SEP-06 00:00

Client Sample Name: **NWO-017-6001|609093003006**
DCL Sample Name...: **06E04441**
DCL Report Group..: **06E-0615-01**

Matrix.....: WATER
Date Sampled.....: 14-SEP-06 00:00
Reporting Units...: ug/L
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: 27-SEP-06 00:00
Preparation Method...: PerchlorateLCMS
Aliquot Weight/Volume: Not Applicable
Net Weight/Volume....: Not Required

DCL Analysis Group: G068V020
Analysis Method...: LC-MS-CLO4
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPX
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Perchlorate	28-SEP-06 02:32	0.0612	ND		U	1	0.200

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S068P070

Date Printed.....: 29-SEP-06 14:15

Client Name.....: GPL Laboratories
Client Ref Number....: Shaw-FUDS MMRP-Site 019
Sampling Site.....: Camp Addair
Release Number.....: Shaw-FUDS MMRP-Site 0

Date Received.....: 21-SEP-06 00:00

Client Sample Name: NWO-017-3009|609093004018
DCL Sample Name...: 06E04442
DCL Report Group..: 06E-0615-01

Matrix.....: WATER
Date Sampled.....: 14-SEP-06 18:05
Reporting Units...: ug/L
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: 27-SEP-06 00:00
Preparation Method...: PerchlorateLCMS
Aliquot Weight/Volume: Not Applicable
Net Weight/Volume....: Not Required

DCL Analysis Group: G068V020
Analysis Method...: LC-MS-CLO4
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPX
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Perchlorate	28-SEP-06 02:54	0.0612	ND		U	1	0.200

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FORM B (TYPE I)
SINGLE METHOD ANALYSES

Form RLIMS63B-V1.4
09290614154175
Page 7

S068V04V

QUALITY CONTROL DATA SHEET
LABORATORY CONTROL SAMPLE (LCS)

Client Name.....: GPL Laboratories
Release Number.....: Shaw-FUDS MMRP-Site 0

Matrix.....: WATER
Reporting Units.....: ug/L

DCL Preparation Group: Not Applicable
Date Prepared.....: 27-SEP-06 00:00
Preparation Method...: PerchlorateLCMS

DCL Sample Name...: QC-250891-1
Date Printed.....: 29-SEP-06 14:15

DCL Analysis Group: G068V020
Analysis Method...: CLO4-LC/MS
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPX
☒ Primary
☐ Confirmation

QC Limit Type.....: Method

Analytical Results

Analyte	Date Analyzed	Target	Result	Percent Recovery	QC Limits	QC Flag
Perchlorate	27-SEP-06 20:27	1.00	0.909	90.9	85.0/115.	

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FORM C (TYPE I)
SINGLE METHOD ANALYSES

Form RLIMS63C-V1.4
09290614154175

S068V04T

QUALITY CONTROL DATA SHEET
BLANK SAMPLE

Client Name.....: GPL Laboratories
Release Number.....: Shaw-FUDS MMRP-Site 0

Matrix.....: WATER
Reporting Units.....: ug/L

DCL Preparation Group: Not Applicable
Date Prepared.....: 27-SEP-06 00:00
Preparation Method...: PerchlorateLCMS

DCL Sample Name...: BL-250891-1
Date Printed.....: 29-SEP-06 14:15

DCL Analysis Group: G068V020
Analysis Method...: LC-MS-CLO4
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPX
☒ Primary
☐ Confirmation

QC Limit Type.....: Method

Analytical Results

Analyte	Date Analyzed	Result	MDL	CRDL
Perchlorate	27-SEP-06 20:05	ND	0.0612	0.200

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DATA CHEM LABORATORIES
A Sorenson Company

FORM F (TYPE I)
SINGLE METHOD ANALYSES

QUALITY CONTROL DATA SHEET
MATRIX SPIKE SAMPLE
MATRIX SPIKE DUPLICATE SAMPLE

S068M01W

Client Name.....: GPL Laboratories
Release Number.....: Shaw-FUDS MMRP-Site 0

Matrix.....: WATER
Reporting Units.....: ug/L

DCL Preparation Group: Not Applicable
Date Prepared.....: 27-SEP-06 00:00
Preparation Method...: PerchlorateLCMS

DCL Sample Name...: **06E04377MS**
Date Printed.....: 29-SEP-06 14:15

DCL Analysis Group: G068V020
Analysis Method...: CLO4-LC/MS
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPX
☒ Primary
☐ Confirmation

QC Limit Type.....: Method

Analytical Results

Analyte	Date Analyzed	Sample Result	Spiked Result	Spike Added	Percent Recovery	QC Limits	QC Flag
Perchlorate	27-SEP-06 21:10	0.0943	5.11	5.00	100.	80.0/120.	

S068M01X

DCL Sample Name...: **06E04377MSD**

Analytical Results

Analyte	Date Analyzed	Duplicate Result	Percent Recovery	Mean	Range	RPD	QC Limits	QC Flag
Perchlorate	27-SEP-06 21:31	5.19	102.	5.15	0.0813	1.6	0.00/15.0	

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DATA CHEM LABORATORIES, INC.

Sample Tracking Documentation

DataChem Laboratories
LIMS - Sample Master System
Analysis Group Report

Date: 27-SEP-2006 18:03 Page: 1
User: MCKAY RLIMS15-V1.2

Analysis Run Name: G068V020 Group ID: G068V020

Samples: 18

Pos	Laboratory Sample Name	Field Sample Name 1	Field Sample Name 2	Laboratory Sample ID	Laboratory Group Name	Accnt. Number
1	BL-250891-1	BL-250891-1		S068V04T	06E-0605-01	08001
2	QC-250891-1	QC-250891-1		S068V04V	06E-0605-01	08001
3	06E04377	9661029012		S068M01V	06E-0605-01	08001
4	06E04377MS	9661029012		S068M01W	06E-0605-01	08001
5	06E04377MSD	9661029012		S068M01X	06E-0605-01	08001
6	06E04378	9661029014		S068M01Y	06E-0605-01	08001
7	06E04379	9661029015		S068M01Z	06E-0605-01	08001
8	06E04380	9661029016		S068M020	06E-0605-01	08001
9	06E04381	9661029017		S068M021	06E-0605-01	08001
10	06E04390	609084003041	VSDD0701009	S068M036	06E-0607-01	08001
11	06E04391	609084004042	VSDD0701010	S068M037	06E-0607-01	08001
12	06E04392	609084009086	VSHCG0401006	S068M038	06E-0607-01	08001
13	06E04393	609084010087	VSHCG0401007	S068M039	06E-0607-01	08001
14	06E04383	609089003003	NW00173008	S068V03N	06E-0624-01	08001
15	06E04439	NW0-017-3002	609093001003	S068P06X	06E-0615-01	08001
16	06E04440	NW0-017-3010	609093002015	S068P06Y	06E-0615-01	08001
17	06E04441	NW0-017-6001	609093003006	S068P06Z	06E-0615-01	08001
18	06E04442	NW0-017-3009	609093004018	S068P070	06E-0615-01	08001

----- END OF LISTING -----

Earliest Sampling Date: 13-Sep-2006

DataChem Laboratories
CHAIN-OF-CUSTODY

Results due by: 30-Sep-2006

Project/Job/Task: P04BG001 | Split: | Root Set ID: 06E-0624 * | Reporting Group 01

Client: GPL Laboratories | Account: 08001

Comments:

Verified: TR 09/27/06

Date Sampled	Field ID Number	DCL Sample Name	DCL Sample ID	QC	Matrix	Customer ID 2					Analysis: Perchlorate by LC/MS									# Bottles
13-Sep-2006	609089003003	06E04383			WATER	NWO0173008					X									3

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location
Walk-in/ Room/ Shelf/ Fridge R-33-1 m	09/27/06 18:00	[signature]	ClO_4^-

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep/Analysis for: _____ Lab Notebook No.: _____

Prepared/Analyzed by: _____ Date/Time: _____

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location

Check box if there is a continuation page ☐

Printed 9/27/2006 13:06

Form: COFCL01-SWV3.a0

From: Origin ID: (301)694-5310
Paul Ioannides
GPL LABORATORIES LLLP
7210A CORPORATE COURT

FREDERICK, MD 21703

FedEx Express

CLS032506/17/02

Ship Date: 19SEP06
ActWgt: 22 LB
System#: 5939573/INET2500
Account#: S *********

REF:

Delivery Address Bar Code

SHIP TO: (801)904-4302 BILL SENDER

KEVIN GRIFFITHS
DATA CHEM LABS
960 LEVOY DRIVE

SALT LAKE CITY, UT 84123

PRIORITY OVERNIGHT

WED
Deliver By:
20SEP06

TRK# 7915 5279 4361 FORM 0201

SLC A1

84123 -UT-US

XHBTFA

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Earliest Sampling Date: 14-Sep-2006

DataChem Laboratories
CHAIN-OF-CUSTODY

Results due by: 1-Oct-2006

Project/Job/Task: P04BG001 | Split: | Root Set ID: 06E-0615 * | Reporting Group 01

Client: GPL Laboratories | Account: 08001

Comments:

Verified: M Dredell, Edwards 12 Sep 06

Date Sampled	Field ID Number	DCL Sample Name	DCL Sample ID	QC	Matrix	Customer ID 2					Analysis: Perchlorate by LC/MS									# Bottles
14-Sep-2006	NWO-017-3002	06E04439			WATER	609093001003					X									3
14-Sep-2006	NWO-017-3010	06E04440			WIPE	609093002015					X									3
14-Sep-2006	NWO-017-6001	06E04441			WIPE	609093003006					X									3
14-Sep-2006	NWO-017-3009	06E04442			WIPE	609093004018					X									3 2

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location
Walk-in/ Room/ Shelf/ Fridge R-33-1	09/27/06 18:00	[signature]	COC

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep/Analysis for: _____ Lab Notebook No.: _____

Prepared/Analyzed by: _____ Date/Time: _____

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location

Check box if there is a continuation page ☐

Printed 9/22/2006 13:15

Form: COFC1.01-SWV2.30

Earliest Sampling Date: 14-Sep-2006

DataChem Laboratories
CHAIN-OF-CUSTODY

Results due by: 1-Oct-2006

Project/Job/Task: P04BG001 | Split: | Root Set ID: 06E-0615 * | Reporting Group 01

Client: GPL Laboratories | Account: 08001

Comments:

Verified: M Oredell, Edwards 22Sep06

Date Sampled	Field ID Number	DCL Sample Name	DCL Sample ID	QC	Matrix	Customer ID 2	Analysis: Perchlorate by LC/MS	# Bottles
14-Sep-2006	NWO-017-3002	06E04439			WATER	609093001003	X	3
14-Sep-2006	NWO-017-3010	06E04440			WIPE	609093002015	X	3
14-Sep-2006	NWO-017-6001	06E04441			WIPE	609093003006	X	3
14-Sep-2006	NWO-017-3009	06E04442			WIPE	609093004018	X	3

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location
Walk-in/ Room/ Shelf/ Fridge			

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep/Analysis for: _____ Lab Notebook No.: _____

Prepared/Analyzed by: _____ Date/Time: _____

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location

Check box if there is a continuation page ☐

Printed 9/22/2006 13:15

Form: COFC1.01-SWV2.30

Sample Work Order

QC Clearance: _____

Project Manager: Kevin W. Griffiths

Client: GPL Laboratories

Account: 08001 **SDG:**

Project/Task: P04BG001

Date Received: 21-Sep-2006

Date for Mailing Report: 1-Oct-2006

DCL Root Set ID: 06E-0615

DCL Lab. Name: 06E04439–06E04442

Total # Samples: 4

Sample Entry: Shannon Cowley

Section: EO

Earliest Sampling Date: 14-Sep-2006

Preparation Type:

Rep. Group	Environmental Organic. Analytes Requested	Latest Prep. Date	Latest Anal. Date	No. of Samp.	Storage Location	Analysis/Prep. Method	Inst.	Matrix
01	Perchlorate by LC/MS		12-Oct-2006[c]	4		LC-MS-CLO4/ PerchlorateLCMS	LC/MS	WATER

[c]Based on date of collection

Special Instructions: _____

Section Manager: Richard W. Wade

Other Sections Receiving Sample Portions: None

0E-0015

GPL Laboratories

Chain of Custody Form for Subcontracted Analyses

GPL Laboratories
7210A Corporate CT, Frederick, MD 21703
Phone: 301 694-5310
Fax: 301 620-0731

W.O. No.: 609093
P.O. No.: "07262006"
Project Name: Camp Addair - Shaw FUDS MMRP
Project Number: Shaw FUDS MMRP Site -017

Samples Transferred To:
DATA CHEM LABORATORIES
960 W. LeVoy DRIVE
SALT LAKE CITY, UT 84123
Attn: Kevin Griffiths
Phone: (801) 904-4302
(801) 266-7700 ext 302

0E0
0439

Lab Sample ID	Field Sample ID	Date Sampled	Time Sampled	Matrix	Analyses Required	Method	Type of Container	Preservative
609093-001-003-1/3	NWO-017-3002	14-SEP-06	12:30	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609093-001-004-2/3	NWO-017-3002	14-SEP-06	12:30	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609093-001-005-3/3	NWO-017-3002	14-SEP-06	12:30	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609093-002-015-1/3	NWO-017-3010	14-SEP-06	11:20	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
40 609093-002-016-2/3	NWO-017-3010	14-SEP-06	11:20	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609093-002-017-3/3	NWO-017-3010	14-SEP-06	11:20	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609093-003-006-1/3	NWO-017-6001	14-SEP-06	00:00	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
41 609093-003-007-2/3	NWO-017-6001	14-SEP-06	00:00	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609093-003-008-3/3	NWO-017-6001	14-SEP-06	00:00	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609093-004-018-1/3	NWO-017-3009	14-SEP-06	18:05	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
42 609093-004-019-2/3	NWO-017-3009	14-SEP-06	18:05	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609093-004-020-3/3	NWO-017-3009	14-SEP-06	18:05	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL

Carrier: Fed EX Priority overnight Airbill No.: 7781 0284 1882

Report Due On: 10/2/06 Send Report Attn: Tim Mikesell @ Above Address Perform Q.C. on Sample: _____

Condition Upon Receipt: _____

Comments: *This SDG Contains 4 Samples* Analyze Samples based on DCL SOP (LCMS-CL04, Rev2) 7/19/06. Reference SOP LCMS-CL04 as Method on all Reports & Lab write-ups (Do Not Ref any other method)

Samples Relinquished By: [illegible] Date: 9/20/06 Time: 6pm Samples Received By: [illegible] Date: 2/8.pdc Time: 1015

DATACHEM LABORATORIES CLIENT-RELATED INFORMATION REPORT (CRIR)

COOLER OR CONTAINER INFORMATION CHECKLIST (Fill In or Circle)

Client Name: GDL

Project/Task/Site: 0E5-0615

Date/Time of Receipt: 2/26/2010/1015

Number of Coolers Received: 1

Condition of Coolers:	Acceptable/Unacceptable	Temperature Control:	Present/Not Included
Custody Seals:	Present/Absent/NA Intact/Broken/NA	Location Temp Taken:	Control/Between Samples
Tamper Evident:	Yes/No/NA	Are all temperatures within project specific guidelines?	Yes/No/NA
Ice Present:	Yes/No/NA Frozen/Melted/NA	Are all applicable pHs within specific guidelines?	Yes/No/NA

pH Check Performed:						
	Metals	Yes/No/NA	Total Phenolics	Yes/No/NA	NO3/NO2	Yes/No/NA
	Cyanide	Yes/No/NA	TPH – 418.1	Yes/No/NA	Oil & Grease	Yes/No/NA
	Sulfide	Yes/No/NA	COD	Yes/No/NA	Total Phosphorous	Yes/No/NA
	Ammonia	Yes/No/NA	TKN	Yes/No/NA	TOC	Yes/No/NA
Residual Chlorine Check Performed:	8270	Yes/No/NA	8310	Yes/No/NA	8330	Yes/No/NA
	8081	Yes/No/NA	8151	Yes/No/NA		

Cooler Received	DCL Cooler No.	Temp.	Cooler Received	DCL Cooler No.	Temp.	Cooler Received	DCL Cooler No.	Temp.
1	C06 - 69102	10 °C	4	C06 -	°C	7	C06 -	°C
2	C06 -	°C	5	C06 -	°C	8	C06 -	°C
3	C06 -	°C	6	C06 -	°C	9	C06 -	°C

Taken By: Meredith Edwards (Signature) Meredith Edwards (Printed Name) 2/26/10 (Date)

CLIENT-RELATED INFORMATION

- ☐ Missing Cooler
- ☐ Cooler Conditions
- ☐ Missing Paperwork
- ☑ Missing/Incorrect Bottle Labels
- ☑ Missing Samples/Bottles
- ☐ Broken/Leaking Samples
- ☐ Incorrect Bottle Type
- ☐ Cooler Temperatures Out of Range
- ☐ Incorrect Preservation
- ☐ pH Criteria Not Met
- ☐ Residual Chlorine Present
- ☐ Head Space in Bottles
- ☐ Insufficient Sample Volume
- ☐ Chain of Custody Problems
- ☐ Other:
- EPA Custody Seal:

BRIEFLY DESCRIBE THE PROBLEM AND THE ACTION TAKEN:

Missing One Bottle 4009093-004-020-3/3 (NWO-017-3209)

Faxed to Client? YES ☐ NO ☐ (if yes, attach Fax Cover Sheet)

Response Required Within 24 Hours

PROJECT MANAGEMENT

PROJECT MANAGER COMMENTS:

DCL Project Manager: _____ (Printed Name) Returned to Sample Receipt by: _____ (Signature) Date: _____

SLC/CRIR.doc Revised 1/02/04

From: Origin ID: (301)694-5310
Paul Ioannides
GPL LABORATORIES LLLP
7210A CORPORATE COURT

FREDERICK, MD 21703

CLS052566/17/22

Ship Date: 20SEP06
ActWgt: 16 LB
System#: 5939673/INET2500
Account#: S *********

REF:

Delivery Address Bar Code

SHIP TO: (801)904-4302 BILL SENDER

KEVIN GRIFFITHS
DATA CHEM LABS
960 LEVOY DRIVE

SALT LAKE CITY, UT 84123

PRIORITY OVERNIGHT

THU
Deliver By:
21SEP06

TRK# 7980 0284 1882 FORM 0201

SLC A1

84123 -UT-US

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From: Origin ID: (301)694-5310
Paul Ioannides
GPL LABORATORIES LLLP
7210A CORPORATE COURT

FREDERICK, MD 21703

FedEx Express

Ship Date: 20SEP06
ActWgt: 16 LB
System#: 5939673/INET2500
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KEVIN GRIFFITHS
DATA CHEM LABS
960 LEVOY DRIVE

SALT LAKE CITY, UT 84123

PRIORITY OVERNIGHT

THU
Deliver By:
21SEP06

TRK# 7980 0284 1882 FORM 0201

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DATA CHEM LABORATORIES, INC.

Analytical Documentation

Project No. —
Book No. 4438

TITLE 06E-0605-01; 06E-0607-01; 06E-0624-01, 06E-0615-01

From Page No. —

TM 09/29/06

DCL Set ID #(S): 06E-0605-01; 06E-0607-01; 06E-0624-01; 06E-0615-01
DCL Sample #(S): 06E04377 - 81; 06E04390 - 93; 06E04383; 06E04439 - 42
DCL Account #(S): 08001 Group/Lot ID: G068V020
Prep Date: 09/27/2006 Analysis Date: 09/27/2006 - 09/28/2006
Analyte: **Perchlorate** Matrix: **Water** Instrument LOD: **0.200µg/L**
Sequence: \\CLO4\SEP06\27SEPCAL.S, 27SEP-A.S Method: **6850**
Reported MDL: See RLIMS report Reported LOD: See RLIMS report

SAMPLE PREPARATION/ANALYSIS:

Water: All calibration standards were prepared by diluting working standard solution 2260S174. The calibration levels used were: $0.2, $0.5, $1, $5, & $50 (ug/L). All DCL sample #'s agreed with field ID #'s. 9.95mL of each sample, including standards, was pipetted into a 15-mL centrifuge tube, and 50uL of an oxygen-18 labeled perchlorate solution was added as an internal standard. The samples were capped, vortexed, and filtered with Pall 0.45um Ion Chromatography Acrodiscs prior to analysis. Dilutions, if necessary, were done at the bench using pipettes.

REAGENTS: Eluent: ~20% ACN (B&J lot CO437)/~80% ASTM Type II water(DCL)/0.1% glacial acetic acid (Baker lot B14804).

STANDARDS: Internal Standard Spiking Solution 260WS94 (See book WS 260, pg 94)
Dilutions of Working Standard Solution ID 260WS174 used for CCVs (See book WS 260, pg 174).

INSTRUMENT CONDITIONS: Samples were analyzed with an Agilent 1100 LC/MSD system, in negative SIM mode, monitoring m/z 83, 85, and 89. Tuned: 07/26/2006 Tune Checked: 09/27/2006
Instrument ID: LCMS02 Run Time : 17.00 min. with 3 min. post time
Flow Rate Gradient: 0.5mL/min to 7 min., to 0.2ml/min at 8 min., hold to 17 min.
Output Gain: 10 Injection Volume: 10uL Column: KP-RPPX C8 separator, 250mm

QC DATA: A 100X dilution of QC Solution ID 260WS175 (See book WS 260, pg 175) was used for QC-250891-1; target = 1.00ug/L. ASTM type II water was used for BL-250891-1.

MS/MSD: MS/MSD was performed on sample 06E04377. 5.0ul of Intermediate Standard Solution 871S17262 (See book IS 87, pg 062) was added to 10.0mL of sample preparation.
Spike target = 5.00ug/L.

COMMENTS: 1) Reported in ug/L.
2) All QC, Blank, CCV, and MS/MSD results were within method parameters.

TM 09/29/06

To Page No. —

Witnessed & Understood by me,	Date	Invented by: N/A	Date
Penny A. Boots	29-Sep-2006	Recorded by: [signature]	09/29/06

TM 09/29/06

DATA CHEM LABORATORIES
A Sorenson Company

Injection Log

Instrument ID: LCMS02

DCL Set ID(s): 06E-0607-02; 06E-0605-01; 06E-0607-01; 06E-0624-01; 06E-0615-01

Sequence ID: 27SEPCAL.S

DCL Group ID: G068V01G; G068V020

Client Sample ID	DCL Sample ID	Date of Injection	Time of Injection	File Name
N/A	MCV	09/27/06	10:17	27SEP001
N/A	$50	09/27/06	10:31	27SEP002
N/A	$5	09/27/06	10:53	27SEP003
N/A	$1	09/27/06	11:14	27SEP004
N/A	$.5	09/27/06	11:36	27SEP005
N/A	$.2	09/27/06	11:57	27SEP006
N/A	ICV	09/27/06	12:19	27SEP007

Maintenance Notes: None.

TM 09/29/06

Witnessed & Understood by me,	Date	Invented by N/A	Date
[signature]	29-Sep-2006	Recorded by [signature]	09/29/06

DATA CHEM LABORATORIES
A Sorenson Company

Injection Log

Instrument ID: LCMS02

DCL Set ID(s): 06E-0605-01; 06E-0607-01; 06E-0624-01; 06E-0615-01

Sequence ID: 27SEP-A.S

DCL Group ID: G068V020

Client Sample ID	DCL Sample ID	Date of Injection	Time of Injection	File Name
N/A	CCV1	09/27/06	19:01	27SEP001
N/A	LODV1	09/27/06	19:22	27SEP002
N/A	ICS	09/27/06	19:44	27SEP003
N/A	BL-250891-1	09/27/06	20:05	27SEP004
N/A	QC-250891-1	09/27/06	20:27	27SEP005
9661029012	06E04377	09/27/06	20:48	27SEP006
9661029012	06E04377MS	09/27/06	21:10	27SEP007
9661029012	06E04377MSD	09/27/06	21:31	27SEP008
9661029014	06E04378	09/27/06	21:53	27SEP009
9661029015	06E04379	09/27/06	22:14	27SEP010
9661029016	06E04380	09/27/06	22:36	27SEP011
9661029017	06E04381	09/27/06	22:57	27SEP012
N/A	CCV2	09/27/06	23:19	27SEP013
N/A	LODV2	09/27/06	23:40	27SEP014
609084003041	06E04390	09/28/06	00:02	27SEP015
609084004042	06E04391	09/28/06	00:23	27SEP016
609084009086	06E04392	09/28/06	00:45	27SEP017
609084010087	06E04393	09/28/06	01:06	27SEP018
609089003003	06E04383	09/28/06	01:28	27SEP019
NOW-017-3002	06E04439	09/28/06	01:49	27SEP020
NOW-017-3010	06E04440	09/28/06	02:11	27SEP021
NOW-017-6001	06E04441	09/28/06	02:32	27SEP022
NOW-017-3009	06E04442	09/28/06	02:54	27SEP023
N/A	CCV3	09/28/06	03:15	27SEP024
N/A	LODV3	09/28/06	03:37	27SEP025

Maintenance Notes: None.

TM 09/29/06

Witnessed & Understood by me,	Date	Invented by N/A	Date
Penny A. Foote	29-Sep-2006	Recorded by [illegible]	09/29/06

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK	BOOK 260 WS Page 94

260 WS 94 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION Perchlorate ISTD Spiking Solution

Solvent DI H_2O Vendor DCL Grade ASTM Type II Lot —

	Compound	Intermediate Standard or Parent Solution	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	Perchlorate (0'8)	87IS17227	10.0	10.0	100	1.00
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						

EXPIRATION DATE 12/31/2006 *(Refer to applicable contract or method for allowable time period before expiration.)*

Solution Prepared by [signature] Date of Preparation 03/01/2006

Checked by [signature]

Comments

STANDARD SOLUTIONS OF INTERMEDIATE CONCENTRATION

STANDARD PREPARATION LOGBOOK NO. 87 IS

Page No. 027

87 IS 17227 DCL INTERMEDIATE STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: Perchlorate ISTD Intermediate Stock

Solvent DI H_2O Vendor DCL Grade ASTM Type II Lot —

	Compound	Stock Std or Parent Solution ID No.	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	Perchlorate ($NaClO_4^{+}$)	50C509971	806	1.24	100	10.0
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						

EXPIRATION DATE 12/31/2006

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: [signature] Date of Preparation: 03/01/2006

Checked By: [signature] Supervisor: —

Comments:

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 50CS

Page No. 171

50 CS 09971 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: Perchlorate (from $NaClO_4$) - Contains O^{18}, min 90%

Vendor: Isotec Lot No.: CR1558 Purity: 98+%

DCL Analytical Balance Identification: —

NIST Reference Weight Target Value — g

NIST Reference Weight Measured Using Balance Identified Above — g

Difference — g

N/A - pre-weighed

If difference is greater than 0.001 grams: Notify QC. Take corrective action or start over using a different balance.

FINAL GROSS WEIGHT — g

TARE WEIGHT — g

NET WEIGHT 0.10 g

NET WEIGHT CORRECTED FOR PURITY 100 mg

Purity Correction (0.10)(.98)(.823)(1000) [(mass)(%purity)(% ClO_4 in $NaClO_4$)]
conversion factor

Solvent H_2O Vendor DCL Grade ASTM Type II Lot —

Dilution Volume 100 mL

FINAL CONCENTRATION 806 µg/mL

EXPIRATION DATE 12/31/2006

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: [signature] Date of Preparation: 02/23/04

Weight Verified By: [signature] Supervisor:

Comments: Catalog # 631981 (Aldrich)

ISOTEC

A MEMBER OF THE SIGMA-ALDRICH FAMILY

CERTIFICATE OF ANALYSIS

DATE 12/05/2003

Sodium Perchlorate-$^{18}O_4$

ISOTEC NUMBER T88-70501 ALDRICH NUMBER 631981 BATCH NUMBER CR1558

METHODS	SPECIFICATIONS	TEST RESULTS
Assay	Minimum 98% chemical purity	98+%
C	Confirm identity of perchlorate-$^{18}O_4$ and absence of free chloride	Positive ID of perchlorate Absence of free chloride confirmed
sotope Enrich.	Minimum 90 atom% ^{18}O based upon labeled precursor	90 atom% ^{18}O
Appearance	White powder	White powder

JOHN KUO, Ph. D.
Analytical & Quality Control
Supervisor

3858 Benner Road, Miamisburg, Ohio 45342 U.S.A. • FAX (937) 859-4878
Sales (800) 448-9760 • E-mail: isosales@isotec.com • Internet: http://www.isotec.com

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK	BOOK 260 WS Page 174

260 WS 174 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION Perchlorate

Solvent DI Water Vendor DCL Grade ASTM Type II Lot —

	Compound	Intermediate Standard or Parent Solution	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION ~~µg/mL~~ mg/L
1.	Perchlorate	87IS17262	10.0	1.00	100	100 mg/L
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
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12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						

EXPIRATION DATE 09/13/07 *(Refer to applicable contract or method for allowable time period before expiration.)*

Solution Prepared by [illegible] Date of Preparation 09/13/06

Checked by [illegible]

Comments

STANDARD SOLUTIONS OF INTERMEDIATE CONCENTRATION

STANDARD PREPARATION LOGBOOK NO. 87 IS

Page No. 062

87 IS 17262 DCL INTERMEDIATE STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: Perchlorate Int. Stock Standard Solution

Solvent DI Water Vendor DCL Grade ASTM Type II Lot —

	Compound	Stock Std or Parent Solution ID No.	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	Perchlorate ($KClO_4$)	AccuStandard WC-PER-10X-1	1000	1.00	100	10.0
2.		Lot: B5125022				
3.						
4.						
5.						
6.						
7.						
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13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						

TRA 09/14/06

EXPIRATION DATE 09/13/07

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: [signature] Date of Preparation: 09/13/06

Checked By: [signature] Supervisor: NA

Comments:

125 Market Street
New Haven, CT 06513 USA
Tel (203)786-5290 Fax (203)786-5287
Web AccuStandard.com

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

Wet Chemistry Reference Standard

Item Number: WC-PER-10X-1

Element: Perchlorate Standard **Lot Number:** B5125022

Matrix: Water **Expiration Date:** Dec / 2007

Actual Lot Analysis

Perchlorate Standard 1000 μg/mL

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

RESULTS: This solution standard was certified for accuracy of the listed components via methodology traceable to primary or well characterized secondary standards.

This standard was prepared gravimetrically to contain the concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials and solvents available. Typically starting materials are 99.999% to minimize impurity levels in the final solution.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

This product was manufactured to meet the quality system requirements of ISO 9001:2000 and ISO 17025

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK

BOOK 260 WS
Page 175

260 WS 175 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION Perchlorate (QC)

Solvent DI water Vendor DCL Grade ASTM Type II Lot —

	Compound	Intermediate Standard or Parent Solution	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION ~~µg/mL~~ µg/L
1.	Perchlorate	87I317263	10.0	1.00	100	100 µg/L
2.						
3.						
4.						
5.						
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19.						
20.						

EXPIRATION DATE 09/13/07 *(Refer to applicable contract or method for allowable time period before expiration.)*

Solution Prepared by [signature] Date of Preparation 09/13/06

Checked by [signature]

Comments

STANDARD SOLUTIONS OF INTERMEDIATE CONCENTRATION

STANDARD PREPARATION LOGBOOK NO. 87 IS

Page No. 063

87 IS 17263 DCL INTERMEDIATE STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: Perchlorate Int. QC Solution

Solvent DI Water Vendor DCL Grade ASTM Type II Lot —

	Compound	Stock Std or Parent Solution ID No.	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	Perchlorate ($KClO_4$)	Ultra Scientific ICC-017	1000.	1.00	100	10.0
2.		Lot F00729				
3.						
4.						
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17.						
18.						
19.						
20.						

TM 09/14/06

EXPIRATION DATE 09/13/07

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: [signature] Date of Preparation: 09/13/06

Checked By: [signature] Supervisor: NA

Comments:

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

CERTIFICATE OF ANALYSIS

ULTRAgrade™ Ion Chromatography Solution: 1000 µg/mL Perchlorate
Catalog Number: ICC-013
Lot Number: F00729
Job Number: J00005193
Expiration Date: 01/2009

Starting Material:	potasssium perchlorate
Starting Material Purity:	99.8%
Starting Material Lot No.:	NT00430
Matrix:	water

Certified Value: 1000 µg/mL

The certified value is the concentration calculated from gravimetric and volumetric measurements performed during the preparation of the standard unless otherwise specified. All standards are accurate to within ± 0.2% relative unless otherwise specified.

Confirmation by Inductively Coupled Plasma Spectroscopy (ICP) vs. NIST SRM 3141a

ULTRA uses purified acids, 18 megohm double deionized water, calibrated Class A glassware & meticulously cleaned bottles in the manufacturing of ULTRAgrade standards. Balances are calibrated with weights traceable to NIST.

Quality Endorsed Company ISO 9001 SAI Global Registered

ACCREDITED ISO 17025 Cert. No. 0851-01

200-1e
Dr. Edward Fitzgerald,
Senior Scientist

DATA CHEM LABORATORIES, INC.

Raw Data

Batch Review Method:
C:\HPCHEM\1\METHODS\CLO4-DOD.M

['#' ==> Run has not been reprocessed with Batch Review Method
'*' ==> Run has been saved with batch file]

#*	DataFile	Sample	Location	Dil	Perchlorate RT	Perchlorate Area	Perchlorate Amount
*	27SEP001.D	CCV1	Vial 1	1e0	14.398	1867.18201	1.67311e-1
*	27SEP002.D	LODV1	Vial 2	1e0	14.004	1206.49414	9.50847e-2
*	27SEP003.D	ICS	Vial 3	1e0	12.644	1689.14880	2.18636e-1
*	27SEP004.D	BL-250891-1	Vial 4	1e0	0.000	0.00000	0.00000
*	27SEP005.D	QC-250891-1	Vial 5	1e0	14.037	9748.76758	9.08653e-1
*	27SEP006.D	06E04377	Vial 7	1e0	14.004	1239.29480	9.43262e-2
*	27SEP007.D	06E04377MS	Vial 8	1e0	13.954	5.52754e4	5.10661
*	27SEP008.D	06E04377MSD	Vial 9	1e0	13.951	5.41622e4	5.18787
*	27SEP009.D	06E04378	Vial 10	1e0	0.000	0.00000	0.00000
*	27SEP010.D	06E04379	Vial 11	1e0	0.000	0.00000	0.00000
*	27SEP011.D	06E04380	Vial 12	1e0	0.000	0.00000	0.00000
*	27SEP012.D	06E04381	Vial 13	1e0	0.000	0.00000	0.00000
*	27SEP013.D	CCV2	Vial 6	1e0	14.072	1.01321e5	9.55256
*	27SEP014.D	LODV2	Vial 2	1e0	14.129	606.71655	3.04218e-2
*	27SEP015.D	06E04390	Vial 14	1e0	0.000	0.00000	0.00000
*	27SEP016.D	06E04391	Vial 15	1e0	0.000	0.00000	0.00000
*	27SEP017.D	06E04392	Vial 16	1e0	0.000	0.00000	0.00000
*	27SEP018.D	06E04393	Vial 17	1e0	0.000	0.00000	0.00000
*	27SEP019.D	06E04383	Vial 18	1e0	0.000	0.00000	0.00000
*	27SEP020.D	06E04439	Vial 19	1e0	0.000	0.00000	0.00000
*	27SEP021.D	06E04440	Vial 20	1e0	0.000	0.00000	0.00000
*	27SEP022.D	06E04441	Vial 21	1e0	13.752	521.56000	2.33628e-2
*	27SEP023.D	06E04442	Vial 22	1e0	0.000	0.00000	0.00000
*	27SEP024.D	CCV3	Vial 1	1e0	14.129	2479.68823	2.21133e-1
*	27SEP025.D	LODV3	Vial 2	1e0	14.096	1104.66541	8.09280e-2

#*	DataFile	Sample	Location	Dil	CLO4-85 RT	CLO4-85 Area	CLO4-85 Amount
*	27SEP001.D	CCV1	Vial 1	1e0	14.557	582.01215	1.81188e-1
*	27SEP002.D	LODV1	Vial 2	1e0	14.079	1052.82214	3.21716e-1
*	27SEP003.D	ICS	Vial 3	1e0	12.670	1022.14636	4.38226e-1
*	27SEP004.D	BL-250891-1	Vial 4	1e0	0.000	0.00000	0.00000
*	27SEP005.D	QC-250891-1	Vial 5	1e0	14.079	4219.46924	1.17175
*	27SEP006.D	06E04377	Vial 7	1e0	13.978	529.10266	1.57861e-1
*	27SEP007.D	06E04377MS	Vial 8	1e0	13.964	1.76810e4	4.76248
*	27SEP008.D	06E04377MSD	Vial 9	1e0	13.967	1.67839e4	4.68754
*	27SEP009.D	06E04378	Vial 10	1e0	0.000	0.00000	0.00000
*	27SEP010.D	06E04379	Vial 11	1e0	0.000	0.00000	0.00000
*	27SEP011.D	06E04380	Vial 12	1e0	0.000	0.00000	0.00000
*	27SEP012.D	06E04381	Vial 13	1e0	0.000	0.00000	0.00000
*	27SEP013.D	CCV2	Vial 6	1e0	14.090	3.38701e4	9.36758
*	27SEP014.D	LODV2	Vial 2	1e0	14.129	1092.32764	3.27307e-1
*	27SEP015.D	06E04390	Vial 14	1e0	0.000	0.00000	0.00000
*	27SEP016.D	06E04391	Vial 15	1e0	0.000	0.00000	0.00000
*	27SEP017.D	06E04392	Vial 16	1e0	14.029	353.14145	1.04694e-1
*	27SEP018.D	06E04393	Vial 17	1e0	0.000	0.00000	0.00000
*	27SEP019.D	06E04383	Vial 18	1e0	0.000	0.00000	0.00000
*	27SEP020.D	06E04439	Vial 19	1e0	13.827	293.27560	9.01362e-2
*	27SEP021.D	06E04440	Vial 20	1e0	0.000	0.00000	0.00000
*	27SEP022.D	06E04441	Vial 21	1e0	14.029	852.25647	2.64273e-1
*	27SEP023.D	06E04442	Vial 22	1e0	0.000	0.00000	0.00000
*	27SEP024.D	CCV3	Vial 1	1e0	14.129	1089.81299	3.22169e-1
*	27SEP025.D	LODV3	Vial 2	1e0	13.978	630.45785	1.88199e-1

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200-1e

#*	DataFile	Sample	Location	Dil	CLO4-89 RT	CLO4-89 Area	CLO4-89 Amount
*	27SEP001.D	CCV1	Vial 1	1e0	14.361	4.62121e4	5.00000
*	27SEP002.D	LODV1	Vial 2	1e0	14.062	4.67689e4	5.00000
*	27SEP003.D	ICS	Vial 3	1e0	12.737	3.32589e4	5.00000
*	27SEP004.D	BL-250891-1	Vial 4	1e0	14.045	4.81562e4	5.00000
*	27SEP005.D	QC-250891-1	Vial 5	1e0	14.063	5.11478e4	5.00000
*	27SEP006.D	06E04377	Vial 7	1e0	13.963	4.83278e4	5.00000
*	27SEP007.D	06E04377MS	Vial 8	1e0	13.963	5.26440e4	5.00000
*	27SEP008.D	06E04377MSD	Vial 9	1e0	13.962	5.07721e4	5.00000
*	27SEP009.D	06E04378	Vial 10	1e0	14.079	5.40628e4	5.00000
*	27SEP010.D	06E04379	Vial 11	1e0	13.911	5.02917e4	5.00000
*	27SEP011.D	06E04380	Vial 12	1e0	13.951	4.88966e4	5.00000
*	27SEP012.D	06E04381	Vial 13	1e0	13.924	4.67398e4	5.00000
*	27SEP013.D	CCV2	Vial 6	1e0	14.096	5.12599e4	5.00000
*	27SEP014.D	LODV2	Vial 2	1e0	14.092	4.76880e4	5.00000
*	27SEP015.D	06E04390	Vial 14	1e0	13.954	4.68766e4	5.00000
*	27SEP016.D	06E04391	Vial 15	1e0	13.965	5.33692e4	5.00000
*	27SEP017.D	06E04392	Vial 16	1e0	13.992	4.90723e4	5.00000
*	27SEP018.D	06E04393	Vial 17	1e0	13.984	5.02638e4	5.00000
*	27SEP019.D	06E04383	Vial 18	1e0	13.822	4.72158e4	5.00000
*	27SEP020.D	06E04439	Vial 19	1e0	13.873	4.75402e4	5.00000
*	27SEP021.D	06E04440	Vial 20	1e0	13.626	4.98091e4	5.00000
*	27SEP022.D	06E04441	Vial 21	1e0	13.896	4.61738e4	5.00000
*	27SEP023.D	06E04442	Vial 22	1e0	13.751	4.84603e4	5.00000
*	27SEP024.D	CCV3	Vial 1	1e0	14.120	4.83434e4	5.00000
*	27SEP025.D	LODV3	Vial 2	1e0	14.120	4.81666e4	5.00000

*** End of Report ***

DATA CHEM LABORATORIES
A Spectrum Company

Perchlorate Confirmation by 83:85 Ratio

Instrument ID: LCMS02

DCL Set ID(s): 06E-0605-01; 06E-0607-01; 06E-0624-01; 06E-0615-01

Sequence ID: 27SEP-A.S

DCL Group ID: G068V020

Client Sample ID	DCL Sample ID	Mass 83 Peak Area	Mass 85 Peak Area	Target Ratio Range	Mass 83/85 Ratio	Confirm Yes/No
N/A	CCV1	1,867	582	2.2 - 3.3	3.21	Yes
N/A	LODV1	1,205	1,053	2.2 - 3.3	1.15	No
N/A	ICS	1,689	1,022	2.2 - 3.3	1.65	No
N/A	BL-250891-1	ND	ND	2.2 - 3.3	ND	NA
N/A	QC-250891-1	9,749	4,219	2.2 - 3.3	2.31	Yes
9661029012	06E04377	1,239	529	2.2 - 3.3	2.34	Yes
9661029012	06E04377MS	55,275	17,681	2.2 - 3.3	3.13	Yes
9661029012	06E04377MSD	54,162	16,784	2.2 - 3.3	3.23	Yes
9661029014	06E04378	ND	ND	2.2 - 3.3	ND	NA
9661029015	06E04379	ND	ND	2.2 - 3.3	ND	NA
9661029016	06E04380	ND	ND	2.2 - 3.3	ND	NA
9661029017	06E04381	ND	ND	2.2 - 3.3	ND	NA
N/A	CCV2	101,321	33,870	2.2 - 3.3	2.99	Yes
N/A	LODV2	607	1,092	2.2 - 3.3	0.56	No
609084003041	06E04390	ND	ND	2.2 - 3.3	ND	NA
609084004042	06E04391	ND	ND	2.2 - 3.3	ND	NA
609084009086	06E04392	ND	353	2.2 - 3.3	ND	NA
609084010087	06E04393	ND	ND	2.2 - 3.3	ND	NA
609089003003	06E04383	ND	ND	2.2 - 3.3	ND	NA
NOW-017-3002	06E04439	ND	293	2.2 - 3.3	ND	NA
NOW-017-3010	06E04440	ND	ND	2.2 - 3.3	ND	NA
NOW-017-6001	06E04441	522	852	2.2 - 3.3	0.61	No
NOW-017-3009	06E04442	ND	ND	2.2 - 3.3	ND	NA
N/A	CCV3	2,480	1,090	2.2 - 3.3	2.28	Yes
N/A	LODV3	1,105	630	2.2 - 3.3	1.75	No

*Comments: None.

DATA CHEM
LABORATORIES
A Sorenson Company

Internal Standard Peak Area Responses

Instrument ID: LCMS02

DCL Set ID(s): 06E-0605-01; 06E-0607-01; 06E-0624-01; 06E-0615-01

Sequence ID: 27SEP-A.S

DCL Group ID: G068V020

Client Sample ID	DCL Sample ID	ISTD Peak Area	Target Peak Area	Percent Recovery	Pass/Fail
N/A	CCV1	46,212	46,212	100.0%	Pass
N/A	LODV1	46,769	46,212	101.2%	Pass
N/A	ICS	33,259	46,212	72.0%	Pass
N/A	BL-250891-1	48,156	46,212	104.2%	Pass
N/A	QC-250891-1	51,148	46,212	110.7%	Pass
9661029012	06E04377	48,328	46,212	104.6%	Pass
9661029012	06E04377MS	52,644	46,212	113.9%	Pass
9661029012	06E04377MSD	50,772	46,212	109.9%	Pass
9661029014	06E04378	54,063	46,212	117.0%	Pass
9661029015	06E04379	50,292	46,212	108.8%	Pass
9661029016	06E04380	48,897	46,212	105.8%	Pass
9661029017	06E04381	46,740	46,212	101.1%	Pass
N/A	CCV2	51,250	46,212	110.9%	Pass
N/A	LODV2	47,688	46,212	103.2%	Pass
609084003041	06E04390	46,877	46,212	101.4%	Pass
609084004042	06E04391	53,369	46,212	115.5%	Pass
609084009086	06E04392	49,072	46,212	106.2%	Pass
609084010087	06E04393	50,264	46,212	108.8%	Pass
609089003003	06E04383	47,216	46,212	102.2%	Pass
NOW-017-3002	06E04439	47,540	46,212	102.9%	Pass
NOW-017-3010	06E04440	49,809	46,212	107.8%	Pass
NOW-017-6001	06E04441	46,174	46,212	99.9%	Pass
NOW-017-3009	06E04442	48,460	46,212	104.9%	Pass
N/A	CCV3	48,343	46,212	104.6%	Pass
N/A	LODV3	48,167	46,212	104.2%	Pass

Control limit = ± 50%

*Comments: None.

DATA CHEM LABORATORIES
A Sprenson Company

Perchlorate Calibration Verifications

Initial Calibration Date: 09/27/06 Instrument ID: LCMS02

Sequence ID: 27SEP.S

Calibration Standard	Calculated Amount	Target Amount	Percent Difference	Control Limit	Pass/Fail
ICV	10.07	10.00	0.7%	±10%	Pass
CCV1	0.167	0.200	16.3%	±30%	Pass
LODV1	0.0951	0.100	4.9%	±30%	Pass
ICS	0.219	0.200	9.3%	±30%	Pass
CCV2	9.553	10.00	4.5%	±10%	Pass
*LODV2	0.0304	0.100	69.6%	±30%	Fail
CCV3	0.221	0.200	10.6%	±30%	Pass
LODV3	0.0809	0.100	19.1%	±30%	Pass

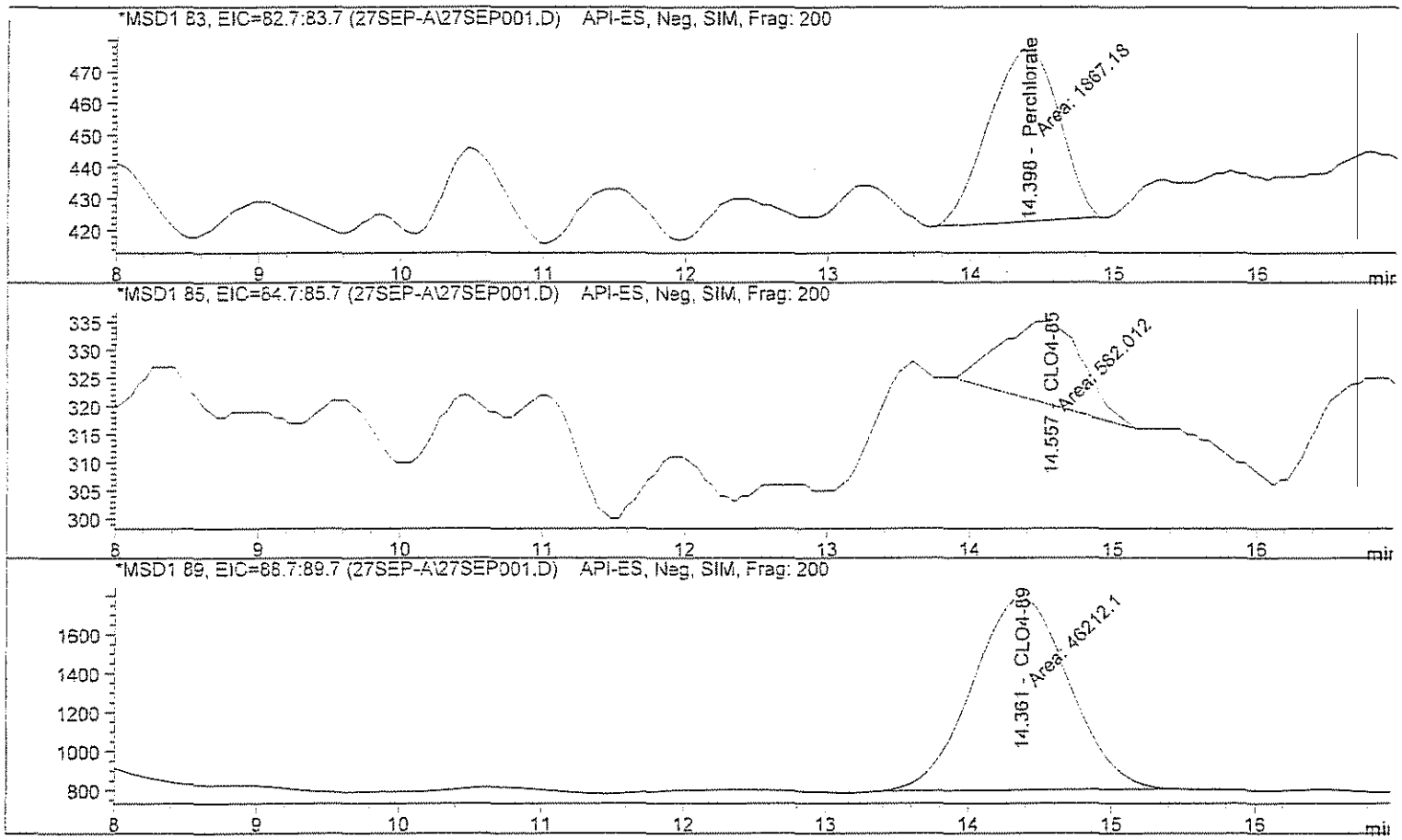
*Comment: Failure due to low peak response. Since LODV1 and LODV3 passed, data is reported as is.

Sequence Table:

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	CCV1	CLO4-ON	1	Ctrl Samp		27SEP001
2	Vial 2	LODV1	CLO4-ON	1	Ctrl Samp		27SEP002
3	Vial 3	ICS	CLO4-ON	1	Ctrl Samp		27SEP003
4	Vial 4	BL-250891-1	CLO4-ON	1	Ctrl Samp		27SEP004
5	Vial 5	QC-250891-1	CLO4-ON	1	Ctrl Samp		27SEP005
6	Vial 7	06E04377	CLO4-ON	1	Sample		27SEP006
7	Vial 8	06E04377MS	CLO4-ON	1	Ctrl Samp		27SEP007
8	Vial 9	06E04377MSD	CLO4-ON	1	Ctrl Samp		27SEP008
9	Vial 10	06E04378	CLO4-ON	1	Sample		27SEP009
10	Vial 11	06E04379	CLO4-ON	1	Sample		27SEP010
11	Vial 12	06E04380	CLO4-ON	1	Sample		27SEP011
12	Vial 13	06E04381	CLO4-ON	1	Sample		27SEP012
13	Vial 6	CCV2	CLO4-ON	1	Ctrl Samp		27SEP013
14	Vial 2	LODV2	CLO4-ON	1	Ctrl Samp		27SEP014
15	Vial 14	06E04390	CLO4-ON	1	Sample		27SEP015
16	Vial 15	06E04391	CLO4-ON	1	Sample		27SEP016
17	Vial 16	06E04392	CLO4-ON	1	Sample		27SEP017
18	Vial 17	06E04393	CLO4-ON	1	Sample		27SEP018
19	Vial 18	06E04383	CLO4-ON	1	Sample		27SEP019
20	Vial 19	06E04439	CLO4-ON	1	Sample		27SEP020
21	Vial 20	06E04440	CLO4-ON	1	Sample		27SEP021
22	Vial 21	06E04441	CLO4-ON	1	Sample		27SEP022
23	Vial 22	06E04442	CLO4-ON	1	Sample		27SEP023
24	Vial 1	CCV3	CLO4-ON	1	Ctrl Samp		27SEP024
25	Vial 2	LODV3	CLO4-ON	1	Ctrl Samp		27SEP025

```
Injection Date  : 9/27/2006 7:01:04 PM          Seq. Line :   1
Sample Name     : CCV1                           Location : Vial 1
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```



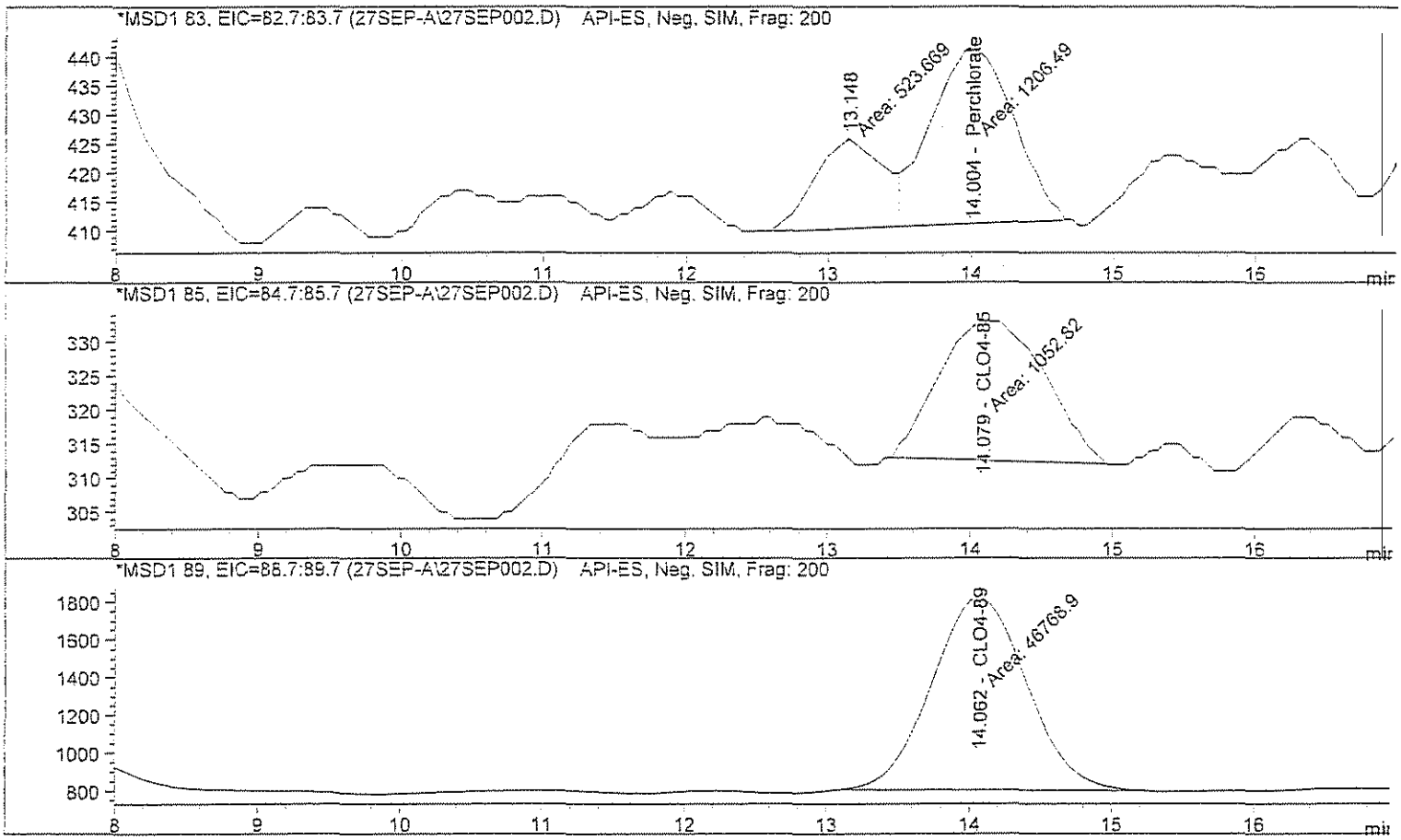
Internal Standard Report

```
Sorted By              :      Signal
Calib. Data Modified   :      9/27/2006 12:51:06 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Sample Amount          :   2.00000e-1  [ug/L]    (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==================================================================================
Injection Date  : 9/27/2006 7:01:04 PM          Seq. Line :   1
Sample Name     : CCV1                           Location : Vial 1
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================================


          Signal 1: MSD1 83, EIC=82.7:83.7
           Signal has been modified after loading from rawdata file!

          RetTime  Type     Area      Amt/Area    Amount   Grp   Name
           [min]                       ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           14.398 MM     1867.18201 8.28175e-1 1.67311e-1    Perchlorate

          Totals without ISTD(s) :              1.67311e-1


          Signal 2: MSD1 85, EIC=84.7:85.7
           Signal has been modified after loading from rawdata file!

          RetTime  Type     Area      Amt/Area    Amount   Grp   Name
           [min]                       ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           14.557 MM      582.01215    2.87729 1.81188e-1    CLO4-85

          Totals without ISTD(s) :              1.81188e-1


          Signal 3: MSD1 89, EIC=88.7:89.7
           Signal has been modified after loading from rawdata file!

          RetTime  Type     Area      Amt/Area    Amount   Grp   Name
           [min]                       ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           14.361 MM  +I 4.62121e4     1.00000    5.00000    CLO4-89

          Totals without ISTD(s) :                0.00000


          1 Warnings or Errors :

          Warning : Elution order of calibrated compounds may have changed

          ==================================================================================
                                      *** End of Report ***
```

200-1e
F10OR002908_01.09_0508_a

```
==================================================================
Injection Date  : 9/27/2006 7:22:35 PM          Seq. Line :   2
Sample Name     : LODV1                          Location : Vial 2
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================
```




```
==================================================================
                      Internal Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      9/27/2006 12:51:06 PM
Multiplier            :      1.0000
Dilution              :      1.0000
Sample Amount         :   1.00000e-1  [ug/L]   (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #      [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==================================================================
Injection Date  : 9/27/2006 7:22:35 PM          Seq. Line :   2
Sample Name     : LODV1                          Location : Vial 2
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.004	FM	1206.49414	7.37179e-1	9.50847e-2		Perchlorate

Totals without ISTD(s) : 9.50847e-2

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.079	MM	1052.82214	2.85828	3.21716e-1		CLO4-85

Totals without ISTD(s) : 3.21716e-1

Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.062	MM ÷I	4.67689e4	1.00000	5.00000		CLO4-89

Totals without ISTD(s) : 0.00000

1 Warnings or Errors :

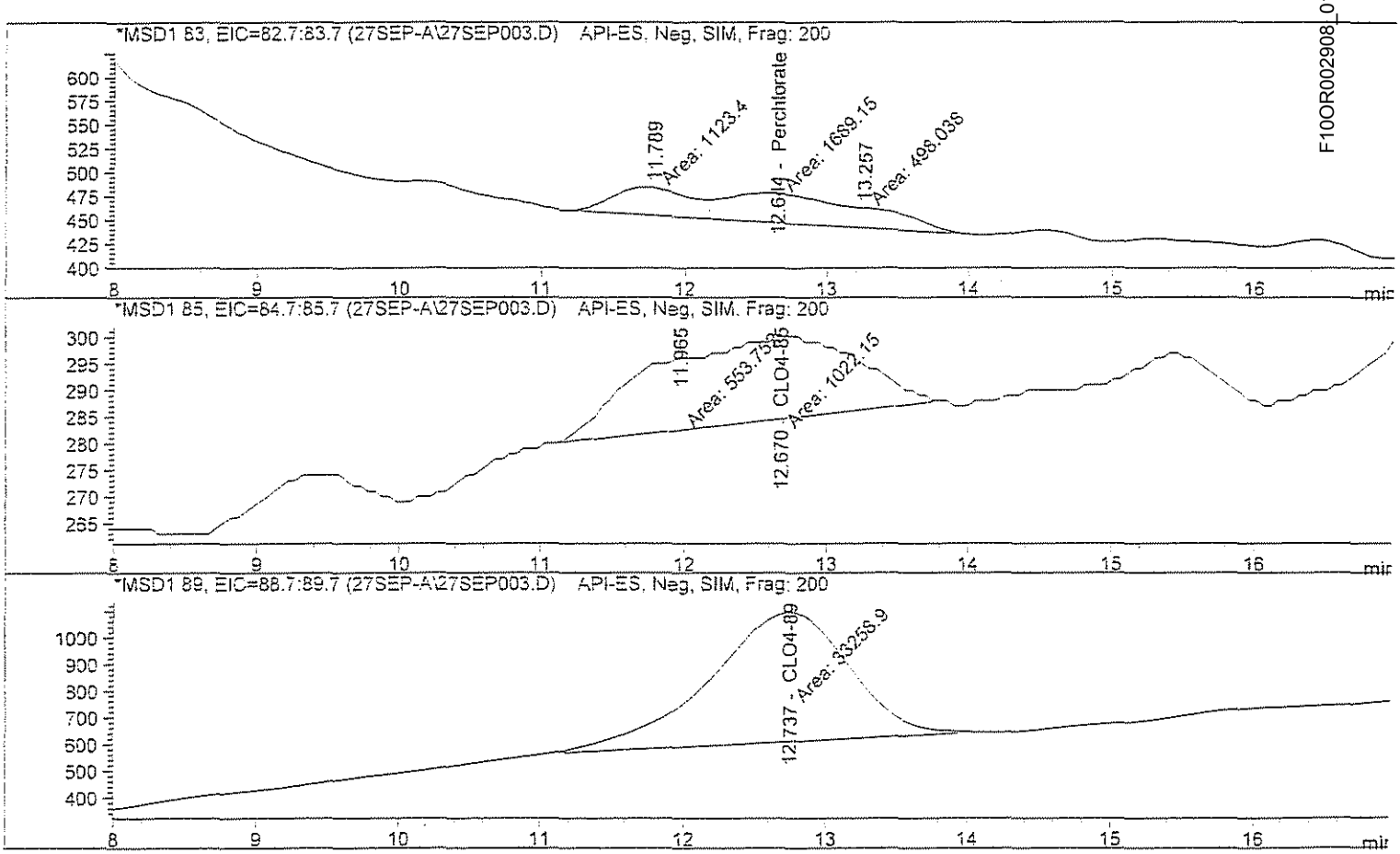
Warning : Elution order of calibrated compounds may have changed

==========

*** End of Report ***

```
Injection Date  : 9/27/2006 7:44:05 PM          Seq. Line :   3
Sample Name     : ICS                            Location : Vial 3
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```

200-1e
F10OR002908_01.09_0508_a

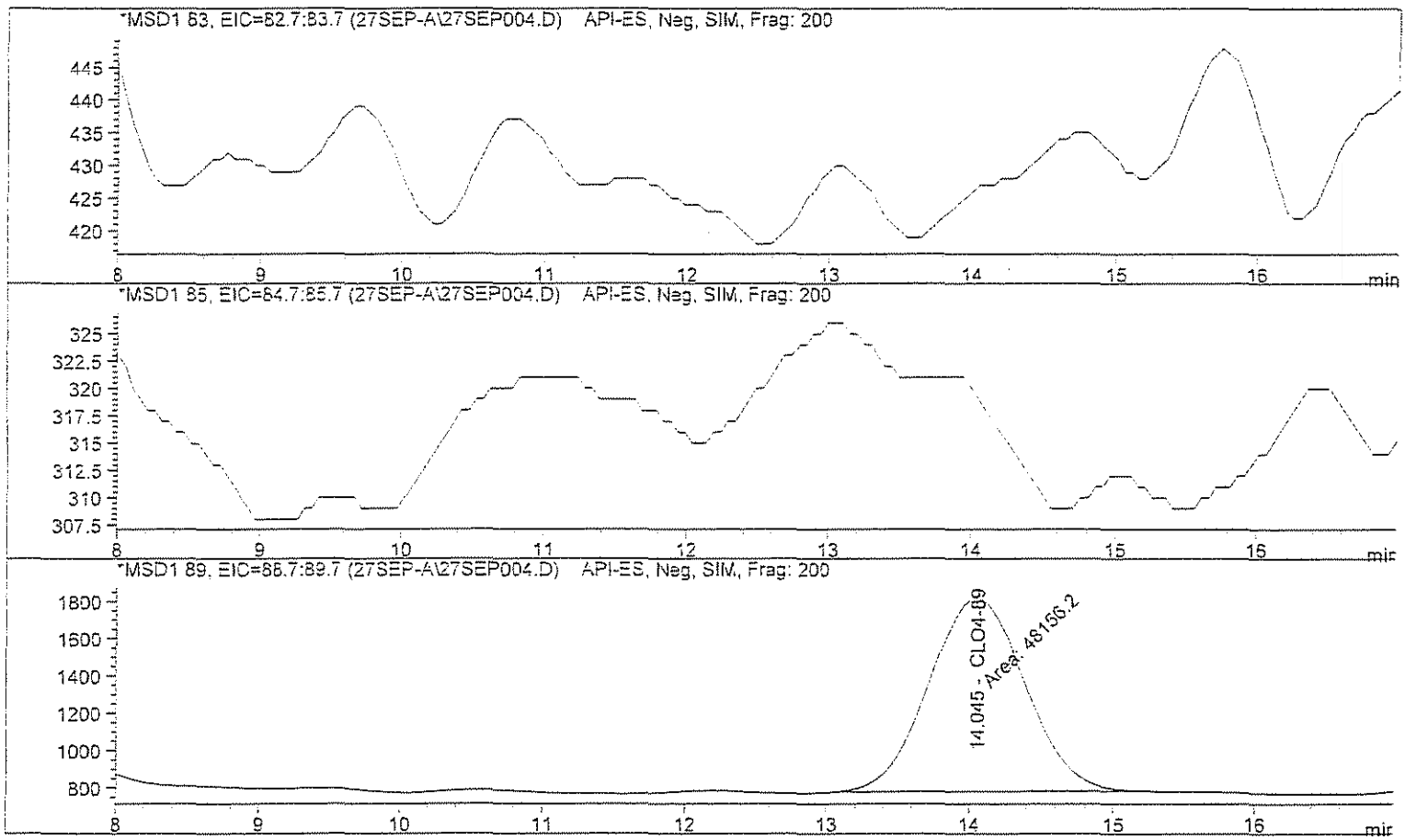


Internal Standard Report

```
Sorted By              :      Signal
Calib. Data Modified   :      9/27/2006 12:51:06 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Sample Amount          :   2.00000e-1  [ug/L]    (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #      [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==========================================================================
Injection Date  : 9/27/2006 7:44:05 PM          Seq. Line :   3
Sample Name     : ICS                            Location : Vial 3
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==========================================================================


Signal 1: MSD1 83, EIC=82.7:83.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 12.644 MF     1689.14880 8.60976e-1 2.18636e-1    Perchlorate

Totals without ISTD(s) :              2.18636e-1


Signal 2: MSD1 85, EIC=84.7:85.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 12.670 FM     1022.14636    2.85183 4.38226e-1    CLO4-85

Totals without ISTD(s) :              4.38226e-1


Signal 3: MSD1 89, EIC=88.7:89.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 12.737 MM  +I 3.32589e4     1.00000    5.00000    CLO4-89

Totals without ISTD(s) :                 0.00000


==========================================================================
                          *** End of Report ***
```

```
Injection Date  : 9/27/2006 8:05:36 PM          Seq. Line :   4
Sample Name     : BL-250891-1                    Location : Vial 4
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```




```
                    Internal Standard Report

Sorted By             :      Signal
Calib. Data Modified  :      9/27/2006 12:51:06 PM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

```
==================================================================
Injection Date  : 9/27/2006 8:05:36 PM          Seq. Line :   4
Sample Name     : BL-250891-1                    Location : Vial 4
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================
```

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.940		-	-	-	-	Perchlorate

Totals without ISTD(s) : 0.00000

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.993		-	-	-		CLO4-85

Totals without ISTD(s) : 0.00000

Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.045	MM +I	4.81562e4	1.00000	5.00000		CLO4-89

Totals without ISTD(s) : 0.00000

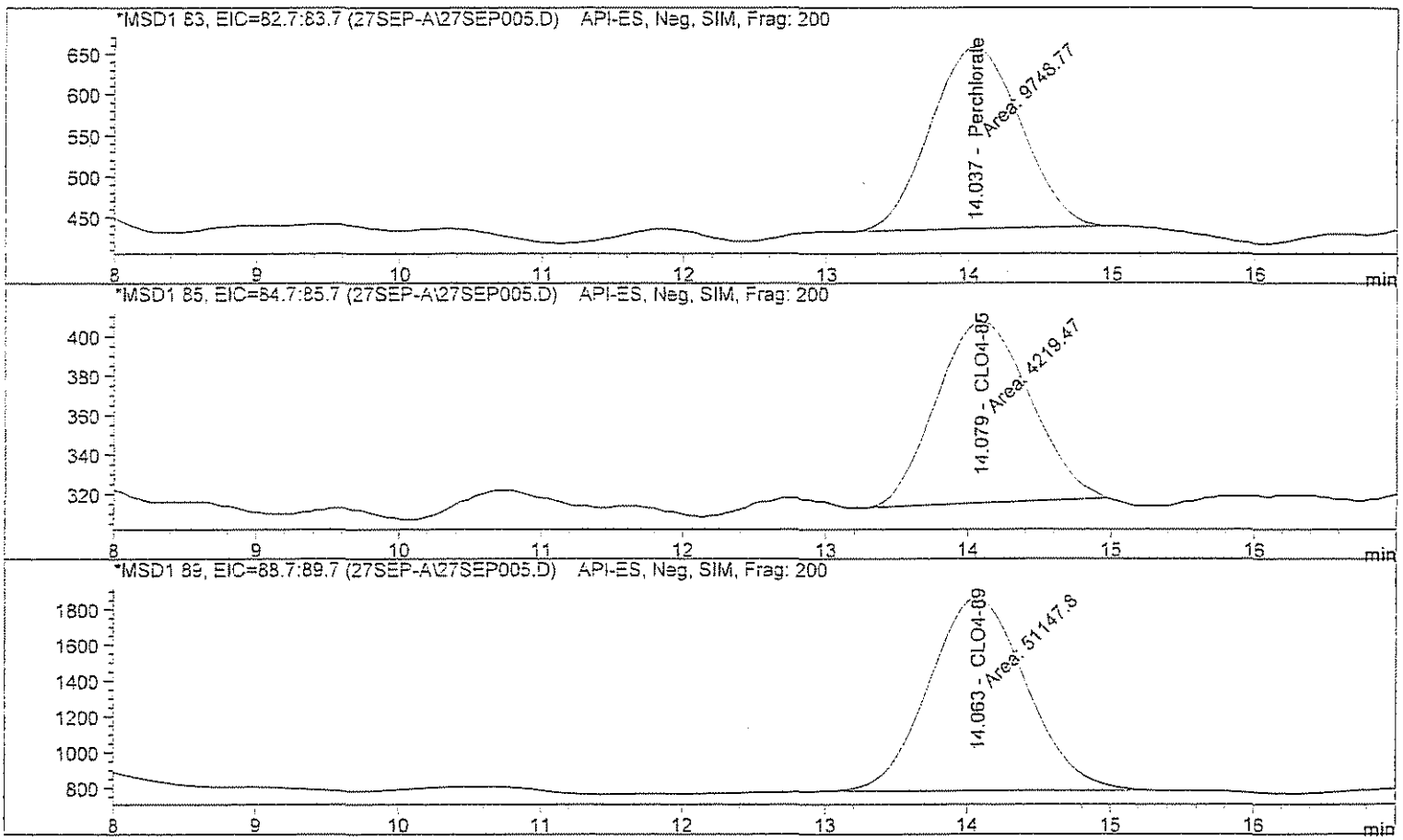
2 Warnings or Errors :

Warning : Calibrated compound(s) not found
Warning : Amount limits exceeded

==========

*** End of Report ***

```
Injection Date  : 9/27/2006 8:27:06 PM          Seq. Line :   5
Sample Name     : QC-250891-1                    Location : Vial 5
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```

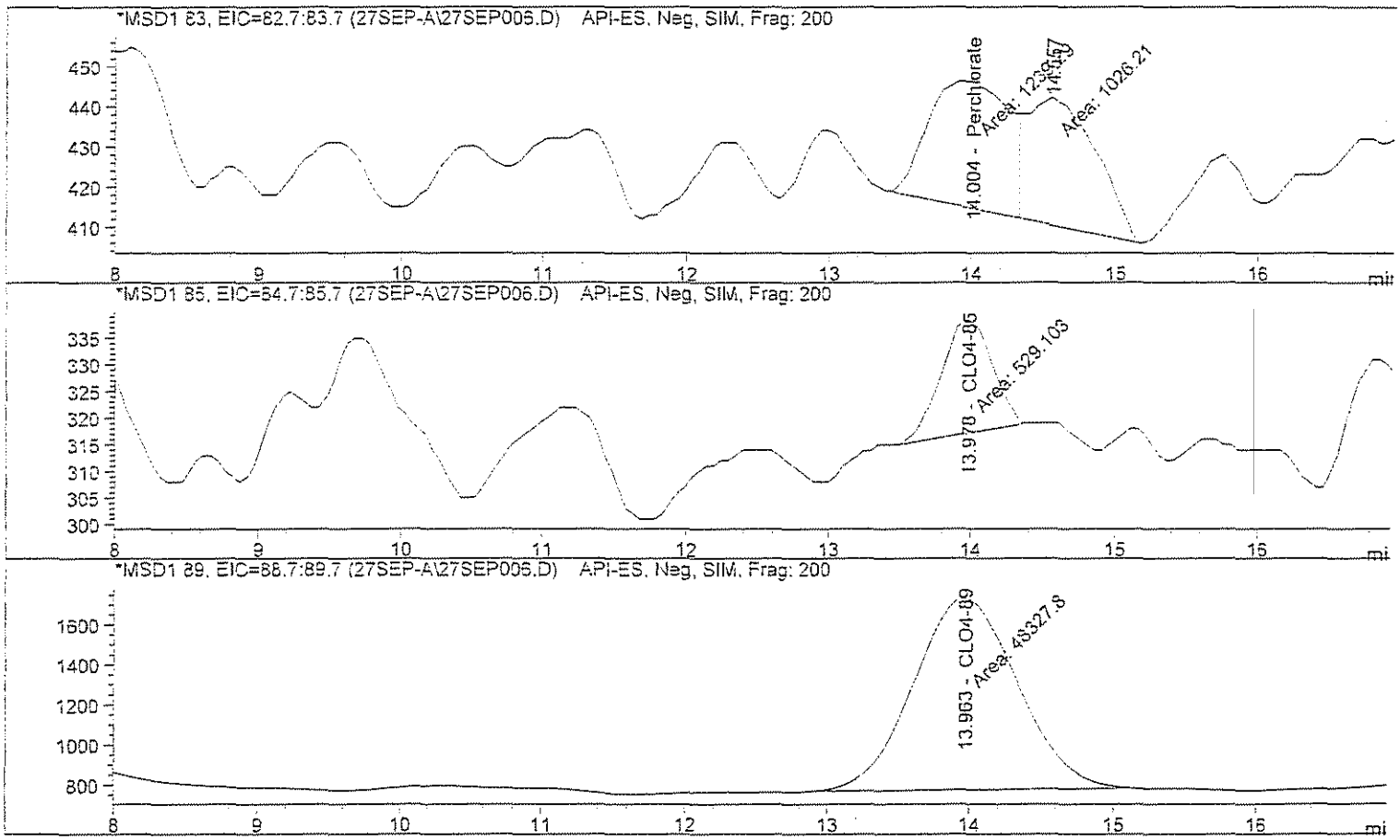



```
                    Internal Standard Report

Sorted By             :      Signal
Calib. Data Modified  :      9/27/2006 12:51:06 PM
Multiplier            :      1.0000
Dilution              :      1.0000
Sample Amount         :      1.00000  [ug/L]   (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==========================================================================
Injection Date  : 9/27/2006 8:27:06 PM          Seq. Line :   5
Sample Name     : QC-250891-1                    Location : Vial 5
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==========================================================================


Signal 1: MSD1 83, EIC=82.7:83.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area     Amt/Area    Amount   Grp   Name
 [min]                      ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 14.037 MM     9748.76758 9.53467e-1 9.08653e-1    Perchlorate

Totals without ISTD(s) :             9.08653e-1


Signal 2: MSD1 85, EIC=84.7:85.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area     Amt/Area    Amount   Grp   Name
 [min]                      ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 14.079 MM     4219.46924    2.84077    1.17175    CLO4-85

Totals without ISTD(s) :                1.17175


Signal 3: MSD1 89, EIC=88.7:89.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area     Amt/Area    Amount   Grp   Name
 [min]                      ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 14.063 MM  +I 5.11478e4     1.00000    5.00000    CLO4-89

Totals without ISTD(s) :                0.00000


1 Warnings or Errors :

Warning : Elution order of calibrated compounds may have changed

==========================================================================
                          *** End of Report ***
```

Injection Date	: 9/27/2006 8:48:35 PM	Seq. Line :	6
Sample Name	: 06E04377	Location :	Vial 7
Acq. Operator	: TTM	Inj :	1
Acq. Instrument	: LCMS02	Inj Volume :	10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\CLO4-ON.M		
Last changed	: 9/26/2006 4:35:17 PM by TTM		
Analysis Method	: C:\HPCHEM\1\METHODS\CLO4-DOD.M		
Last changed	: 9/27/2006 12:51:08 PM by TTM		
	(Results are from a previously saved Batch)		

Perchlorate analysis



Internal Standard Report

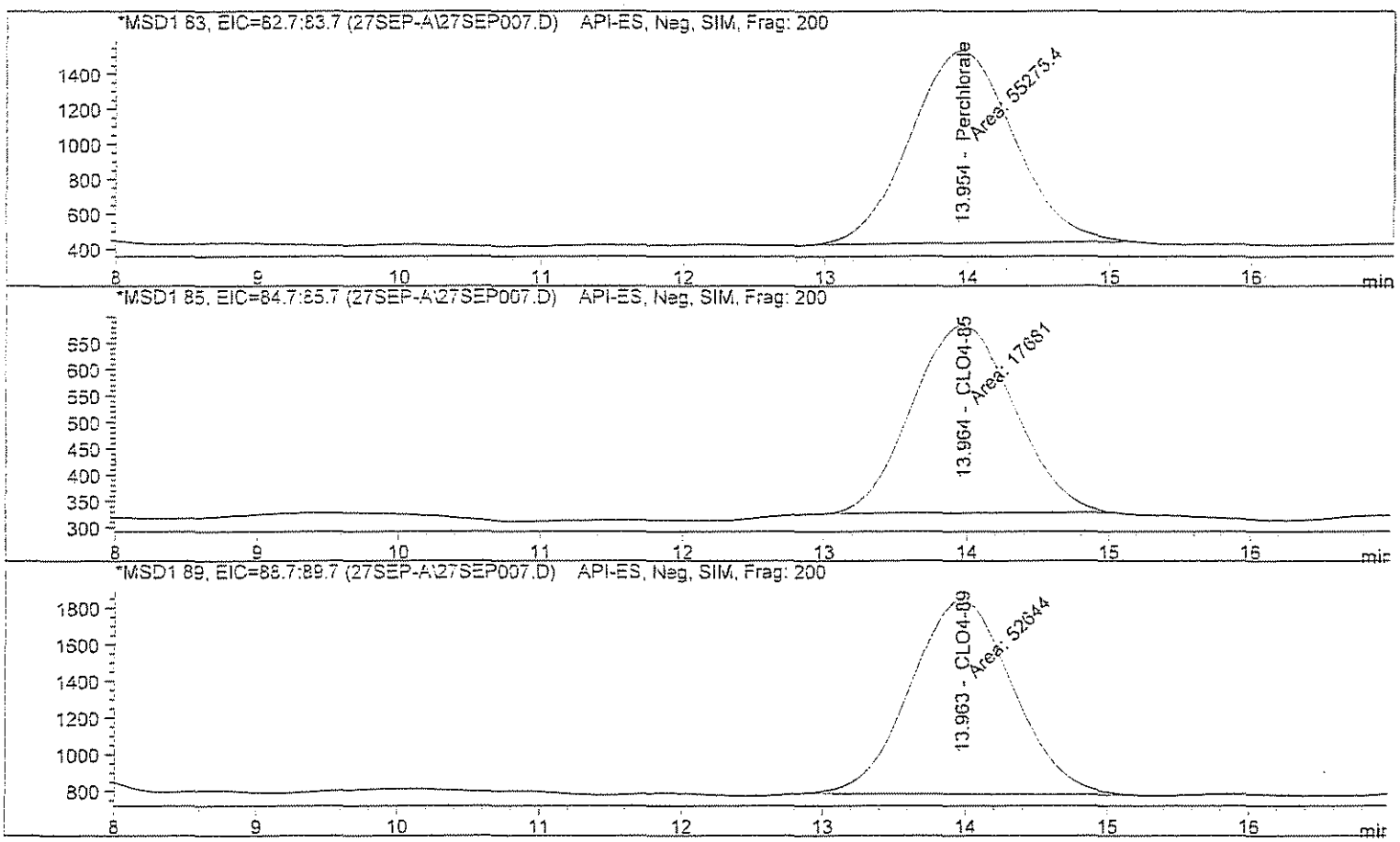
Sorted By : Signal
Calib. Data Modified : 9/27/2006 12:51:06 PM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:

ISTD #	ISTD Amount [ug/L]	Name
1	5.00000	CLO4-89

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

```
==========================================================================
Injection Date  : 9/27/2006 8:48:35 PM          Seq. Line :   6
Sample Name     : 06E04377                       Location : Vial 7
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==========================================================================

          RetTime  Type     Area      Amt/Area    Amount   Grp   Name
           [min]                        ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           14.004 MF     1239.29480 7.35672e-1 9.43262e-2    Perchlorate

          Totals without ISTD(s) :              9.43262e-2


          Signal 2: MSD1 85, EIC=84.7:85.7
           Signal has been modified after loading from rawdata file!

          RetTime  Type     Area      Amt/Area    Amount   Grp   Name
           [min]                        ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           13.978 MM      529.10266    2.88377 1.57861e-1    CLO4-85

          Totals without ISTD(s) :              1.57861e-1


          Signal 3: MSD1 89, EIC=88.7:89.7
           Signal has been modified after loading from rawdata file!

          RetTime  Type     Area      Amt/Area    Amount   Grp   Name
           [min]                        ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           13.963 MM  +I 4.83278e4     1.00000    5.00000    CLO4-89

          Totals without ISTD(s) :                 0.00000


          1 Warnings or Errors :

          Warning : Elution order of calibrated compounds may have changed

          ==========================================================================
                                   *** End of Report ***
```

```
Injection Date  : 9/27/2006 9:10:06 PM          Seq. Line :   7
Sample Name     : 06E04377MS                     Location : Vial 8
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```




```
                    Internal Standard Report

Sorted By             :      Signal
Calib. Data Modified  :      9/27/2006 12:51:06 PM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89


Signal 1: MSD1 83, EIC=82.7:83.7
 Signal has been modified after loading from rawdata file!
```

```
==========================================================================
Injection Date  : 9/27/2006 9:10:06 PM          Seq. Line :   7
Sample Name     : 06E04377MS                     Location : Vial 8
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==========================================================================
```

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.954	MM	5.52754e4	9.72700e-1	5.10661		Perchlorate

Totals without ISTD(s) : 5.10661

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.964	MM	1.76810e4	2.83599	4.76248		CLO4-85

Totals without ISTD(s) : 4.76248

Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.963	MM +I	5.26440e4	1.00000	5.00000		CLO4-89

Totals without ISTD(s) : 0.00000

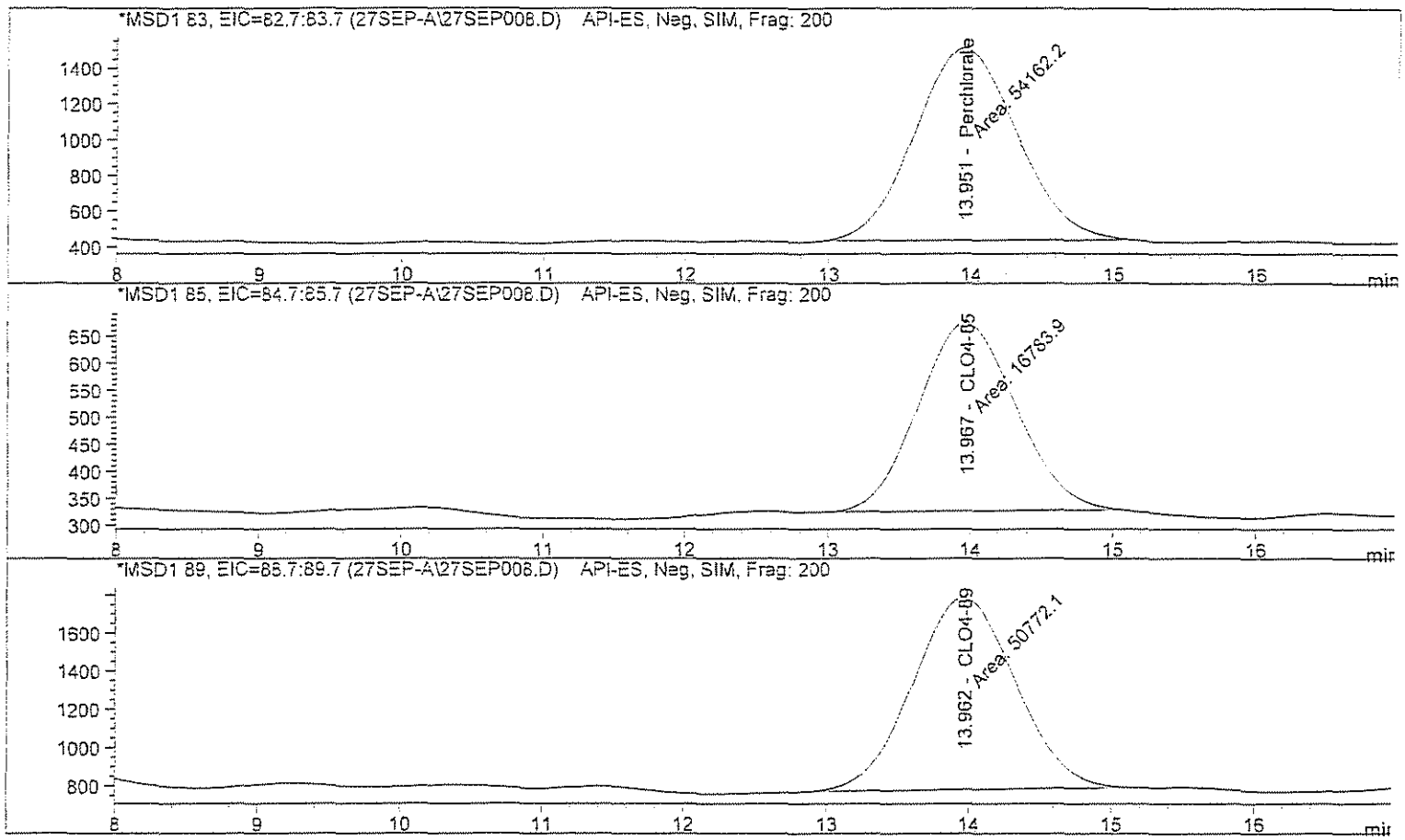
1 Warnings or Errors :

Warning : Elution order of calibrated compounds may have changed

==========

*** End of Report ***

```
Injection Date  : 9/27/2006 9:31:37 PM          Seq. Line :   8
Sample Name     : 06E04377MSD                    Location : Vial 9
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```



Internal Standard Report

```
Sorted By              :      Signal
Calib. Data Modified   :      9/27/2006 12:51:06 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

```
Injection Date  : 9/27/2006 9:31:37 PM          Seq. Line :   8
Sample Name     : 06E04377MSD                    Location : Vial 9
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.951	MM	5.41622e4	9.72631e-1	5.18787		Perchlorate

Totals without ISTD(s) : 5.18787

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.967	MM	1.67839e4	2.83601	4.68754		CLO4-85

Totals without ISTD(s) : 4.68754

Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.962	MM +I	5.07721e4	1.00000	5.00000		CLO4-89

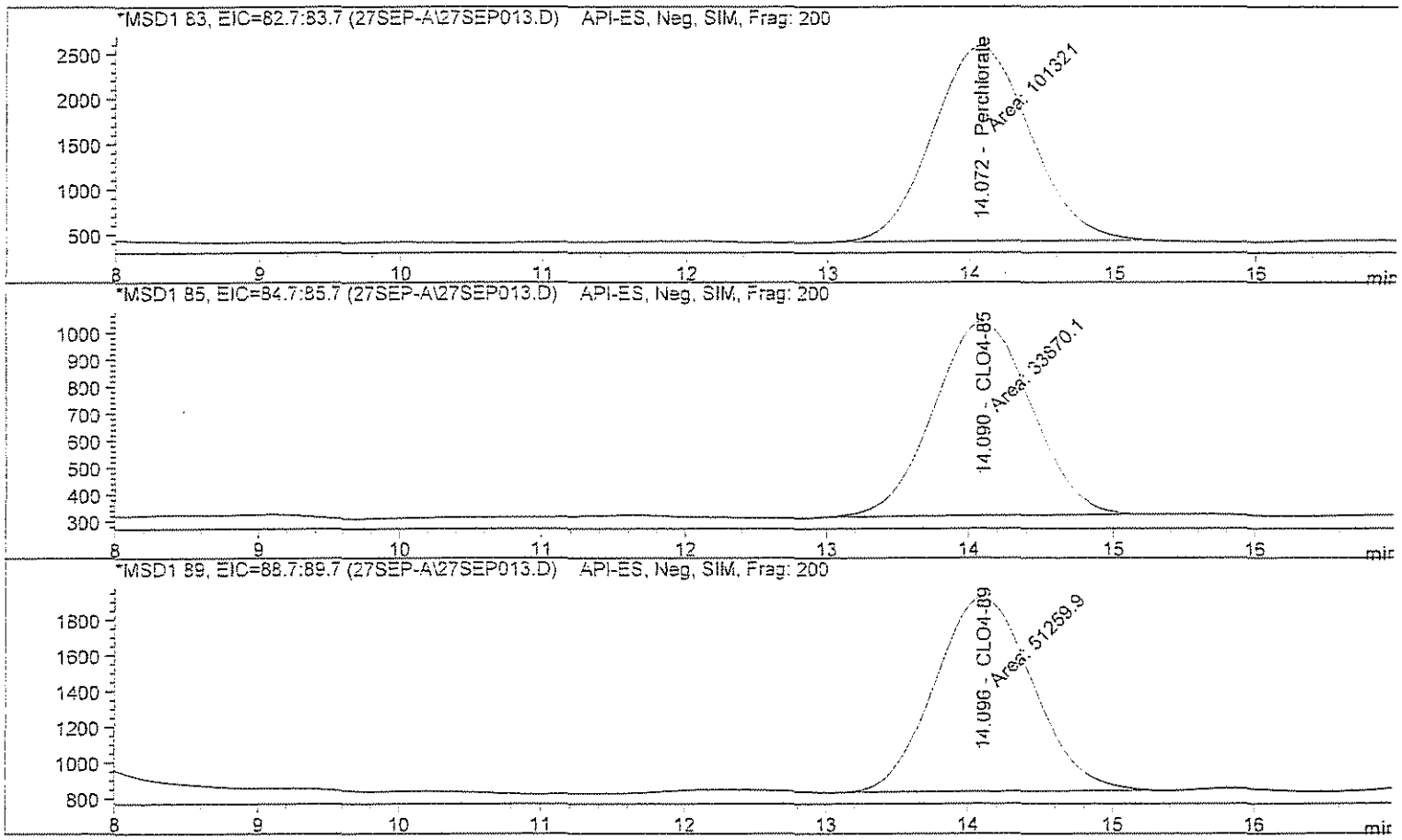
Totals without ISTD(s) : 0.00000

1 Warnings or Errors :

Warning : Elution order of calibrated compounds may have changed

*** End of Report ***

```
Injection Date  : 9/27/2006 11:19:11 PM          Seq. Line :  13
Sample Name     : CCV2                            Location : Vial 6
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```



Internal Standard Report

```
Sorted By              :      Signal
Calib. Data Modified   :      9/27/2006 12:51:06 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Sample Amount          :     10.00000  [ug/L]    (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==================================================================
Injection Date  : 9/27/2006 11:19:11 PM          Seq. Line :  13
Sample Name     : CCV2                            Location : Vial 6
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.072	MM	1.01321e5	9.66560e-1	9.55256		Perchlorate

Totals without ISTD(s) : 9.55256

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.090	MM	3.38701e4	2.83543	9.36758		CLO4-85

Totals without ISTD(s) : 9.36758

Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

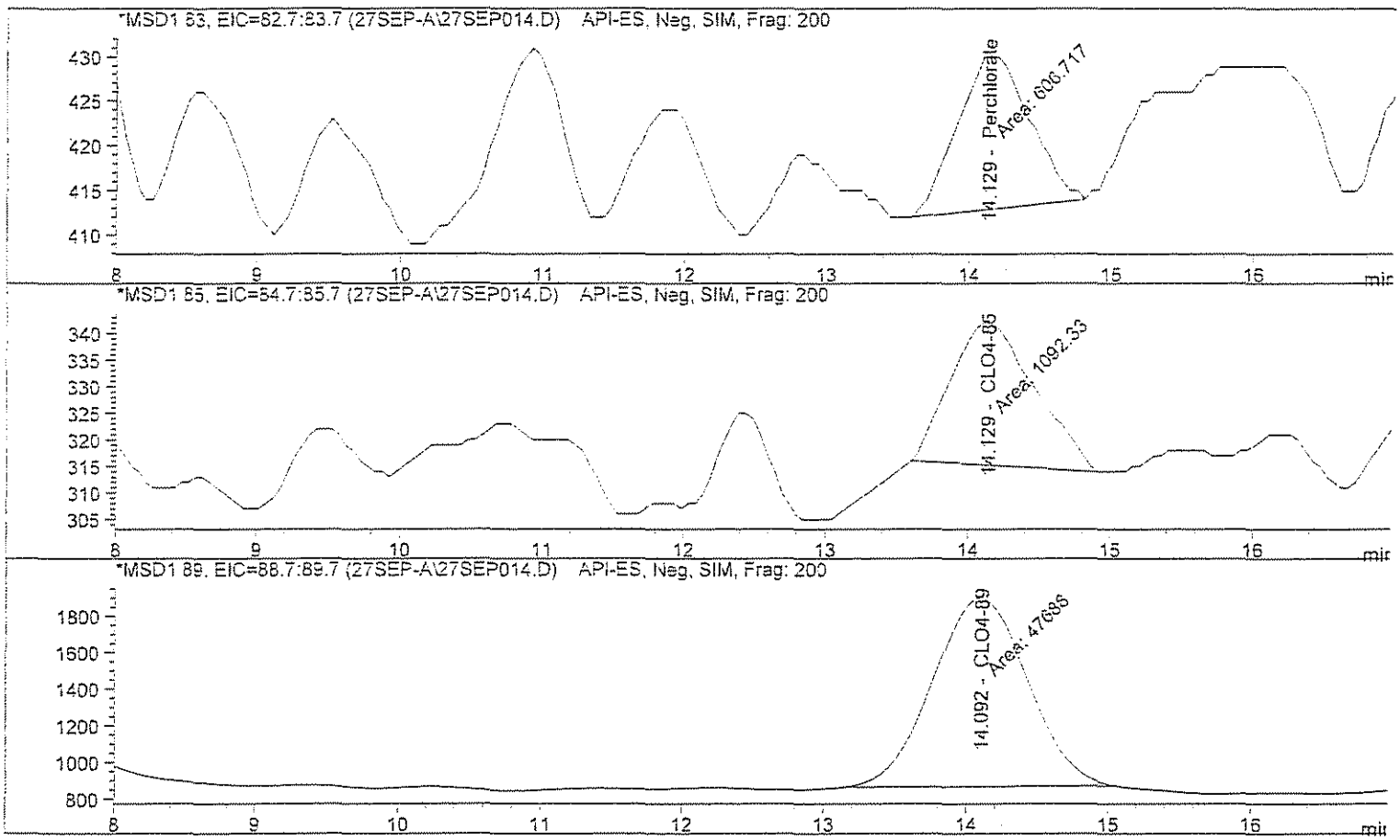
RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.096	MM +I	5.12599e4	1.00000	5.00000		CLO4-89

Totals without ISTD(s) : 0.00000

==========

*** End of Report ***

```
Injection Date  : 9/27/2006 11:40:42 PM          Seq. Line :  14
Sample Name     : LODV2                           Location : Vial 2
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```



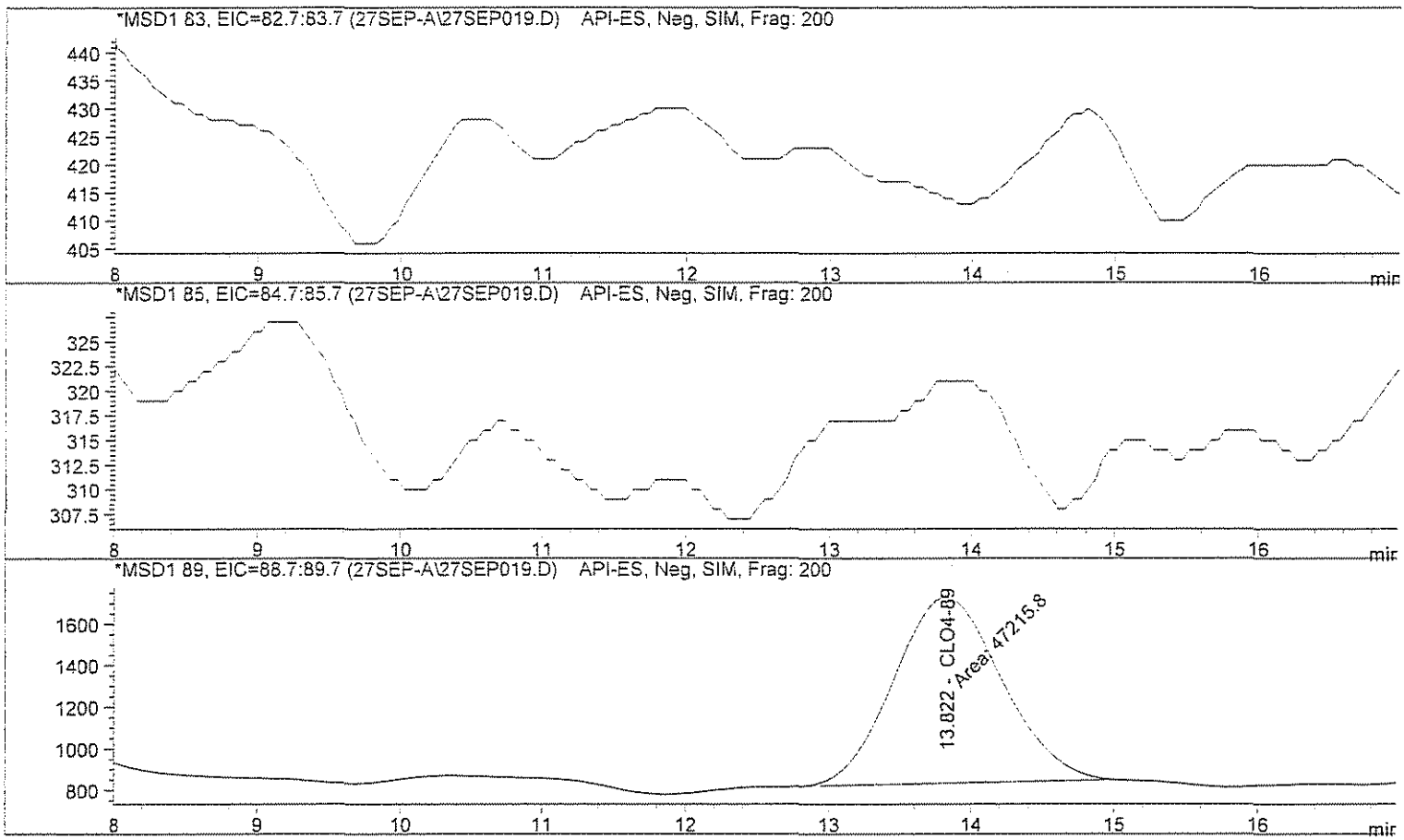
Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      9/27/2006 12:51:06 PM
Multiplier            :      1.0000
Dilution              :      1.0000
Sample Amount         :   1.00000e-1  [ug/L]   (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #      [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==========================================================================
Injection Date  : 9/27/2006 11:40:42 PM          Seq. Line :  14
Sample Name     : LODV2                           Location : Vial 2
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==========================================================================


Signal 1: MSD1 83, EIC=82.7:83.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 14.129 MM      606.71655 4.78232e-1 3.04218e-2-   Perchlorate

Totals without ISTD(s) :              3.04218e-2


Signal 2: MSD1 85, EIC=84.7:85.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 14.129 MM     1092.32764    2.85786 3.27307e-1    CLO4-85

Totals without ISTD(s) :              3.27307e-1


Signal 3: MSD1 89, EIC=88.7:89.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 14.092 MM  +I 4.76880e4     1.00000    5.00000    CLO4-89

Totals without ISTD(s) :                0.00000


2 Warnings or Errors :

Warning : Elution order of calibrated compounds may have changed
Warning : Amount limits exceeded

==========================================================================
                          *** End of Report ***
```

Injection Date	: 9/28/2006 1:28:14 AM	Seq. Line :	19
Sample Name	: 06E04383	Location :	Vial 18
Acq. Operator	: TTM	Inj :	1
Acq. Instrument	: LCMS02	Inj Volume :	10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\CLO4-ON.M		
Last changed	: 9/26/2006 4:35:17 PM by TTM		
Analysis Method	: C:\HPCHEM\1\METHODS\CLO4-DOD.M		
Last changed	: 9/27/2006 12:51:08 PM by TTM		
	(Results are from a previously saved Batch)		

Perchlorate analysis



Internal Standard Report

Sorted By	:	Signal
Calib. Data Modified	:	9/27/2006 12:51:06 PM
Multiplier	:	1.0000
Dilution	:	1.0000

Use Multiplier & Dilution Factor with ISTDs

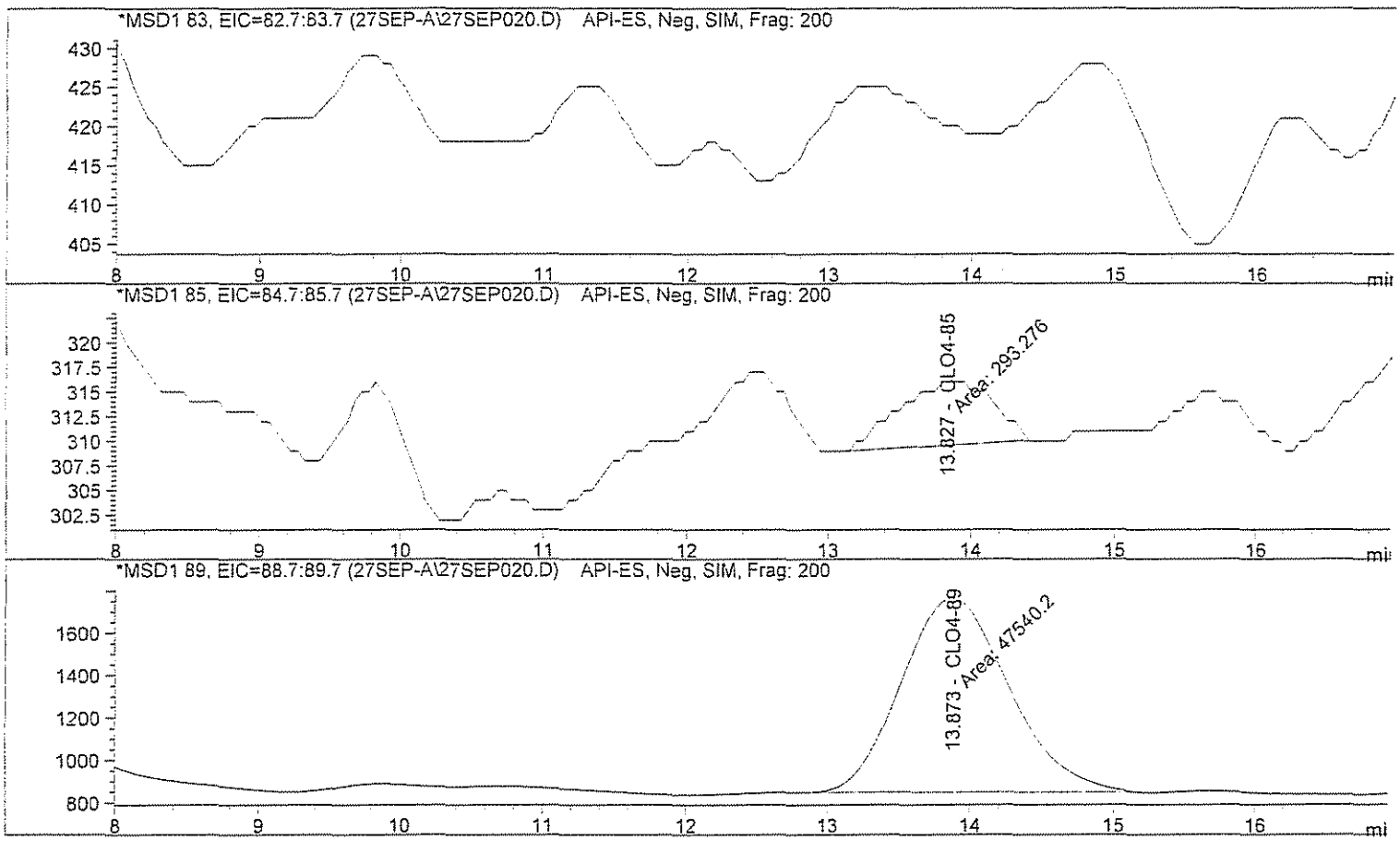
Sample ISTD Information:

ISTD #	ISTD Amount [ug/L]	Name
1	5.00000	CLO4-89

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

```
==========================================================================
Injection Date  : 9/29/2006 1:28:14 AM          Seq. Line :  19
Sample Name     : 06E04383                       Location : Vial 18
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==========================================================================

          RetTime  Type     Area     Amt/Area    Amount   Grp   Name
           [min]                      ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           13.718            -          -          -     -   Perchlorate

          Totals without ISTD(s) :                0.00000


          Signal 2: MSD1 85, EIC=84.7:85.7
           Signal has been modified after loading from rawdata file!

          RetTime  Type     Area     Amt/Area    Amount   Grp   Name
           [min]                      ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           13.770            -          -          -         CLO4-85

          Totals without ISTD(s) :                0.00000


          Signal 3: MSD1 89, EIC=88.7:89.7
           Signal has been modified after loading from rawdata file!

          RetTime  Type     Area     Amt/Area    Amount   Grp   Name
           [min]                      ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           13.822 MM  +I 4.72158e4     1.00000    5.00000    CLO4-89

          Totals without ISTD(s) :                0.00000


          2 Warnings or Errors :

          Warning : Calibrated compound(s) not found
          Warning : Amount limits exceeded

          ==========================================================================
                                   *** End of Report ***
```

```
Injection Date  : 9/28/2006 1:49:46 AM          Seq. Line :  20
Sample Name     : 06E04439                       Location : Vial 19
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```



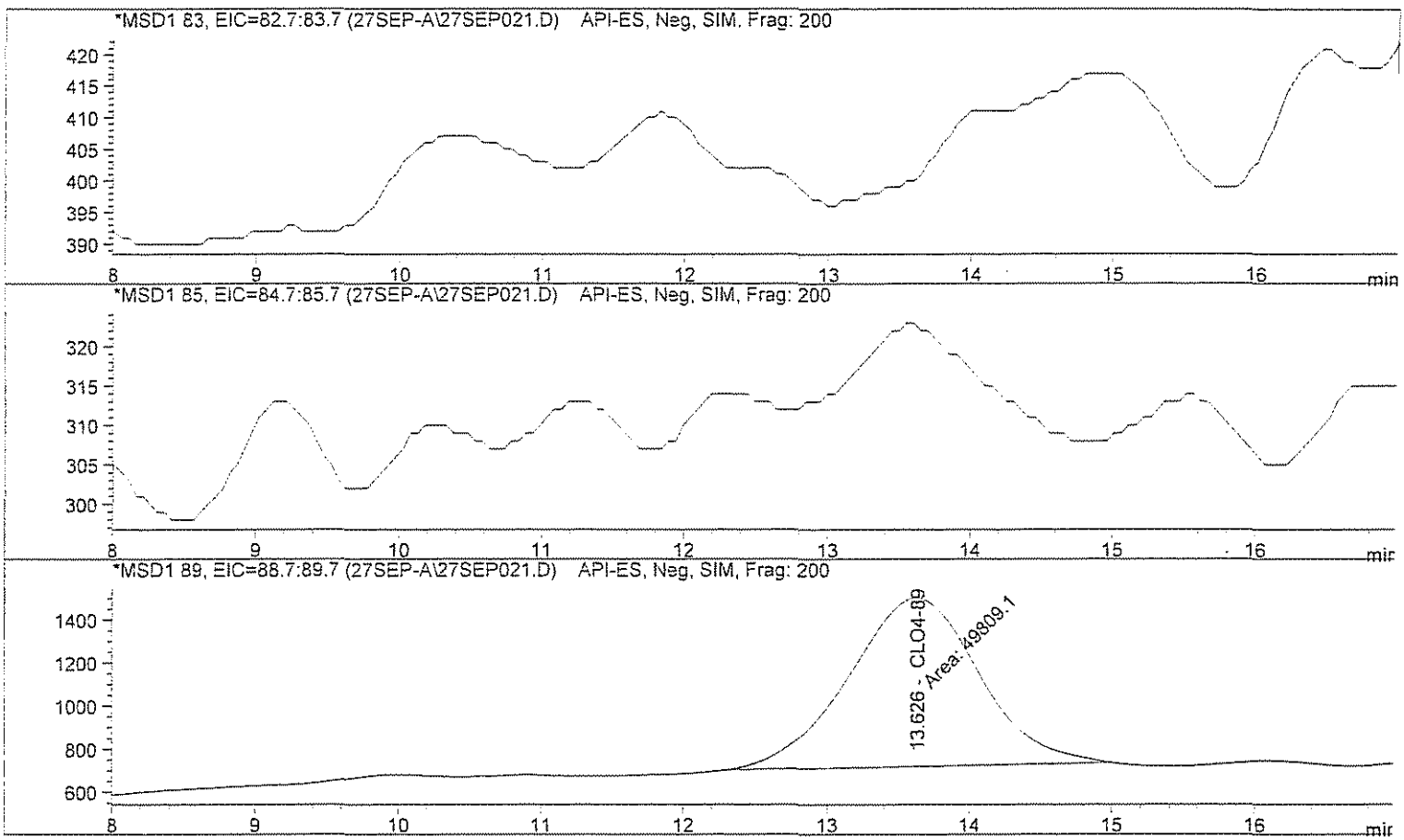
Internal Standard Report

```
Sorted By              :      Signal
Calib. Data Modified   :      9/27/2006 12:51:06 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

```
==================================================================================
Injection Date  : 9/28/2006 1:49:46 AM          Seq. Line :  20
Sample Name     : 06E04439                       Location : Vial 19
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================================

          RetTime  Type     Area      Amt/Area    Amount   Grp   Name
           [min]                       ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           13.768            -          -          -     -   Perchlorate

          Totals without ISTD(s) :                 0.00000


          Signal 2: MSD1 85, EIC=84.7:85.7
           Signal has been modified after loading from rawdata file!

          RetTime  Type     Area      Amt/Area    Amount   Grp   Name
           [min]                       ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           13.827 MM      293.27560    2.92223 9.01362e-2    CLO4-85

          Totals without ISTD(s) :             9.01362e-2


          Signal 3: MSD1 89, EIC=88.7:89.7
           Signal has been modified after loading from rawdata file!

          RetTime  Type     Area      Amt/Area    Amount   Grp   Name
           [min]                       ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           13.873 MM  +I 4.75402e4     1.00000    5.00000    CLO4-89

          Totals without ISTD(s) :                 0.00000


          2 Warnings or Errors :

          Warning : Calibrated compound(s) not found
          Warning : Amount limits exceeded

          ==================================================================================
                                    *** End of Report ***
```

```
Injection Date  : 9/28/2006 2:11:17 AM          Seq. Line :  21
Sample Name     : 06E04440                       Location : Vial 20
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```



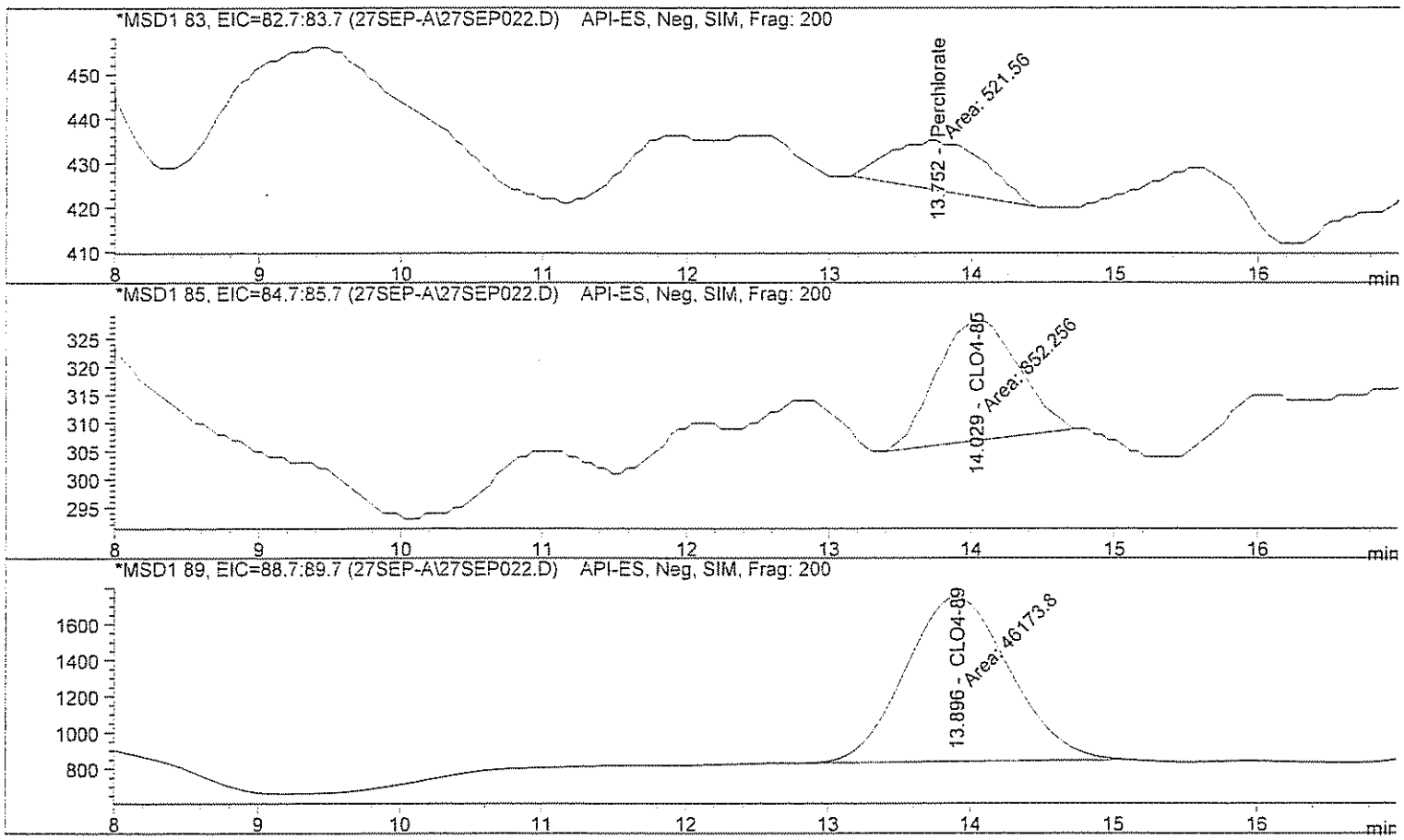
Internal Standard Report

```
Sorted By              :      Signal
Calib. Data Modified   :      9/27/2006 12:51:06 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount    Name
  #      [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

```
==========================================================================
Injection Date  : 9/28/2006 2:11:17 AM          Seq. Line :  21
Sample Name     : 06E04440                       Location : Vial 20
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==========================================================================

          RetTime  Type     Area     Amt/Area    Amount   Grp   Name
           [min]                      ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           13.523            -          -          -     -   Perchlorate

          Totals without ISTD(s) :                0.00000


          Signal 2: MSD1 85, EIC=84.7:85.7
           Signal has been modified after loading from rawdata file!

          RetTime  Type     Area     Amt/Area    Amount   Grp   Name
           [min]                      ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           13.575            -          -          -         CLO4-85

          Totals without ISTD(s) :                0.00000


          Signal 3: MSD1 89, EIC=88.7:89.7
           Signal has been modified after loading from rawdata file!

          RetTime  Type     Area     Amt/Area    Amount   Grp   Name
           [min]                      ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           13.626 MM  +I 4.98091e4     1.00000    5.00000    CLO4-89

          Totals without ISTD(s) :                0.00000


          2 Warnings or Errors :

          Warning : Calibrated compound(s) not found
          Warning : Amount limits exceeded

          ==========================================================================
                                  *** End of Report ***
```

```
Injection Date  : 9/28/2006 2:32:51 AM          Seq. Line :  22
Sample Name     : 06E04441                       Location : Vial 21
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```

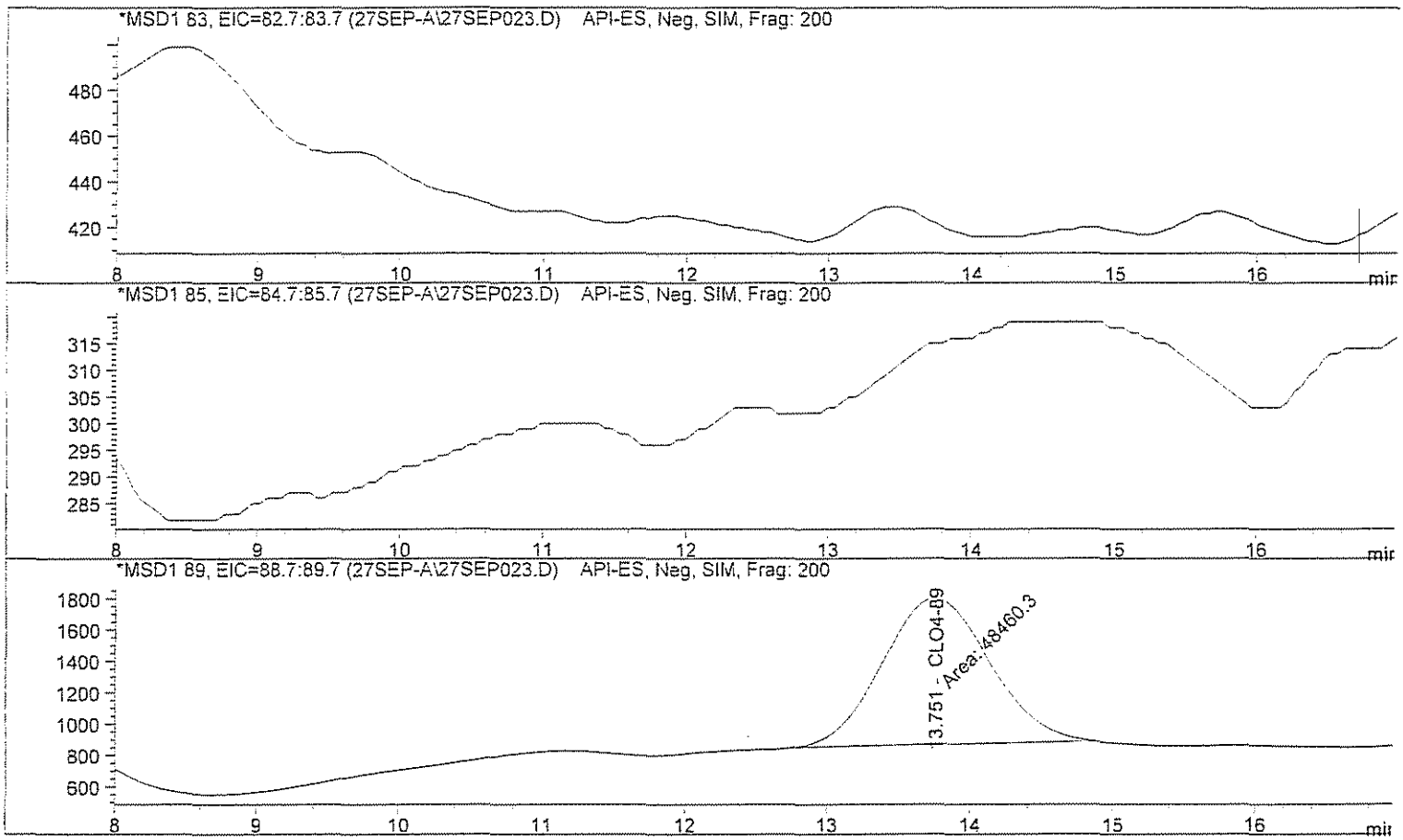


Internal Standard Report

```
Sorted By              :      Signal
Calib. Data Modified   :      9/27/2006 12:51:06 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89


Signal 1: MSD1 83, EIC=82.7:83.7
 Signal has been modified after loading from rawdata file!
```

```
==========================================================================
Injection Date  : 9/28/2006 2:32:51 AM          Seq. Line :  22
Sample Name     : 06E04441                       Location : Vial 21
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==========================================================================

          RetTime  Type     Area      Amt/Area    Amount   Grp   Name
           [min]                       ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           13.752 MM      521.56000 4.13663e-1 2.33628e-2-   Perchlorate

          Totals without ISTD(s) :             2.33628e-2


          Signal 2: MSD1 85, EIC=84.7:85.7
           Signal has been modified after loading from rawdata file!

          RetTime  Type     Area      Amt/Area    Amount   Grp   Name
           [min]                       ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           14.029 MM      852.25647    2.86358 2.64273e-1    CLO4-85

          Totals without ISTD(s) :             2.64273e-1


          Signal 3: MSD1 89, EIC=88.7:89.7
           Signal has been modified after loading from rawdata file!

          RetTime  Type     Area      Amt/Area    Amount   Grp   Name
           [min]                       ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           13.896 MM  +I 4.61738e4     1.00000    5.00000    CLO4-89

          Totals without ISTD(s) :                0.00000


          2 Warnings or Errors :

          Warning : Elution order of calibrated compounds may have changed
          Warning : Amount limits exceeded

          ==========================================================================
                                  *** End of Report ***
```

```
Injection Date  : 9/28/2006 2:54:20 AM          Seq. Line :  23
Sample Name     : 06E04442                       Location : Vial 22
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```



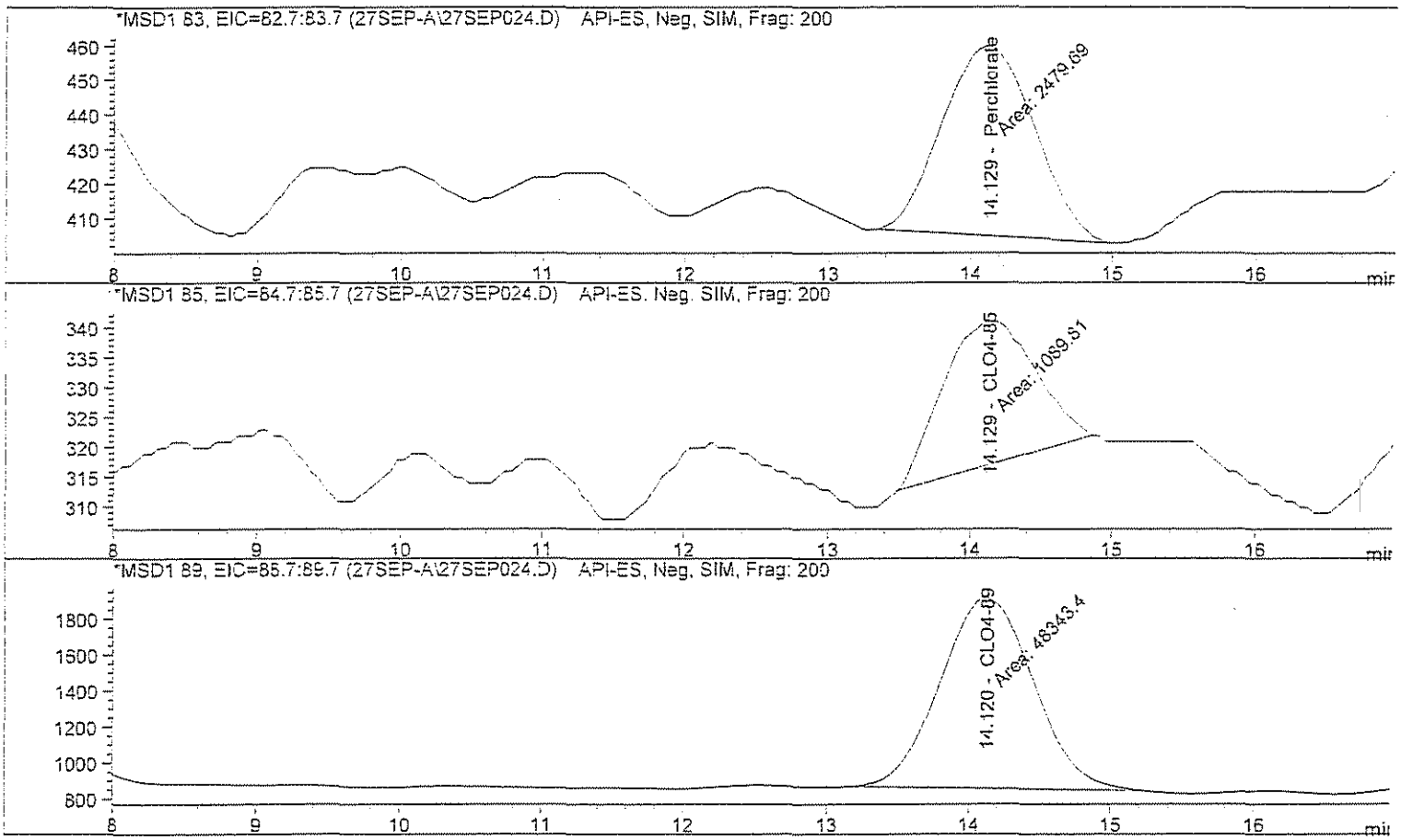
Internal Standard Report

```
Sorted By              :      Signal
Calib. Data Modified   :      9/27/2006 12:51:06 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount    Name
  #      [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89


Signal 1: MSD1 83, EIC=82.7:83.7
 Signal has been modified after loading from rawdata file!
```

```
==================================================================================
Injection Date  : 9/28/2006 2:54:20 AM          Seq. Line :  23
Sample Name     : 06E04442                       Location : Vial 22
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================================

          RetTime  Type     Area     Amt/Area    Amount   Grp   Name
           [min]                      ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           13.647            -          -          -     -   Perchlorate

          Totals without ISTD(s) :                0.00000


          Signal 2: MSD1 85, EIC=84.7:85.7
           Signal has been modified after loading from rawdata file!

          RetTime  Type     Area     Amt/Area    Amount   Grp   Name
           [min]                      ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           13.699            -          -          -         CLO4-85

          Totals without ISTD(s) :                0.00000


          Signal 3: MSD1 89, EIC=88.7:89.7
           Signal has been modified after loading from rawdata file!

          RetTime  Type     Area     Amt/Area    Amount   Grp   Name
           [min]                      ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           13.751 MM  +I 4.84603e4     1.00000    5.00000    CLO4-89

          Totals without ISTD(s) :                0.00000


          2 Warnings or Errors :

          Warning : Calibrated compound(s) not found
          Warning : Amount limits exceeded

          ==================================================================================
                                    *** End of Report ***
```

200-1e
F10OR002908_01.09_0508_a

```
Injection Date  : 9/29/2006 3:15:50 AM          Seq. Line :  24
Sample Name     : CCV3                           Location : Vial 1
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```




```
==========================================================================
                        Internal Standard Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      9/27/2006 12:51:06 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Sample Amount          :   2.00000e-1  [ug/L]   (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==================================================================
Injection Date  : 9/28/2006 3:15:50 AM          Seq. Line :  24
Sample Name     : CCV3                           Location : Vial 1
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.129	MM	2479.68823	8.62232e-1	2.21133e-1		Perchlorate

Totals without ISTD(s) : 2.21133e-1

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.129	MM	1089.81299	2.85825	3.22169e-1		CLO4-85

Totals without ISTD(s) : 3.22169e-1

Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.120	MM +I	4.83434e4	1.00000	5.00000		CLO4-89

Totals without ISTD(s) : 0.00000

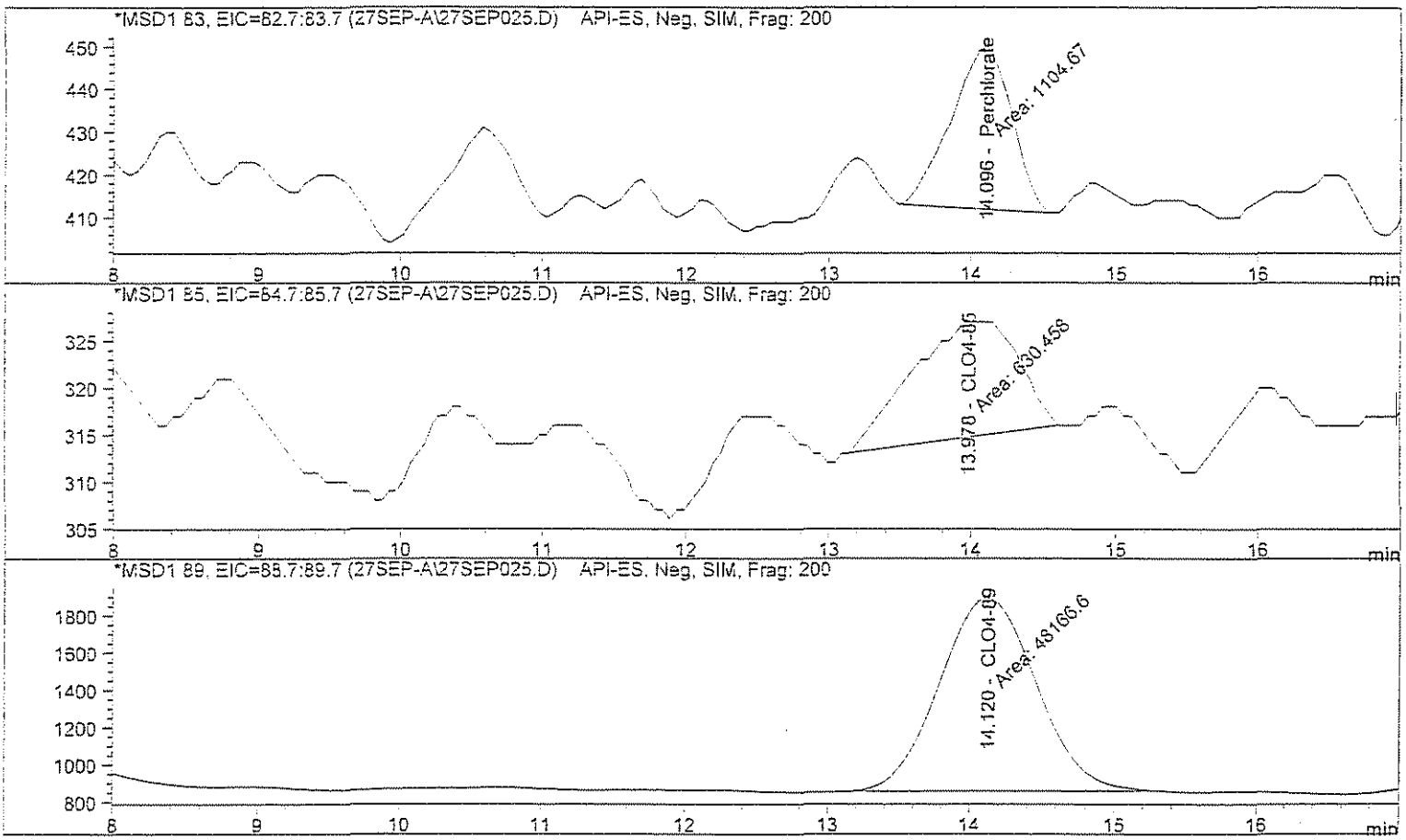
1 Warnings or Errors :

Warning : Elution order of calibrated compounds may have changed

==========

*** End of Report ***

```
Injection Date  : 9/28/2006 3:37:19 AM          Seq. Line :  25
Sample Name     : LODV3                          Location : Vial 2
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      9/27/2006 12:51:06 PM
Multiplier            :      1.0000
Dilution              :      1.0000
Sample Amount         :   1.00000e-1  [ug/L]    (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==================================================================
Injection Date  : 9/28/2006 3:37:19 AM          Seq. Line :  25
Sample Name     : LODV3                          Location : Vial 2
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.096	MM	1104.66541	7.05739e-1	8.09280e-2		Perchlorate

Totals without ISTD(s) : 8.09280e-2

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.978	MM	630.45795	2.87565	1.88199e-1		CLO4-85

Totals without ISTD(s) : 1.88199e-1

Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.120	MM +I	4.81666e4	1.00000	5.00000		CLO4-89

Totals without ISTD(s) : 0.00000

1 Warnings or Errors :

Warning : Elution order of calibrated compounds may have changed

==========

*** End of Report ***

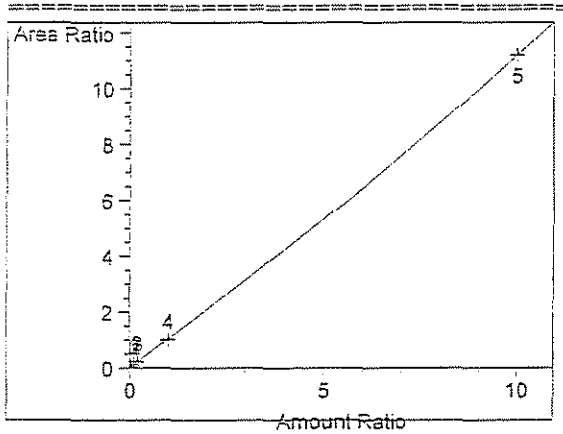
DATA CHEM LABORATORIES, INC.

Calibration

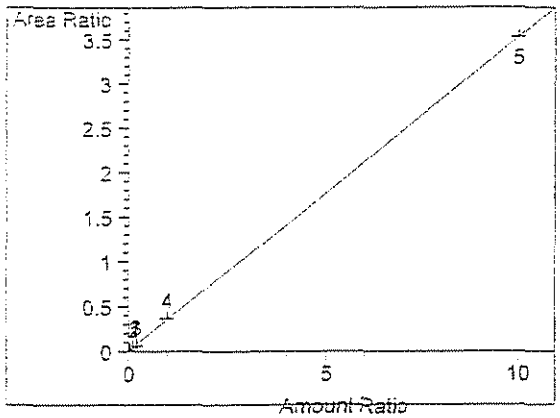
Raw Data

```
==========================================================================
                              Calibration Table
==========================================================================

Perchlorate

Calib. Data Modified  :       9/27/2006 12:51:06 PM

Calculate             :       Internal Standard
Based on              :       Peak Area

Rel. Reference Window :       5.000 %
Abs. Reference Window :       0.000 min
Rel. Non-ref. Window  :       5.000 %
Abs. Non-ref. Window  :       0.000 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks    :       not reported
Partial Calibration   :       No recalibration if peaks missing

Curve Type            :       Linear (some peaks differ, see below)
Origin                :       Ignored (some peaks differ, see below)
Weight                :       Linear (Amnt) (some peaks differ, see below)

Recalibration Settings:
Average Response      :       Average all calibrations
Average Retention Time:       Floating Average New 75%

Calibration Report Options :
    Printout of recalibrations within a sequence:
        Calibration Table after Recalibration
        Normal Report after Recalibration
    If the sequence is done with bracketing:
        Results of first cycle (ending previous bracket)

Default Sample ISTD Information (if not set in sample table):
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89

Signal 1: MSD1 83, EIC=82.7:83.7
Signal 2: MSD1 85, EIC=84.7:85.7
Signal 3: MSD1 89, EIC=88.7:89.7

RetTime   Lvl   Amount      Area     Amt/Area  Ref Grp Name
 [min] Sig      [ug/L]
-------|--|--|----------|----------|----------|---|--|---------------
 13.800  1  1 2.00000e-1 2342.16919 8.53909e-5   1     Perchlorate
            2 5.00000e-1 5464.75391 9.14954e-5
            3    1.00000 1.04937e4  9.52949e-5
            4    5.00000 4.77207e4  1.04776e-4
            5   50.00000 4.95932e5  1.00820e-4
 13.853  2  1 2.00000e-1  736.25812 2.71644e-4   1     CLO4-85
            2 5.00000e-1 1912.06531 2.61497e-4
            3    1.00000 2974.53101 3.36187e-4
            4    5.00000 1.67632e4  2.98272e-4
            5   50.00000 1.56269e5  3.19960e-4
 13.905  3  1    5.00000 5.06214e4  9.87725e-5 -I1     CLO4-89
            2    5.00000 5.04865e4  9.90363e-5
            3    5.00000 4.93621e4  1.01292e-4
            4    5.00000 4.65791e4  1.07344e-4
            5    5.00000 4.43390e4  1.12758e-4

More compound-specific settings:

Compound: Perchlorate
  Amount Limits          : Low 8.00000e-2  High   60.00000
  Time Window            : From 4.800 min To 20.800 min
```

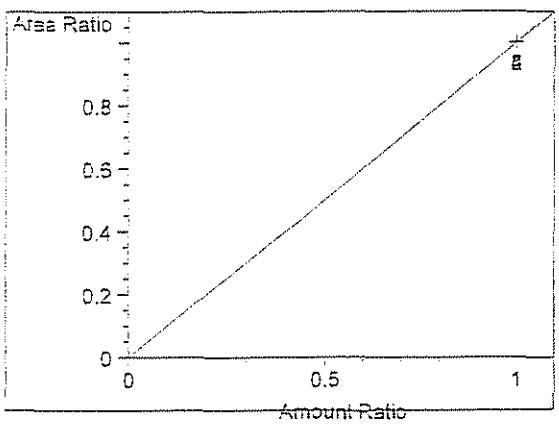
```
    Curve Type                  : Quadratic
    Origin                      : Ignored
    Calibration Level Weights:/
      Level 1                   : 1
      Level 2                   : 0.4
      Level 3                   : 0.2
      Level 4                   : 0.04
      Level 5                   : 0.004

  Compound: CLO4-85
    Time Window                 : From 4.853 min To 20.853 min
    Curve Type                  : Quadratic
    Origin                      : Ignored
    Calibration Level Weights:/
      Level 1                   : 1
      Level 2                   : 0.4
      Level 3                   : 0.2
      Level 4                   : 0.04
      Level 5                   : 0.004

  Compound: CLO4-89
    Time Window                 : From 4.905 min To 20.905 min
    Curve Type                  : Linear
    Origin                      : Included
    Calibration Level Weights:/
      Level 1                   : 1
      Level 2                   : 1
      Level 3                   : 1
      Level 4                   : 1
      Level 5                   : 1
==============================================================================
                              Peak Sum Table
==============================================================================

***No Entries in table***
==============================================================================
==============================================================================
                            Calibration Curves
==============================================================================
```




```
Perchlorate at exp. RT: 13.800
MSD1 83, EIC=82.7:83.7
Correlation:            1.00000
Residual Std. Dev.:     0.00287
Formula: y = ax² + bx + c
      a:       1.07127e-2
      b:       1.01069
      c:       6.57283e-3
      x: Amount Ratio
      y: Area Ratio
Calibration Level Weights:
    Level 1     : 1
    Level 2     : 0.4
    Level 3     : 0.2
    Level 4     : 0.04
    Level 5     : 0.004
```



CLO4-85 at exp. RT: 13.853
MSD1 85, EIC=84.7:85.7
Correlation: 0.99976
Residual Std. Dev.: 0.00738
Formula: $y = ax^2 + bx + c$
a: -3.26139e-5
b: 3.52843e-1
c: -1.91785e-4
x: Amount Ratio
y: Area Ratio
Calibration Level Weights:
Level 1 : 1
Level 2 : 0.4
Level 3 : 0.2
Level 4 : 0.04
Level 5 : 0.004



CLO4-89 at exp. RT: 13.905
MSD1 89, EIC=88.7:89.7
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio
Calibration Level Weights:
Level 1 : 1
Level 2 : 1
Level 3 : 1
Level 4 : 1
Level 5 : 1

==========

Batch Review Method:
C:\HPCHEM\1\METHODS\CLO4-DOD.M

['#' ==> Run has not been reprocessed with Batch Review Method
'*' ==> Run has been saved with batch file]

#*	DataFile	Sample	Location	Dil	Perchlorate RT	Perchlorate Area	Perchlorate Amount
*	27SEP002.D	$50	Vial 92	1e0	14.280	4.95932e5	50.00113
*	27SEP003.D	$5	Vial 93	1e0	13.891	4.77207e4	4.98320
*	27SEP004.D	$1	Vial 94	1e0	13.836	1.04937e4	1.01698
*	27SEP005.D	$0.5	Vial 95	1e0	13.853	5464.75391	5.02433e-1
*	27SEP006.D	$0.2	Vial 96	1e0	13.978	2342.16919	1.96297e-1
*	27SEP007.D	ICV	Vial 97	1e0	13.905	1.05482e5	10.07372

#*	DataFile	Sample	Location	Dil	CLO4-85 RT	CLO4-85 Area	CLO4-85 Amount
*	27SEP002.D	$50	Vial 92	1e0	14.298	1.56269e5	49.99212
*	27SEP003.D	$5	Vial 93	1e0	13.906	1.67632e4	5.10301
*	27SEP004.D	$1	Vial 94	1e0	13.861	2974.53101	8.56643e-1
*	27SEP005.D	$0.5	Vial 95	1e0	14.029	1912.06531	5.39403e-1
*	27SEP006.D	$0.2	Vial 96	1e0	13.853	736.25812	2.08821e-1
*	27SEP007.D	ICV	Vial 97	1e0	13.919	3.60737e4	10.11545

#*	DataFile	Sample	Location	Dil	CLO4-89 RT	CLO4-89 Area	CLO4-89 Amount
*	27SEP002.D	$50	Vial 92	1e0	14.299	4.43390e4	5.00000
*	27SEP003.D	$5	Vial 93	1e0	13.905	4.65791e4	5.00000
*	27SEP004.D	$1	Vial 94	1e0	13.864	4.93621e4	5.00000
*	27SEP005.D	$0.5	Vial 95	1e0	13.906	5.04865e4	5.00000
*	27SEP006.D	$0.2	Vial 96	1e0	13.905	5.06214e4	5.00000
*	27SEP007.D	ICV	Vial 97	1e0	13.915	5.05582e4	5.00000

*** End of Report ***

Sequence Table:

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 91	MCV	CLO4SCAN	1	Sample		27SEP001
2	Vial 92	S50	CLO4-ON	1	Sample		27SEP002
3	Vial 93	S5	CLO4-ON	1	Sample		27SEP003
4	Vial 94	S1	CLO4-ON	1	Sample		27SEP004
5	Vial 95	S0.5	CLO4-ON	1	Sample		27SEP005
6	Vial 96	S0.2	CLO4-ON	1	Sample		27SEP006
7	Vial 97	ICV	CLO4-ON	1	Sample		27SEP007

DATA CHEM LABORATORIES
A Sorenson Company

Mass Calibration Verification Form

Initial Calibration Date: 09/27/06

Sample Name: MCV

Instrument ID: LCMS02

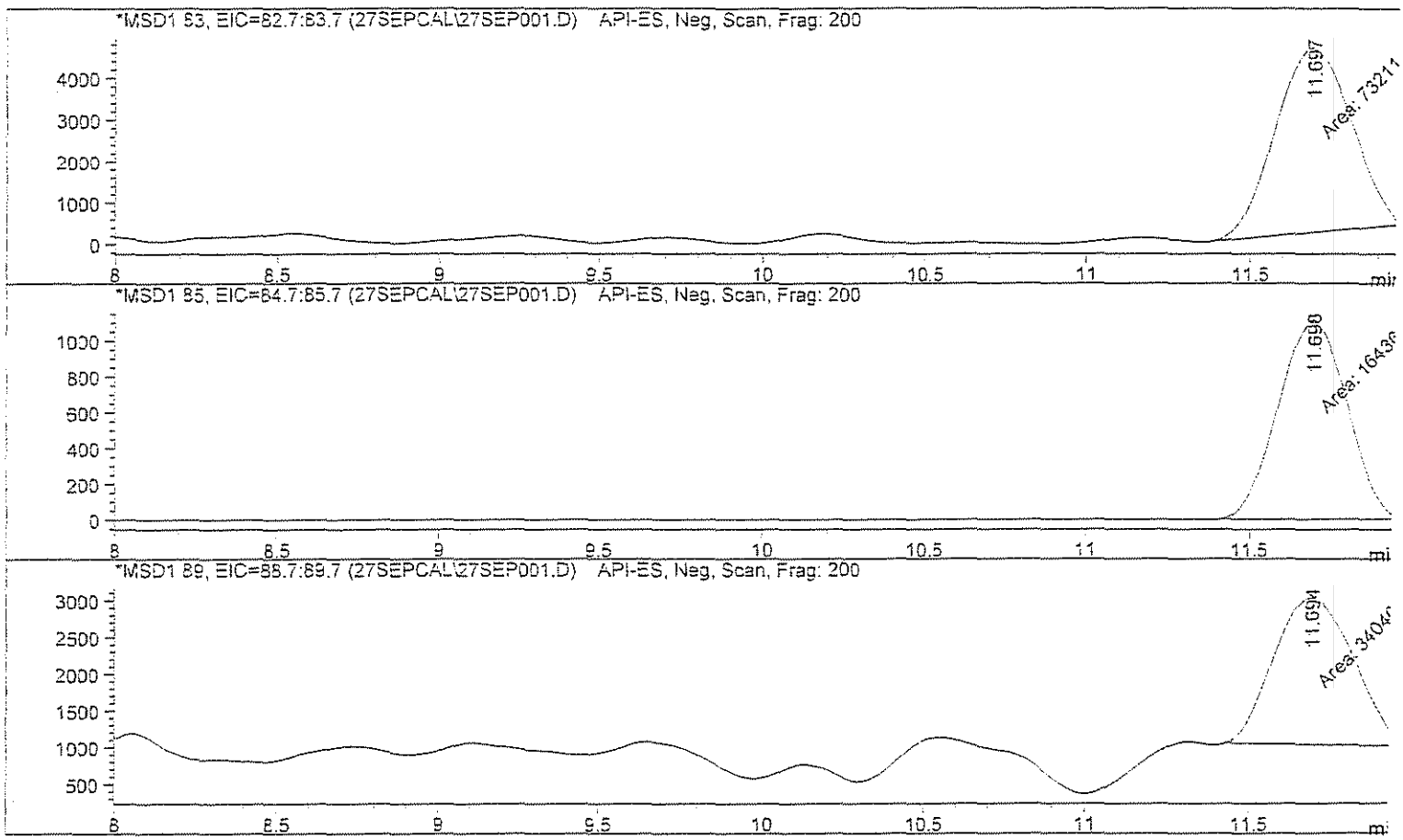
Date and Time Analyzed: 09/27/2006 10:17

Target Compound	Target m/z	Observed m/z	Difference	Pass/Fail
$^{35}Cl^{16}O_3$	83.0	83.1	0.1	Pass
$^{37}Cl^{16}O_3$	85.0	85.0	0.0	Pass
$^{35}Cl^{18}O_3$	89.0	89.0	0.0	Pass

Control limit = ± 0.3

Comment: None.

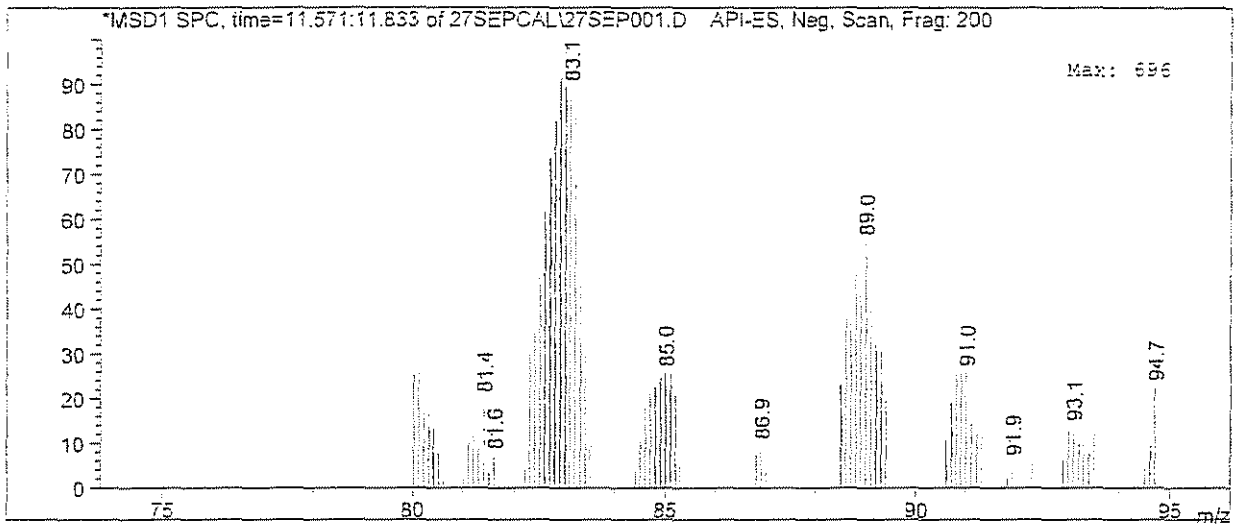
```
==================================================================
Injection Date  : 9/27/2006 10:17:47 AM          Seq. Line :   1
Sample Name     : MCV                             Location : Vial 91
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Method          : C:\HPCHEM\1\METHODS\CLO4SCAN.M
Last changed    : 9/26/2006 12:14:39 PM by TTM
Test for perchlorate.
==================================================================
```



```
==================================================================
Injection Date  : 9/27/2006 10:17:47 AM          Seq. Line :   1
Sample Name     : MCV                             Location : Vial 91
Acq. Operator   : TTM                                  Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Method          : C:\HPCHEM\1\METHODS\CLO4SCAN.M
Last changed    : 9/26/2006 12:14:39 PM by TTM
Test for perchlorate.
==================================================================
```

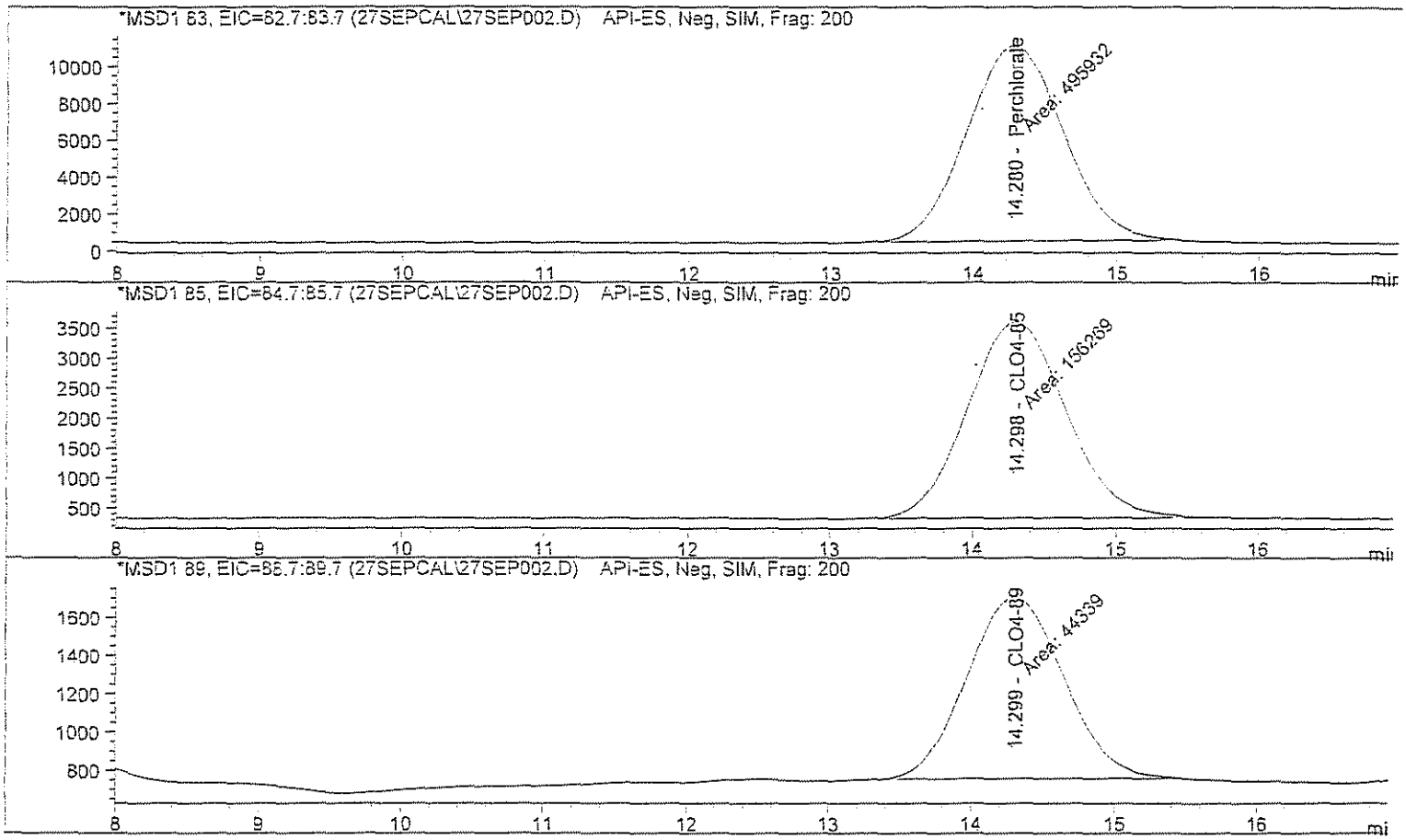
MS Signal: MSD1 83, EIC=82.7:83.7, API-ES, Neg, Scan, Frag: 200
Spectra averaged over upper half of peaks.
Noise Cutoff: 1000 counts.
Reportable Ion Abundance: > 10%.

Retention Time (MS)	MS Area	Mol. Weight or Ion
11.697	73212	



*** End of Report ***

```
Injection Date  : 9/27/2006 10:31:33 AM          Seq. Line :   2
Sample Name     : S50                             Location : Vial 92
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```




```
                    Internal Standard Report

Sorted By             :      Signal
Calib. Data Modified  :      9/27/2006 12:51:06 PM
Multiplier            :      1.0000
Dilution              :      1.0000
Sample Amount         :     50.00000  [ug/L]   (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
Injection Date  : 9/27/2006 10:31:33 AM          Seq. Line :   2
Sample Name     : S50                             Location : Vial 92
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.280	MM	4.95932e5	8.94074e-1	50.00113		Perchlorate

Totals without ISTD(s) : 50.00113

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.298	MM	1.56269e5	2.83689	49.99212		CLO4-85

Totals without ISTD(s) : 49.99212

Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

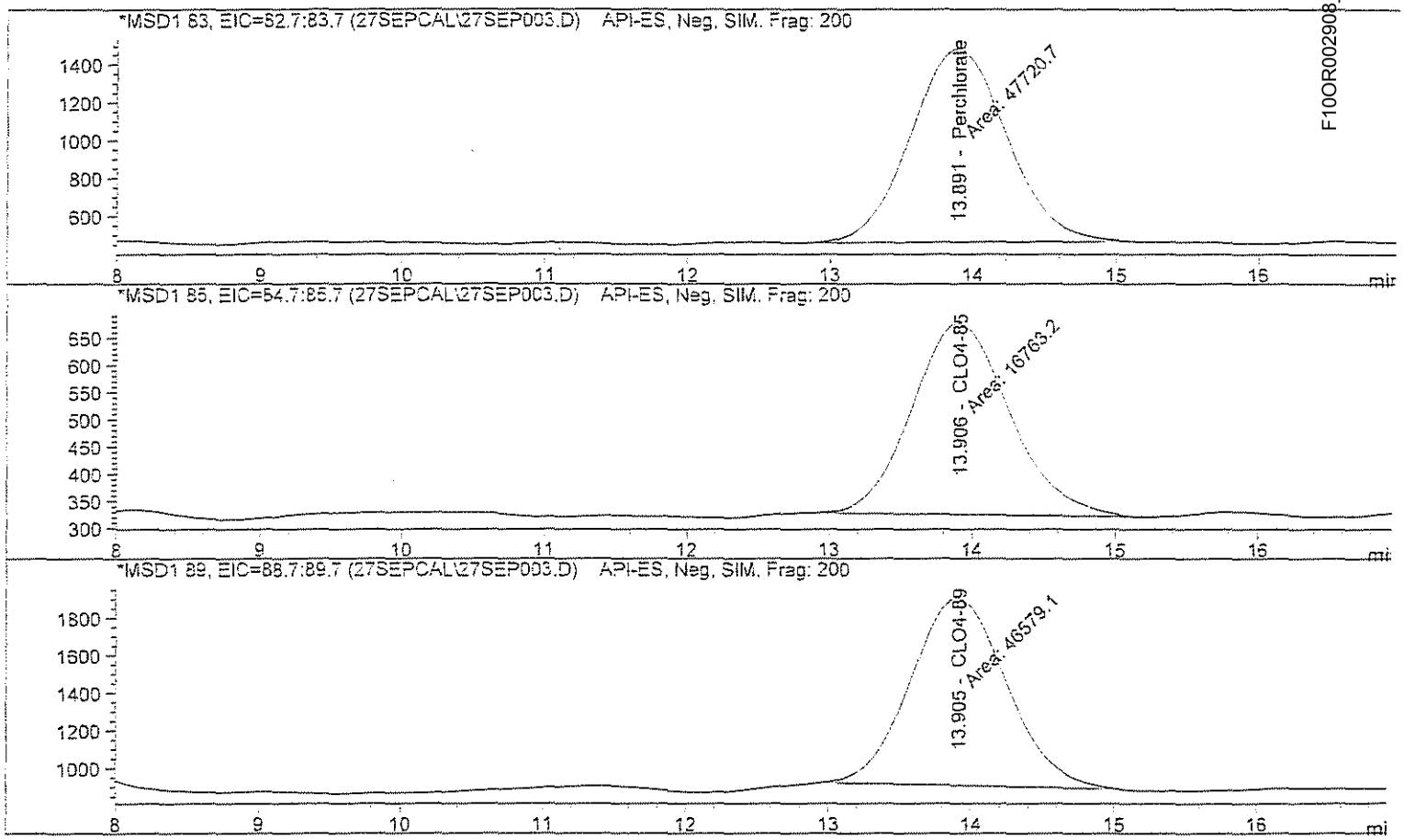
RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.299	MM +I	4.43390e4	1.00000	5.00000		CLO4-89

Totals without ISTD(s) : 0.00000

*** End of Report ***

```
Injection Date  : 9/27/2006 10:53:03 AM          Seq. Line :   3
Sample Name     : S5                              Location : Vial 93
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```

200-1e
F10OR002908_01.09_0508_a



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      9/27/2006 12:51:06 PM
Multiplier            :      1.0000
Dilution              :      1.0000
Sample Amount         :      5.00000  [ug/L]   (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #      [ug/L]
----|-------------|------------------------
  1      5.00000   CLO4-89
```

```
==================================================================
Injection Date  : 9/27/2006 10:53:03 AM          Seq. Line :   3
Sample Name     : S5                              Location : Vial 93
Acq. Operator   : TTM                                  Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.891	MM	4.77207e4	9.72799e-1	4.98320		Perchlorate

Totals without ISTD(s) : 4.98320

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.906	MM	1.67632e4	2.83590	5.10301		CLO4-85

Totals without ISTD(s) : 5.10301

Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.905	MM +I	4.65791e4	1.00000	5.00000		CLO4-89

Totals without ISTD(s) : 0.00000

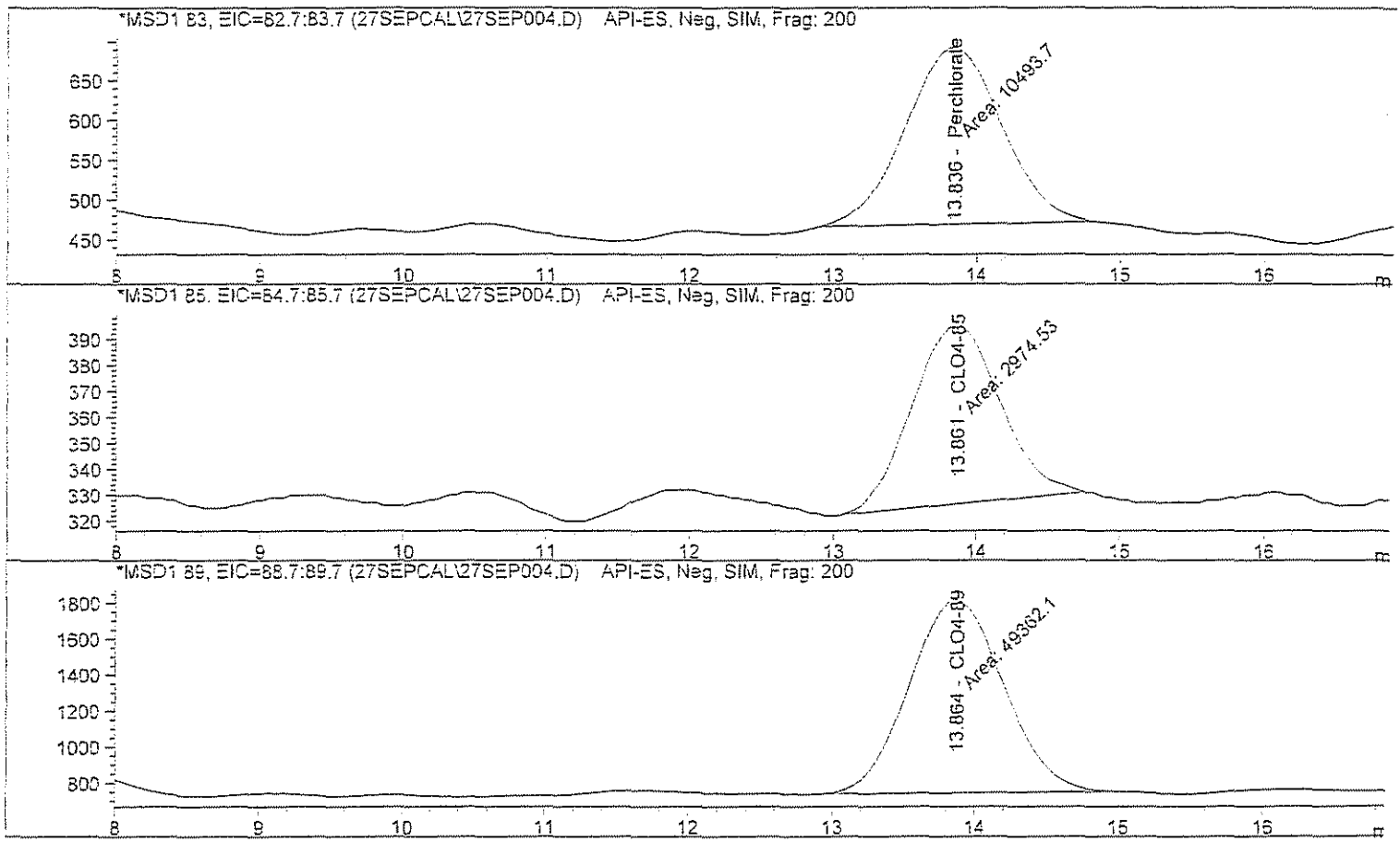
1 Warnings or Errors :

Warning : Elution order of calibrated compounds may have changed

==========

*** End of Report ***

```
Injection Date  : 9/27/2006 11:14:33 AM          Seq. Line :   4
Sample Name     : S1                             Location : Vial 94
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```



Internal Standard Report

```
Sorted By              :      Signal
Calib. Data Modified   :      9/27/2006 12:51:06 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Sample Amount          :      1.00000  [ug/L]    (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #      [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==================================================================
Injection Date  : 9/27/2006 11:14:33 AM          Seq. Line :   4
Sample Name     : $1                              Location : Vial 94
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.836	MM	1.04937e4	9.56770e-1	1.01698		Perchlorate

Totals without ISTD(s) : 1.01698

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.861	MM	2974.53101	2.84318	8.56643e-1		CLO4-85

Totals without ISTD(s) : 8.56643e-1

Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

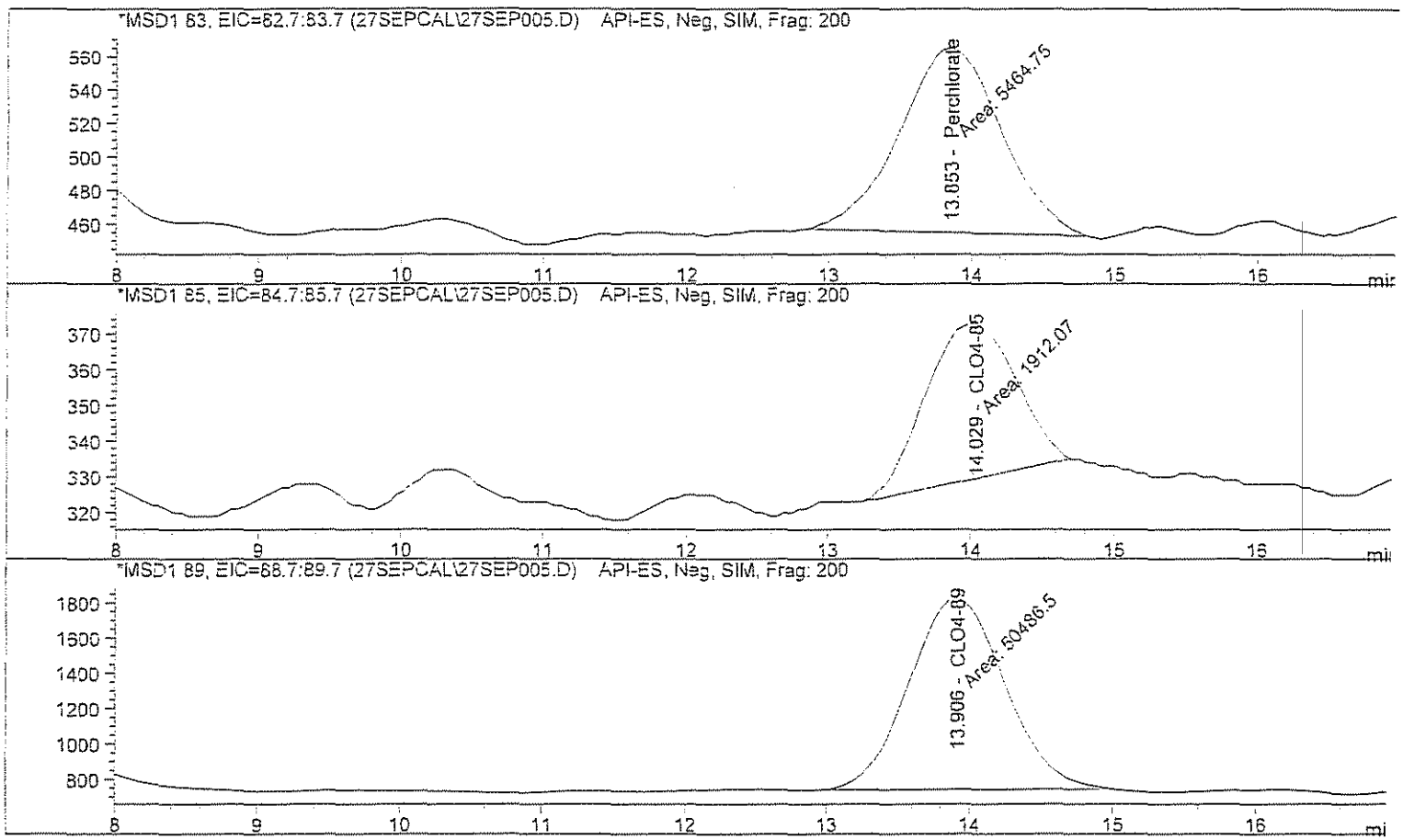
RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.864	MM +I	4.93621e4	1.00000	5.00000		CLO4-89

Totals without ISTD(s) : 0.00000

==========

*** End of Report ***

```
Injection Date  : 9/27/2006 11:36:07 AM          Seq. Line :   5
Sample Name     : S0.5                            Location : Vial 95
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```

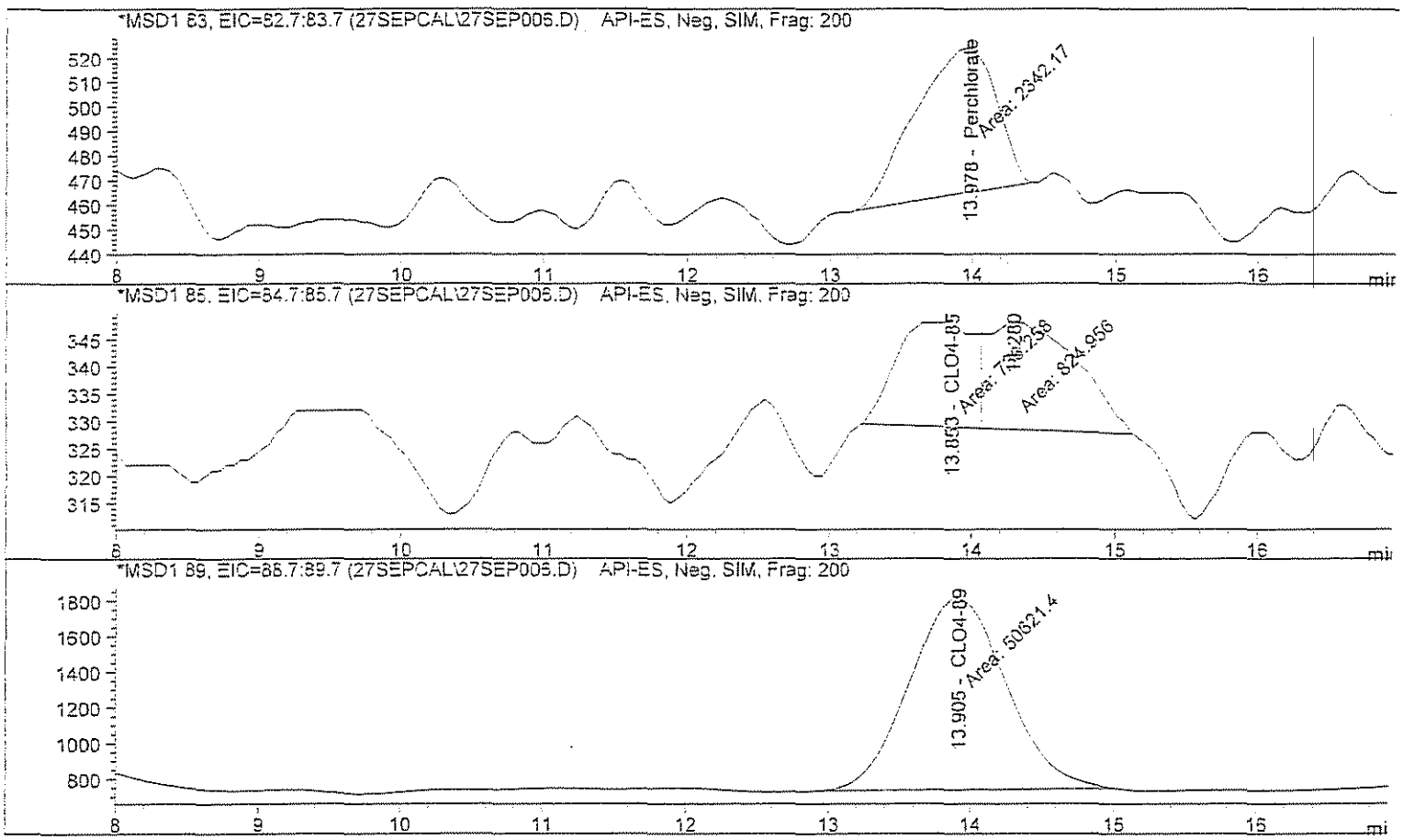


Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      9/27/2006 12:51:06 PM
Multiplier            :      1.0000
Dilution              :      1.0000
Sample Amount         :   5.00000e-1  [ug/L]    (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #      [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==========================================================================
Injection Date  : 9/27/2006 11:36:07 AM          Seq. Line :   5
Sample Name     : $0.5                            Location : Vial 95
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==========================================================================


          Signal 1: MSD1 83, EIC=82.7:83.7
           Signal has been modified after loading from rawdata file!

          RetTime  Type     Area      Amt/Area    Amount   Grp   Name
           [min]                       ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           13.853 MM     5464.75391 9.28353e-1 5.02433e-1    Perchlorate

          Totals without ISTD(s) :             5.02433e-1


          Signal 2: MSD1 85, EIC=84.7:85.7
           Signal has been modified after loading from rawdata file!

          RetTime  Type     Area      Amt/Area    Amount   Grp   Name
           [min]                       ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           14.029 MM     1912.06531    2.84850 5.39403e-1    CLO4-85

          Totals without ISTD(s) :             5.39403e-1


          Signal 3: MSD1 89, EIC=88.7:89.7
           Signal has been modified after loading from rawdata file!

          RetTime  Type     Area      Amt/Area    Amount   Grp   Name
           [min]                       ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           13.906 MM  +I 5.04865e4     1.00000    5.00000    CLO4-89

          Totals without ISTD(s) :                0.00000


          1 Warnings or Errors :

          Warning : Elution order of calibrated compounds may have changed

          ==========================================================================
                                   *** End of Report ***
```

```
Injection Date  : 9/27/2006 11:57:39 AM          Seq. Line :   6
Sample Name     : S0.2                            Location : Vial 96
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```




```
                    Internal Standard Report

Sorted By             :      Signal
Calib. Data Modified  :      9/27/2006 12:51:06 PM
Multiplier            :      1.0000
Dilution              :      1.0000
Sample Amount         :   2.00000e-1  [ug/L]   (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==================================================================
Injection Date  : 9/27/2006 11:57:39 AM          Seq. Line :   6
Sample Name     : S0.2                            Location : Vial 96
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.978	MM	2342.16919	9.48514e-1	1.96297e-1		Perchlorate

Totals without ISTD(s) : 1.96297e-1

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.853	MF	736.25812	2.87150	2.08821e-1		CLO4-85

Totals without ISTD(s) : 2.08821e-1

Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.905	MM -I	5.06214e4	1.00000	5.00000		CLO4-89

Totals without ISTD(s) : 0.00000

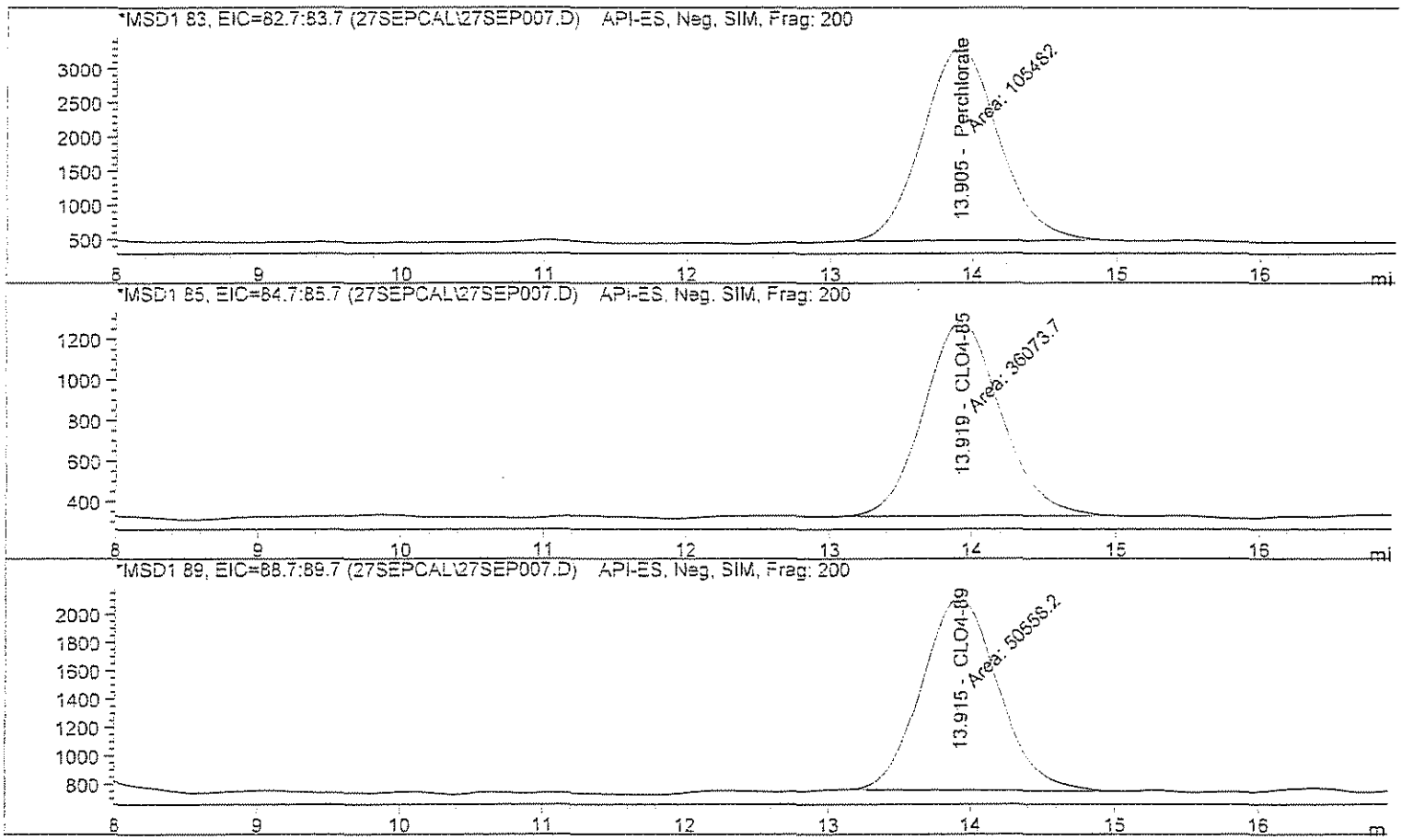
1 Warnings or Errors :

Warning : Elution order of calibrated compounds may have changed

==========

*** End of Report ***

```
Injection Date  : 9/27/2006 12:19:09 PM          Seq. Line :   7
Sample Name     : ICV                             Location : Vial 97
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```



Internal Standard Report

```
Sorted By              :      Signal
Calib. Data Modified   :      9/27/2006 12:51:06 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Sample Amount          :     10.00000  [ug/L]    (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #      [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==========================================================================
Injection Date  : 9/27/2006 12:19:09 PM          Seq. Line :   7
Sample Name     : ICV                             Location : Vial 97
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 9/27/2006 12:51:08 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==========================================================================


Signal 1: MSD1 83, EIC=82.7:83.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 13.905 MM     1.05482e5  9.65684e-1   10.07372    Perchlorate

Totals without ISTD(s) :                10.07372


Signal 2: MSD1 85, EIC=84.7:85.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 13.919 MM     3.60737e4     2.83541   10.11545    CLO4-85

Totals without ISTD(s) :                10.11545


Signal 3: MSD1 89, EIC=88.7:89.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 13.915 MM  +I 5.05582e4     1.00000    5.00000    CLO4-89

Totals without ISTD(s) :                 0.00000


1 Warnings or Errors :

Warning : Elution order of calibrated compounds may have changed

==========================================================================
                          *** End of Report ***
```

LOW IMPACT EXPLOSIVES AND PROPELLANTS

GPL Laboratories

A. QC Summary

1. Surrogate Percent Recovery Summary
2. Matrix Spike/Matrix Spike Duplicate Summary
3. Laboratory Control Standard Summary (where applicable)
4. Method Blank Summary

GPL Laboratories

Surrogate Recovery Summary

Matrix : WATER **Analytical Method : SW8330A** **SDG No : 609093**

Surrogate	NO2ANIL4
Lower QC Limits	37
Upper QC Limits	149
Sample ID	
BKS93852	80
BKSD93852	85
BLK93852	100
NWO-017-3009	75
NWO-017-3010	76

* Value outside of QC Limts

NO2ANIL4 = 4-Nitroaniline

GPL Laboratories

BKS/BSD RECOVERY

SAMPLE NO
BKSD93852

Lab Name : GPL Laboratories SDG NO : 609093 Method : SW8330A

Lab Code : GPL Lab Sample ID : BKSD93852 Matrix : WATER Analysis Date : 09/28/2006

Compound	Spike Added (ug/L)	CONCENTRATION (ug/L) BLANK	BKS	BSD	%RECOVERY BKS	BSD	% RPD	RPD Limit	QC Limits
1,3,5-Trinitrobenzene	5	0.0	3.1	3.1	62 *	60 *	3	25	65-140
1,3-Dinitrobenzene	5	0.0	3.5	3.4	70	68	3	25	45-160
2,4,6-Trinitrotoluene	5	0.0	3.5	3.4	70	68	3	25	50-145
2,4-Dinitrotoluene	5	0.0	3.4	3.2	68	64	6	25	60-135
2,6-Dinitrotoluene	5	0.0	3.5	3.4	70	68	3	25	60-135
2-Amino-4,6-Dinitrotoluene	5	0.0	3.4	3.3	68	66	3	25	50-155
4-Amino-2,6-Dinitrotoluene	5	0.0	3.2	3.1	64	62	3	25	55-155
HMX	5	0.0	3.5	3.4	70 *	68 *	3	25	80-115
Nitrobenzene	5	0.0	3.3	3.2	66	64	3	25	50-140
RDX	5	0.0	3.4	3.3	68	66	3	25	50-160
Tetryl	5	0.0	3.2	3.2	64	62	3	25	20-175
m-Nitrotoluene	5	0.0	3.5	3.6	68	72	6	25	50-130
o-Nitrotoluene	5	0.0	3.5	3.4	70	68	3	25	45-135
p-Nitrotoluene	5	0.0	3.4	3.4	68	68	0	25	50-130

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 0 Out of 14 Outside Limit
Spike Recovery : 4 Out of 28 outside limit

GPL Laboratories

BKS/BSD RECOVERY

SAMPLE NO
BKSD93854

Lab Name : GPL Laboratories SDG NO : 609093 Method : SW8330

Lab Code : GPL Lab Sample ID : BKSD93854 Matrix : WATER Analysis Date : 09/28/2006

Compound	Spike Added (ug/L)	CONCENTRATION (ug/L)			%RECOVERY		% RPD	RPD Limit	QC Limits
		BLANK	BKS	BSD	BKS	BSD			
Nitroglycerine	100	0.0	81	85	81	85	5	25	50-150

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 0 Out of 1 Outside Limit
Spike Recovery : 0 Out of 2 outside limit

GPL Laboratories

GPL
FORM 4
EXPLOSIVE METHOD BLANK SUMMARY

SAMPLE NO
BLK93852

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	93852
Lab File ID :	LCD33030.D	SDG NO :	609093
Date Analyzed	09/28/2006	Lab Sample ID :	BLK93852
Date Extracted :	09/20/2006	Time Analyzed :	05:46
Matrix :(Soil/Water).	WATER	Level :(Low/Med)	

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES,MS AND MSD :

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed
BKS93852	BKS93852	LCD33031.D	09/28/2006
BKSD93852	BKSD93852	LCD33032.D	09/28/2006
NWO-017-3010	609093-002-009-1/2	LCD33039.D	09/28/2006
NWO-017-3009	609093-004-011-1/2	LCD33040.D	09/28/2006

GPL Laboratories

GPL
FORM 4
EXPLOSIVE METHOD BLANK SUMMARY

SAMPLE NO
BLK93854

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	93854
Lab File ID :	LCD33030.D	SDG NO :	609093
Date Analyzed	09/28/2006	Lab Sample ID :	BLK93854
Date Extracted :	09/20/2006	Time Analyzed :	05:46
Matrix :(Soil/Water).	WATER	Level :(Low/Med)	

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES,MS AND MSD :

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed
BKS93854	BKS93854	LCD33033.D	09/28/2006
BKSD93854	BKSD93854	LCD33034.D	09/28/2006
NWO-017-3010	609093-002-009-1/2	LCD33039.D	09/28/2006
NWO-017-3009	609093-004-011-1/2	LCD33040.D	09/28/2006

B. Sample Data

1. TCL Results
2. Chromatographs from Primary and Confirmatory Analyses
3. Integration Report for Primary and Confirmatory Analyses

GPL Laboratories

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3010

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609093-002-009-1/2
Sample Volume :	950	Lab File ID :	LCD33039.D
% Moisture:		Date Received	09/16/2006
Extraction:	SW3535	Date Extracted:	09/20/2006
Extract Volume:	20 mL	Date Analyzed	09/28/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.21	U
99-65-0	1,3-Dinitrobenzene	0.21	U
118-96-7	2,4,6-Trinitrotoluene	0.21	U
121-14-2	2,4-Dinitrotoluene	0.21	U
606-20-2	2,6-Dinitrotoluene	0.21	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.21	U
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.21	U
2691-41-0	HMX	0.42	U
98-95-3	Nitrobenzene	0.21	U
121-82-4	RDX	0.42	U
479-45-8	Tetryl	0.42	U
99-08-1	m-Nitrotoluene	0.42	U
88-72-2	o-Nitrotoluene	0.42	U
99-99-0	p-Nitrotoluene	0.42	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3010

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609093-002-009-1/2
Sample Volume :	950	Lab File ID :	LCD33039.D
% Moisture:		Date Received	09/16/2006
Extraction:	EXT_SW8330	Date Extracted:	09/20/2006
Extract Volume:	20 mL	Date Analyzed	09/28/2006
Injection Volume :	100 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	21	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\092506\LCD33039.D Vial: 21
Acq On : 28 Sep 2006 14:38 Operator: AG
Sample : 609093-002-009-1/2 Inst : LCD
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 30 12:26 2006 Quant Results File: 6624833.RES

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Wed Jul 19 10:02:46 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

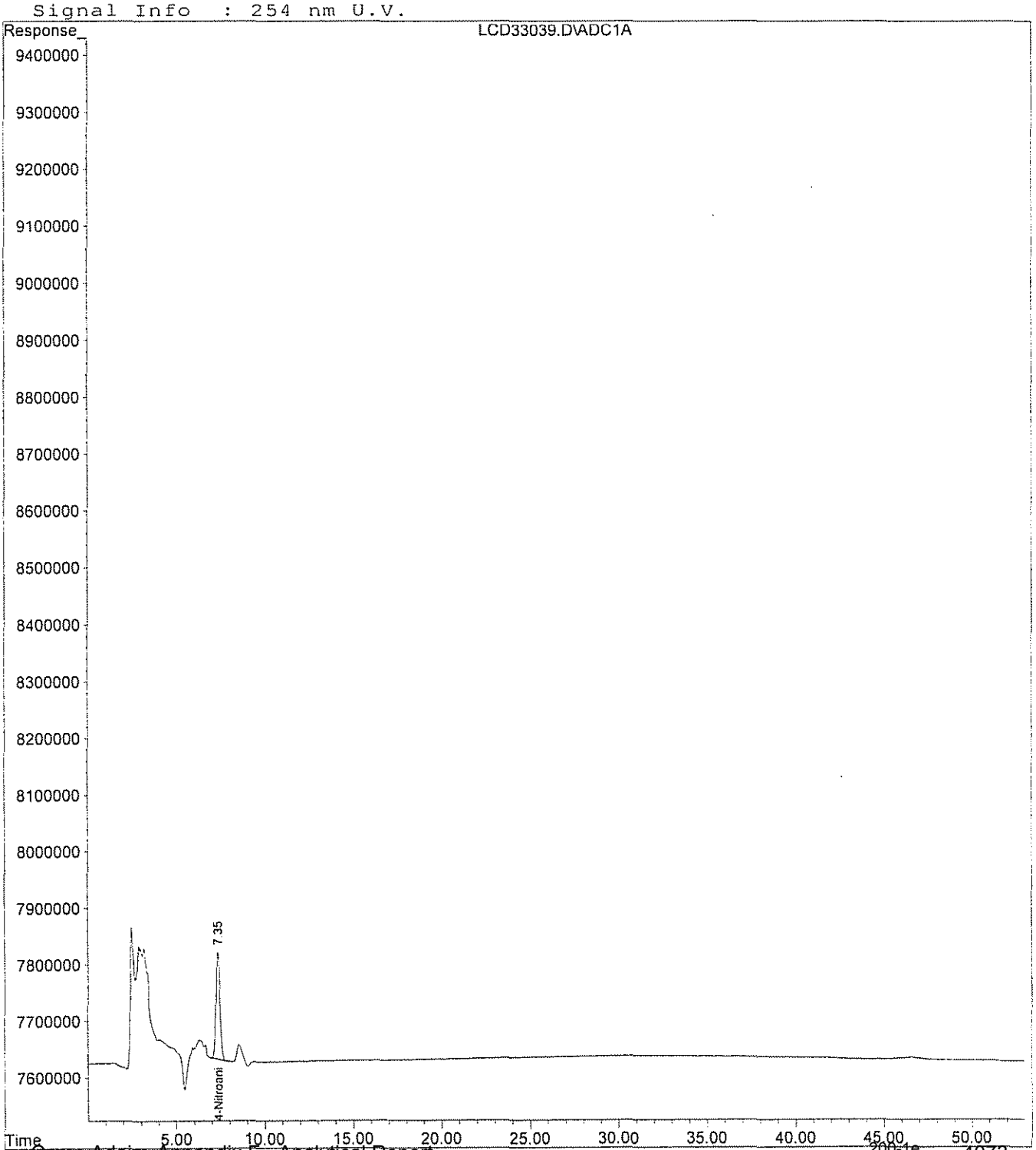
		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.35	30685662	229.406	ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 76.47%						
Target Compounds						
1)	T	HMX	0.00	0	N.D.	ng/ml
3)	T	1,3,5-Trinitrobenzene	0.00	0	N.D.	ng/ml
4)	T	Tetryl	0.00	0	N.D.	ng/ml
5)	T	2,4,6-Trinitrotoluene	0.00	0	N.D.	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	0.00	0	N.D.	ng/ml
7)	T	2,6-Dinitrotoluene	0.00	0	N.D.	ng/ml
8)	T	4-Nitrotoluene	0.00	0	N.D.	ng/ml
9)	M	RDX	0.00	0	N.D.	ng/ml
10)	M	1,3-Dinitrobenzene	0.00	0	N.D.	ng/ml
11)	M	Nitrobenzene	0.00	0	N.D.	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	0.00	0	N.D.	ng/ml
13)	M	2,4-Dinitrotoluene	0.00	0	N.D.	ng/ml
14)	M	2-Nitrotoluene	0.00	0	N.D.	ng/ml
15)	M	3-Nitrotoluene	0.00	0	N.D.	ng/ml

Quantitation Report

Data File : H:\LCDATA\LCD\092506\LCD33039.D Vial: 21
Acq On : 28 Sep 2006 14:38 Operator: AG
Sample : 609093-002-009-1/2 Inst : LCD
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 30 12:26 2006 Quant Results File: 6624833.RES

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Wed Jul 19 10:02:46 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\092506\0925NG\LCD33039.D Vial: 21
Acq On : 28 Sep 2006 14:38 Operator: AG
Sample : 609093-002-009-1/2 Inst : LCD
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 30 12:39 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 4-NITROANILINE	7.35	30747789	218.051	PPB
Spiked Amount 300.000		Recovery =	72.68%	
Target Compounds				
2) M NITROGLYCERINE	0.00	0	N.D.	PPM

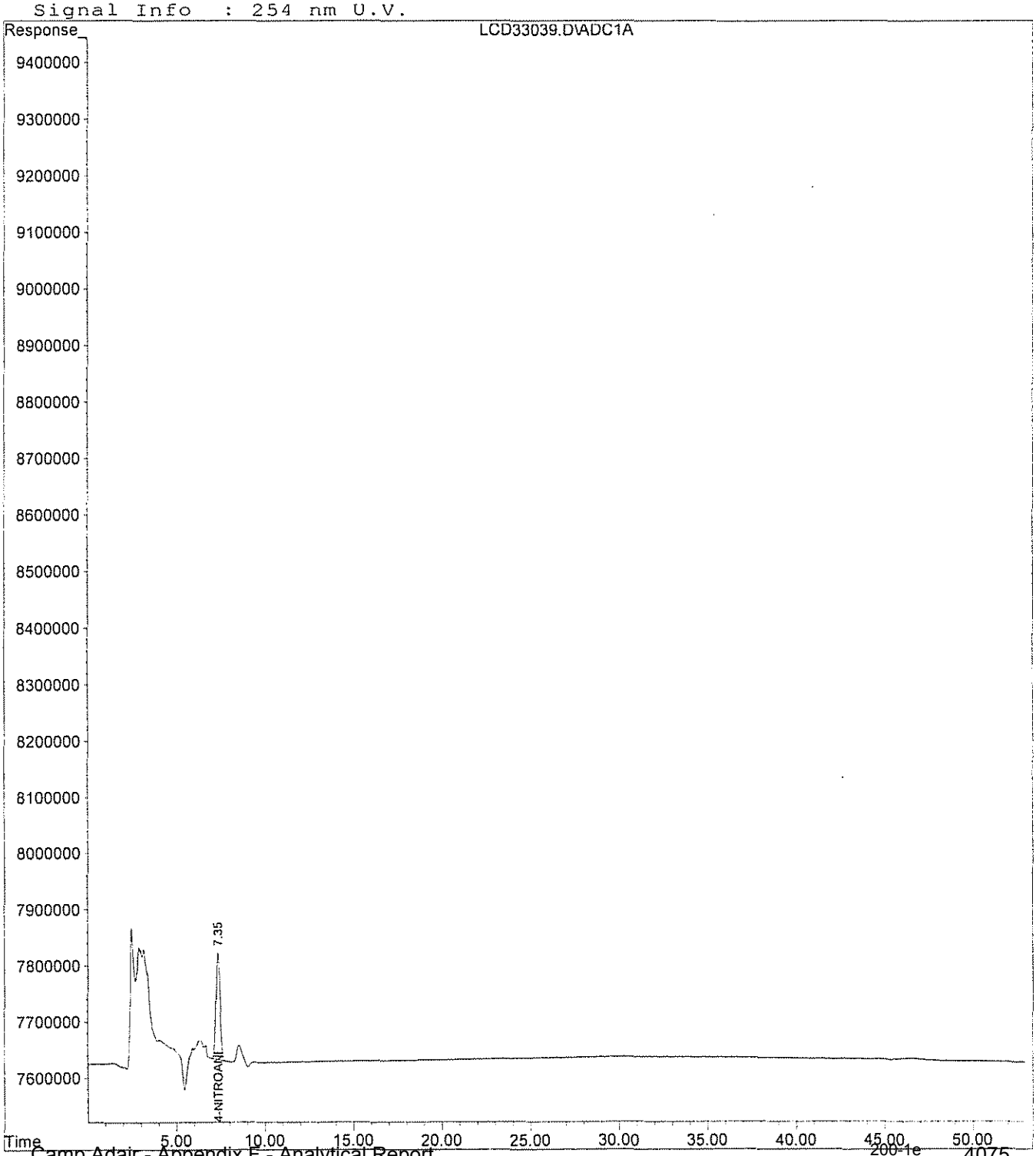
(f)=RT Delta > 1/2 Window (m)=manual int.
LCD33039.D 6818NGPT.M Sat Sep 30 12:43:00 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCD\092506\0925NG\LCD33039.D Vial: 21
Acq On : 28 Sep 2006 14:38 Operator: AG
Sample : 609093-002-009-1/2 Inst : LCD
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 30 12:39 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3009

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609093-004-011-1/2
Sample Volume :	970	Lab File ID :	LCD33040.D
% Moisture:		Date Received	09/16/2006
Extraction:	SW3535	Date Extracted:	09/20/2006
Extract Volume:	20 mL	Date Analyzed	09/28/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.21	U
99-65-0	1,3-Dinitrobenzene	0.21	U
118-96-7	2,4,6-Trinitrotoluene	0.21	U
121-14-2	2,4-Dinitrotoluene	0.21	U
606-20-2	2,6-Dinitrotoluene	0.21	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.21	U
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.21	U
2691-41-0	HMX	0.41	U
98-95-3	Nitrobenzene	0.21	U
121-82-4	RDX	0.41	U
479-45-8	Tetryl	0.41	U
99-08-1	m-Nitrotoluene	0.41	U
88-72-2	o-Nitrotoluene	0.41	U
99-99-0	p-Nitrotoluene	0.41	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3009

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609093-004-011-1/2
Sample Volume :	970	Lab File ID :	LCD33040.D
% Moisture:		Date Received	09/16/2006
Extraction:	EXT_SW8330	Date Extracted:	09/20/2006
Extract Volume:	20 mL	Date Analyzed	09/28/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	21	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\092506\LCD33040.D Vial: 22
Acq On : 28 Sep 2006 15:35 Operator: AG
Sample : 609093-004-011-1/2 Inst : LCD
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 30 12:26 2006 Quant Results File: 6624833.RES

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Wed Jul 19 10:02:46 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

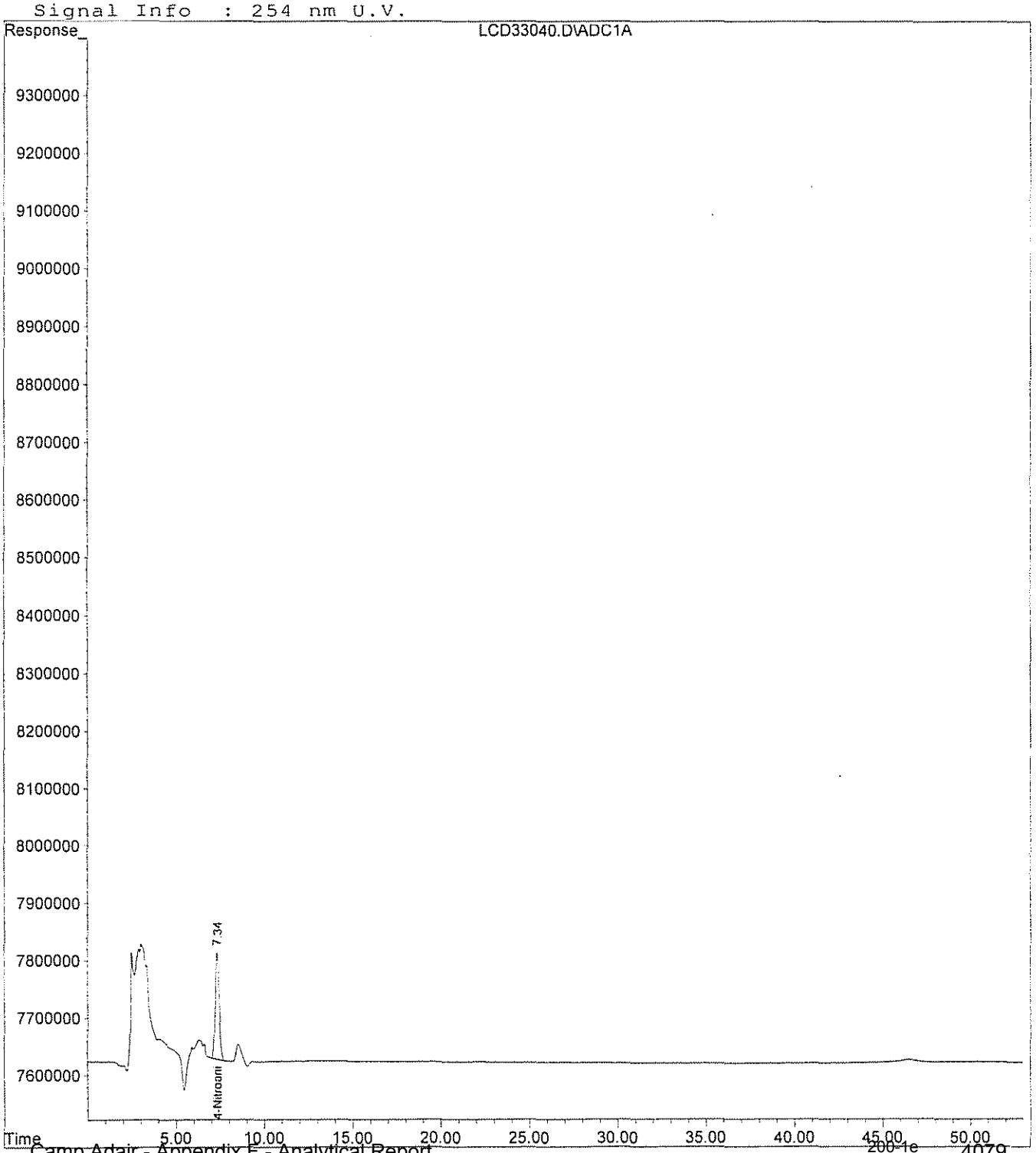
		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.34	30115791	225.145	ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 75.05%						
Target Compounds						
1)	T	HMX	0.00	0	N.D.	ng/ml
3)	T	1,3,5-Trinitrobenzene	0.00	0	N.D.	ng/ml
4)	T	Tetryl	0.00	0	N.D.	ng/ml
5)	T	2,4,6-Trinitrotoluene	0.00	0	N.D.	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	0.00	0	N.D.	ng/ml
7)	T	2,6-Dinitrotoluene	0.00	0	N.D.	ng/ml
8)	T	4-Nitrotoluene	0.00	0	N.D.	ng/ml
9)	M	RDX	0.00	0	N.D.	ng/ml
10)	M	1,3-Dinitrobenzene	0.00	0	N.D.	ng/ml
11)	M	Nitrobenzene	0.00	0	N.D.	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	0.00	0	N.D.	ng/ml
13)	M	2,4-Dinitrotoluene	0.00	0	N.D.	ng/ml
14)	M	2-Nitrotoluene	0.00	0	N.D.	ng/ml
15)	M	3-Nitrotoluene	0.00	0	N.D.	ng/ml

Quantitation Report

Data File : H:\LCDATA\LCD\092506\LCD33040.D Vial: 22
Acq On : 28 Sep 2006 15:35 Operator: AG
Sample : 609093-004-011-1/2 Inst : LCD
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 30 12:26 2006 Quant Results File: 6624833.RES

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Wed Jul 19 10:02:46 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\092506\0925NG\LCD33040.D Vial: 22
Acq On : 28 Sep 2006 15:35 Operator: AG
Sample : 609093-004-011-1/2 Inst : LCD
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 30 12:40 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.34	30122289	213.616 PPB
Spiked Amount 300.000		Recovery =	71.21%
Target Compounds			
2) M NITROGLYCERINE	0.00	0	N.D. PPM

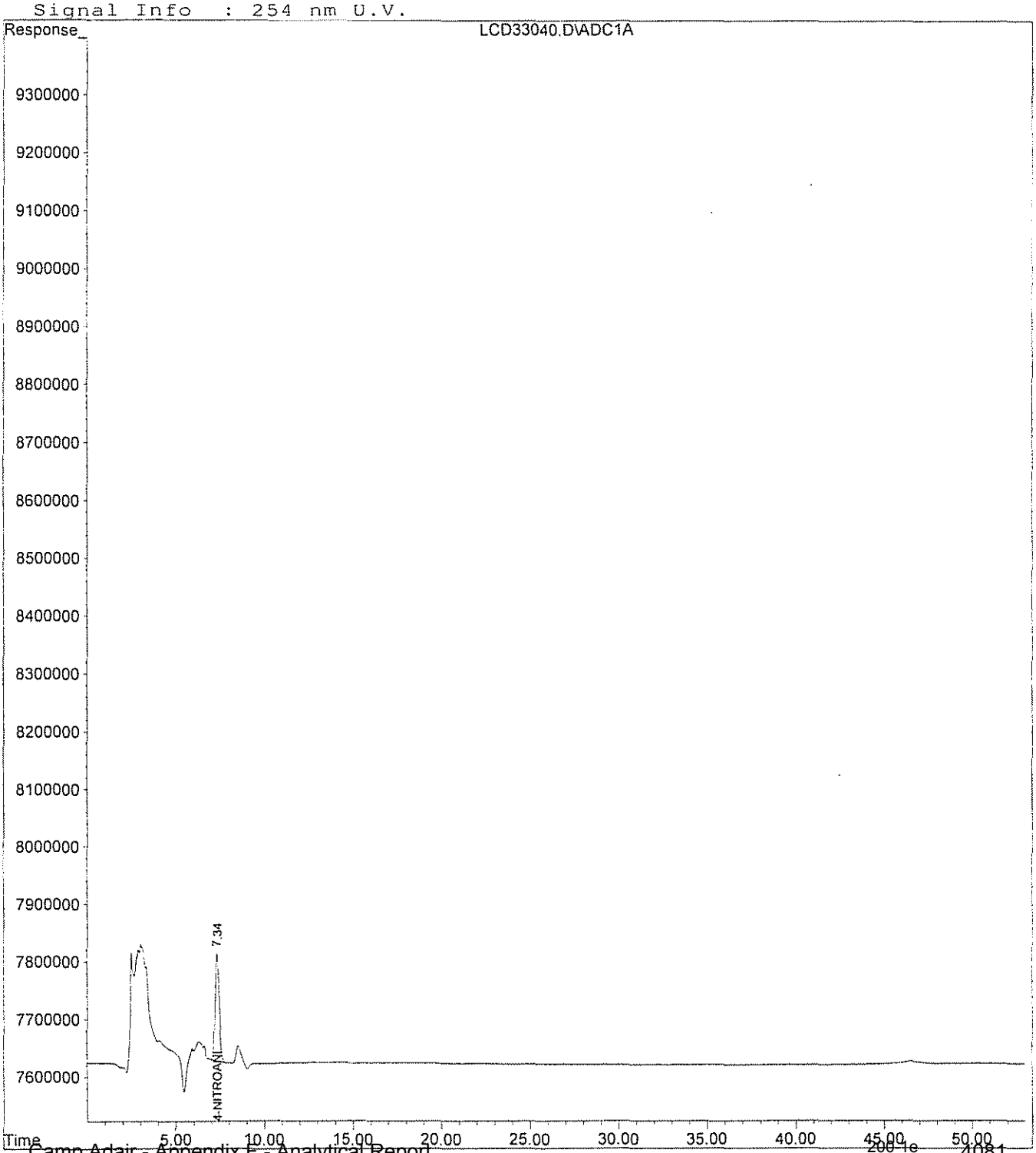
(f)=RT Delta > 1/2 Window (m)=manual int.
LCD33040.D 6818NGPT.M Sat Sep 30 12:43:02 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCD\092506\0925NG\LCD33040.D Vial: 22
Acq On : 28 Sep 2006 15:35 Operator: AG
Sample : 609093-004-011-1/2 Inst : LCD
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 30 12:40 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



C. Standards Data

1. Initial Calibration Data

2. Continuing Calibration Data

GPL Laboratories

Response Factor Report LCD

Method : E:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Mon Aug 07 10:15:01 2006

Calibration Files
LEV1 =LCD31116.D LEV2 =LCD31117.D LEV3 =LCD31118.D
LEV4 =LCD31119.D LEV5 =LCD31120.D LEV6 =LCD31121.D

		Compound	LEV1	LEV2	LEV3	LEV4	LEV5	LEV6	Avg		%RSD
1)	T	HMX	1.760	1.468	1.420	1.472	1.432	1.379	1.488	E5	9.23
2)	S	4-Nitroaniline	1.254	1.308	1.367	1.391	1.364	1.341	1.338	E5	3.70
3)	T	1,3,5-Trinitrobenze	4.182	3.928	3.889	4.037	3.903	3.802	3.957	E5	3.38
4)	T	Tetryl	2.520	2.502	2.858	2.948	2.842	2.757	2.738	E5	6.79
5)	T	2,4,6-Trinitrotolue	3.973	3.421	3.669	3.712	3.634	3.509	3.653	E5	5.22
6)	T	4-Amino-2,6-Dinitro	3.301	3.162	2.771	2.760	2.717	2.623	2.889	E5	9.49
7)	T	2,6-Dinitrotoluene	2.779	2.629	2.543	2.628	2.574	2.487	2.606	E5	3.84
8)	T	4-Nitrotoluene	1.923	2.013	1.886	1.979	1.898	1.866	1.927	E5	2.97
9)	M	RDX	2.188	2.016	1.799	1.820	1.750	1.738	1.885	E5	9.50
10)	M	1,3-Dinitrobenzene	5.826	5.465	5.362	5.590	5.386	5.247	5.479	E5	3.73
11)	M	Nitrobenzene	4.489	3.795	3.586	3.687	3.613	3.487	3.776	E5	9.64
12)	M	2-Amino-4,6-Dinitro	4.481	3.967	3.832	3.860	3.786	3.650	3.929	E5	7.36
13)	M	2,4-Dinitrotoluene	5.945	5.403	5.235	5.367	5.230	5.049	5.371	E5	5.72
14)	M	2-Nitrotoluene	2.488	2.324	2.249	2.340	2.245	2.194	2.307	E5	4.51
15)	M	3-Nitrotoluene	2.456	2.539	2.407	2.511	2.416	2.372	2.450	E5	2.64

#) = Out of Range
6624833.M Mon Aug 07 10:16:45 2006 A Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\062406\LCD31115.D Vial: 1
Acq On : 24 Jun 2006 12:19 Operator: SS
Sample : 8330MIX- BLK Inst : LCD
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 25 8:39 2006 Quant Results File: 6624833.RES

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Thu Jun 01 10:00:05 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound			R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	0.00	0	N.D.	ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 0.00%#						
Target Compounds						
1)	T	HMX	0.00	0	N.D.	ng/ml
3)	T	1,3,5-Trinitrobenzene	0.00	0	N.D.	ng/ml
4)	T	Tetryl	0.00	0	N.D.	ng/ml
5)	T	2,4,6-Trinitrotoluene	0.00	0	N.D.	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	0.00	0	N.D.	ng/ml
7)	T	2,6-Dinitrotoluene	0.00	0	N.D.	ng/ml
8)	T	4-Nitrotoluene	0.00	0	N.D.	ng/ml
9)	M	RDX	0.00	0	N.D.	ng/ml
10)	M	1,3-Dinitrobenzene	0.00	0	N.D.	ng/ml
11)	M	Nitrobenzene	0.00	0	N.D.	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	0.00	0	N.D.	ng/ml
13)	M	2,4-Dinitrotoluene	0.00	0	N.D.	ng/ml
14)	M	2-Nitrotoluene	0.00	0	N.D.	ng/ml
15)	M	3-Nitrotoluene	0.00	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.
LCD31115.D 6624833.M Mon Jul 17 15:08:07 2006 A Page 1

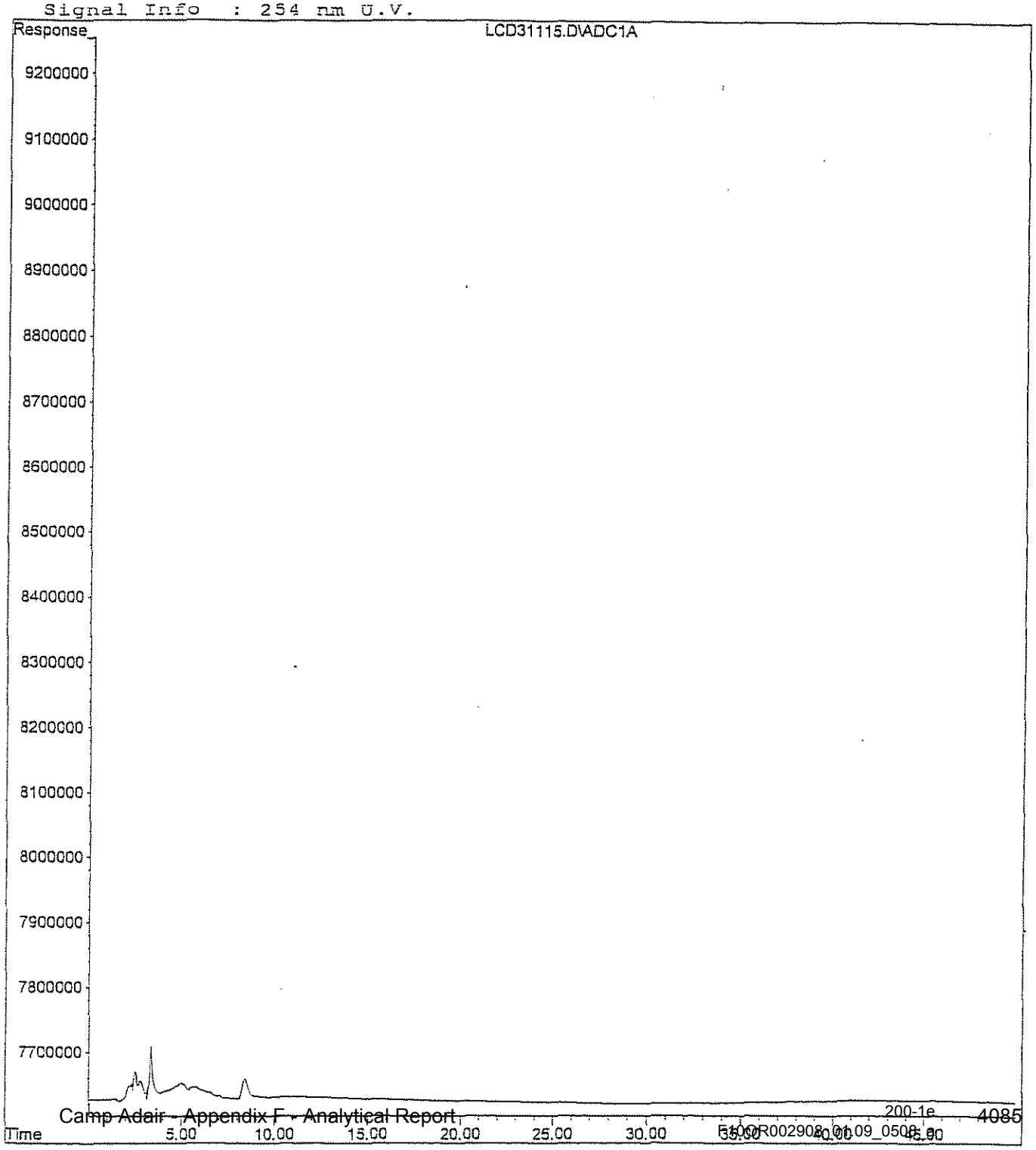
Quantitation Report

Data File : H:\LCDATA\LCD\062406\LCD31115.D
Acq On : 24 Jun 2006 12:19
Sample : 8330MIX- BLK
Misc : C CAL
IntFile : events.e
Quant Time: Jun 25 8:39 2006 Quant Results File: 6624833.RES

Vial: 1
Operator: SS
Inst : LCD
Multiplr: 1.00

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Thu Jun 01 10:00:05 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\062406\LCD31116.D Vial: 2
Acq On : 24 Jun 2006 13:14 Operator: SS
Sample : 8330MIX- LEV 1 Inst : LCD
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 25 9:04 2006 Quant Results File: 6624833.RES

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Thu Jun 01 10:00:05 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
2)	S	4-Nitroaniline	7.04	1254327	10.428 ng/mlm
Spiked Amount 300.000 Range 49 - 133 Recovery = 3.48%#					
Target Compounds					
1)	T	HMX	4.59	1759932	12.672 ng/mlm
3)	T	1,3,5-Trinitrobenzene	13.04	2091118	6.500 ng/mlm
4)	T	Tetryl	19.00f	2520356	10.829 ng/mlm
5)	T	2,4,6-Trinitrotoluene	23.31	1986721	6.302 ng/mlm
6)	T	4-Amino-2,6-Dinitrotoluene	25.15	1650425	6.478 ng/mlm
7)	T	2,6-Dinitrotoluene	29.17f	1389301	7.223 ng/mlm
8)	T	4-Nitrotoluene	40.83f	1923404	11.699 ng/mlm
9)	M	RDX	8.78	2188060	13.223 ng/mlm
10)	M	1,3-Dinitrobenzene	17.33	2912957	6.160 ng/mlm
11)	M	Nitrobenzene	20.83	2244609	6.997 ng/mlm
12)	M	2-Amino-4,6-Dinitrotoluene	26.76	2240274	6.536 ng/mlm
13)	M	2,4-Dinitrotoluene	30.45	2972439	6.045 ng/mlm
14)	M	2-Nitrotoluene	37.92	2487943	12.868 ng/mlm
15)	M	3-Nitrotoluene	44.46	2455751	12.108 ng/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.
LCD31116.D 6624833.M Mon Jul 17 15:08:09 2006

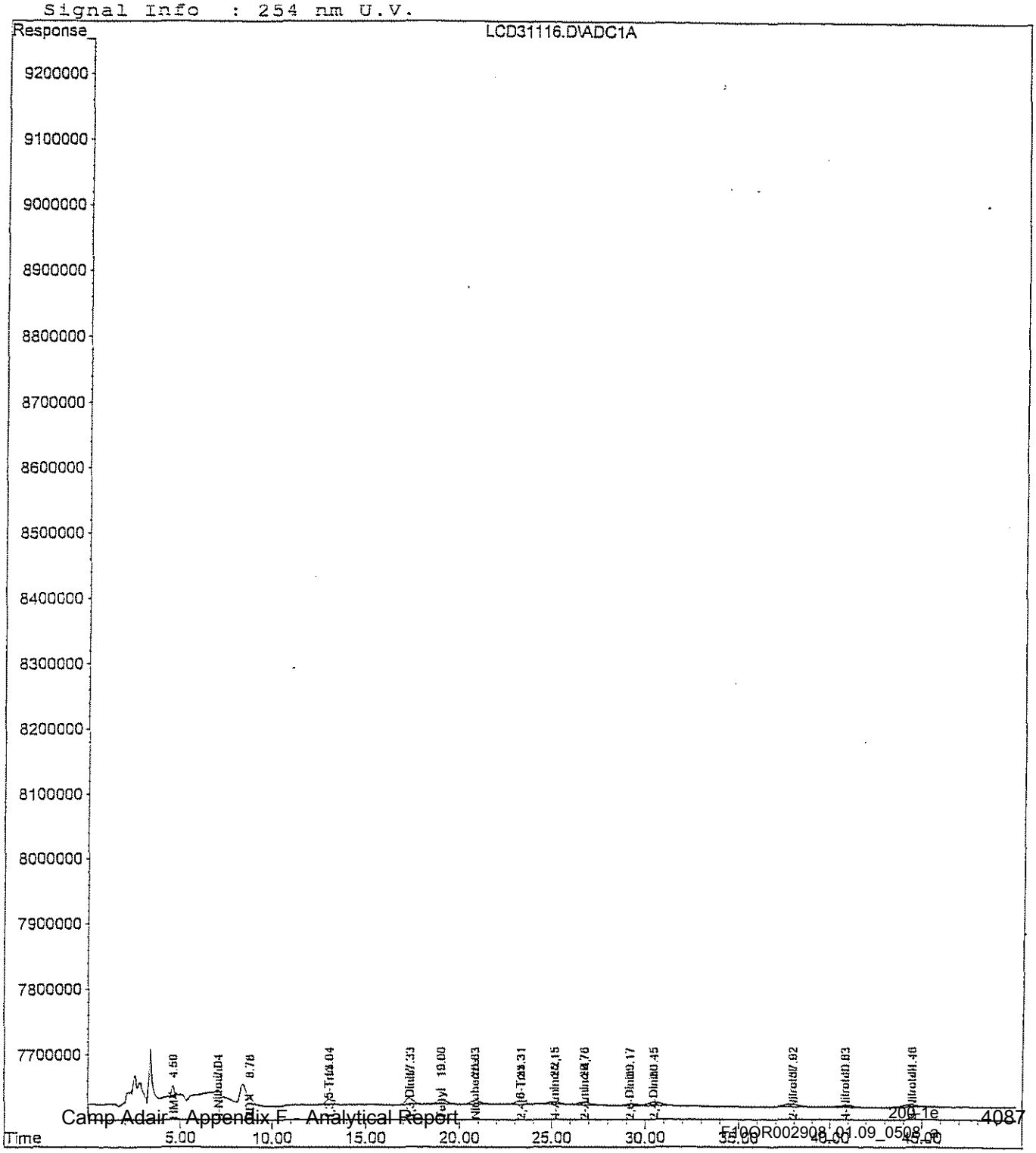
Quantitation Report

Data File : H:\LCDATA\LCD\062406\LCD31116.D
Acq On : 24 Jun 2006 13:14
Sample : 8330MIX- LEV 1
Misc : C CAL
IntFile : events.e
Quant Time: Jun 25 9:04 2006 Quant Results File: 6624833.RES

Vial: 2
Operator: SS
Inst : LCD
Multiplr: 1.00

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Thu Jun 01 10:00:05 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\062406\LCD31117.D
Acq On : 24 Jun 2006 14:08
Sample : 8330MIX- LEV 2
Misc : C CAL
IntFile : events.e
Quant Time: Jun 25 8:55 2006 Quant Results File: 6624833.RES

Vial: 3
Operator: SS
Inst : LCD
Multiplr: 1.00

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Thu Jun 01 10:00:05 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.07	13083535	109.897	ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 36.63%#						
Target Compounds						
1)	T	HMX	4.61	14675499	110.344	ng/mlm
3)	T	1,3,5-Trinitrobenzene	13.10	19641765	56.275	ng/ml
4)	T	Tetryl	19.15f	25020683	105.167	ng/ml
5)	T	2,4,6-Trinitrotoluene	23.41	17102803	49.942	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	25.23	15811346	55.983	ng/mlm
7)	T	2,6-Dinitrotoluene	29.40	13142733	63.466	ng/ml
8)	T	4-Nitrotoluene	41.00	20127970	115.415	ng/ml
9)	M	RDX	8.85f	20159963	112.300	ng/ml
10)	M	1,3-Dinitrobenzene	17.40	27326380	54.035	ng/ml
11)	M	Nitrobenzene	20.94	18974217	53.600	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	26.91	19837108	53.419	ng/ml
13)	M	2,4-Dinitrotoluene	30.61	27017273	52.236	ng/ml
14)	M	2-Nitrotoluene	37.95	23237320	112.927	ng/ml
15)	M	3-Nitrotoluene	44.49	25388959	117.916	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.
LCD31117.D 6624833.M Mon Jul 17 15:08:12 2006 Page 1

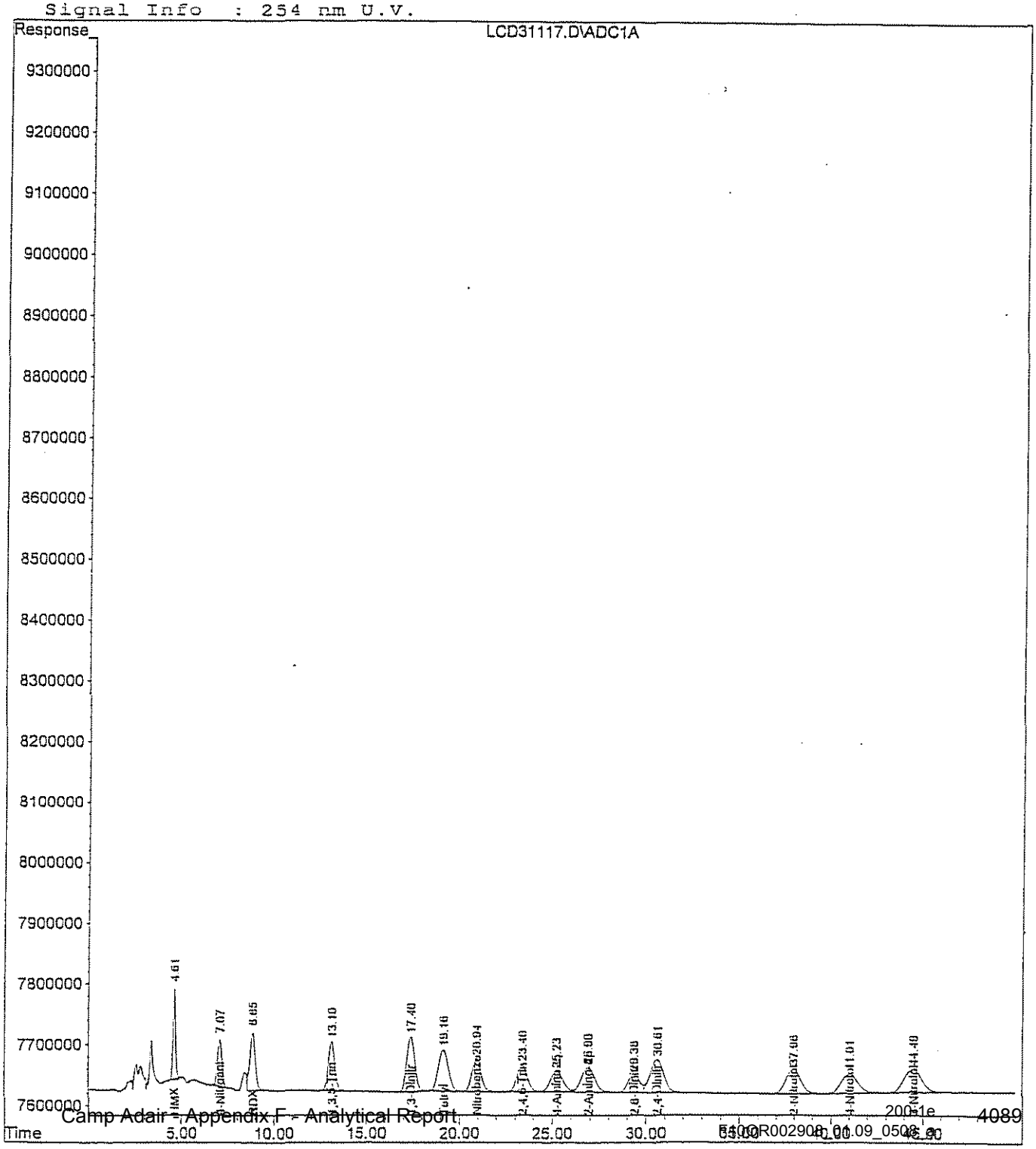
Quantitation Report

Data File : H:\LCDATA\LCD\062406\LCD31117.D
Acq On : 24 Jun 2006 14:08
Sample : 8330MIX- LEV 2
Misc : C CAL
IntFile : events.e
Quant Time: Jun 25 8:55 2006 Quant Results File: 6624833.RES

Vial: 3
Operator: SS
Inst : LCD
Multiplr: 1.00

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Thu Jun 01 10:00:05 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LCD31117.D 6624833.M Mon Jul 17 15:08:13 2006 A Page 2

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\062406\LCD31118.D Vial: 4
Acq On : 24 Jun 2006 15:03 Operator: SS
Sample : 8330MIX- LEV 3 Inst : LCD
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 25 8:38 2006 Quant Results File: 6624833.RES

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Thu Jun 01 10:00:05 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.07	68338438	581.581	ng/mlm
Spiked Amount		300.000	Range 49 - 133	Recovery	= 193.86%#	
Target Compounds						
1)	T	HMX	4.61	71010360	521.723	ng/ml
3)	T	1,3,5-Trinitrobenzene	13.10	97223383	310.569	ng/mlm
4)	T	Tetryl	19.15	142922239	631.596	ng/mlm
5)	T	2,4,6-Trinitrotoluene	23.40	91725712	292.595	ng/mlm
6)	T	4-Amino-2,6-Dinitrotoluene	25.30	69267467	274.201	ng/ml
7)	T	2,6-Dinitrotoluene	29.42	63575256	347.405	ng/mlm
8)	T	4-Nitrotoluene	41.07	94288412	583.782	ng/mlm
9)	M	RDX	8.86	89955891	553.107	ng/mlm
10)	M	1,3-Dinitrobenzene	17.40	134057540	288.286	ng/mlm
11)	M	Nitrobenzene	20.95	89645309	280.745	ng/mlm
12)	M	2-Amino-4,6-Dinitrotoluene	26.94	95796186	281.426	ng/ml
13)	M	2,4-Dinitrotoluene	30.63	130879660	266.497	ng/ml
14)	M	2-Nitrotoluene	38.01	112454410	595.660	ng/mlm
15)	M	3-Nitrotoluene	44.51	120327028	609.189	ng/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.
LCD31118.D 6624833.M Mon Jul 17 15:08:15 2006 A Page 1

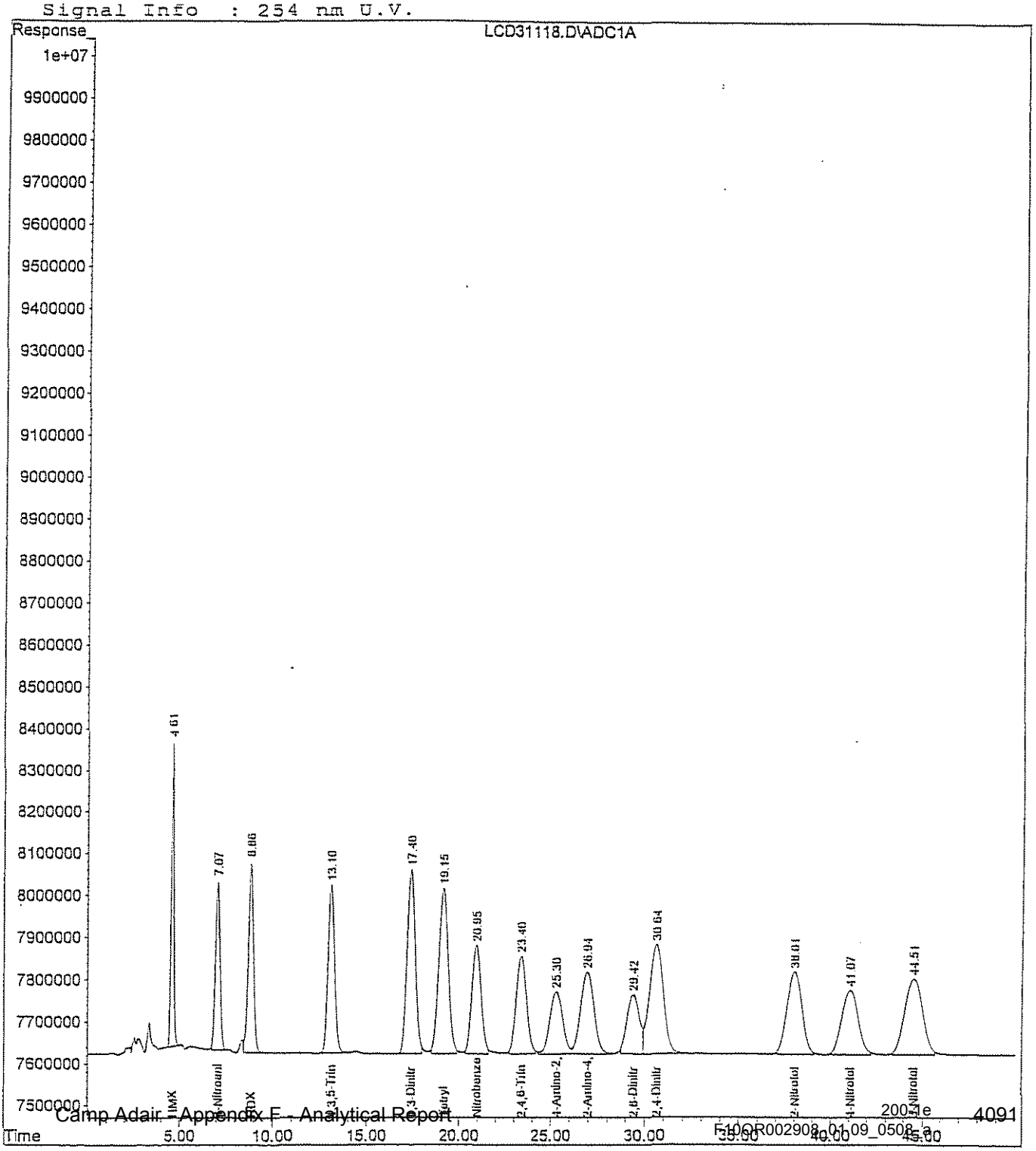
Quantitation Report

Data File : H:\LCDATA\LCD\062406\LCD31118.D
Acq On : 24 Jun 2006 15:03
Sample : 8330MIX- LEV 3
Misc : C CAL
IntFile : events.e
Quant Time: Jun 25 8:38 2006 Quant Results File: 6624833.RES

Vial: 4
Operator: SS
Inst : LCD
Multiplr: 1.00

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Thu Jun 01 10:00:05 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LCD31118.D 6624833.M Mon Jul 17 15:08:16 2006 A Page 2

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\062406\LCD31119.D Vial: 5
Acq On : 24 Jun 2006 15:57 Operator: SS
Sample : 8330MIX- LEV 4 Inst : LCD
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 25 8:51 2006 Quant Results File: 6624833.RES

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Thu Jun 01 10:00:05 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.07	139147536	1180.758	ng/mlm
Spiked Amount 300.000 Range 49 - 133 Recovery = 393.59%#						
Target Compounds						
1)	T	HMX	4.61	147221403	1088.479	ng/mlm
3)	T	1,3,5-Trinitrobenzene	13.11	201830797	545.481	ng/ml
4)	T	Tetryl	19.16	294771057	1149.338	ng/ml
5)	T	2,4,6-Trinitrotoluene	23.40	185593511	523.048	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	25.29	138004257	467.825	ng/ml
7)	T	2,6-Dinitrotoluene	29.38	131393559	578.932	ng/ml
8)	T	4-Nitrotoluene	41.04	197905005	1066.800	ng/ml
9)	M	RDX	8.86	182035340	988.783	ng/mlm
10)	M	1,3-Dinitrobenzene	17.41	279487029	535.173	ng/ml
11)	M	Nitrobenzene	20.95	184344848	497.774	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	26.91	192986321	502.291	ng/ml
13)	M	2,4-Dinitrotoluene	30.58	268342856	506.946	ng/ml
14)	M	2-Nitrotoluene	37.96	233975822	1077.715	ng/ml
15)	M	3-Nitrotoluene	44.53	251089980	1088.117	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.
LCD31119.D 6624833.M Mon Jul 17 15:08:18 2006 Page 1

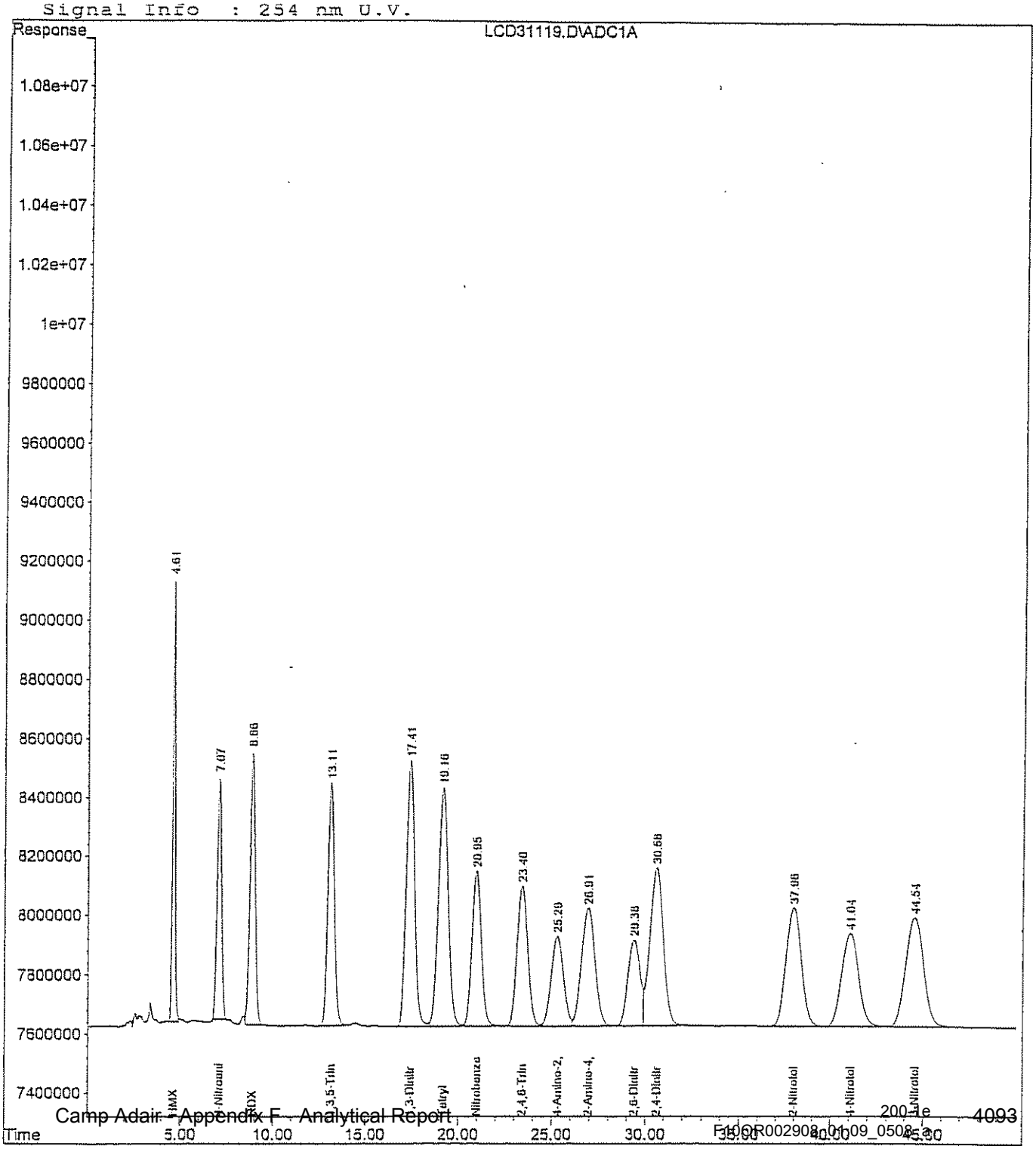
Quantitation Report

Data File : H:\LCDATA\LCD\062406\LCD31119.D
Acq On : 24 Jun 2006 15:57
Sample : 8330MIX- LEV 4
Misc : C CAL
IntFile : events.e
Quant Time: Jun 25 8:51 2006 Quant Results File: 6624833.RES

Vial: 5
Operator: SS
Inst : LCD
Multiplr: 1.00

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Thu Jun 01 10:00:05 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\062406\LCD31120.D Vial: 6
Acq On : 24 Jun 2006 16:51 Operator: SS
Sample : 8330MIX- LEV 5 Inst : LCD
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 25 8:52 2006 Quant Results File: 6624833.RES

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Thu Jun 01 10:00:05 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.05	272811101	2261.502	ng/mlm
Spiked Amount 300.000 Range 49 - 133 Recovery = 753.83%#						
Target Compounds						
1)	T	HMX	4.60	286306155	2061.566	ng/ml
3)	T	1,3,5-Trinitrobenzene	13.08	390290885	1024.490	ng/ml
4)	T	Tetryl	19.12	568340149	2148.521	ng/ml
5)	T	2,4,6-Trinitrotoluene	23.39	363370688	1010.854	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	25.28	271664105	908.914	ng/ml
7)	T	2,6-Dinitrotoluene	29.39	257406712	1076.944	ng/ml
8)	T	4-Nitrotoluene	41.02	379516257	2004.811	ng/ml
9)	M	RDX	8.84	349933580	1865.083	ng/mlm
10)	M	1,3-Dinitrobenzene	17.38	538616433	1008.997	ng/ml
11)	M	Nitrobenzene	20.92	361302113	965.249	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	26.92	378620400	973.959	ng/ml
13)	M	2,4-Dinitrotoluene	30.60	522971018	975.682	ng/ml
14)	M	2-Nitrotoluene	37.96	448989567	2017.150	ng/ml
15)	M	3-Nitrotoluene	44.48	483137348	2037.572	ng/ml

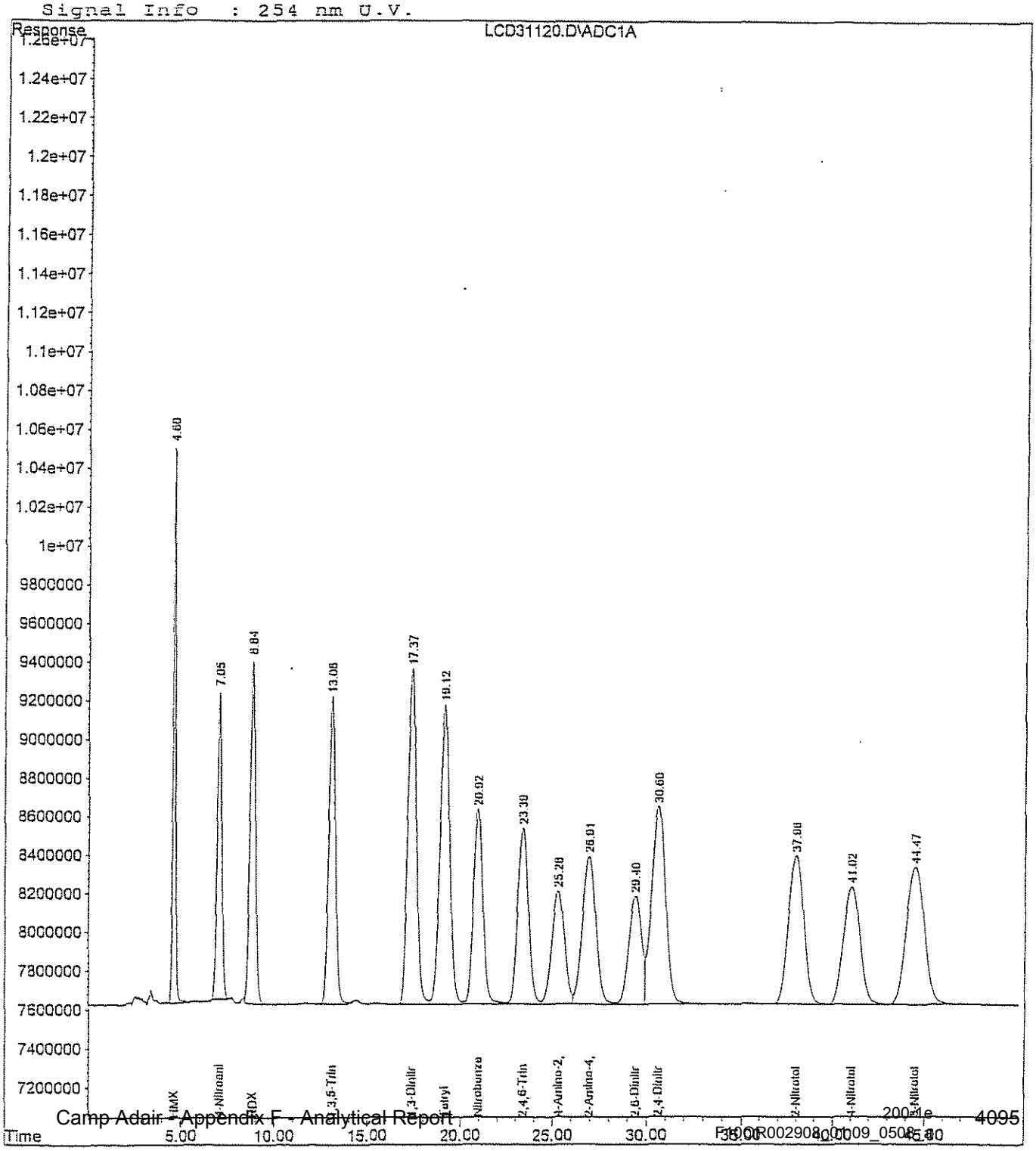
Quantitation Report

Data File : H:\LCDATA\LCD\062406\LCD31120.D
Acq On : 24 Jun 2006 16:51
Sample : 8330MIX- LEV 5
Misc : C CAL
IntFile : events.e
Quant Time: Jun 25 8:52 2006 Quant Results File: 6624833.RES

Vial: 6
Operator: SS
Inst : LCD
Multiplr: 1.00

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Thu Jun 01 10:00:05 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\062406\LCD31121.D Vial: 7
Acq On : 24 Jun 2006 17:46 Operator: SS
Sample : 8330MIX- LEV 6 Inst : LCD
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 25 8:47 2006 Quant Results File: 6624833.RES

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Thu Jun 01 10:00:05 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.08	670355904	5431.224	ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 1810.41%#						
Target Compounds						
1)	T	HMX	4.61	689523342	4856.739	ng/ml
3)	T	1,3,5-Trinitrobenzene	13.12	950473409	2438.298	ng/ml
4)	T	Tetryl	19.21	1378345707	5100.480	ng/ml
5)	T	2,4,6-Trinitrotoluene	23.45	877267795	2411.431	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	25.37	655643836	2164.810	ng/ml
7)	T	2,6-Dinitrotoluene	29.44	621655738	2480.888	ng/ml
8)	T	4-Nitrotoluene	41.02	933064191	4873.746	ng/ml
9)	M	RDX	8.88	869110790	4564.775	ng/mlm
10)	M	1,3-Dinitrobenzene	17.44	1311700085	2416.149	ng/ml
11)	M	Nitrobenzene	20.99	871815215	2308.082	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	27.00	912590128	2323.949	ng/ml
13)	M	2,4-Dinitrotoluene	30.64	1262153799	2342.850	ng/ml
14)	M	2-Nitrotoluene	37.97	1096771071	4825.653	ng/ml
15)	M	3-Nitrotoluene	44.49	1185761669	4910.885	ng/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.
LCD31121.D 6624833.M Mon Jul 17 15:08:23 2006

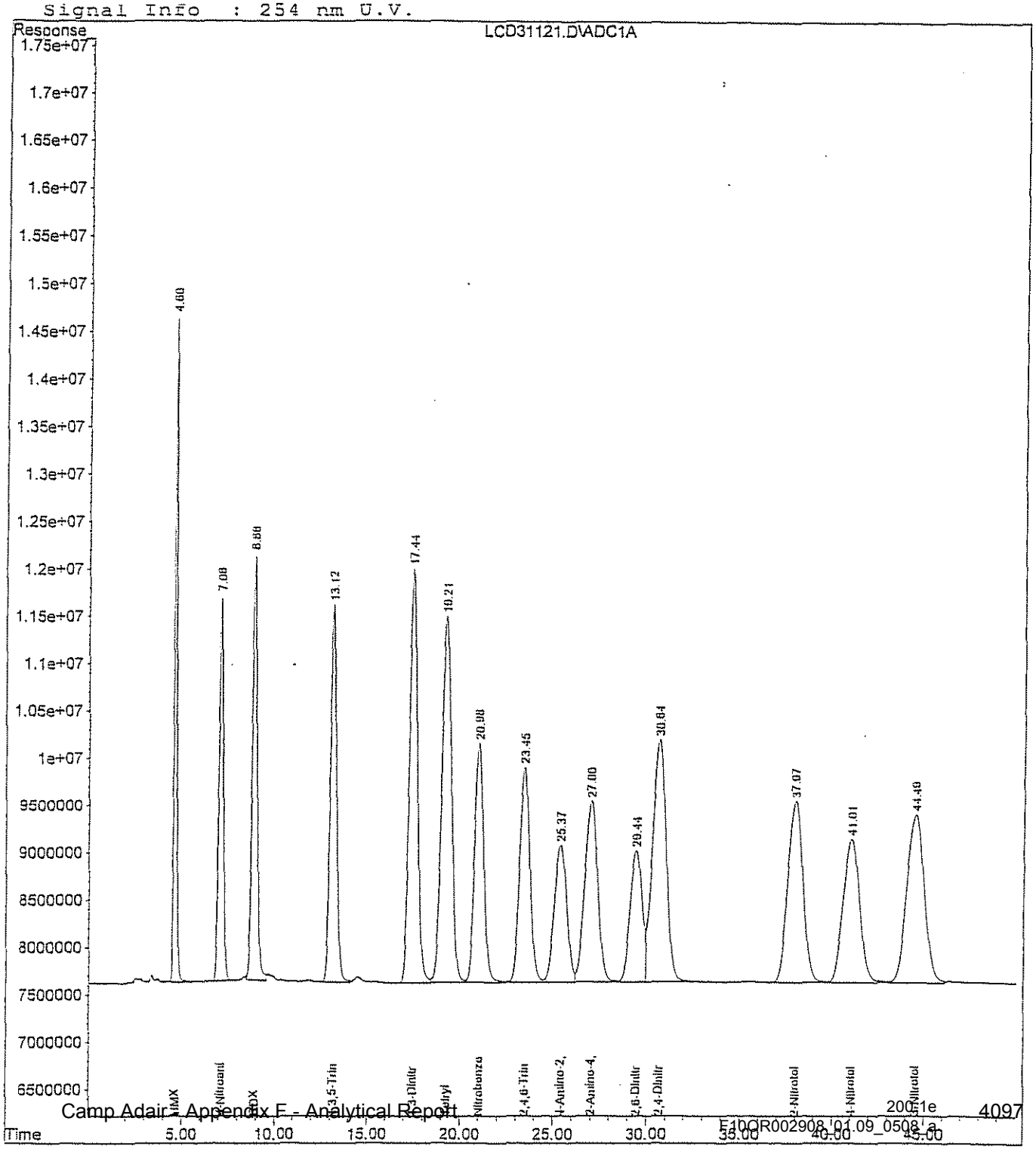
Quantitation Report

Data File : H:\LCDATA\LCD\062406\LCD31121.D
Acq On : 24 Jun 2006 17:46
Sample : 8330MIX- LEV 6
Misc : C CAL
IntFile : events.e
Quant Time: Jun 25 8:47 2006 Quant Results File: 6624833.RES

Vial: 7
Operator: SS
Inst : LCD
Multiplr: 1.00

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Thu Jun 01 10:00:05 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Evaluate Continuing Calibration Report

Data File : I:\LCDATA\LCD\062406\LCD31122.D Vial: 8
Acq On : 24 Jun 2006 18:40 Operator: SS
Sample : 8330MIX- ICV Inst : LCD
Misc : C CAL Multiplr: 1.00
IntFile : events.e

Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Wed Sep 13 10:06:24 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
1	T	HMX	148.841	141.722	E3	4.8	50#	-0.10
3	T	1,3,5-Trinitrobenzene	395.682	344.603	E3	12.9	88	-0.46
4	T	Tetryl	273.783	149.437	E3	45.4#	52	-1.02#
5	T	2,4,6-Trinitrotoluene	365.295	372.570	E3	-2.0	102	-1.04#
6	T	4-Amino-2,6-Dinitrotoluene	288.885	253.622	E3	12.2	98	-1.27#
7	T	2,6-Dinitrotoluene	260.645	274.709	E3	-5.4	108	-1.37#
8	T	4-Nitrotoluene	192.745	179.662	E3	6.8	47#	-1.88#
9	M	RDX	188.524	175.751	E3	6.8	51	-0.29
10	M	1,3-Dinitrobenzene	547.937	519.036	E3	5.3	97	-0.62#
11	M	Nitrobenzene	377.618	346.811	E3	8.2	97	-0.80#
12	M	2-Amino-4,6-Dinitrotoluene	392.935	414.144	E3	-5.4	111	-1.26#
13	M	2,4-Dinitrotoluene	537.145	488.181	E3	9.1	93	-1.33#
14	M	2-Nitrotoluene	230.650	215.684	E3	6.5	48#	-1.78#
15	M	3-Nitrotoluene	244.988	228.736	E3	6.6	48#	-2.08#

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LCD31122.D 6624833.M Wed Sep 13 10:27:57 2006 A

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\062406\LCD31122.D Vial: 8
Acq On : 24 Jun 2006 18:40 Operator: SS
Sample : 8330MIX- ICV Inst : LCD
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 25 8:48 2006 Quant Results File: 6624833.RES

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Thu Jun 01 10:00:05 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	0.00	0	N.D.	ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 0.00%#						
Target Compounds						
1)	T	HMX	4.60	35430397	246.302	ng/mlm
3)	T	1,3,5-Trinitrobenzene	13.08	86150684	217.727	ng/ml
4)	T	Tetryl	19.12	74718251	272.911	ng/ml
5)	T	2,4,6-Trinitrotoluene	23.40	93142432	254.979	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	25.31	63405390	208.133	ng/ml
7)	T	2,6-Dinitrotoluene	29.41	68677168	263.489	ng/ml
8)	T	4-Nitrotoluene	41.05	44915545	233.030	ng/ml
9)	M	RDX	8.84	43937733	228.737	ng/ml
10)	M	1,3-Dinitrobenzene	17.38	129759072	236.814	ng/ml
11)	M	Nitrobenzene	20.93	86702635	229.604	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	26.95	103535914	263.494	ng/ml
13)	M	2,4-Dinitrotoluene	30.62	122045215	227.211	ng/ml
14)	M	2-Nitrotoluene	37.99	53921060	233.779	ng/ml
15)	M	3-Nitrotoluene	44.51	57184022	233.415	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.
LCD31122.D 6624833.M Mon Jul 17 15:08:26 2006

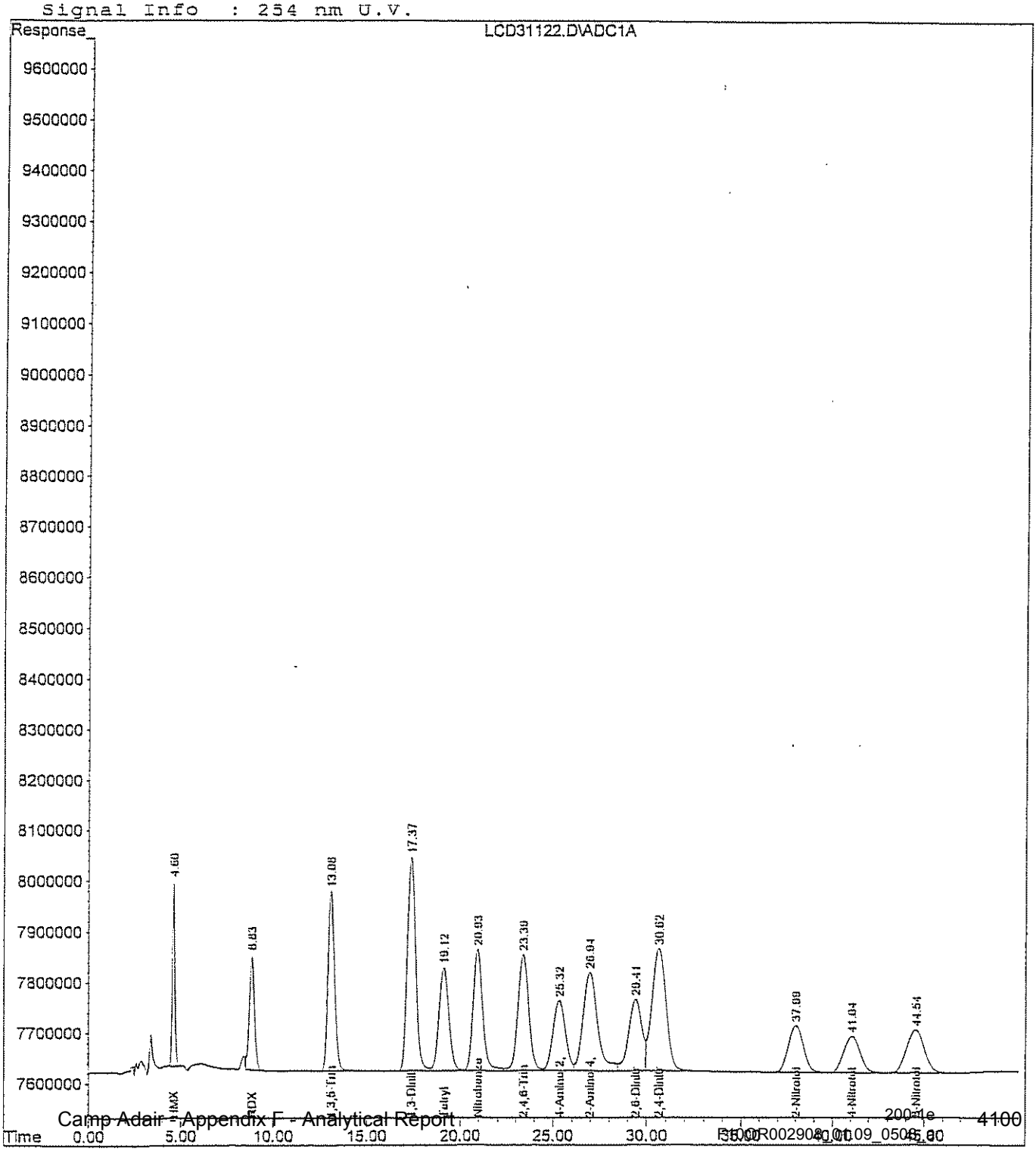
Quantitation Report

Data File : H:\LCDATA\LCD\062406\LCD31122.D
Acq On : 24 Jun 2006 18:40
Sample : 8330MIX- ICV
Misc : C CAL
IntFile : events.e
Quant Time: Jun 25 8:48 2006 Quant Results File: 6624833.RES

Vial: 8
Operator: SS
Inst : LCD
Multiplr: 1.00

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Thu Jun 01 10:00:05 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



8330 RETENTION TIME WINDOW ESTABLISHMENT

INTRUMENT TYPE:	LCD		
COLUMN:	C8	ANALYST	SS
DATE:	06/24/06-06/27/06	DATE	09/12/06

COMPOUND	LCD31123 Retent Time 1	LCD31145 Retent Time 2	LCD31167 Retent Time 3	AVG	Stand Dev	3X Stnd Dev	Average Peak Width	RT WINDOW
4-Nitroaniline(Surr.)	7.070	7.080	7.060	7.070	0.010	0.030	0.30	0.15
HMX	4.600	4.610	4.610	4.607	0.006	0.017	0.30	0.15
1,3,5-Trinitrobenzene	13.110	13.130	13.100	13.113	0.015	0.046	0.50	0.25
Tetryl	19.190	19.210	19.160	19.187	0.025	0.075	0.70	0.35
2,4,6-Trinitrotoluene	23.430	23.460	23.430	23.440	0.017	0.052	0.80	0.40
4-ADNT	25.330	25.370	25.310	25.337	0.031	0.092	0.80	0.40
2,6-Dinitrotoluene	29.400	29.480	29.430	29.437	0.040	0.121	0.80	0.40
4-Nitrotoluene	40.990	41.160	41.060	41.070	0.085	0.256	0.90	0.45
RDX	8.860	8.870	8.850	8.860	0.010	0.030	0.40	0.20
1,3-Dinitrobenzene	17.430	17.440	17.400	17.423	0.021	0.062	0.50	0.25
Nitrobenzene	20.970	20.990	20.960	20.973	0.015	0.046	0.50	0.25
2-ADNT	26.950	27.000	26.930	26.960	0.036	0.108	0.70	0.35
2,4-Dinitrotoluene	30.600	30.690	30.620	30.637	0.047	0.142	0.60	0.30
2-Nitrotoluene	37.930	38.090	38.000	38.007	0.080	0.241	0.80	0.40
3-Nitrotoluene	44.460	44.630	44.540	44.543	0.085	0.255	0.80	0.40

Advisory Retention Time Windows are based on three daily calibration check standards
Run within a 72 hour window

Response Factor Report LCD

Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006

Calibration Files
LEV1 =LCD32278.D LEV2 =LCD32279.D LEV3 =LCD32280.D
LEV4 =LCD32281.D LEV5 =LCD32282.D

	Compound	LEV1	LEV2	LEV3	LEV4	LEV5	Avg	%RSD
1) S	4-NITROANILINE	1.599	1.375	1.373	1.366	1.338	1.410 E5	7.55
2) M	NITROGLYCERINE	2.212	1.960	2.067	2.032	1.984	2.051 E6	4.82

(#) = Out of Range
6818NGPT.M Wed Sep 13 19:19:02 2006 A

Quantitation Report (QT Reviewed)

Data File : I:\LCDATA\LCD\081806\LCD32277.D Vial: 2
Acq On : 18 Aug 2006 21:34 Operator: AG
Sample : NG/PETN-BLK Inst : LCD
Misc : ICAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 19 10:13 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 4-NITROANILINE	0.00	0	N.D.	PPB
Spiked Amount 300.000		Recovery =	0.00%	
Target Compounds				
2) M NITROGLYCERINE	0.00	0	N.D.	PPM
3) M PETN	0.00	0	N.D.	PPM

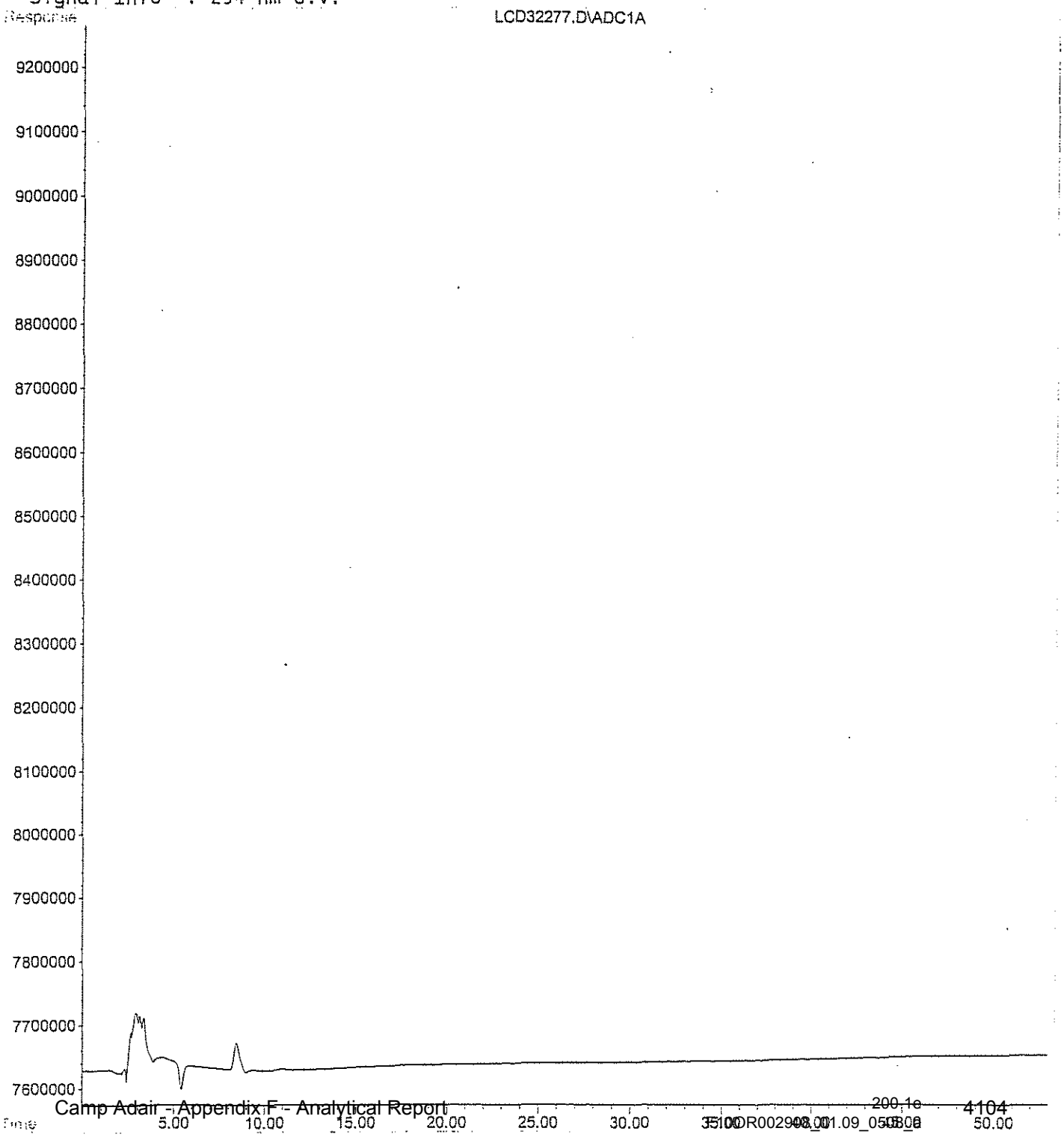
(f)=RT Delta > 1/2 Window (m)=manual int.
LCD32277.D 6818NGPT.M Wed Sep 13 19:18:22 2006 A Page 1

Quantitation Report

Data File : I:\LCDATA\LCD\081806\LCD32277.D Vial: 2
Acq On : 18 Aug 2006 21:34 Operator: AG
Sample : NG/PETN-BLK Inst : LCD
Misc : ICAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 19 10:13 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : I:\LCDATA\LCD\081806\LCD32278.D Vial: 3
Acq On : 18 Aug 2006 22:31 Operator: AG
Sample : NG/PETN-LEV1 Inst : LCD
Misc : ICAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 19 10:12 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.36	3996876	28.099 PPB m
Spiked Amount 300.000		Recovery =	9.37%
Target Compounds			
2) M NITROGLYCERINE	22.35	2211512	1.076 PPM m
3) M PETN	45.67	8222931	4.610 PPM m

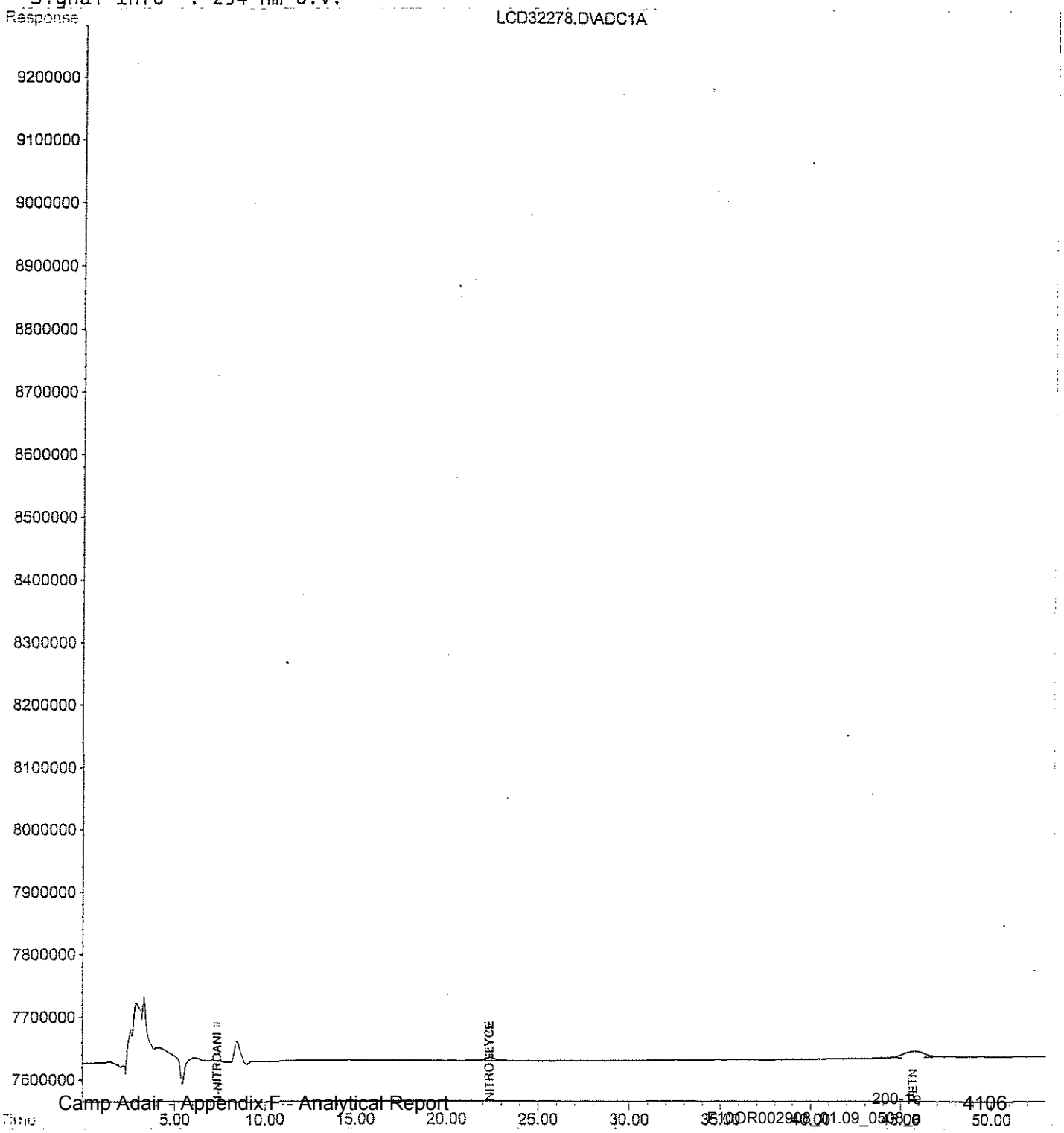
(f)=RT Delta > 1/2 Window (m)=manual int.
LCD32278.D 6818NGPT.M Wed Sep 13 19:18:34 2006 A Page 1

Quantitation Report

Data File : I:\LCDATA\LCD\081806\LCD32278.D Vial: 3
Acq On : 18 Aug 2006 22:31 Operator: AG
Sample : NG/PETN-LEV1 Inst : LCD
Misc : ICAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 19 10:12 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LCD32278.D 6818NGPT.M Wed Sep 13 19:18:35 2006 A Page 2

Quantitation Report (QT Reviewed)

Data File : I:\LCDATA\LCD\081806\LCD32279.D Vial: 4
Acq On : 18 Aug 2006 23:29 Operator: AG
Sample : NG/PETN-LEV2 Inst : LCD
Misc : ICAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 19 10:10 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.34	17186001	120.821 PPB m
Spiked Amount 300.000		Recovery =	40.27%
Target Compounds			
2) M NITROGLYCERINE	22.34	9800802	4.770 PPM
3) M PETN	45.71	43911827	24.616 PPM

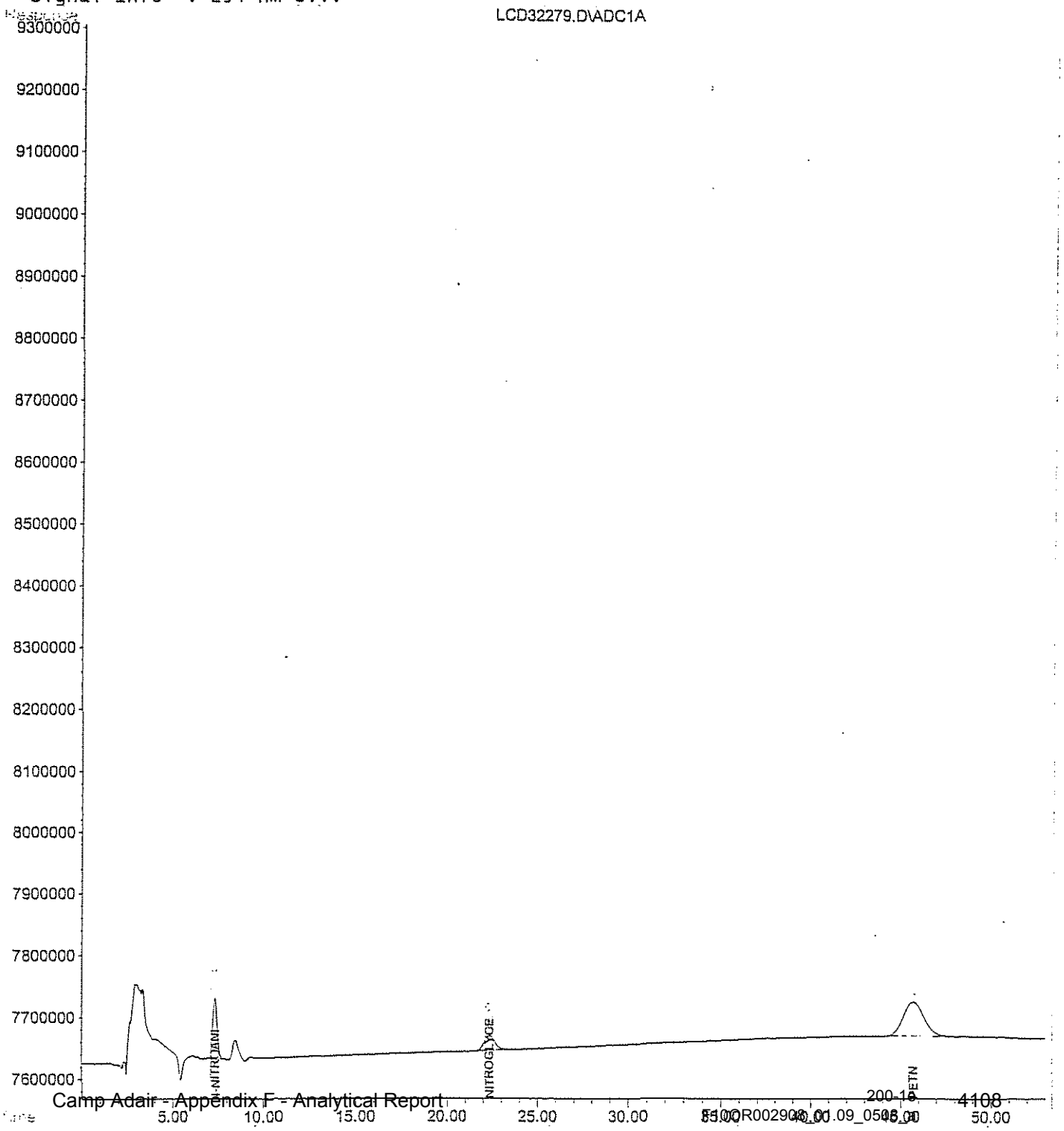
(f)=RT Delta > 1/2 Window (m)=manual int.
LCD32279.D 6818NGPT.M Wed Sep 13 19:18:36 2006 A Page 1

Quantitation Report

Data File : I:\LCDATA\LCD\081806\LCD32279.D Vial: 4
Acq On : 18 Aug 2006 23:29 Operator: AG
Sample : NG/PETN-LEV2 Inst : LCD
Misc : ICAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 19 10:10 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LCD32279.D 6818NGPT.M Wed Sep 13 19:18:37 2006 A Page 2

Quantitation Report (QT Reviewed)

Data File : I:\LCDATA\LCD\081806\LCD32280.D Vial: 5
Acq On : 19 Aug 2006 00:26 Operator: AG
Sample : NG/PETN-LEV3 Inst : LCD
Misc : ICAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 19 10:10 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.34	34317914	241.262 PPB
Spiked Amount 300.000		Recovery =	80.42%
Target Compounds			
2) M NITROGLYCERINE	22.33	20674257	10.063 PPM m
3) M PETN	45.71	91128397	51.085 PPM

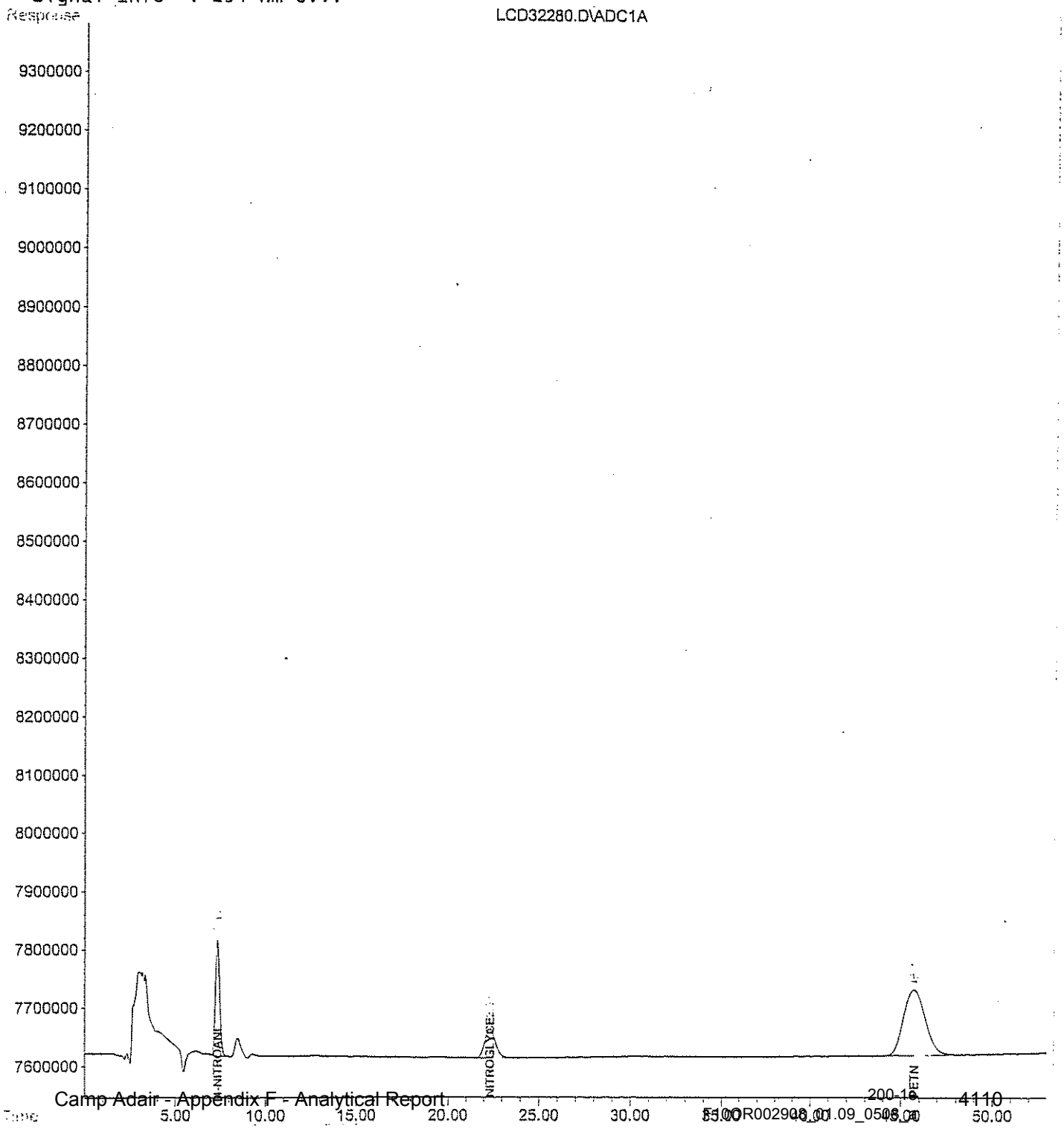
(f)=RT Delta > 1/2 Window (m)=manual int.
LCD32280.D 6818NGPT.M Wed Sep 13 19:18:38 2006 A Page 1

Quantitation Report

Data File : I:\LCDATA\LCD\081806\LCD32280.D Vial: 5
Acq On : 19 Aug 2006 00:26 Operator: AG
Sample : NG/PETN-LEV3 Inst : LCD
Misc : ICAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 19 10:10 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : I:\LCDATA\LCD\081806\LCD32281.D Vial: 6
Acq On : 19 Aug 2006 1:23 Operator: AG
Sample : NG/PETN-LEV4 Inst : LCD
Misc : ICAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 19 10:10 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.33	68287825	480.078 PPB
Spiked Amount 300.000		Recovery =	160.03%
Target Compounds			
2) M NITROGLYCERINE	22.30	40642810	19.782 PPM
3) M PETN	45.72	178671951	100.161 PPM

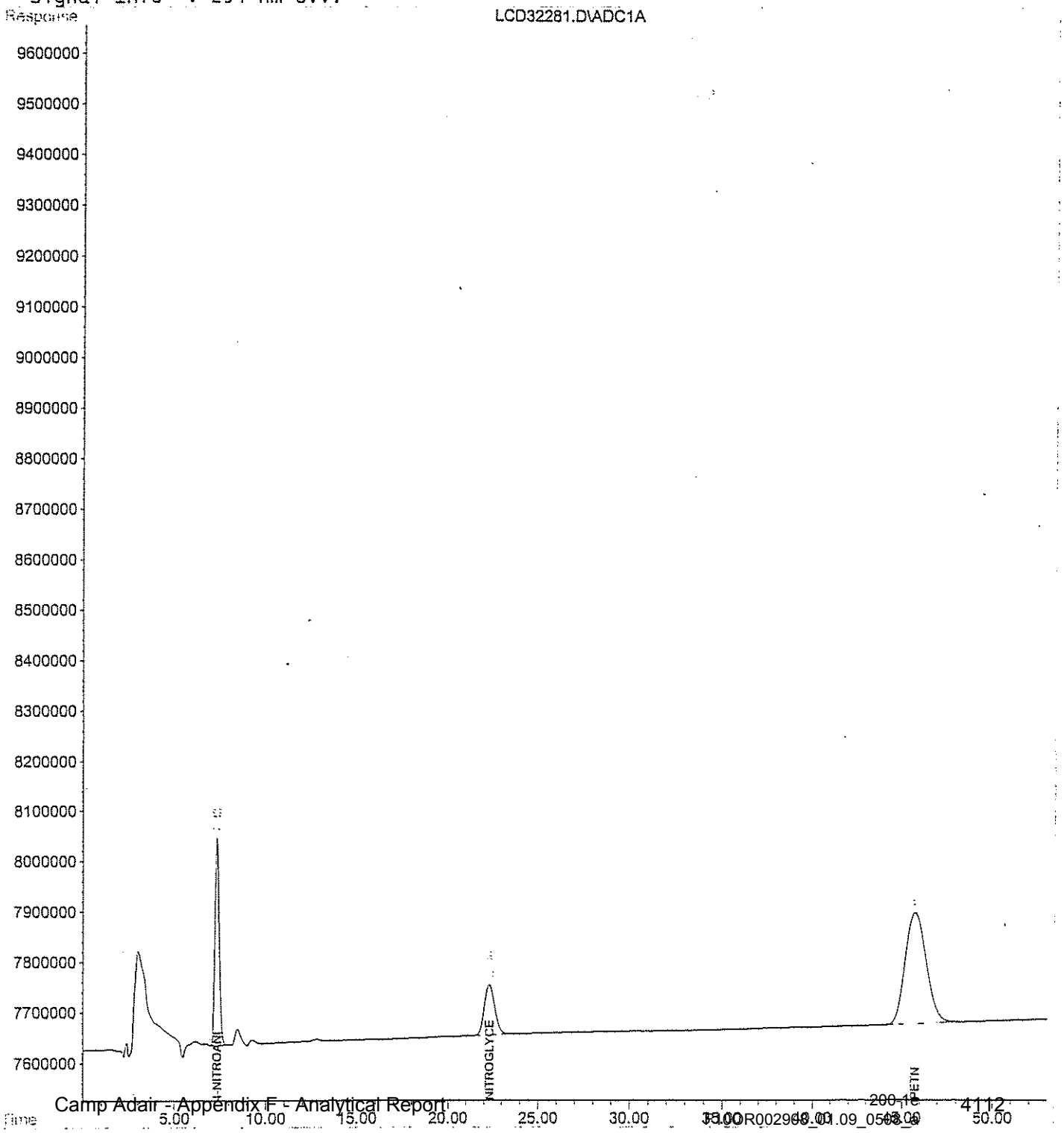
(f)=RT Delta > 1/2 Window (m)=manual int.
LCD32281.D 6818NGPT.M Wed Sep 13 19:18:41 2006 A Page 1

Quantitation Report

Data File : I:\LCDATA\LCD\081806\LCD32281.D Vial: 6
Acq On : 19 Aug 2006 1:23 Operator: AG
Sample : NG/PETN-LEV4 Inst : LCD
Misc : ICAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 19 10:10 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : I:\LCDATA\LCD\081806\LCD32282.D Vial: 7
Acq On : 19 Aug 2006 2:21 Operator: AG
Sample : NG/PETN-LEV5 Inst : LCD
Misc : ICAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 19 10:11 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.34	167309557	1176.223 PPB
Spiked Amount 300.000		Recovery =	392.07%
Target Compounds			
2) M NITROGLYCERINE	22.28	99197617	48.283 PPM
3) M PETN	45.68	271102205	151.976 PPM

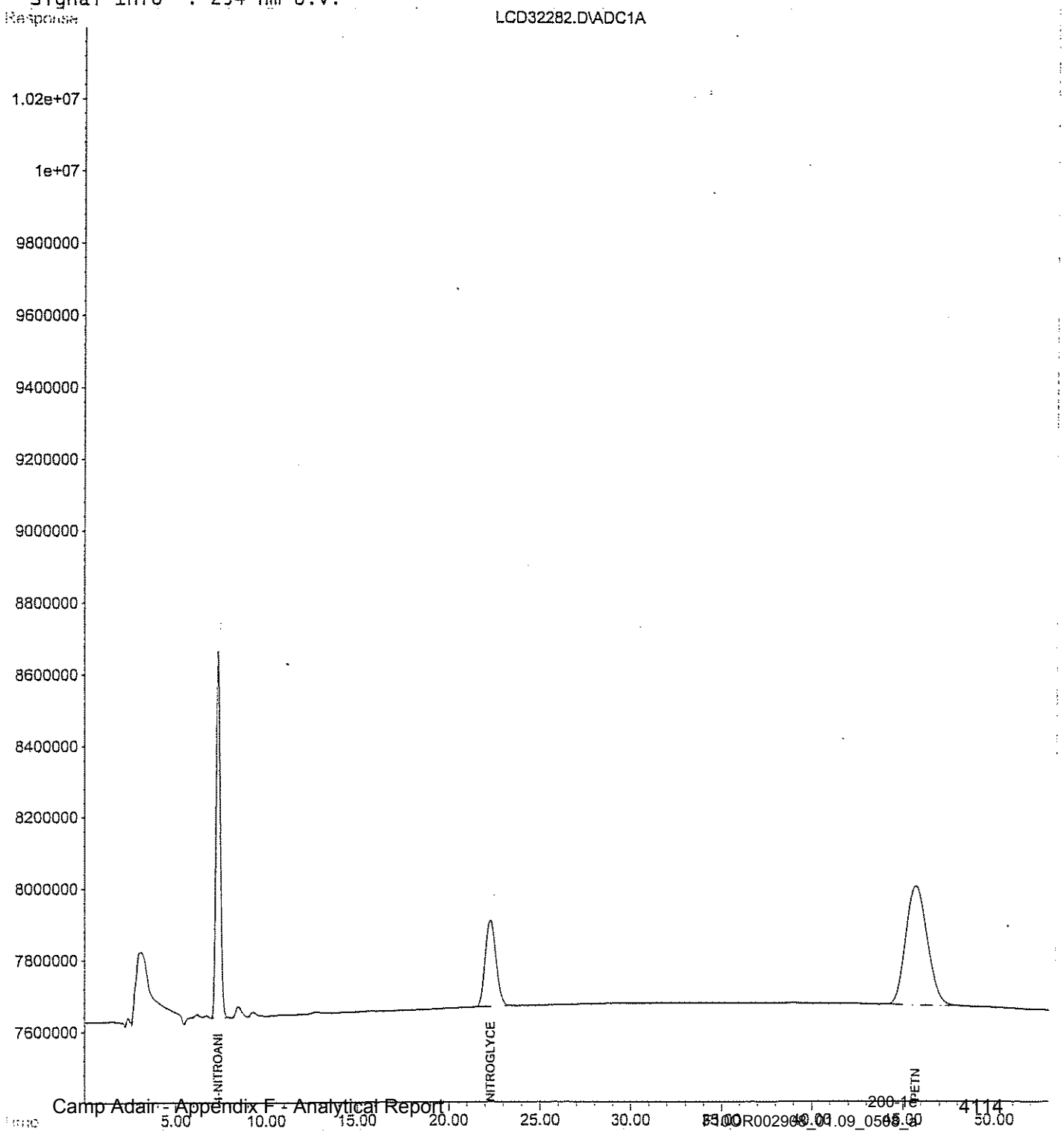
(f)=RT Delta > 1/2 Window (m)=manual int.
LCD32282.D 6818NGPT.M Wed Sep 13 19:18:43 2006 A Page 1

Quantitation Report

Data File : I:\LCDATA\LCD\081806\LCD32282.D Vial: 7
Acq On : 19 Aug 2006 2:21 Operator: AG
Sample : NG/PETN-LEV5 Inst : LCD
Misc : ICAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 19 10:11 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



8330 RETENTION TIME WINDOW ESTABLISHMENT

INTRUMENT: LCD CD32666 LCD3269 CD32713
COLUMN: C8 ANALYST SS
DATE: 09/11/2006-09/14/2006

COMPOUND	RT1	PW1	RT2	PW2	RT3	PW3	Avg RT	3x RT Std De	Avg PW	RT Window
4-Nitroaniline(Surr.)	7.21	7.07	7.23	0.31	7.31	0.30	7.250	0.159	2.56	1.28
Nitroglycerine	21.93	21.96	21.94	0.51	22.31	0.53	22.060	0.650	7.67	3.83

Advisory Retention Time Windows are based on three daily calibration check standards
Run within a 72 hour window

Windows are the greater of 1/2 the average peak width,
or +/- 3 times the retention time standard deviation

Continuing Calibration Report LCD

Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Sat Sep 30 12:45:38 2006
Response via : Initial Calibration

Continuing Calibration File: LCD33049.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	148.841	143.772	E3	3.4	101
2	S	4-Nitroaniline	133.762	135.926	E3	-1.6	99
3	T	1,3,5-Trinitrobenzene	395.682	396.340	E3	-0.2	102
4	T	Tetryl	273.783	291.477	E3	-6.5	102
5	T	2,4,6-Trinitrotoluene	365.295	366.490	E3	-0.3	100
6	T	4-Amino-2,6-Dinitrotoluene	288.885	259.681	E3	10.1	94
7	T	2,6-Dinitrotoluene	260.645	254.825	E3	2.2	100
8	T	4-Nitrotoluene	192.745	191.751	E3	0.5	102
9	M	RDX	188.524	173.022	E3	8.2	96
10	M	1,3-Dinitrobenzene	547.937	541.684	E3	1.1	101
11	M	Nitrobenzene	377.618	357.966	E3	5.2	100
12	M	2-Amino-4,6-Dinitrotoluene	392.935	372.081	E3	5.3	97
13	M	2,4-Dinitrotoluene	537.145	520.014	E3	3.2	99
14	M	2-Nitrotoluene	230.650	227.335	E3	1.4	101
15	M	3-Nitrotoluene	244.988	242.681	E3	0.9	101

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\092506\LCD33049.D Vial: 31
Acq On : 29 Sep 2006 00:11 Operator: AG
Sample : 8330MIX Inst : LCD
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 29 14:13 2006 Quant Results File: 6624833.RES

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Wed Jul 19 10:02:46 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

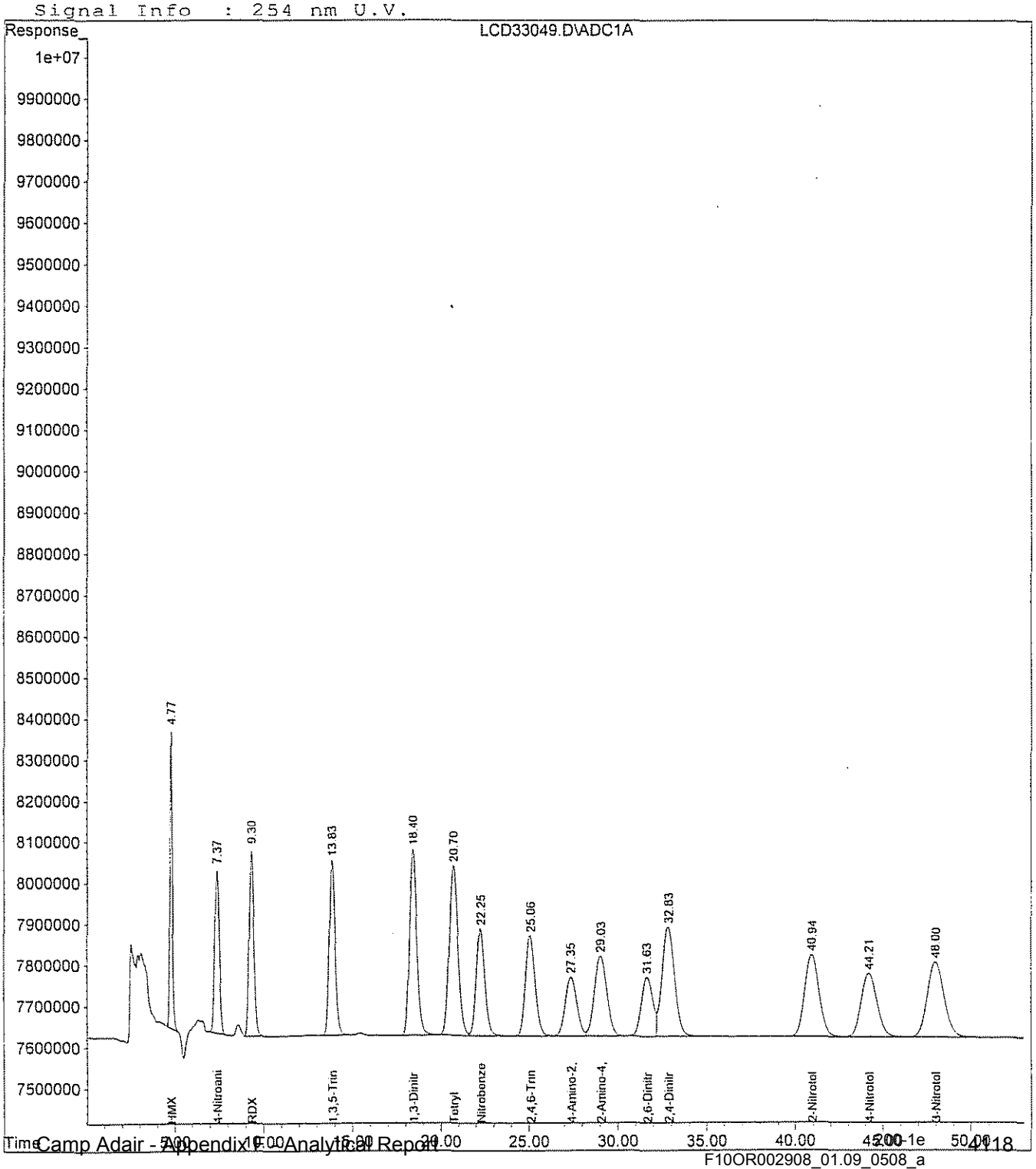
		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.37	67962909	508.090	ng/ml
Spiked Amount		300.000	Range 49 - 133	Recovery	= 169.36%#	
Target Compounds						
1)	T	HMX	4.77	71886085	482.971	ng/mlm
3)	T	1,3,5-Trinitrobenzene	13.83	99084877	250.415	ng/ml
4)	T	Tetryl	20.70	145738702	532.315	ng/ml
5)	T	2,4,6-Trinitrotoluene	25.06	91622515	250.818	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	27.36	64920126	224.726	ng/ml
7)	T	2,6-Dinitrotoluene	31.64	63706276	244.417	ng/ml
8)	T	4-Nitrotoluene	44.20f	95875731	497.421	ng/ml
9)	M	RDX	9.30	86510949	458.887	ng/ml
10)	M	1,3-Dinitrobenzene	18.40	135421085	247.147	ng/ml
11)	M	Nitrobenzene	22.25	89491407	236.990	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	29.03	93020319	236.732	ng/ml
13)	M	2,4-Dinitrotoluene	32.83	130003588	242.027	ng/ml
14)	M	2-Nitrotoluene	40.94f	113667410	492.813	ng/ml
15)	M	3-Nitrotoluene	48.00f	121340588	495.291	ng/ml

Quantitation Report

Data File : H:\LCDATA\LCD\092506\LCD33049.D Vial: 31
Acq On : 29 Sep 2006 00:11 Operator: AG
Sample : 8330MIX Inst : LCD
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 29 14:13 2006 Quant Results File: 6624833.RES

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Wed Jul 19 10:02:46 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



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Continuing Calibration Report LCD

Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Sat Sep 30 12:45:21 2006
Response via : Initial Calibration

Continuing Calibration File: LCD33036.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	148.841	144.028	E3	3.2	101
2	S	4-Nitroaniline	133.762	137.060	E3	-2.5	100
3	T	1,3,5-Trinitrobenzene	395.682	399.036	E3	-0.8	103
4	T	Tetryl	273.783	293.370	E3	-7.2	103
5	T	2,4,6-Trinitrotoluene	365.295	371.438	E3	-1.7	101
6	T	4-Amino-2,6-Dinitrotoluene	288.885	264.537	E3	8.4	95
7	T	2,6-Dinitrotoluene	260.645	256.730	E3	1.5	101
8	T	4-Nitrotoluene	192.745	190.767	E3	1.0	101
9	M	RDX	188.524	173.602	E3	7.9	96
10	M	1,3-Dinitrobenzene	547.937	545.064	E3	0.5	102
11	M	Nitrobenzene	377.618	354.929	E3	6.0	99
12	M	2-Amino-4,6-Dinitrotoluene	392.935	379.268	E3	3.5	99
13	M	2,4-Dinitrotoluene	537.145	524.497	E3	2.4	100
14	M	2-Nitrotoluene	230.650	226.523	E3	1.8	101
15	M	3-Nitrotoluene	244.988	244.183	E3	0.3	101

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\092506\LCD33036.D Vial: 18
Acq On : 28 Sep 2006 11:46 Operator: AG
Sample : 8330MIX Inst : LCD
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 28 14:45 2006 Quant Results File: 6624833.RES

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Wed Jul 19 10:02:46 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.35	68529856	512.329	ng/ml
Spiked Amount		300.000	Range 49 - 133	Recovery	= 170.78%#	
Target Compounds						
1)	T	HMX	4.76	72013810	483.829	ng/mlm
3)	T	1,3,5-Trinitrobenzene	13.79	99758974	252.119	ng/ml
4)	T	Tetryl	20.59	146685107	535.772	ng/ml
5)	T	2,4,6-Trinitrotoluene	24.93	92859446	254.204	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	27.17	66134320	228.929	ng/ml
7)	T	2,6-Dinitrotoluene	31.44	64182498	246.245	ng/ml
8)	T	4-Nitrotoluene	43.92	95383645	494.868	ng/ml
9)	M	RDX	9.28	86801190	460.426	ng/ml
10)	M	1,3-Dinitrobenzene	18.33	136266039	248.689	ng/ml
11)	M	Nitrobenzene	22.14	88732235	234.979	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	28.82	94816890	241.304	ng/ml
13)	M	2,4-Dinitrotoluene	32.63	131124195	244.113	ng/ml
14)	M	2-Nitrotoluene	40.69	113261680	491.054	ng/ml
15)	M	3-Nitrotoluene	47.69	122091346	498.356	ng/ml

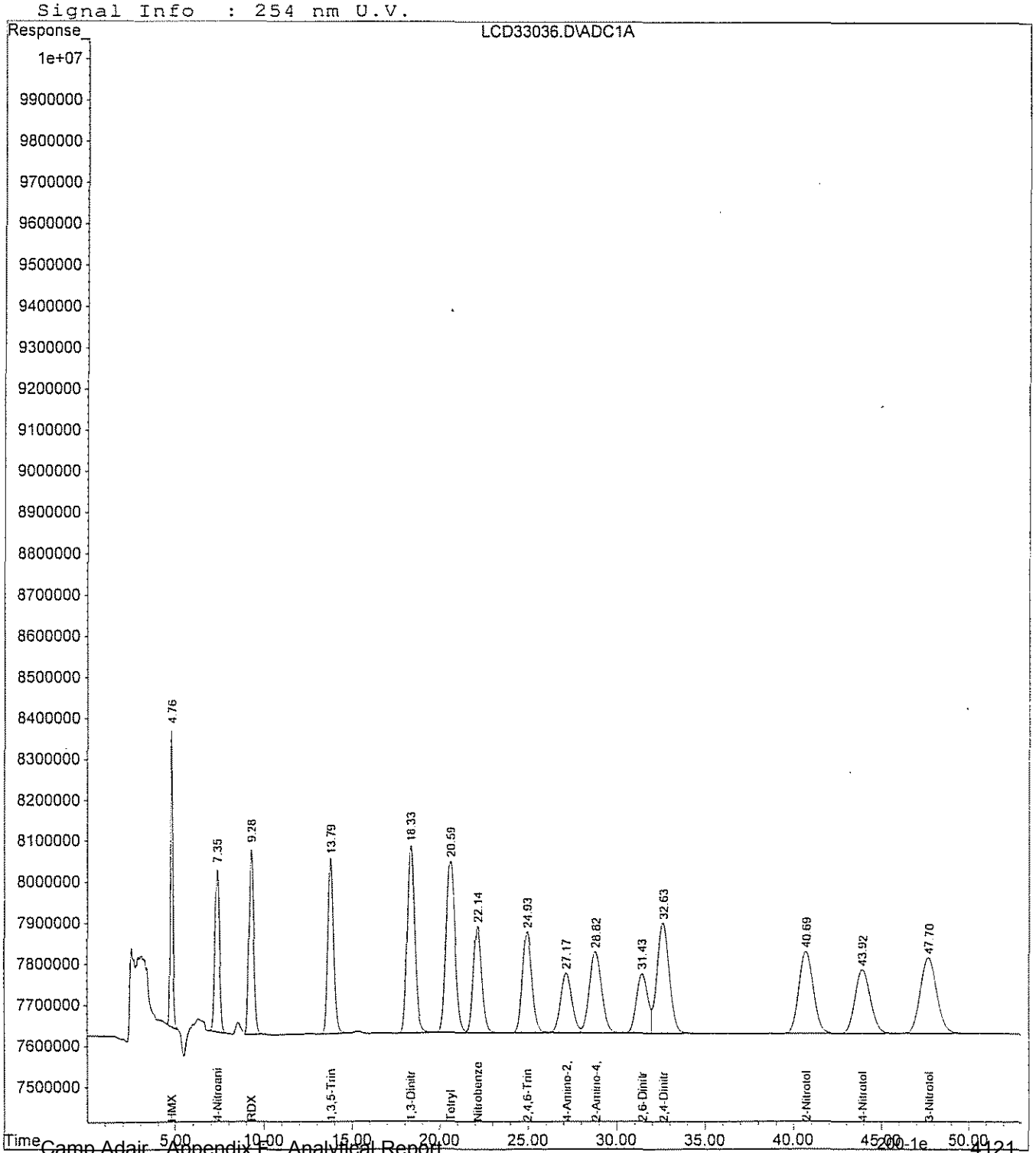
Quantitation Report

Data File : H:\LCDATA\LCD\092506\LCD33036.D
Acq On : 28 Sep 2006 11:46
Sample : 8330MIX
Misc : CCAL
IntFile : events.e
Quant Time: Sep 28 14:45 2006 Quant Results File: 6624833.RES

Vial: 18
Operator: AG
Inst : LCD
Multiplr: 1.00

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Wed Jul 19 10:02:46 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Continuing Calibration Report LCD

Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Sat Sep 30 12:45:03 2006
Response via : Initial Calibration

Continuing Calibration File: LCD33023.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	148.841	141.918	E3	4.7	100
2	S	4-Nitroaniline	133.762	134.120	E3	-0.3	98
3	T	1,3,5-Trinitrobenzene	395.682	396.278	E3	-0.2	102
4	T	Tetryl	273.783	292.537	E3	-6.8	102
5	T	2,4,6-Trinitrotoluene	365.295	367.405	E3	-0.6	100
6	T	4-Amino-2,6-Dinitrotoluene	288.885	258.314	E3	10.6	93
7	T	2,6-Dinitrotoluene	260.645	256.262	E3	1.7	101
8	T	4-Nitrotoluene	192.745	196.959	E3	-2.2	104
9	M	RDX	188.524	172.105	E3	8.7	96
10	M	1,3-Dinitrobenzene	547.937	542.114	E3	1.1	101
11	M	Nitrobenzene	377.618	359.019	E3	4.9	100
12	M	2-Amino-4,6-Dinitrotoluene	392.935	373.672	E3	4.9	98
13	M	2,4-Dinitrotoluene	537.145	520.669	E3	3.1	99
14	M	2-Nitrotoluene	230.650	228.489	E3	0.9	102
15	M	3-Nitrotoluene	244.988	246.514	E3	-0.6	102

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LCD33023.D 6624833.M Sat Sep 30 12:45:06 2006 A Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\092506\LCD33023.D Vial: 5
Acq On : 27 Sep 2006 23:04 Operator: AG
Sample : 8330MIX Inst : LCD
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 28 10:48 2006 Quant Results File: 6624833.RES

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Wed Jul 19 10:02:46 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

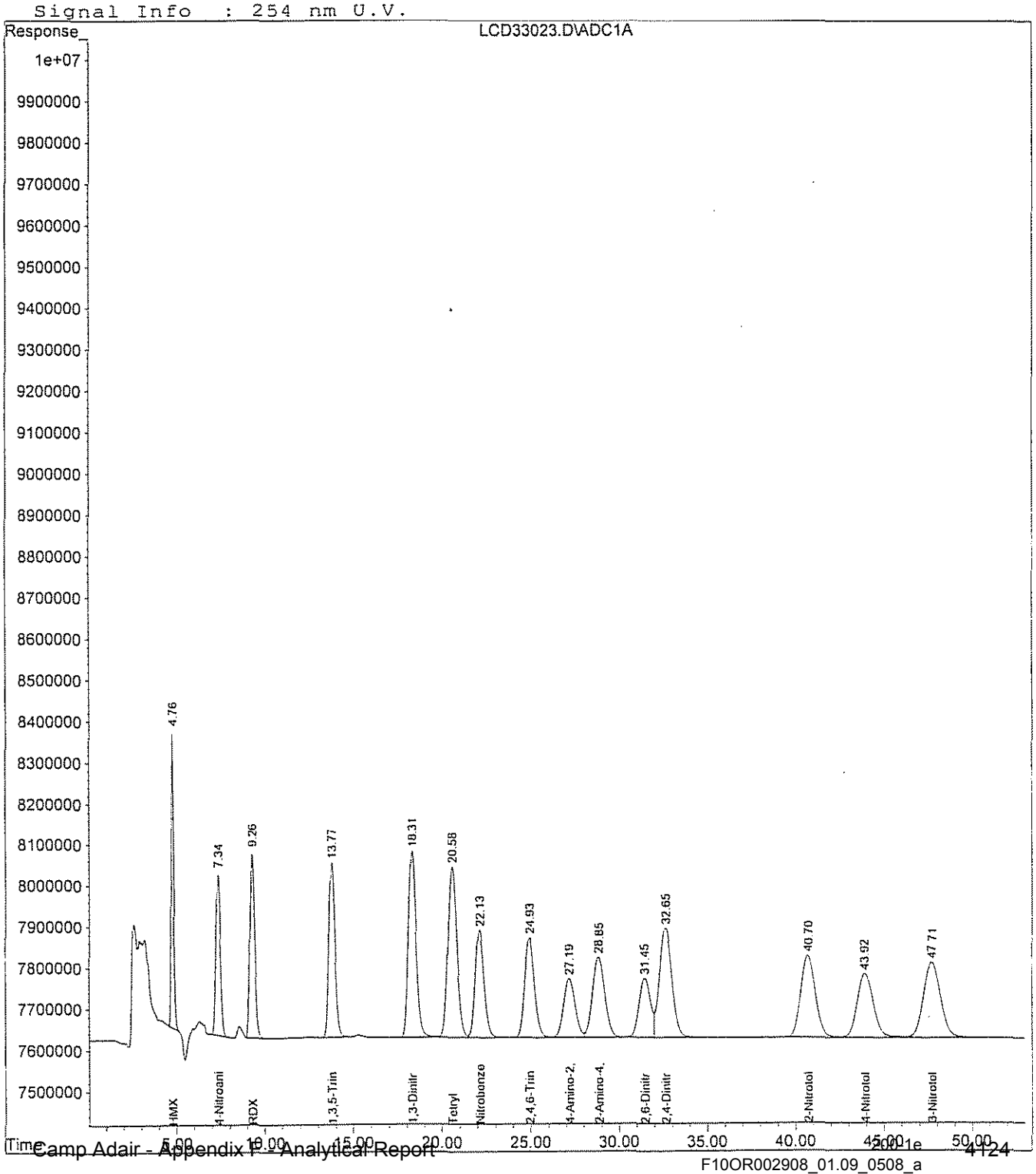
		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.34	67060144	501.341	ng/ml
Spiked Amount		300.000	Range 49 - 133	Recovery	= 167.11%#	
Target Compounds						
1)	T	HMX	4.76	70958906	476.742	ng/mlm
3)	T	1,3,5-Trinitrobenzene	13.78	99069569	250.377	ng/ml
4)	T	Tetryl	20.58	146268324	534.249	ng/ml
5)	T	2,4,6-Trinitrotoluene	24.93	91851211	251.444	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	27.19	64578568	223.544	ng/ml
7)	T	2,6-Dinitrotoluene	31.46	64065563	245.796	ng/ml
8)	T	4-Nitrotoluene	43.94	98479582	510.931	ng/ml
9)	M	RDX	9.26	86052305	456.454	ng/ml
10)	M	1,3-Dinitrobenzene	18.31	135528515	247.343	ng/ml
11)	M	Nitrobenzene	22.13	89754776	237.687	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	28.85	93417999	237.744	ng/ml
13)	M	2,4-Dinitrotoluene	32.65	130167216	242.332	ng/ml
14)	M	2-Nitrotoluene	40.70	114244685	495.316	ng/ml
15)	M	3-Nitrotoluene	47.71	123257120	503.114	ng/ml

Quantitation Report

Data File : H:\LCDATA\LCD\092506\LCD33023.D Vial: 5
Acq On : 27 Sep 2006 23:04 Operator: AG
Sample : 8330MIX Inst : LCD
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 28 10:48 2006 Quant Results File: 6624833.RES

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Wed Jul 19 10:02:46 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Continuing Calibration Report LCD

Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Sep 30 12:43:49 2006
Response via : Initial Calibration

Continuing Calibration File: LCD33037.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-NITROANILINE	141.012	112.551	E3	20.2#	82
2	M	NITROGLYCERINE	2.051	2.037	E6	0.7	99

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\092506\0925NG\LCD33037.D Vial: 19
Acq On : 28 Sep 2006 12:43 Operator: AG
Sample : 8330NG Inst : LCD
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 28 14:46 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

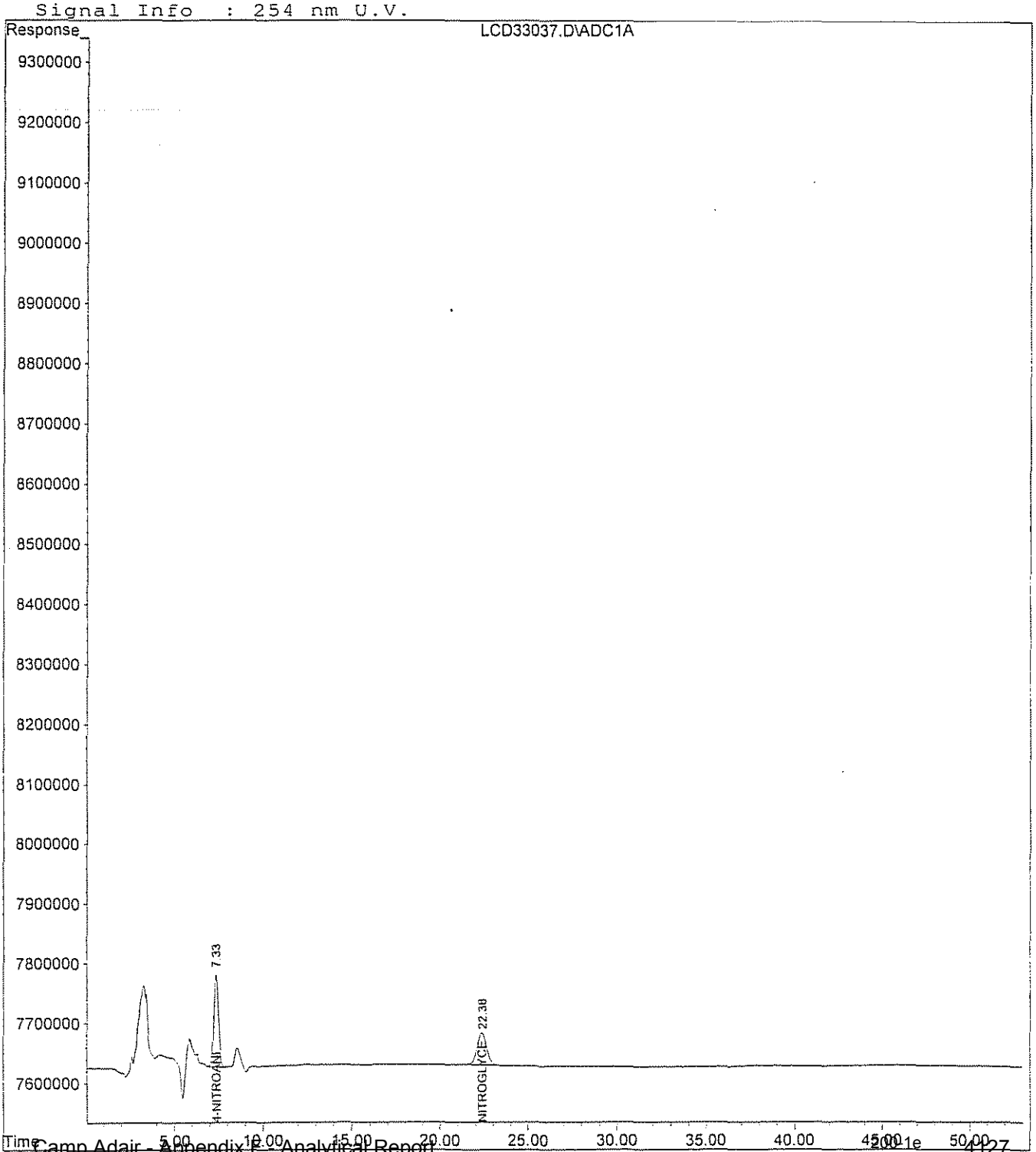
Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	7.33	28137639	199.541	PPB	m
Spiked Amount 300.000		Recovery =	66.51%		
Target Compounds					
2) M NITROGLYCERINE	22.38	20366235	9.930	PPM	m

Quantitation Report

Data File : H:\LCDATA\LCD\092506\0925NG\LCD33037.D Vial: 19
Acq On : 28 Sep 2006 12:43 Operator: AG
Sample : 8330NG Inst : LCD
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 28 14:46 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Continuing Calibration Report LCD

Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Sep 30 12:43:20 2006
Response via : Initial Calibration

Continuing Calibration File: LCD33024.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-NITROANILINE	141.012	110.100	E3	21.9#	80
2	M	NITROGLYCERINE	2.051	1.999	E6	2.5	97

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\092506\0925NG\LCD33024.D Vial: 6
Acq On : 28 Sep 2006 00:02 Operator: AG
Sample : 8330NG Inst : LCD
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 28 10:50 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.34	27524955	195.196 PPB
Spiked Amount 300.000		Recovery =	65.07%
Target Compounds			
2) M NITROGLYCERINE	22.38	19992851	9.748 PPM

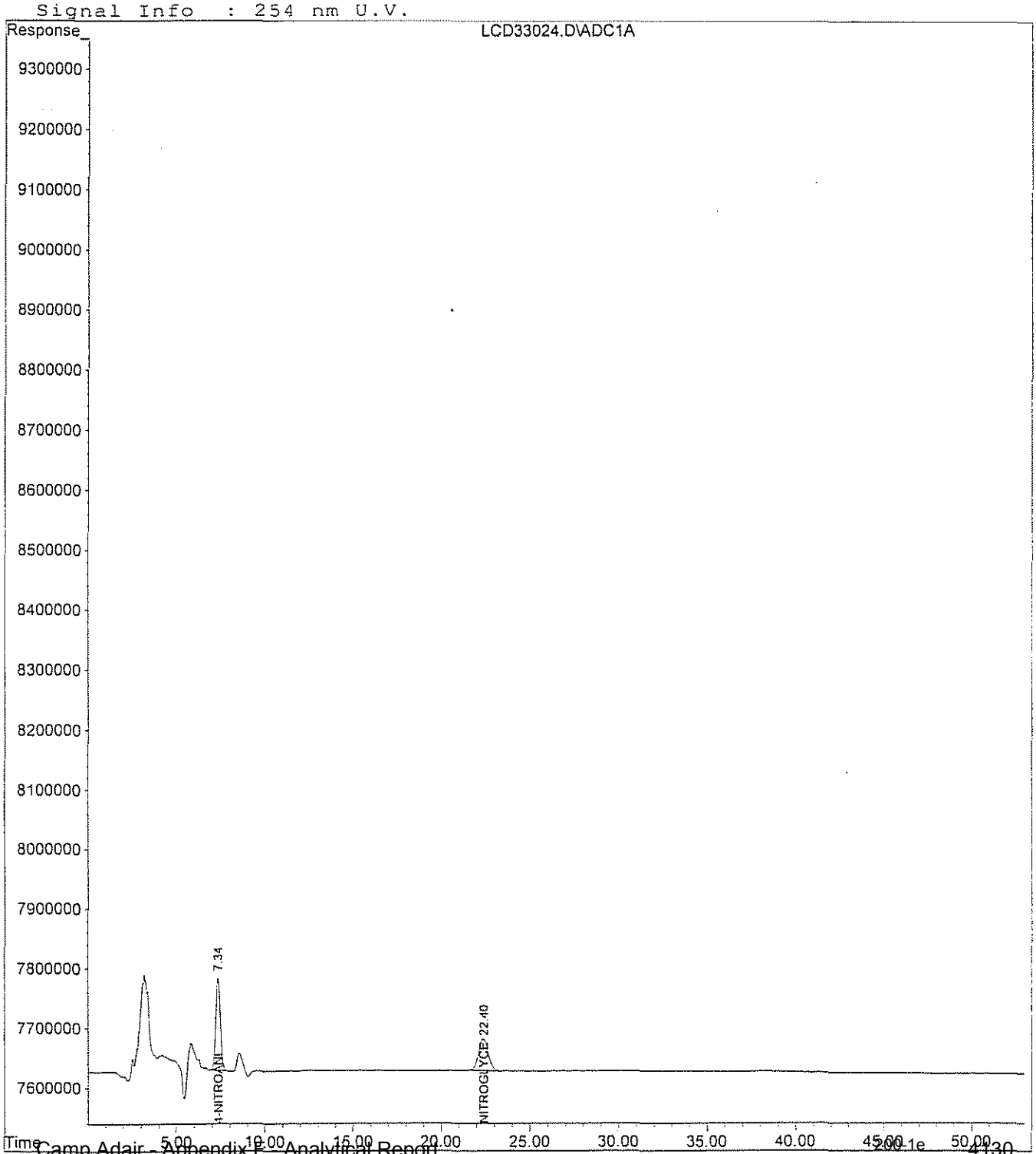
(f)=RT Delta > 1/2 Window (m)=manual int.
LCD33024.D 6818NGPT.M Sat Sep 30 12:43:31 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCD\092506\0925NG\LCD33024.D Vial: 6
Acq On : 28 Sep 2006 00:02 Operator: AG
Sample : 8330NG Inst : LCD
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 28 10:50 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Continuing Calibration Report LCD

Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Sep 30 12:44:24 2006
Response via : Initial Calibration

Continuing Calibration File: LCD33050.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-NITROANILINE	141.012	104.507	E3	25.9#	76
2	M	NITROGLYCERINE	2.051	1.762	E6	14.1	85

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\092506\0925NG\LCD33050.D Vial: 32
Acq On : 29 Sep 2006 1:09 Operator: AG
Sample : 8330NG Inst : LCD
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 29 14:15 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	7.38	26126643	185.280	PPB	m
Spiked Amount 300.000		Recovery =	61.76%		
Target Compounds					
2) M NITROGLYCERINE	22.50	17616795	8.589	PPM	m

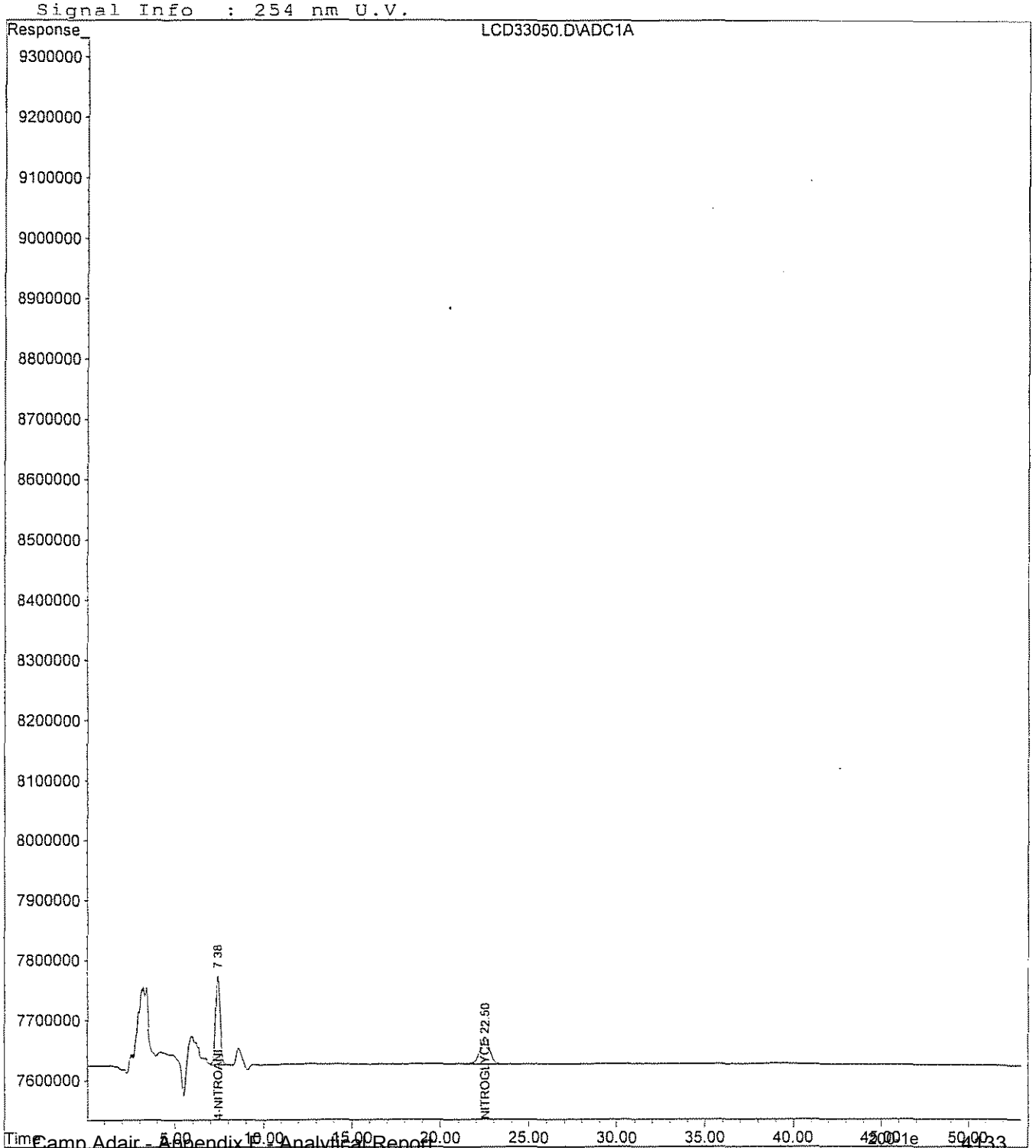
(f)=RT Delta > 1/2 Window (m)=manual int.
LCD33050.D 6818NGPT.M Sat Sep 30 12:44:33 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCD\092506\0925NG\LCD33050.D Vial: 32
Acq On : 29 Sep 2006 1:09 Operator: AG
Sample : 8330NG Inst : LCD
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 29 14:15 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



D. Raw QC Data

1. Blank Data
2. Matrix Spike Data
3. Matrix Spike Duplicate Data
4. Laboratory Control Standard Data (where applicable)
5. Extraction Logsheet
6. Injection Logsheet

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK93852

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK93852
Sample Volume :	1000	Lab File ID :	LCD33030.D
% Moisture:		Date Received	
Extraction:	SW3535	Date Extracted:	09/20/2006
Extract Volume:	20 mL	Date Analyzed	09/28/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.20	U
118-96-7	2,4,6-Trinitrotoluene	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.20	U
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.20	U
2691-41-0	HMX	0.40	U
98-95-3	Nitrobenzene	0.20	U
121-82-4	RDX	0.40	U
479-45-8	Tetryl	0.40	U
99-08-1	m-Nitrotoluene	0.40	U
88-72-2	o-Nitrotoluene	0.40	U
99-99-0	p-Nitrotoluene	0.40	U

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK93854

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK93854
Sample Volume :	1000	Lab File ID :	LCD33030.D
% Moisture:		Date Received	
Extraction:	EXT_SW8330	Date Extracted:	09/20/2006
Extract Volume:	20 mL	Date Analyzed	09/28/2006
Injection Volume :	100 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	20	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\092506\LCD33030.D Vial: 12
Acq On : 28 Sep 2006 5:46 am Operator: AG
Sample : BLK93852 Inst : LCD
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 30 12:23 2006 Quant Results File: 6624833.RES

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Wed Jul 19 10:02:46 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

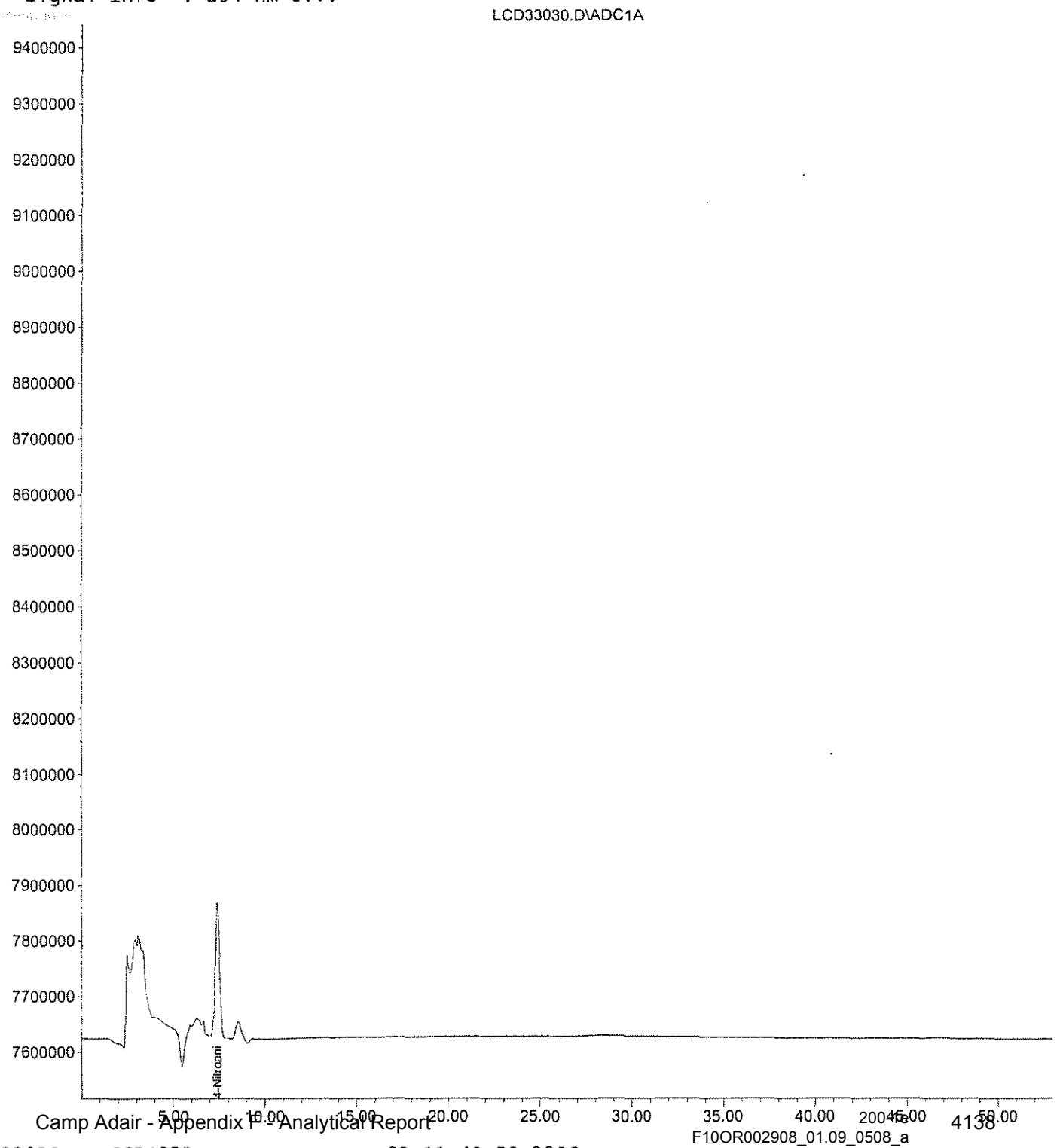
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
2) S 4-Nitroaniline	7.38	40027551	299.246	ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 99.75%				
Target Compounds				
1) T HMX	0.00	0	N.D.	ng/ml
3) T 1,3,5-Trinitrobenzene	0.00	0	N.D.	ng/ml
4) T Tetryl	0.00	0	N.D.	ng/ml
5) T 2,4,6-Trinitrotoluene	0.00	0	N.D.	ng/ml
6) T 4-Amino-2,6-Dinitrotoluene	0.00	0	N.D.	ng/ml
7) T 2,6-Dinitrotoluene	0.00	0	N.D.	ng/ml
8) T 4-Nitrotoluene	0.00	0	N.D.	ng/ml
9) M RDX	0.00	0	N.D.	ng/ml
10) M 1,3-Dinitrobenzene	0.00	0	N.D.	ng/ml
11) M Nitrobenzene	0.00	0	N.D.	ng/ml
12) M 2-Amino-4,6-Dinitrotoluene	0.00	0	N.D.	ng/ml
13) M 2,4-Dinitrotoluene	0.00	0	N.D.	ng/ml
14) M 2-Nitrotoluene	0.00	0	N.D.	ng/ml
15) M 3-Nitrotoluene	0.00	0	N.D.	ng/ml

Quantitation Report

Data File : H:\LCDATA\LCD\092506\LCD33030.D Vial: 12
Acq On : 28 Sep 2006 5:46 am Operator: AG
Sample : BLK93852 Inst : LCD
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 30 12:23 2006 Quant Results File: 6624833.RES

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Wed Jul 19 10:02:46 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\092506\0925NG\LCD33030.D Vial: 12
Acq On : 28 Sep 2006 5:46 am Operator: AG
Sample : BLK93854 Inst : LCD
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 30 12:38 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.38	40030051	283.878 PPB
Spiked Amount 300.000		Recovery =	94.63%
Target Compounds			
2) M NITROGLYCERINE	0.00	0	N.D. PPM

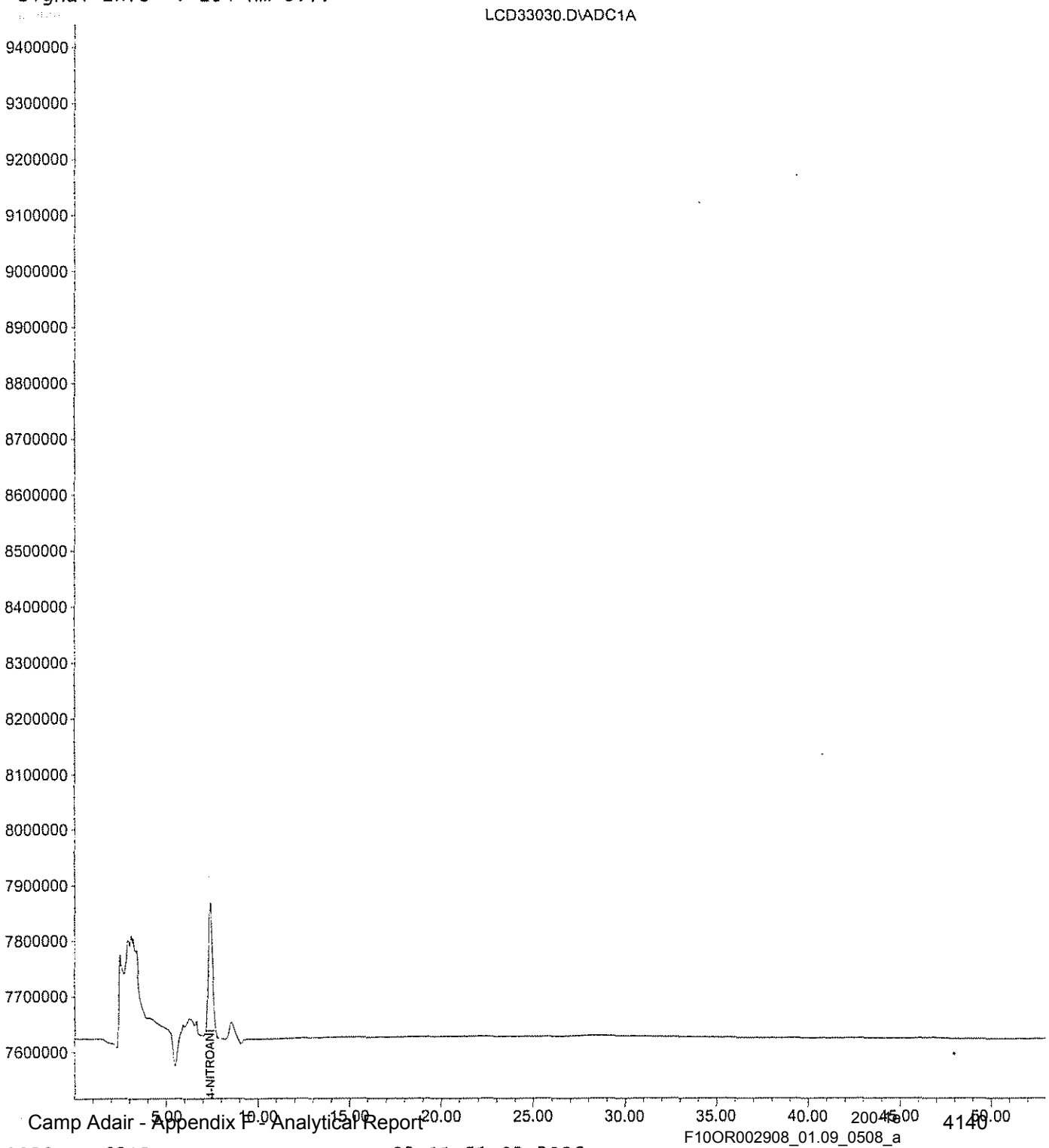
(f)=RT Delta > 1/2 Window (m)=manual int.
LCD33030.D 6818NGPT.M Tue Oct 03 11:51:01 2006 Page 1

Quantitation Report

Data File : H:\LCDATA\LCD\092506\0925NG\LCD33030.D Vial: 12
Acq On : 28 Sep 2006 5:46 am Operator: AG
Sample : BLK93854 Inst : LCD
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 30 12:38 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS93852

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKS93852
Sample Volume :	1000	Lab File ID :	LCD33031.D
% Moisture:		Date Received	
Extraction:	SW3535	Date Extracted:	09/20/2006
Extract Volume:	20 mL	Date Analyzed	09/28/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	3.1	
99-65-0	1,3-Dinitrobenzene	3.5	
118-96-7	2,4,6-Trinitrotoluene	3.5	
121-14-2	2,4-Dinitrotoluene	3.4	
606-20-2	2,6-Dinitrotoluene	3.5	
35572-78-2	2-Amino-4,6-Dinitrotoluene	3.4	
19406-51-0	4-Amino-2,6-Dinitrotoluene	3.2	
2691-41-0	HMX	3.5	
98-95-3	Nitrobenzene	3.3	
121-82-4	RDX	3.4	
479-45-8	Tetryl	3.2	
99-08-1	m-Nitrotoluene	3.4	
88-72-2	o-Nitrotoluene	3.5	
99-99-0	p-Nitrotoluene	3.4	

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\092506\LCD33031.D Vial: 13
Acq On : 28 Sep 2006 6:43 am Operator: AG
Sample : BKS93852 Inst : LCD
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 30 12:24 2006 Quant Results File: 6624833.RES

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Wed Jul 19 10:02:46 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

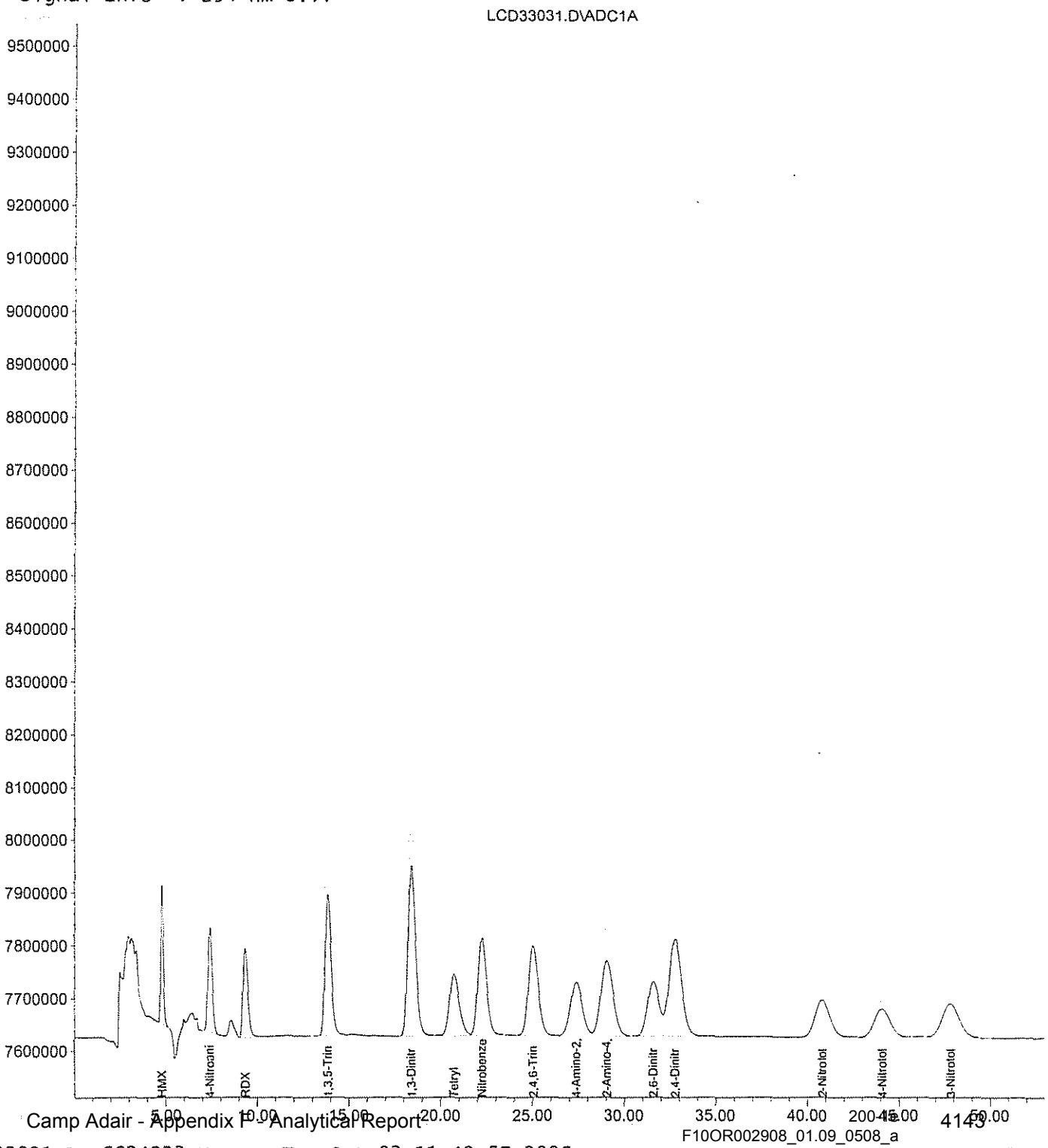
		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
2)	S	4-Nitroaniline	7.38	32214863	240.838 ng/ml
Spiked Amount		300.000	Range 49 - 133	Recovery	= 80.28%
Target Compounds					
1)	T	HMX	4.77	25985660	174.586 ng/mlm
3)	T	1,3,5-Trinitrobenzene	13.83	62074552	156.880 ng/ml
4)	T	Tetryl	20.71	43287068	158.107 ng/ml
5)	T	2,4,6-Trinitrotoluene	25.03	64370190	176.214 ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	27.38	46487120	160.919 ng/ml
7)	T	2,6-Dinitrotoluene	31.59	45867361	175.976 ng/ml
8)	T	4-Nitrotoluene	44.08	32454173	168.378 ng/ml
9)	M	RDX	9.32	32412380	171.927 ng/ml
10)	M	1,3-Dinitrobenzene	18.41	95652019	174.568 ng/ml
11)	M	Nitrobenzene	22.24	62062874	164.354 ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	29.04	67275062	171.212 ng/ml
13)	M	2,4-Dinitrotoluene	32.78	90373087	168.247 ng/ml
14)	M	2-Nitrotoluene	40.82	40001458	173.429 ng/ml
15)	M	3-Nitrotoluene	47.85	42275910	172.563 ng/ml

Quantitation Report

Data File : H:\LCDATA\LCD\092506\LCD33031.D Vial: 13
Acq On : 28 Sep 2006 6:43 am Operator: AG
Sample : BKS93852 Inst : LCD
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 30 12:24 2006 Quant Results File: 6624833.RES

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Wed Jul 19 10:02:46 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS93854

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKS93854
Sample Volume :	1000	Lab File ID :	LCD33033.D
% Moisture:		Date Received	
Extraction:	EXT_SW8330	Date Extracted:	09/20/2006
Extract Volume:	20 mL	Date Analyzed	09/28/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	81	

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\092506\0925NG\LCD33033.D Vial: 15
Acq On : 28 Sep 2006 8:38 am Operator: AG
Sample : BKS93854 Inst : LCD
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 30 12:39 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.35	30502225	216.310 PPB
Spiked Amount 300.000		Recovery =	72.10%
Target Compounds			
2) M NITROGLYCERINE	22.40	8293578	4.044 PPM m

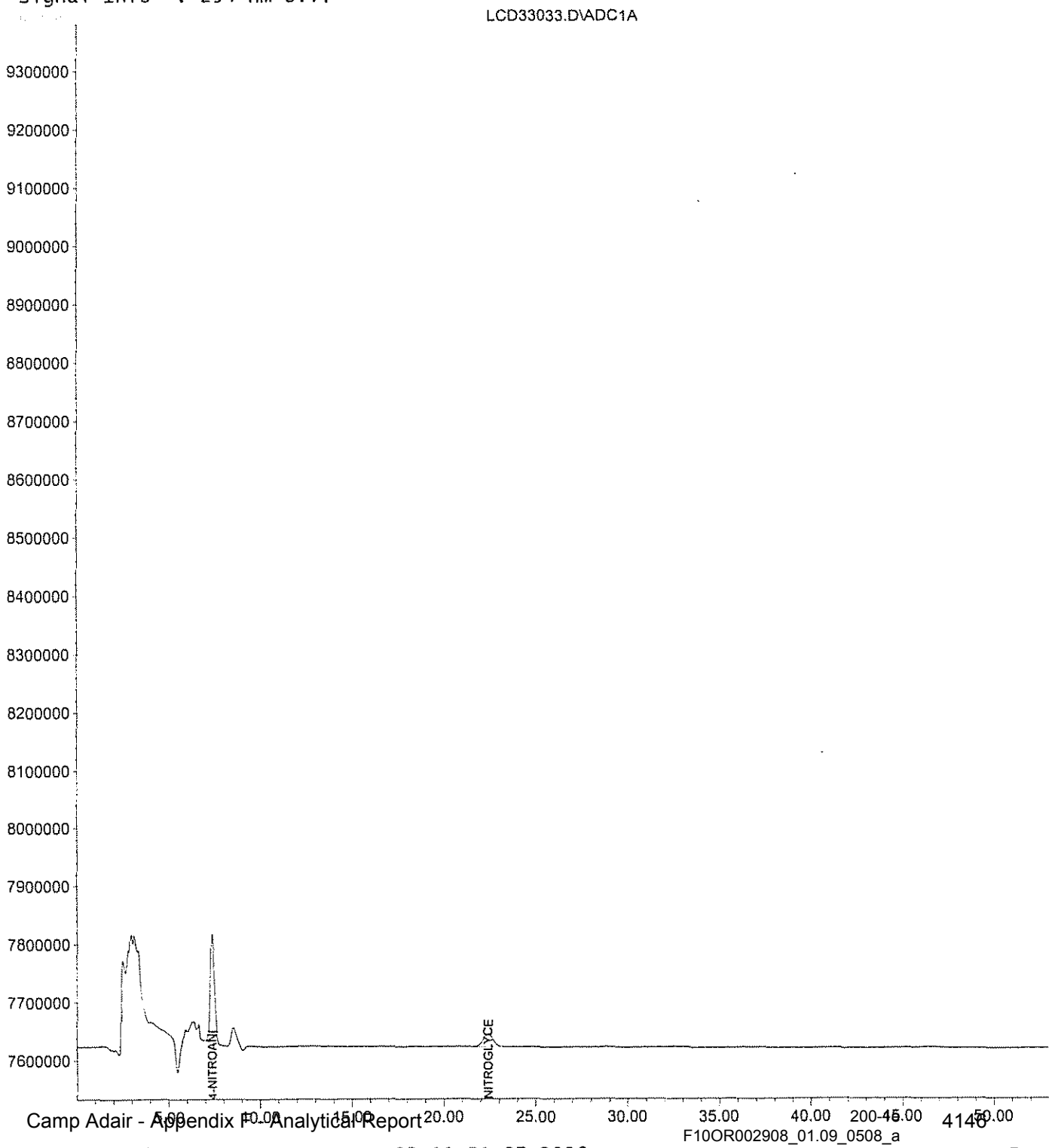
(f)=RT Delta > 1/2 Window (m)=manual int.
LCD33033.D 6818NGPT.M Tue Oct 03 11:51:06 2006 Page 1

Quantitation Report

Data File : H:\LCDATA\LCD\092506\0925NG\LCD33033.D Vial: 15
Acq On : 28 Sep 2006 8:38 am Operator: AG
Sample : BKS93854 Inst : LCD
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 30 12:39 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



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GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKSD93852

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKSD93852
Sample Volume :	1000	Lab File ID :	LCD33032.D
% Moisture:		Date Received	
Extraction:	SW3535	Date Extracted:	09/20/2006
Extract Volume:	20 mL	Date Analyzed	09/28/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	3.0	
99-65-0	1,3-Dinitrobenzene	3.4	
118-96-7	2,4,6-Trinitrotoluene	3.4	
121-14-2	2,4-Dinitrotoluene	3.2	
606-20-2	2,6-Dinitrotoluene	3.4	
35572-78-2	2-Amino-4,6-Dinitrotoluene	3.3	
19406-51-0	4-Amino-2,6-Dinitrotoluene	3.1	
2691-41-0	HMX	3.4	
98-95-3	Nitrobenzene	3.2	
121-82-4	RDX	3.3	
479-45-8	Tetryl	3.1	
99-08-1	m-Nitrotoluene	3.6	
88-72-2	o-Nitrotoluene	3.4	
99-99-0	p-Nitrotoluene	3.4	

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\092506\LCD33032.D Vial: 14
Acq On : 28 Sep 2006 7:41 am Operator: AG
Sample : BKSD93852 Inst : LCD
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 30 12:24 2006 Quant Results File: 6624833.RES

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Wed Jul 19 10:02:46 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
2)	S	4-Nitroaniline	7.37	34147226	255.284 ng/ml
Spiked Amount		300.000	Range 49 - 133	Recovery	= 85.09%
Target Compounds					
1)	T	HMX	4.76	25227919	169.495 ng/mlm
3)	T	1,3,5-Trinitrobenzene	13.81	60490805	152.877 ng/ml
4)	T	Tetryl	20.67	43086156	157.373 ng/ml
5)	T	2,4,6-Trinitrotoluene	25.00	62793607	171.899 ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	27.32	45162589	156.334 ng/ml
7)	T	2,6-Dinitrotoluene	31.57	44424439	170.440 ng/ml
8)	T	4-Nitrotoluene	44.10	32662178	169.458 ng/ml
9)	M	RDX	9.29	31161087	165.290 ng/ml
10)	M	1,3-Dinitrobenzene	18.37	92919446	169.581 ng/ml
11)	M	Nitrobenzene	22.20	60747417	160.870 ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	29.00	65224065	165.992 ng/ml
13)	M	2,4-Dinitrotoluene	32.76	87092416	162.139 ng/ml
14)	M	2-Nitrotoluene	40.83	39231842	170.092 ng/ml
15)	M	3-Nitrotoluene	47.86	44566423	181.912 ng/ml

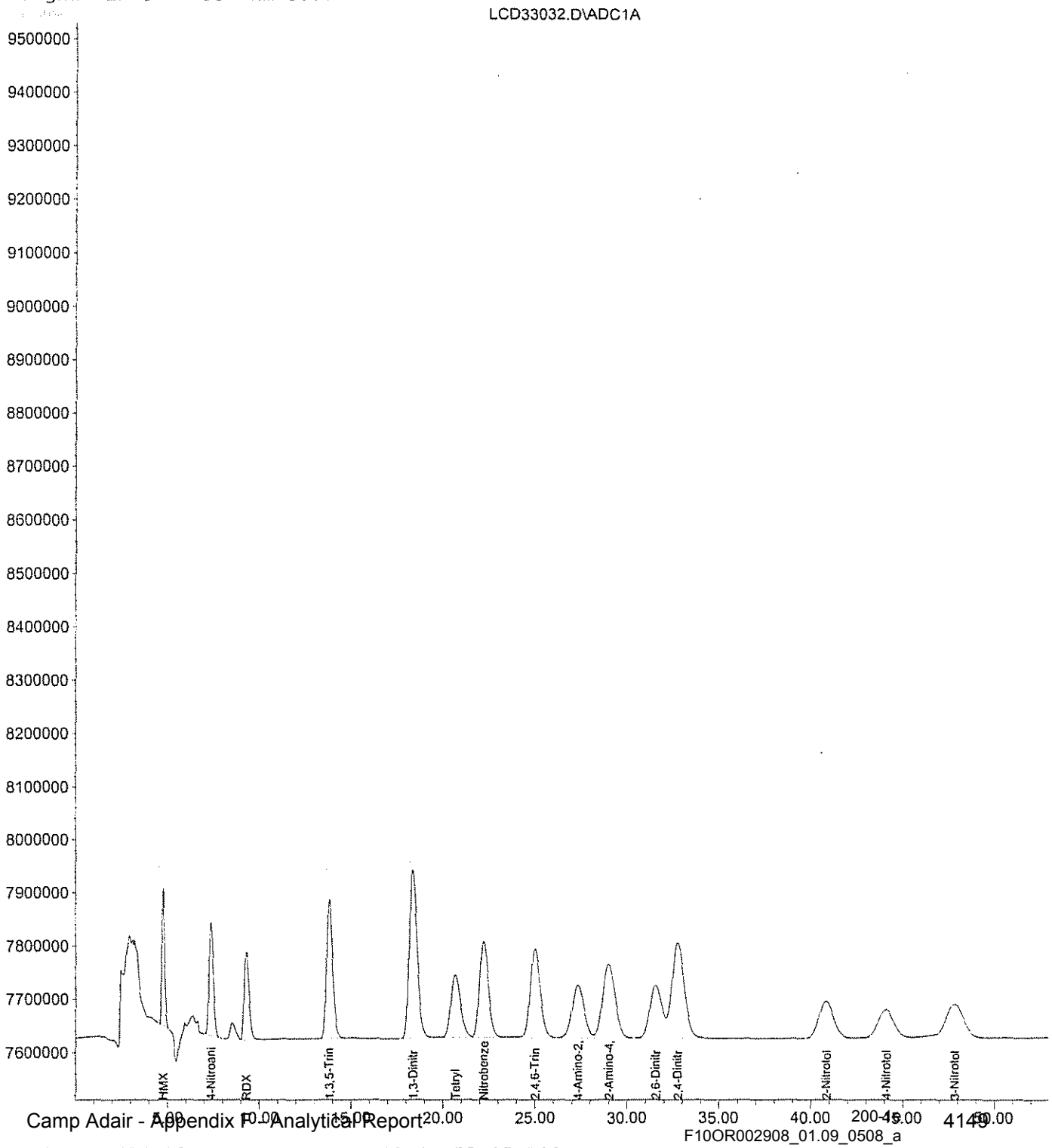
(f)=RT Delta > 1/2 Window (m)=manual int.
LCD33032.D 6624833.M Tue Oct 03 11:50:02 2006 Page 1

Quantitation Report

Data File : H:\LCDATA\LCD\092506\LCD33032.D Vial: 14
Acq On : 28 Sep 2006 7:41 am Operator: AG
Sample : BKSD93852 Inst : LCD
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 30 12:24 2006 Quant Results File: 6624833.RES

Quant Method : H:\LCDATA\LCD\METHODS\6624833.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Wed Jul 19 10:02:46 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LCD33032.D 6624833.M Tue Oct 03 11:50:05 2006 Page 2

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKSD93854

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKSD93854
Sample Volume :	1000	Lab File ID :	LCD33034.D
% Moisture:		Date Received	
Extraction:	EXT_SW8330	Date Extracted:	09/20/2006
Extract Volume:	20 mL	Date Analyzed	09/28/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	85	

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\092506\0925NG\LCD33034.D Vial: 16
Acq On : 28 Sep 2006 9:51 am Operator: AG
Sample : BKSD93854 Inst : LCD
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 30 12:39 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.34	34183198	242.414 PPB
Spiked Amount 300.000		Recovery =	80.80%
Target Compounds			
2) M NITROGLYCERINE	22.37	8689093	4.236 PPM m

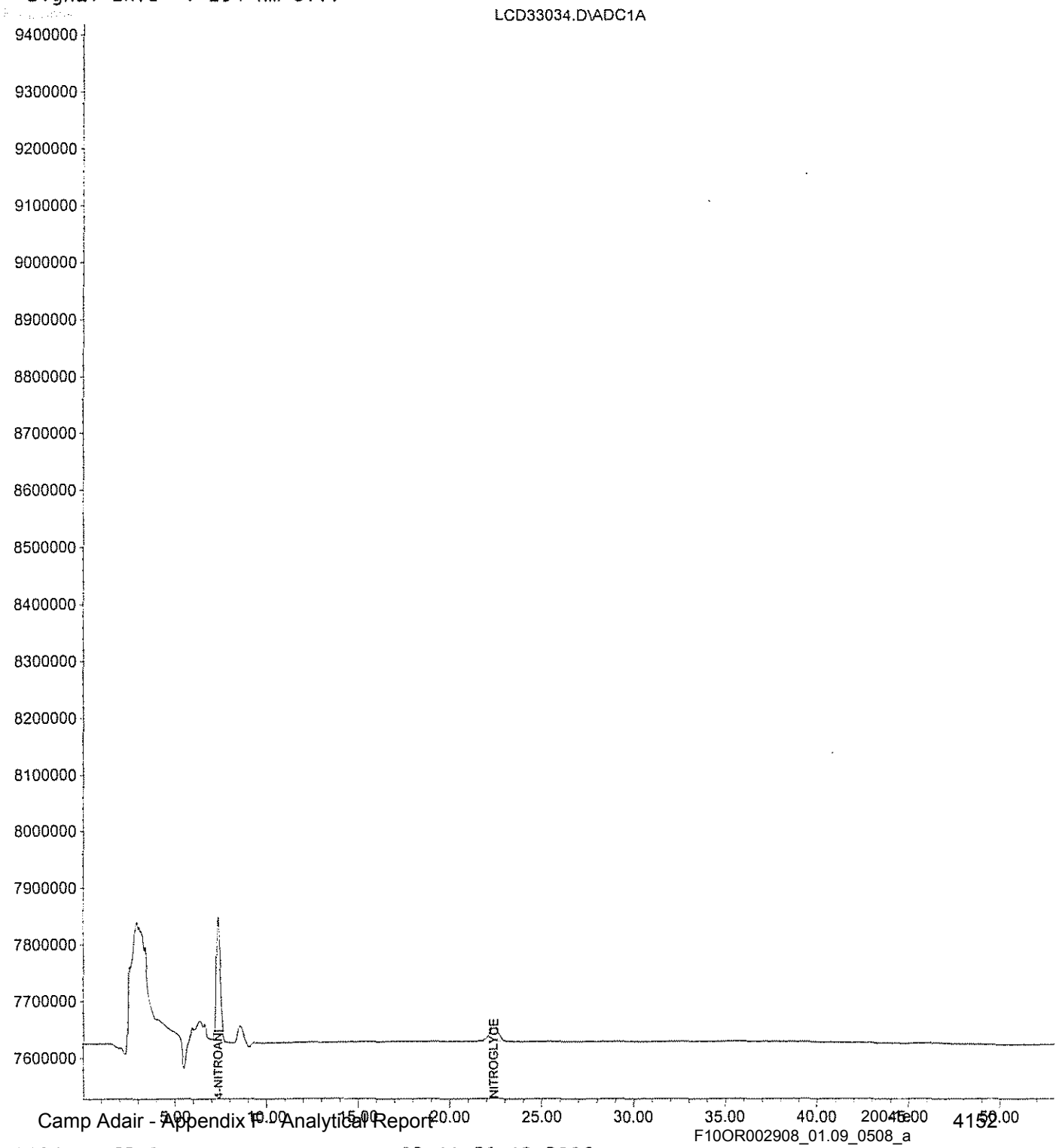
(f)=RT Delta > 1/2 Window (m)=manual int.
LCD33034.D 6818NGPT.M Tue Oct 03 11:51:10 2006 Page 1

Quantitation Report

Data File : H:\LCDATA\LCD\092506\0925NG\LCD33034.D Vial: 16
Acq On : 28 Sep 2006 9:51 am Operator: AG
Sample : BKSD93854 Inst : LCD
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 30 12:39 2006 Quant Results File: 6818NGPT.RES

Quant Method : H:\LCDATA\LCD\METHODS\6818NGPT.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sat Aug 19 10:09:12 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



EXPLOSIVES/NITROGUANIDINE /NITROGLYCERINE /PICRIC ACID /PETN EXTRACTION LOG

SOIL / WATER / WIPES

Approval / Date: DS 9/20/06 Client: Shaw

Analysis Method: 8330 + PETN + NG

Extraction Chemist: VT Date: 09/20/06 Spike Witness: NP

Work Order	Fraction	Sample Amount gram/mL	Surrogate Added, mL	Spike Added, mL	Final Volume, mL
609089	BLK	1000	1.0	—	2.0
	BKS1	1000		1.0 + 0.4	
	BKSD1	1000		↓	
	BKS2	1000		1.0 NG	
	BKSD2	1000		↓	
↓	003	950/1L		-	
609088	001	980/1L		-	
609093	002	950/1L		-	
↓	004	970/1L	↓	-	↓

VT 09/20/06

Solvent: Acetonitrile / DI Water

Solvent Lot #: 051296 Matrix Spike #: 37629 Matrix Spike Conc.: 5.0 PPM

Surrogate Solution #: 37212 Matrix Spike #: 37353 PETN Matrix Spike Conc.: 10.0 PPM

Surrogate Conc.(s): 6 PPM Matrix Spike #: 37354 Matrix Spike Conc.: 100 PPM.

Calcium Chloride#: — Sodium Sulfate#: — Sand#:

Sodium Chloride#: —

Comments & Observations: All Samples filtered HOIC Sa

xenco 93852 for 8330 W for 609089, 609088, 609093
xenco 93853 for Petn W for WO 609089, 609093
xenco 93854 for 8330 NG W for 609089, 609093

GPL Laboratories, LLLP *Document Control No: GP_L_073*

LCD D

HPLC ANALYSIS LOGBOOK

Instrument ID: LC # D (HP1100)

8330 6624833o

Method File: h:\lcdata\lcd\methods	Data File Path: h:\lcdata\lcd\062406
Detector/ Wavelength: UV 254 nm	Mobile Phase: 8330 - 449-58-22
Injection Volume: 100 ul	Flow Rate: 0.9 ml/min

ICAL: 6624833 H Analyst: S.S Reviewed by: AG Date: 09/12/06

File	Lab ID	Date	Dilution	Column	Matrix	Comments
LCD 3 1115	8330 mix - BLK	06/24/06	1	C8	e Cal	
LCD 16	-LEV1					
LCD 17	-LEV2					
LCD 18	-LEV3					
LCD 19	-LEV4					
LCD 20	-LEV-5					
LCD 21	-LEV6					
LCD 22	-ICV					
LCD 23	8330 mix					
LCD 24	BLK82247				Soil	
LCD 25	BKS					
LCD 26	606142-001-001-X,MS					
LCD 27	-001-001-X,MSD					
LCD 28	-001-001-X	06/25/06				
LCD 29	-002-002-X					
LCD 30	-003-003-X					
LCD 31	-004-004-X					
LCD 32	-005-005-X					
LCD 33	-006-006-X					
LCD 34	8330 mix				STD	
LCD 35	606142-007-007-X				Soil	
LCD 36	-008-008-X					
LCD 37	-009-009-X					
LCD 38	-010-010-X					
LCD 39	-012-012-X					
LCD 40	-012-012-X					
LCD 41	-013-013-X					

Remarks	Standard	Solution ID	Conc.	Date Prep.
8330 (W) 91650	8330 mix	37204	10/20 ppm	06/19/06
8330 (S) 90760	ICU #	36432	10/20 PPM	03/09/06
8330A 899235				
8330A 90745 W				

GPL Laboratories, LLLP *Document Control No: GP_L_073*

LCD P

HPLC ANALYSIS LOGBOOK

Instrument ID: LC # D (HP1100)

NG 6818NGPT

Method File: h:\lcdata\lcd\methods	Data File Path: h:\lcdata\lcd\0818
Detector/ Wavelength: UV 254 nm	Mobile Phase:
Injection Volume: 100 ul	Flow Rate: 0.9 ml/min

ICAL: 6818NGPT Analyst: AG Reviewed by: ST Date: 09/12/06

File	Lab ID	Date	Dilution	Column	Matrix	Comments
LCD						
LCD						
LCD						
LCD						
LCD						
LCD						
LCD						
LCD						
LCD						
LCD						
LCD						
LCD						
LCD						
LCD	This curve was run before on 09/15/06					
LCD						
LCD						
LCD						
LCD						
LCD						
LCD						
LCD						
LCD						
LCD						
LCD						
LCD						
LCD						

Injection Log

Directory: h:\lcdata\lcd\081806

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	lcd32276.d	1.	BLK	ICAL	18 Aug 106 12::3
2	2	lcd32277.d	1.	NG/PETN-BLK	ICAL	18 Aug 106 12::3
3	3	lcd32278.d	1.	NG/PETN-LEV1	ICAL	18 Aug 106 13::3
4	4	lcd32279.d	1.	NG/PETN-LEV2	ICAL	18 Aug 106 13::2
5	5	lcd32280.d	1.	NG/PETN-LEV3	ICAL	19 Aug 106 13::2
6	6	lcd32281.d	1.	NG/PETN-LEV4	ICAL	19 Aug 106 12::2
7	7	lcd32282.d	1.	NG/PETN-LEV5	ICAL	19 Aug 106 12::2

Remarks	Standard	Solution ID	Conc.	Date Prep.
~~I# 91723 NG (S)~~ AG	09/13/06			
I # 91724 NG (S)	8330 NG	37153	100 ppm	06/15/06
	4-nitro aniline	37239	10 ppm	06/24/06

HPLC ANALYSIS LOGBOOK

Instrument ID: LC # D (HP1100)

Method File: h:\lcdata\lcd\methods	Data File Path: h:\lcdata\lcd\072506
Detector/ Wavelength: UV 254 nm	Mobile Phase: 8330
Injection Volume: 100 mL	Flow Rate: 0.9 mL/min

ICAL: 6624833 Analyst: AG Reviewed by: S.S. Date: 10/2/06

File			Lab ID		Date	Dilution	Column	Matrix	Comments
LCD	40	40	lcd32997.d	1.	8330MIX		CCAL		26 Sep 106 12::
	41	41	lcd32998.d	1.	8330NG		CCAL		26 Sep 106 13::
LCD	42	42	lcd32999.d	1.	609057-001-004-1/1MSD		SOIL		26 Sep 106 13::
	43	43	lcd33000.d	1.	BKS93821		SOIL		27 Sep 106 13::
LCD	44	44	lcd33001.d	1.	609057-001-004-1/1MS		SOIL		27 Sep 106 12::
	45	45	lcd33002.d	1.	609057-001-004-1/1MSD		SOIL		27 Sep 106 12::
LCD	46	46	lcd33003.d	1.	609057-001-004-1/1		SOIL		27 Sep 106 12::
	47	47	lcd33004.d	1.	609055-004-021-1/1		SOIL		27 Sep 106 12::
LCD	48	48	lcd33005.d	1.	609055-005-062-1/1		SOIL		27 Sep 106 12::
	49	49	lcd33006.d	1.	609055-005-062-1/1MS		SOIL		27 Sep 106 12::
LCD	50	50	lcd33007.d	1.	609055-005-062-1/1MSD		SOIL		27 Sep 106 12::
	51	51	lcd33008.d	1.	609055-006-022-1/1		SOIL		27 Sep 106 12::
LCD	52	52	lcd33009.d	1.	BLK		ACN		27 Sep 106 12::
	53	53	lcd33010.d	1.	8330MIX		CCAL		27 Sep 106 13::
LCD	54	54	lcd33011.d	1.	8330NG		CCAL		27 Sep 106 13::
	55	55	lcd33012.d	1.	609055-007-023-1/1		SOIL		27 Sep 106 13::
LCD	56	56	lcd33013.d	1.	609055-008-024-1/1		SOIL		27 Sep 106 12::
	57	57	lcd33014.d	1.	609055-009-025-1/1		SOIL		27 Sep 106 12::
LCD									
	Line	Vial	FileName	Multiplier	SampleName		Misc Info		Injected
LCD	58	58	lcd33015.d	1.	609055-010-026-1/1		SOIL		27 Sep 106 12::
	59	59	lcd33016.d	1.	609055-012-027-1/1		SOIL		27 Sep 106 12::
LCD	60	60	lcd33017.d	1.	609055-013-020-1/1		SOIL		27 Sep 106 12::
	61	61	lcd33018.d	1.	609060-005-057-1/2		SOIL		27 Sep 106 12::
LCD	62	1	lcd33019.d	1.	609060-006-059-1/2		SOIL		27 Sep 106 12::
	63	2	lcd33020.d	1.	609060-007-061-1/2		SOIL		27 Sep 106 12::
LCD	64	3	lcd33021.d	1.	609060-008-063-1/2		SOIL		27 Sep 106 12::
	65	4	lcd33022.d	1.	BLK		ACN		27 Sep 106 13::
LCD	66	5	lcd33023.d	1.	8330MIX		CCAL		27 Sep 106 13::
	67	6	lcd33024.d	1.	8330NG		CCAL		28 Sep 106 13::
LCD	68	7	lcd33025.d	1.	609060-009-065-1/2		SOIL		28 Sep 106 13::
	69	8	lcd33026.d	1.	BLK93745		SOIL		28 Sep 106 12::
LCD	70	9	lcd33027.d	1.	BKS93745		SOIL		28 Sep 106 12::
	71	10	lcd33028.d	1.	609030-001-001-1/1		SOIL		28 Sep 106 12::
LCD	72	11	lcd33029.d	1.	609030-002-002-1/1		SOIL		28 Sep 106 12::
	73	12	lcd33030.d	1.	BLK93852		WATER		28 Sep 106 12::
LCD	74	13	lcd33031.d	1.	BKS93852		WATER		28 Sep 106 12::
	75	14	lcd33032.d	1.	BKSD93852		WATER		28 Sep 106 12::
LCD	76	15	lcd33033.d	1.	BKS93854		WATER		28 Sep 106 12::
	77	16	lcd33034.d	1.	BKSD93854		WATER		28 Sep 106 12::
LCD	78	17	lcd33035.d	1.	BLK		ACN		28 Sep 106 13::
	79	18	lcd33036.d	1.	8330MIX		CCAL		28 Sep 106 13::
LCD	80	19	lcd33037.d	1.	8330NG		CCAL		28 Sep 106 13::
	81	20	lcd33038.d	1.	609089-003-010-1/2		WATER		28 Sep 106 12::
LCD	82	21	lcd33039.d	1.	609093-002-009-1/2		WATER		28 Sep 106 12::
	83	22	lcd33040.d	1.	609093-004-011-1/2		WATER		28 Sep 106 12::
LCD	84	23	lcd33041.d	1.	609088-001-001-1/2		WATER		28 Sep 106 12::
	85	24	lcd33042.d	1.	BLK93708		WATER		28 Sep 106 12::
LCD	86	25	lcd33043.d	1.	BKS93708		WATER		28 Sep 106 12::
LCD									
LCD									

Remarks	Standard	Solution ID	Conc.	Date Prep.
	8330 MIX	37909	10/20 ppm	8/22/06
	4 Nitroaniline	37239	10 ppm	6/4/06
	NG	37158	100 ppm	6/15/06

HPLC ANALYSIS LOGBOOK

Instrument ID: LC # D (HP1100)

Method File:	h:\Lcdata9\Lcd\Methods.
Detector/ Wavelength:	UV 254 nm.
Injection Volume:	100 mL

Data File Path:	H:\Lcdata9\Lcd\09 250
Mobile Phase:	8330
Flow Rate:	0.9 mL/min

ICAL: 66248B Analyst: AG Reviewed by: S.S Date: 10/03/06

File			Lab ID		Date	Dilution	Column	Matrix	Comments
LCD	87	26	lcd33044.d	1.	609043-005-060-1/2		WATER		28 Sep 106 12::
LCD	88	27	lcd33045.d	1.	609043-006-062-1/2		WATER		28 Sep 106 12::
LCD	89	28	lcd33046.d	1.	609043-007-064-1/2		WATER		28 Sep 106 12::
LCD	90	29	lcd33047.d	1.	609049-005-026-1/8		WATER		28 Sep 106 13::
LCD	91	30	lcd33048.d	1.	RINSE		ACN		28 Sep 106 13::
LCD	92	31	lcd33049.d	1.	8330MIX		CCAL		29 Sep 106 13::
LCD	93	32	lcd33050.d	1.	8330NG		CCAL		29 Sep 106 12::
LCD	94	33	lcd33051.d	1.	609043-001-007-1/1		SOIL		29 Sep 106 12::
LCD	95	34	lcd33052.d	1.	609043-002-008-1/1		SOIL		29 Sep 106 12::
LCD	96	35	lcd33053.d	1.	609043-003-009-1/1		SOIL		29 Sep 106 12::
LCD	97	36	lcd33054.d	1.	609043-004-016-1/3		SOIL		29 Sep 106 12::
LCD	98	37	lcd33055.d	1.	609043-004-016-1/3MS		SOIL		29 Sep 106 12::
LCD	99	38	lcd33056.d	1.	609043-004-016-1/3MSD		SOIL		29 Sep 106 12::
LCD	100	39	lcd33057.d	1.	609043-009-010-1/1		SOIL		29 Sep 106 12::
LCD	101	40	lcd33058.d	1.	609043-010-011-1/1		SOIL		29 Sep 106 12::
LCD	102	41	lcd33059.d	1.	609043-011-012-1/1		SOIL		29 Sep 106 12::
LCD	103	42	lcd33060.d	1.	609049-001-013-1/2		SOIL		29 Sep 106 13::
LCD	104	43	lcd33061.d	1.	RINSE		ACN		29 Sep 106 13::
LCD	105	44	lcd33062.d	1.	8330MIX		CCAL		29 Sep 106 13::
LCD	106	45	lcd33063.d	1.	609049-002-015-1/2		SOIL		29 Sep 106 12::
LCD	107	46	lcd33064.d	1.	609049-003-017-1/2		SOIL		29 Sep 106 12::
LCD	108	47	lcd33065.d	1.	609049-004-019-1/2		SOIL		29 Sep 106 12::
LCD	109	48	lcd33066.d	1.	RINSE		SOIL		29 Sep 106 12::
LCD	110	49	lcd33067.d	1.	8330MIX		CCAL		29 Sep 106 12::
LCD	111	50	lcd33068.d	1.	8330MIX		CCAL		29 Sep 106 12::
LCD									
LCD									
LCD									
LCD									
LCD									
LCD									
LCD									
LCD									
LCD									
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LCD									
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LCD									

AG 10/03/06

Remarks	Standard	Solution ID	Conc.	Date Prep.
	8330 MIX	37909	10/20 ppm	8/22/06
	4-nitroaniline	37239	10 ppm	6/04/06
	NG	37153	100 ppm	6/15/06

LOW IMPACT EXPLOSIVES AND PROPELLANTS

GPL Laboratories

A. QC Summary

1. Surrogate Percent Recovery Summary
2. Matrix Spike/Matrix Spike Duplicate Summary
3. Laboratory Control Standard Summary (where applicable)
4. Method Blank Summary

GPL Laboratories

Surrogate Recovery Summary

Matrix : WATER **Analytical Method : SW8330** **SDG No : 609093**

Surrogate	NO2ANIL4
Lower QC Limits	37
Upper QC Limits	149
Sample ID	
BKS93853	93
BKSD93853	99
BLK93853	108
NWO-017-3009	74
NWO-017-3010	83

* Value outside of QC Limts

NO2ANIL4 = 4-Nitroaniline

GPL Laboratories

BKS/BSD RECOVERY

SAMPLE NO
BKSD93853

Lab Name : GPL Laboratories SDG NO : 609093 Method : SW8330

Lab Code : GPL Lab Sample ID : BKSD93853 Matrix : WATER Analysis Date : 09/26/2006

Compound	Spike Added (ug/L)	CONCENTRATION (ug/L)			%RECOVERY		% RPD	RPD Limit	QC Limits
		BLANK	BKS	BSD	BKS	BSD			
Pentaerythritol Tetranitrate	4	0.0	4.2	4.2	105	105	0	25	50-125

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 0 Out of 1 Outside Limit
Spike Recovery: 0 Out of 2 outside limit

GPL Laboratories

GPL
FORM 4
EXPLOSIVE METHOD BLANK SUMMARY

SAMPLE NO
BLK93853

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	93853
Lab File ID :	E37946D.D	SDG NO :	609093
Date Analyzed	09/26/2006	Lab Sample ID :	BLK93853
Date Extracted :	09/20/2006	Time Analyzed :	15:44
Matrix :(Soil/Water).	WATER	Level :(Low/Med)	

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES,MS AND MSD :

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed
BKS93853	BKS93853	E37947D.D	09/26/2006
BKSD93853	BKSD93853	E37948D.D	09/26/2006
NWO-017-3010	609093-002-009-1/2	E37950D.D	09/26/2006
NWO-017-3009	609093-004-011-1/2	E37954D.D	09/26/2006

B. Sample Data

1. TCL Results
2. Chromatographs from Primary and Confirmatory Analyses
3. Integration Report for Primary and Confirmatory Analyses

GPL Laboratories

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3010

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609093-002-009-1/2
Sample Volume :	950	Lab File ID :	E37950D.D
% Moisture:		Date Received	09/16/2006
Extraction:	EXT_SW8330	Date Extracted:	09/20/2006
Extract Volume:	20 mL	Date Analyzed	09/26/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	1.1	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\092606\E37950D.D Vial: 9
Acq On : 26 Sep 2006 17:12 Operator: ST.
Sample : 609093-002-009-1/2 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 27 8:27 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.35	63985492	248.180	PPB	m
Spiked Amount 300.000		Recovery =	82.73%		
Target Compounds					
2) T PETN	0.00	0	N.D.	PPB	

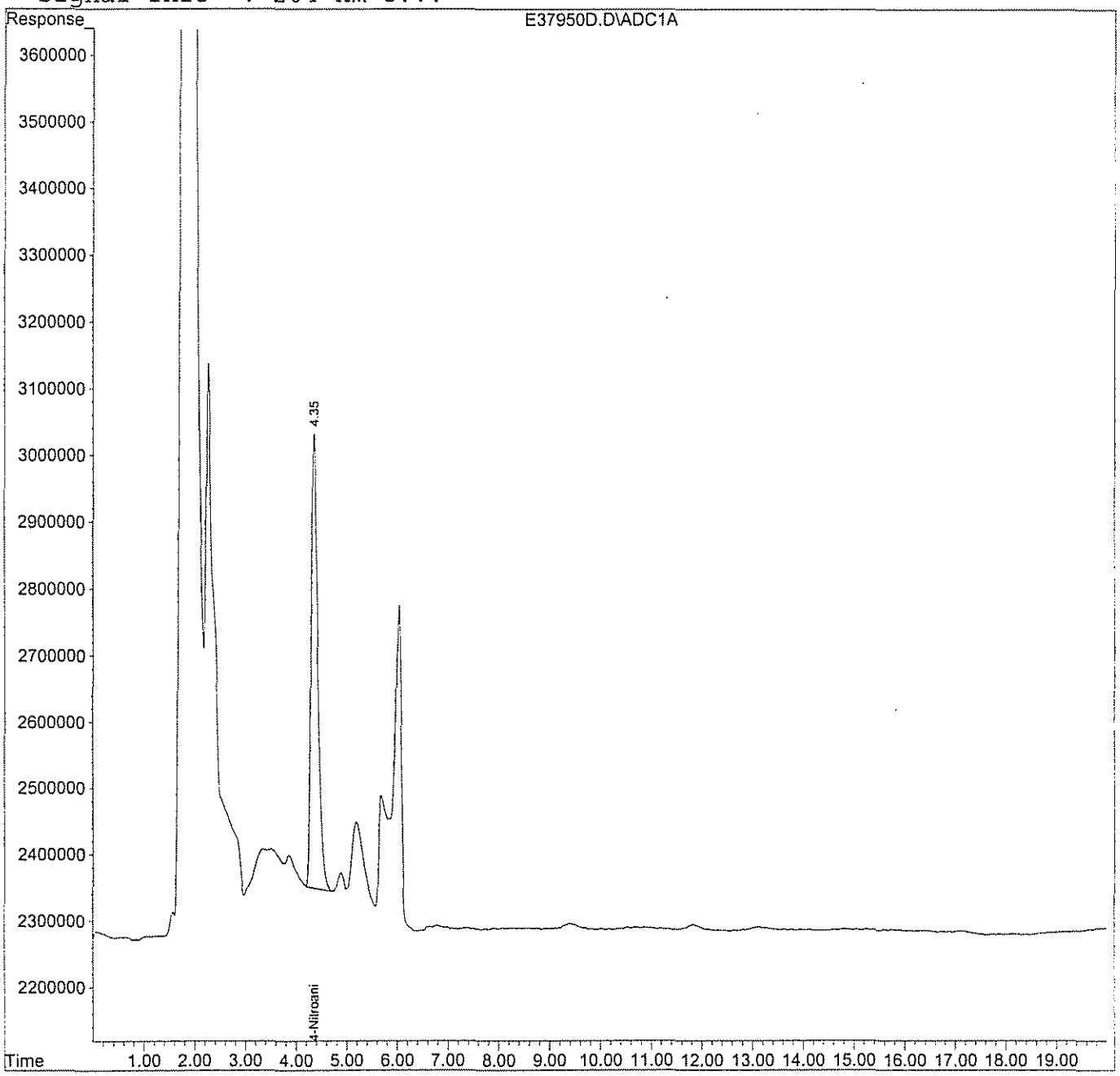
Camp Adair - Appendix F - Analytical Report 200-1e 4165
E10OR002908_01.09_0508_a

Quantitation Report

Data File : H:\LCDATA\LCE\092606\E37950D.D Vial: 9
Acq On : 26 Sep 2006 17:12 Operator: ST.
Sample : 609093-002-009-1/2 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 27 8:27 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3009

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609093-004-011-1/2
Sample Volume :	970	Lab File ID :	E37954D.D
% Moisture:		Date Received	09/16/2006
Extraction:	EXT_SW8330	Date Extracted:	09/20/2006
Extract Volume:	20 mL	Date Analyzed	09/26/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	1.0	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\092606\E37954D.D Vial: 13
Acq On : 26 Sep 2006 18:37 Operator: ST.
Sample : 609093-004-011-1/2 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 27 8:28 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.35	56899438	220.695 PPB
Spiked Amount 300.000		Recovery =	73.57%
Target Compounds			
2) T PETN	0.00	0	N.D. PPB

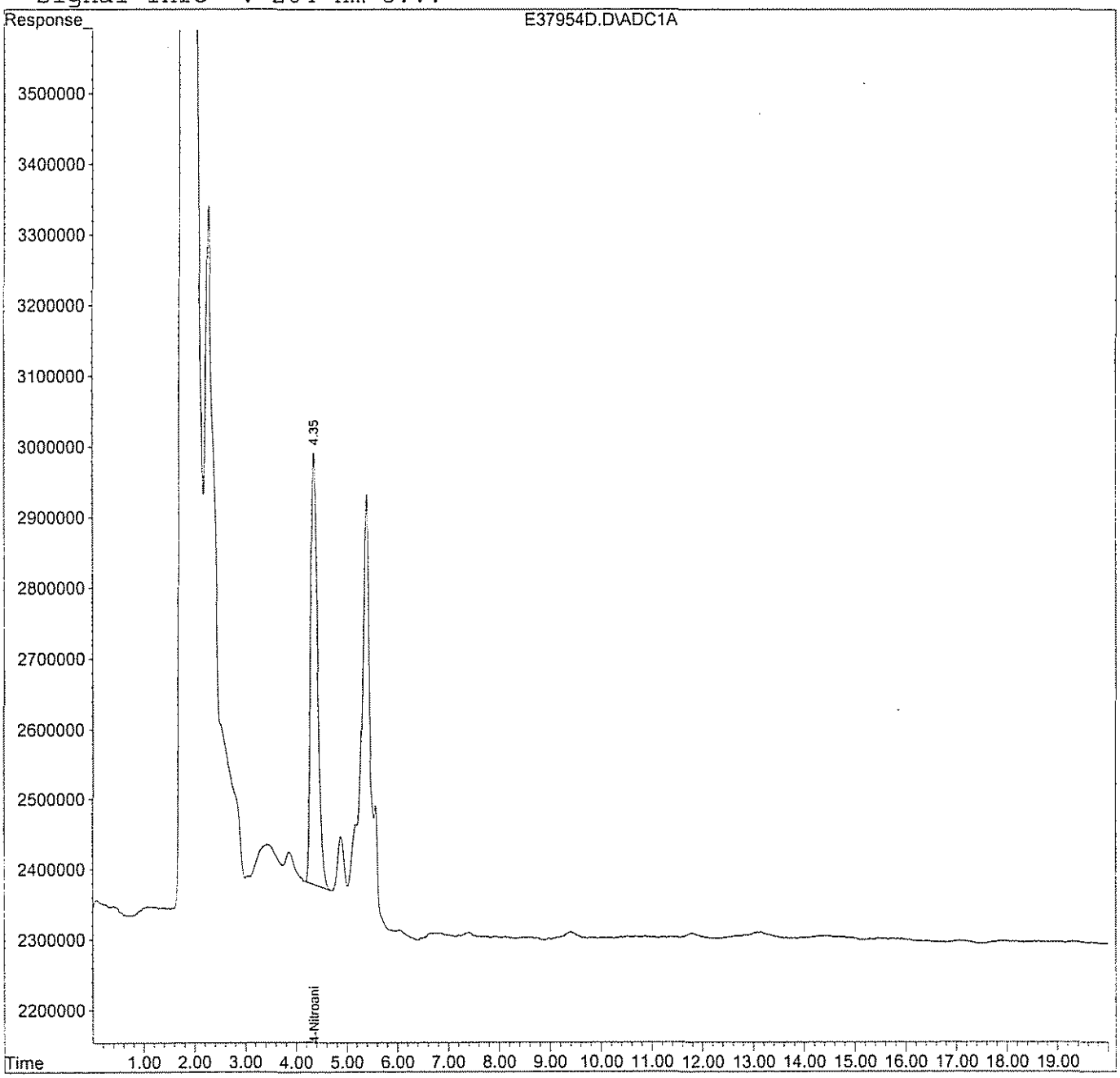
(f) =RT Delta > 1/2 Window (m) =manual int

Quantitation Report

Data File : H:\LCDATA\LCE\092606\E37954D.D Vial: 13
Acq On : 26 Sep 2006 18:37 Operator: ST.
Sample : 609093-004-011-1/2 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 27 8:28 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Camp Adair Appendix F- Analytical Report F10OR002908_01.09_0508_a

C. Standards Data

1. Initial Calibration Data

2. Continuing Calibration Data

GPL Laboratories

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\092006\E37776.D Vial: 1
Acq On : 20 Sep 2006 9:18 Operator: ST.
Sample : PETN BLK Inst : LCC-FL
Misc : CONT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 12:49 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	0.00	0	N.D. PPB
Spiked Amount 300.000		Recovery =	0.00%
Target Compounds			
2) T PETN	0.00	0	N.D. PPB

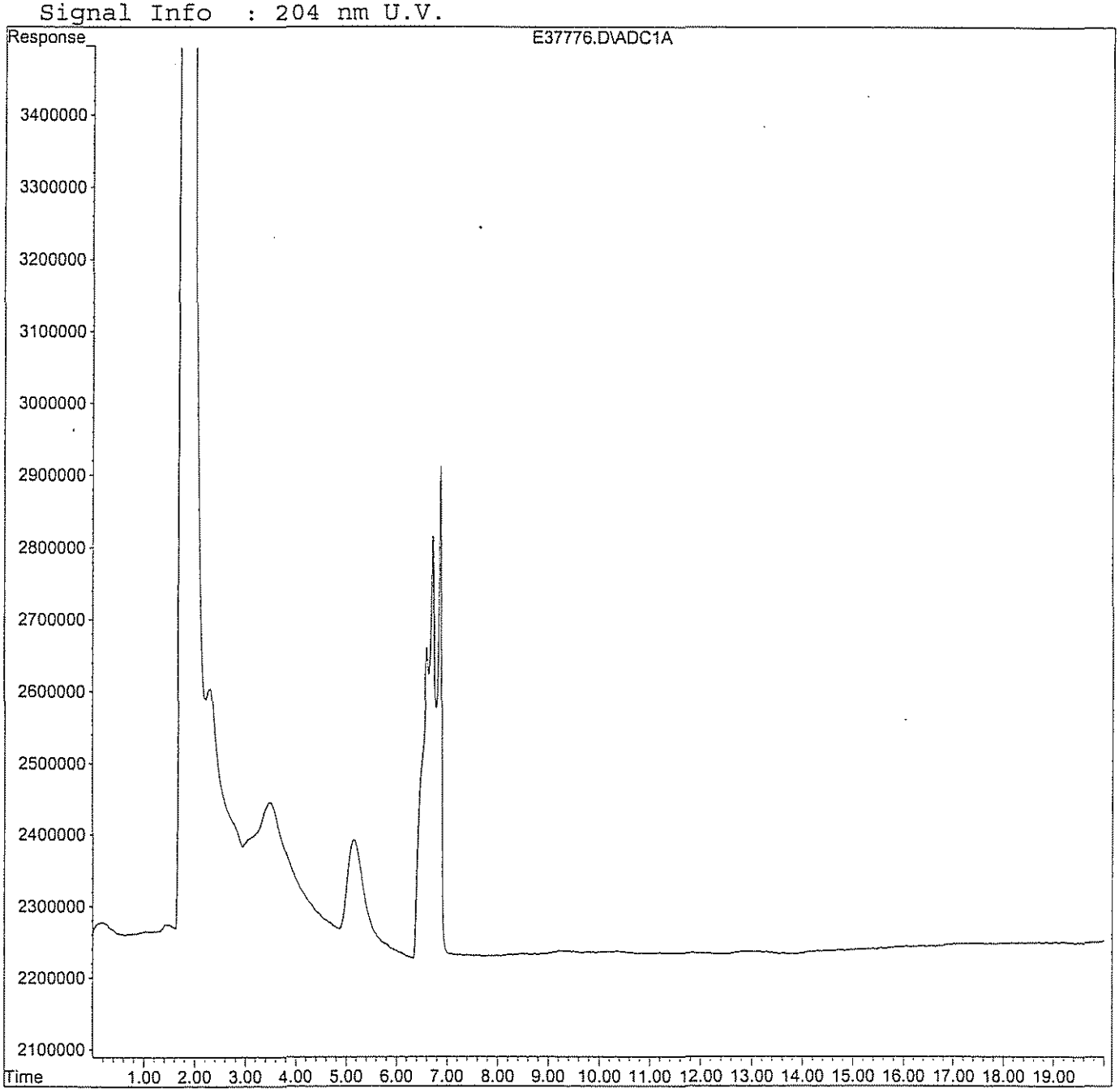
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCE\092006\E37776.D Vial: 1
Acq On : 20 Sep 2006 9:18 Operator: ST.
Sample : PETN BLK Inst : LCC-FL
Misc : CONT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 12:49 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



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F10OR002908_01.09_0508_a

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\092006\E37777.D Vial: 2
Acq On : 20 Sep 2006 9:39 Operator: ST.
Sample : PETN LEVEL-1 50PPM Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 12:59 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.28	13942372	42.949 PPB m
Spiked Amount 300.000		Recovery =	14.32%
Target Compounds			
2) T PETN	17.08	8574675	49.843 PPB m

(f)=RT Delta > 1/2 Window (m)=manual int.

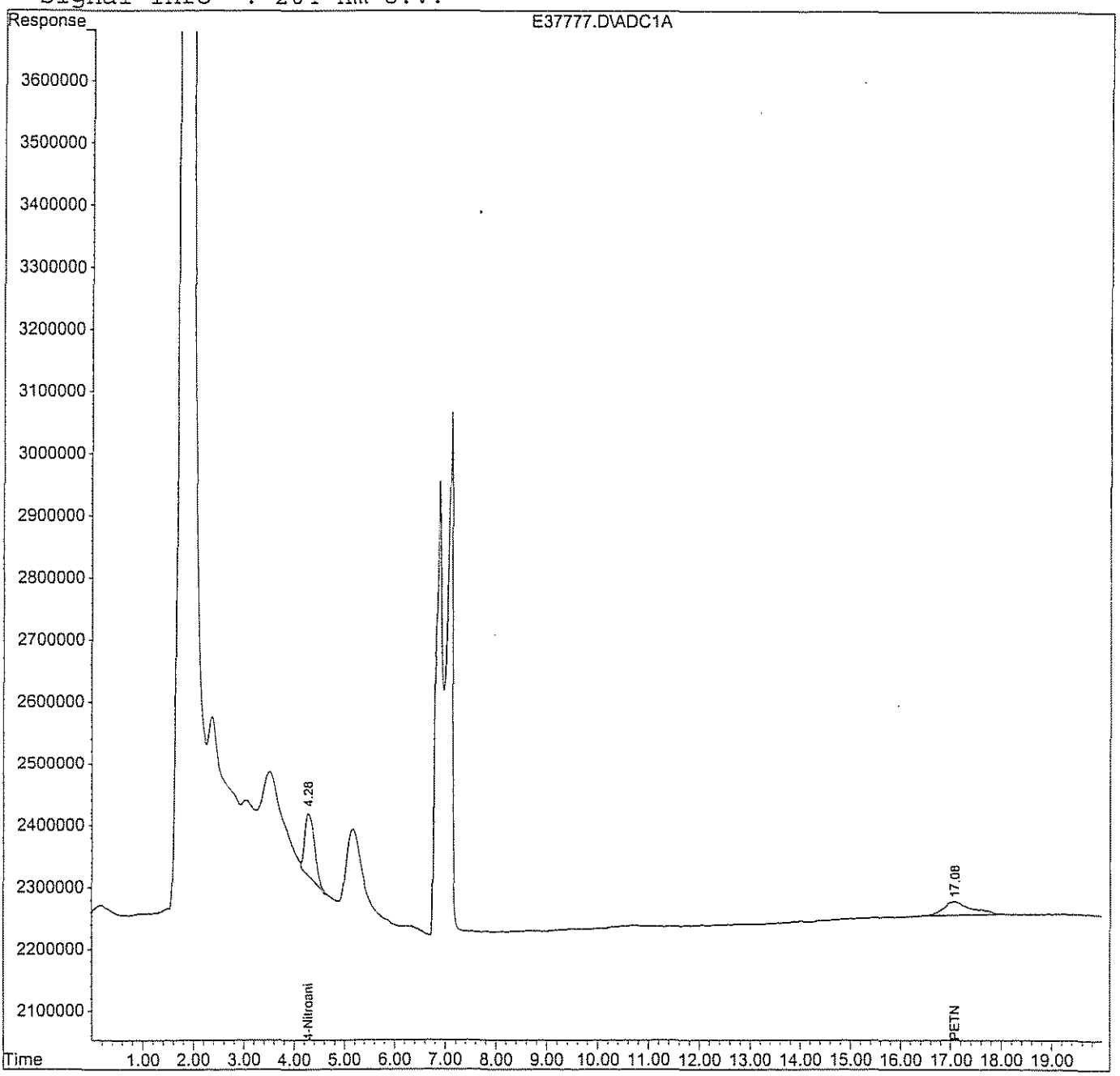
E37777.D 6920PETN.M Wed Sep 27 09:17:45 2006 RPT Page 1

Quantitation Report

Data File : H:\LCDATA\LCE\092006\E37777.D Vial: 2
Acq On : 20 Sep 2006 9:39 Operator: ST.
Sample : PETN LEVEL-1 50PPM Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 12:59 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Camp Adair - Appendix F - Analytical Report
200-1e
F10OR002908_01.09_0508_a
4174

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\092006\E37778.D Vial: 3
Acq On : 20 Sep 2006 10:00 Operator: ST.
Sample : PETN LEVEL-2 100PPM Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 12:53 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.28	26263536	80.904 PPB
Spiked Amount 300.000		Recovery =	26.97%
Target Compounds			
2) T PETN	17.01	19383671	112.674 PPB m

(f)=RT Delta > 1/2 Window (m)=manual int.

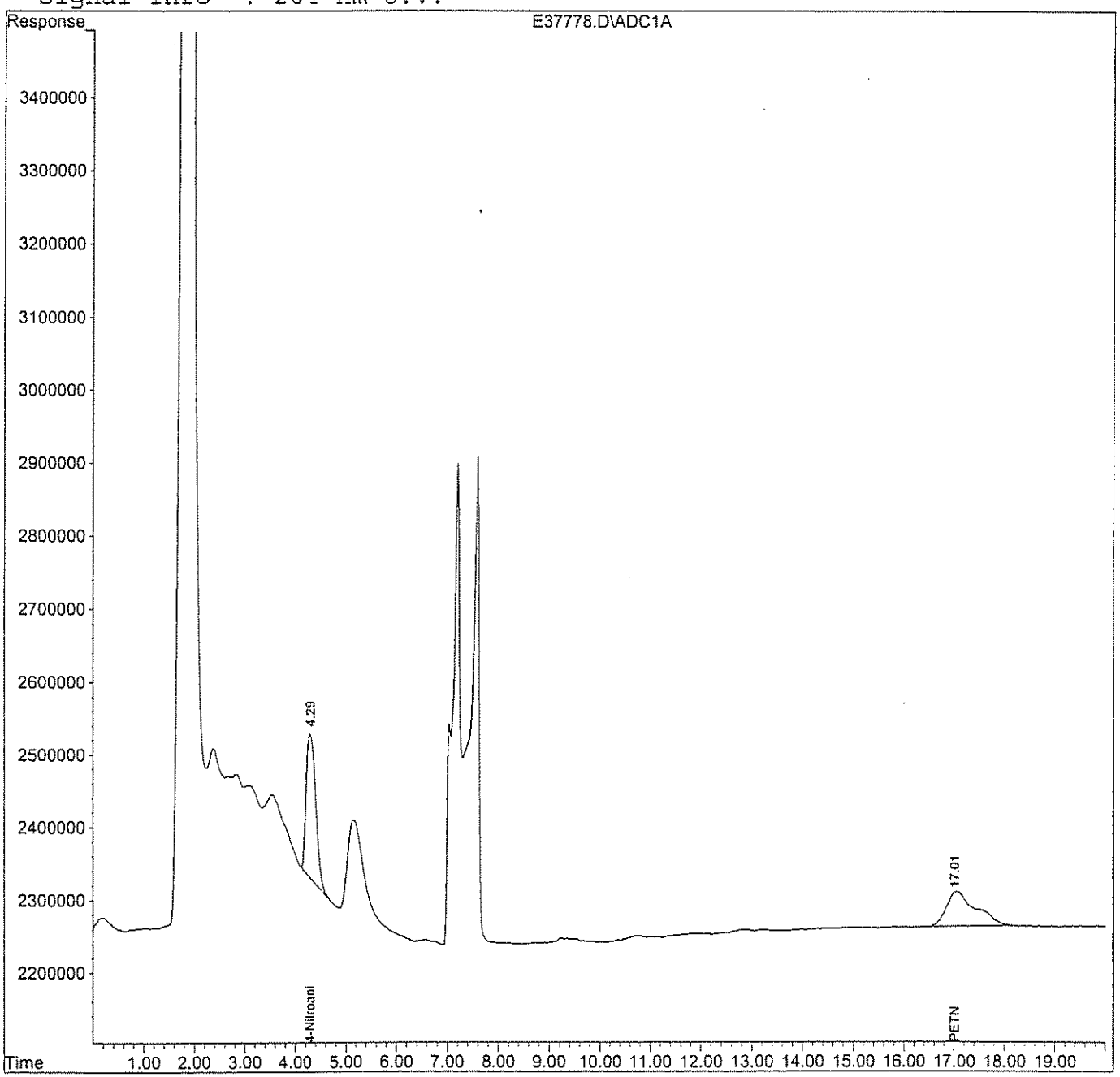
E37778.D 6920PETN.M Wed Sep 27 09:17:50 2006 RPT Page 1

Quantitation Report

Data File : H:\LCDATA\LCE\092006\E37778.D Vial: 3
Acq On : 20 Sep 2006 10:00 Operator: ST.
Sample : PETN LEVEL-2 100PPM Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 12:53 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\092006\E37779.D Vial: 4
Acq On : 20 Sep 2006 10:22 Operator: ST.
Sample : PETN LEVEL-3 200PPM Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 13:06 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.29	50070641	192.502	PPB	m
Spiked Amount 300.000		Recovery =	64.17%		
Target Compounds					
2) T PETN	17.05	38728102	201.268	PPB	m

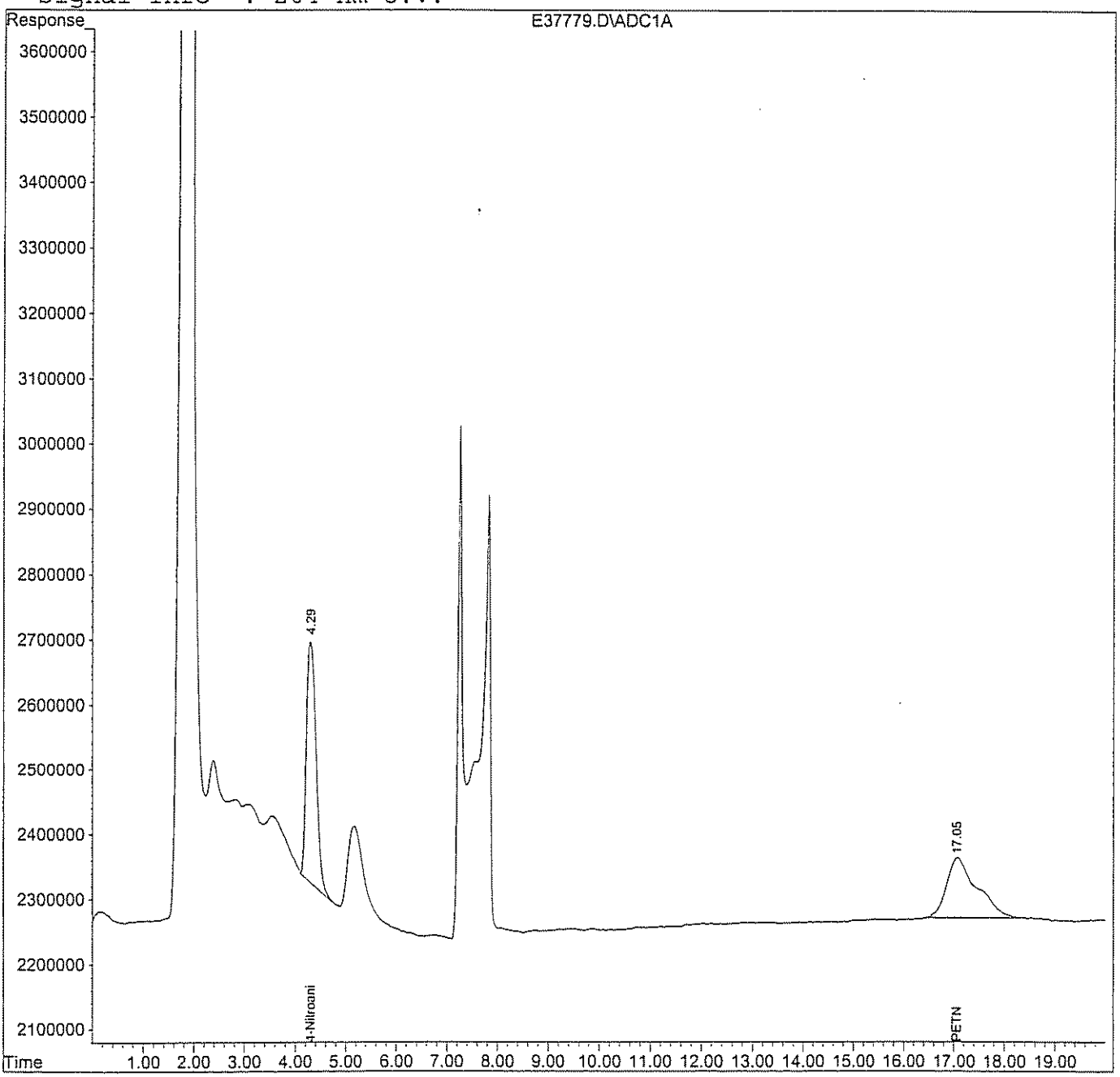
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCE\092006\E37779.D Vial: 4
Acq On : 20 Sep 2006 10:22 Operator: ST.
Sample : PETN LEVEL-3 200PPM Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 13:06 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\092006\E37780.D Vial: 5
Acq On : 20 Sep 2006 10:43 Operator: ST.
Sample : PETN LEVEL-4 500PPM Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 12:57 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.29	125966173	388.034 PPB m
Spiked Amount 300.000		Recovery =	129.34%
Target Compounds			
2) T PETN	17.07	98340090	571.636 PPB m

(f)=RT Delta > 1/2 Window (m)=manual int.

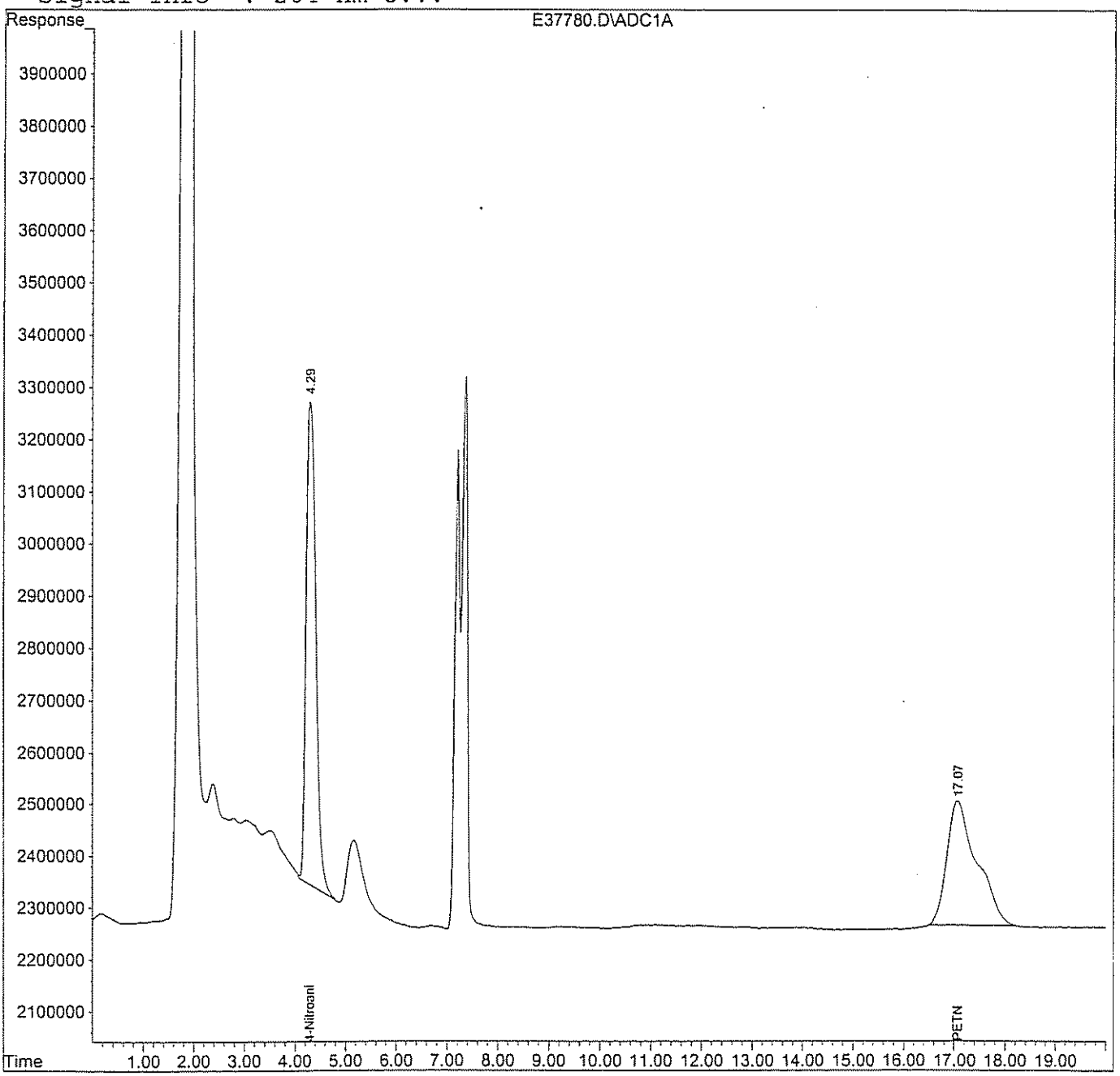
E37780.D 6920PETN.M Wed Sep 27 09:17:59 2006 RPT Page 1

Quantitation Report

Data File : H:\LCDATA\LCE\092006\E37780.D Vial: 5
Acq On : 20 Sep 2006 10:43 Operator: ST.
Sample : PETN LEVEL-4 500PPM Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 12:57 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\092006\E37781.D Vial: 6
Acq On : 20 Sep 2006 11:04 Operator: ST.
Sample : PETN LEVEL-5 1000PPM Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 12:59 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.30	245326842	755.720	PPB	m
Spiked Amount 300.000		Recovery = 251.91%			
Target Compounds					
2) T PETN	17.13f	203578311	1183.370	PPB	m

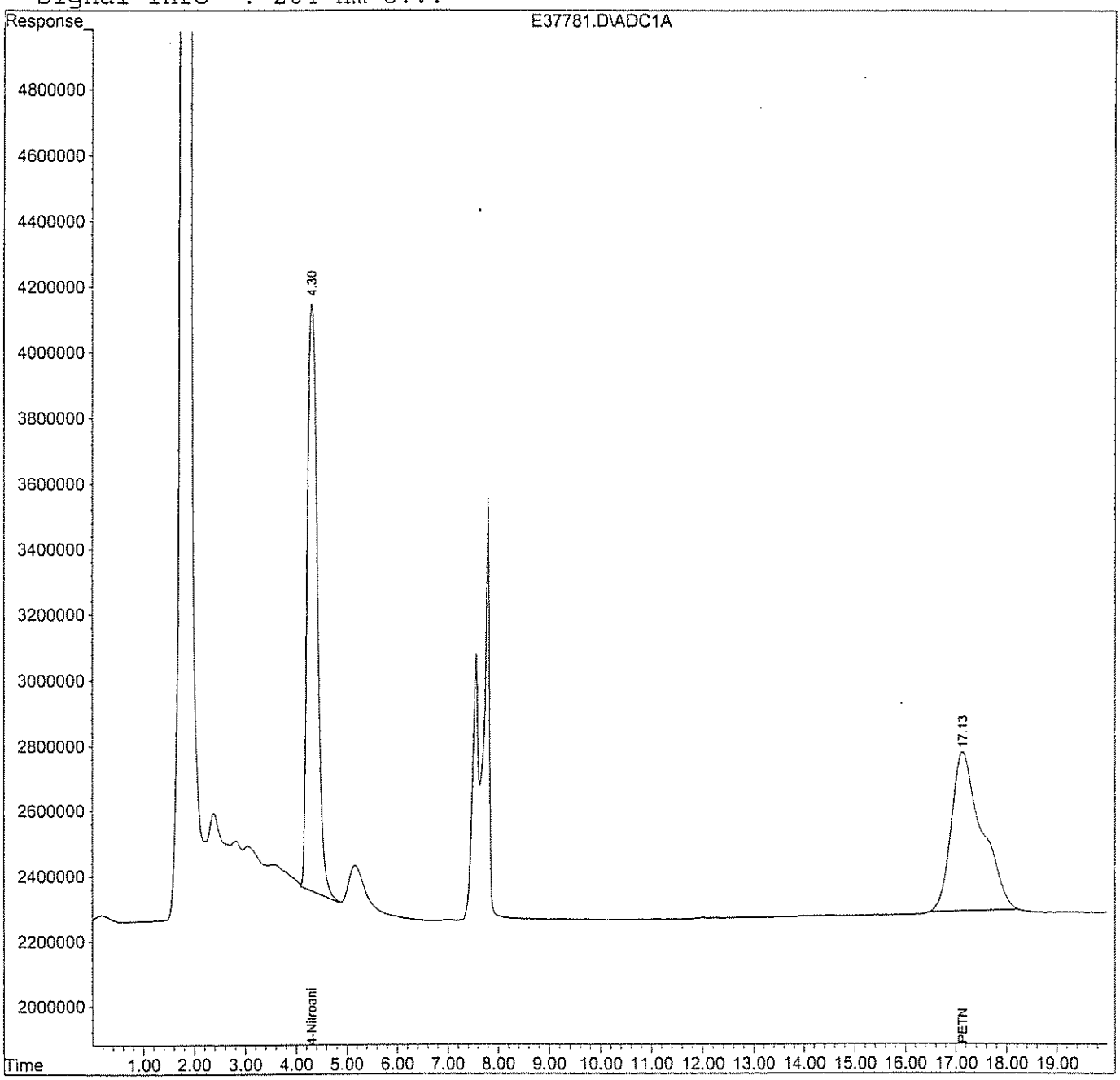
(f)=RT Delta > 1/2 Window (m)=manual int.
E37781.D 6920PETN.M Wed Sep 27 09:18:04 2006 RPT Page 1

Quantitation Report

Data File : H:\LCDATA\LCE\092006\E37781.D Vial: 6
Acq On : 20 Sep 2006 11:04 Operator: ST.
Sample : PETN LEVEL-5 1000PPM Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 12:59 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Continuing Calibration Report LCC-FL

Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Wed Sep 27 09:18:26 2006
Response via : Initial Calibration

Continuing Calibration File: E37782.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF		%Dev	Area%
1 S	4-Nitroaniline	257.819	280.620	E3	-8.8	112
2 T	PETN	192.201	194.421	E3	-1.2	100

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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F06OR002908_01.09_0508_a

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\092006\E37782.D Vial: 7
Acq On : 20 Sep 2006 11:26 Operator: ST.
Sample : PETN ICV- 10PPM Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 13:02 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.30	56124083	215.776 PPB m
Spiked Amount 300.000		Recovery =	71.93%
Target Compounds			
2) T PETN	17.11f	38884300	202.080 PPB m

(f)=RT Delta > 1/2 Window (m)=manual int.

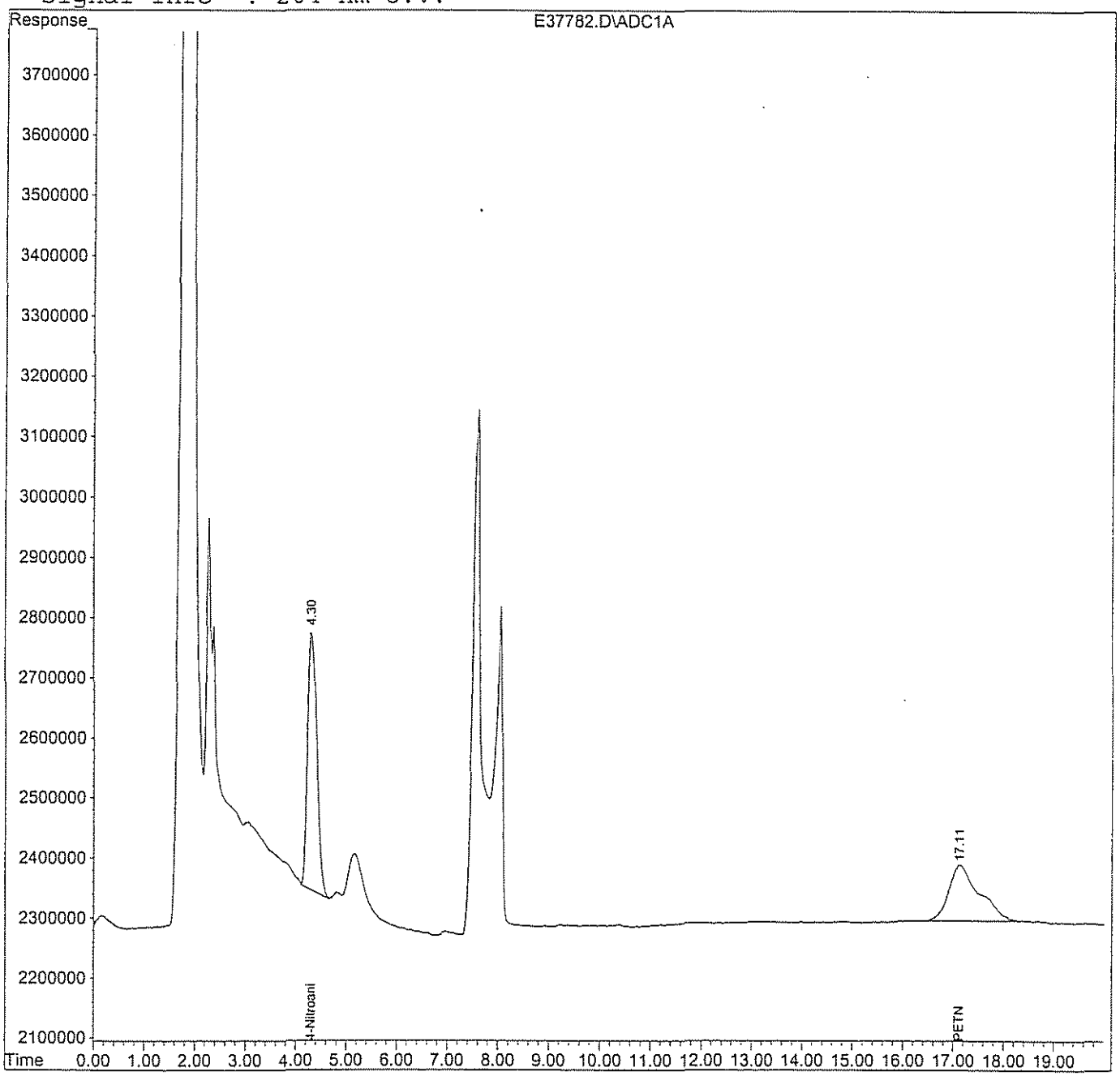
E37782.D 6920PETN.M Wed Sep 27 09:18:09 2006 RPT Page 1

Quantitation Report

Data File : H:\LCDATA\LCE\092006\E37782.D Vial: 7
Acq On : 20 Sep 2006 11:26 Operator: ST.
Sample : PETN ICV- 10PPM Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 13:02 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Continuing Calibration Report LCC-FL

Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Wed Sep 27 11:10:18 2006
Response via : Initial Calibration

Continuing Calibration File: E37941D.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-Nitroaniline	257.819	280.462	E3	-8.8	112
2	T	PETN	192.201	199.458	E3	-3.8	103

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\092606\E37941D.D Vial: 1
Acq On : 26 Sep 2006 12:45 Operator: ST.
Sample : PETN STD Inst : LCC-FL
Misc : CONT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 26 13:12 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.33	56092354	217.565	PPB	m
Spiked Amount 300.000		Recovery =	72.52%		
Target Compounds					
2) T PETN	17.50	39891661	207.552	PPB	m

(f)=RT Delta > 0.1 / Window (m)=manual int

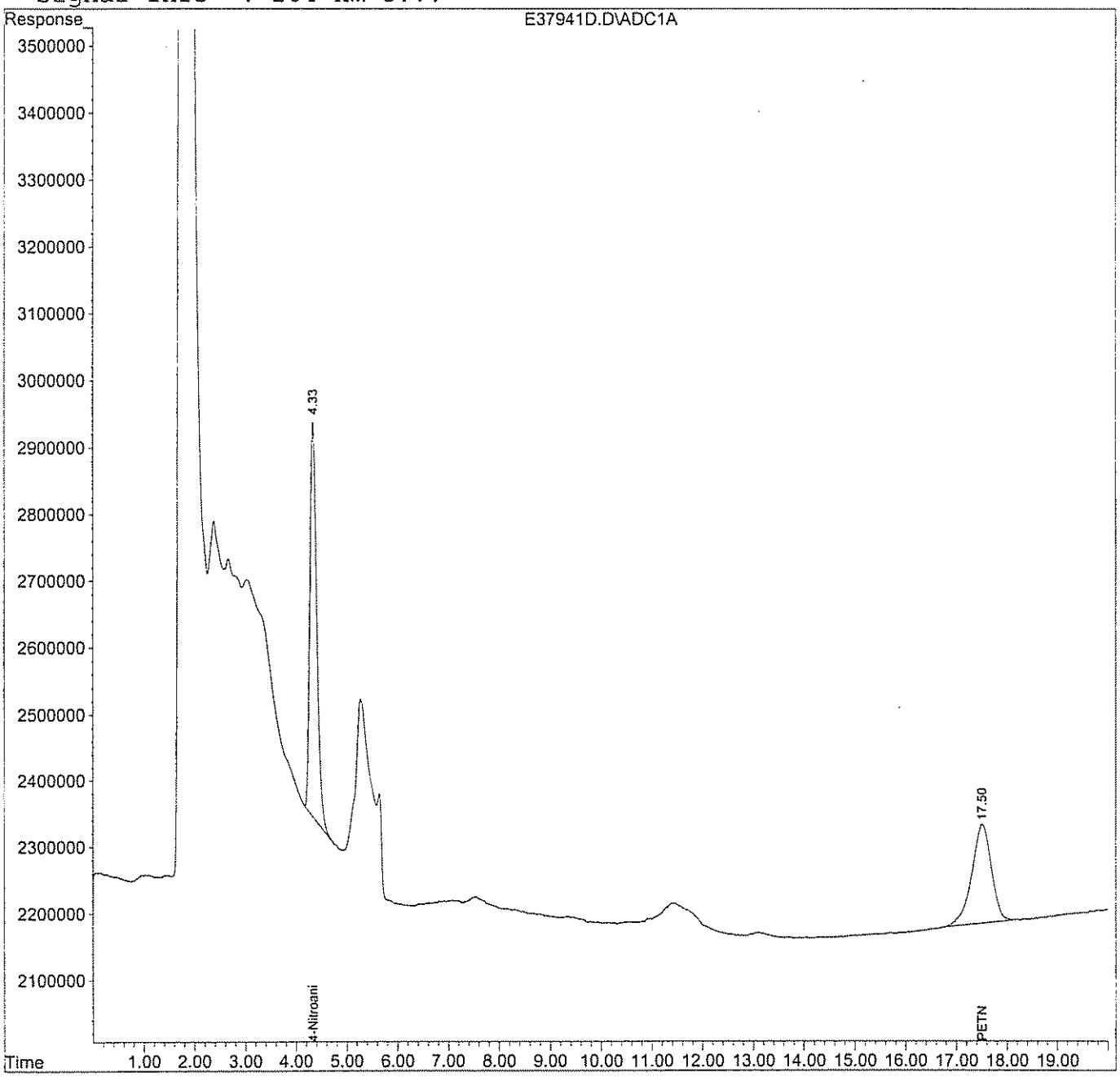
E37941D.D 6920PETN.M Wed Sep 27 11:10:24 2006 RPT Page 1

Quantitation Report

Data File : H:\LCDATA\LCE\092606\E37941D.D Vial: 1
Acq On : 26 Sep 2006 12:45 Operator: ST.
Sample : PETN STD Inst : LCC-FL
Misc : CONT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 26 13:12 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Camp Adair Appendix F - Analytical Report 4188
F10OR002908_01.09_0508_a

Continuing Calibration Report LCC-FL

Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Wed Sep 27 11:10:36 2006
Response via : Initial Calibration

Continuing Calibration File: E37953D.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-Nitroaniline	257.819	225.511	E3	12.5	90
2	T	PETN	192.201	207.053	E3	-7.7	107

(#) = Out of Range SPCC's out = 0 CCC's out = 0

E37953D.D 6920PETN.M Wed Sep 27 11:10:38 2006 RPT1 Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\092606\E37953D.D Vial: 12
Acq On : 26 Sep 2006 18:16 Operator: ST.
Sample : PETN STD Inst : LCC-FL
Misc : CONT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 27 8:16 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.35	45102170	174.937 PPB
Spiked Amount 300.000		Recovery =	58.31%
Target Compounds			
2) T PETN	17.59f	41410521	215.454 PPB m

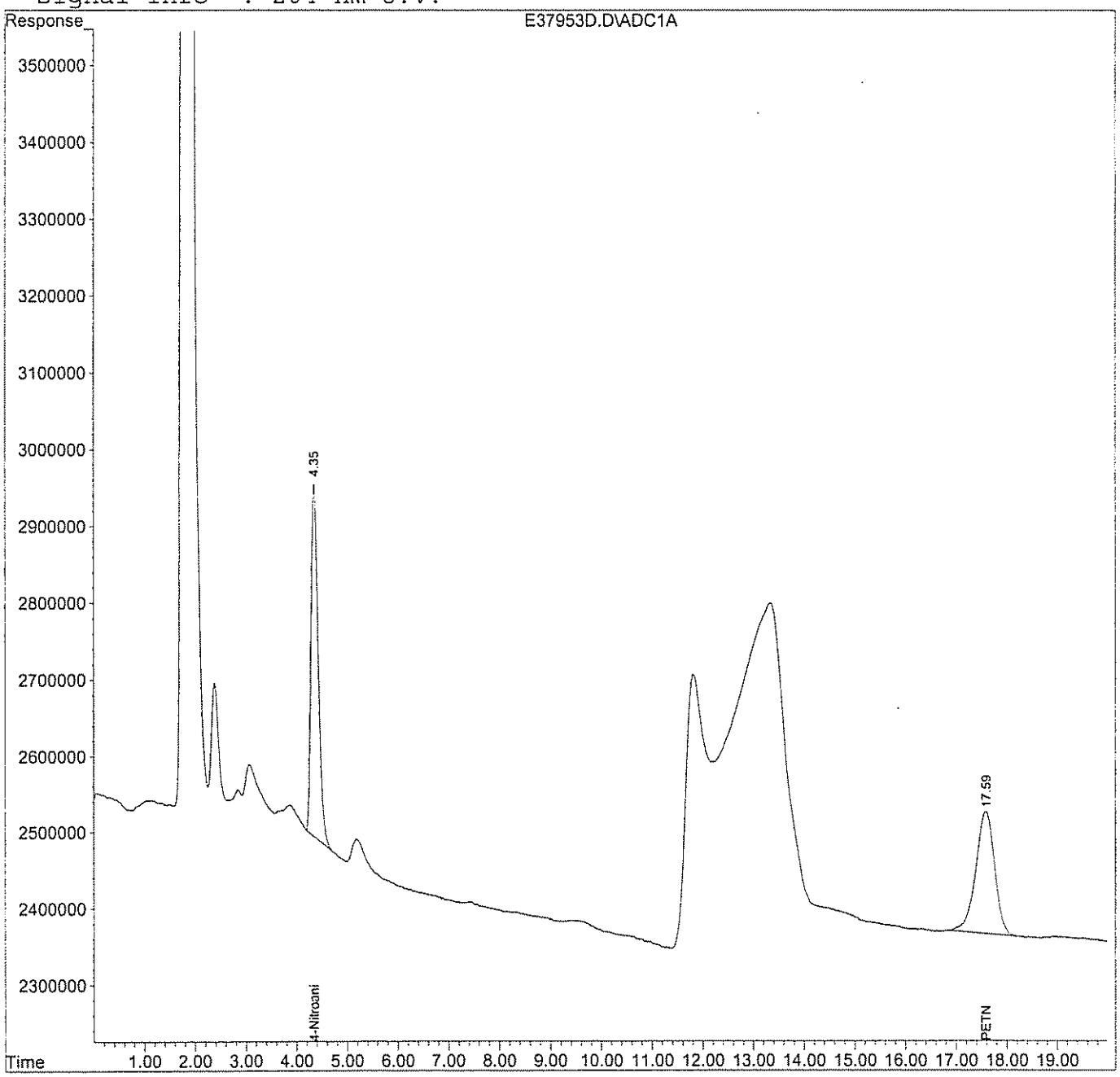
(f)=RT Delta > 0.5/2 Windows (m)=manual int

Quantitation Report

Data File : H:\LCDATA\LCE\092606\E37953D.D Vial: 12
Acq On : 26 Sep 2006 18:16 Operator: ST.
Sample : PETN STD Inst : LCC-FL
Misc : CONT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 27 8:16 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Continuing Calibration Report LCC-FL

Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Wed Sep 27 11:10:59 2006
Response via : Initial Calibration

Continuing Calibration File: E37966D.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-Nitroaniline	257.819	225.882	E3	12.4	90
2	T	PETN	192.201	218.970	E3	-13.9	113

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Camp Adair - Appendix F - Analytical Report 200-1e 4192
F10OR002908_01.09_0508_a

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\092606\E37966D.D Vial: 25
Acq On : 26 Sep 2006 22:53 Operator: ST.
Sample : PETN STD Inst : LCC-FL
Misc : CONT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 27 8:18 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.34	45176428	175.225 PPB m
Spiked Amount 300.000		Recovery =	58.41%
Target Compounds			
2) T PETN	17.57	43794091	227.856 PPB m

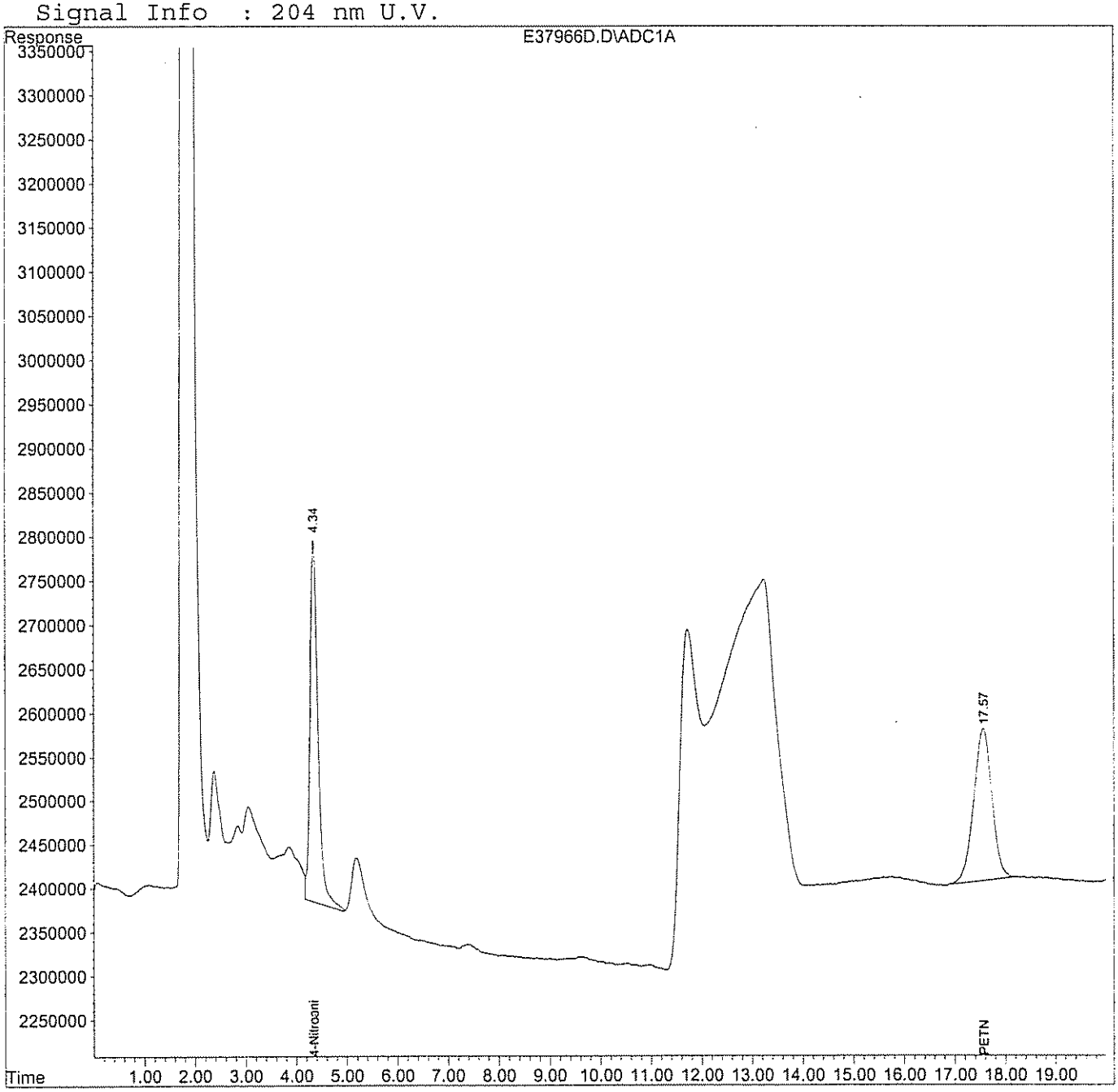
(f)=RT Delta > 0.2/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCE\092606\E37966D.D Vial: 25
Acq On : 26 Sep 2006 22:53 Operator: ST.
Sample : PETN STD Inst : LCC-FL
Misc : CONT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 27 8:18 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



D. Raw QC Data

1. Blank Data
2. Matrix Spike Data
3. Matrix Spike Duplicate Data
4. Laboratory Control Standard Data (where applicable)
5. Extraction Logsheet
6. Injection Logsheet

GPL Laboratories

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK93853

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK93853
Sample Volume :	1000	Lab File ID :	E37946D.D
% Moisture:		Date Received	
Extraction:	EXT_SW8330	Date Extracted:	09/20/2006
Extract Volume:	20 mL	Date Analyzed	09/26/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	1.0	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\092606\E37946D.D Vial: 5
Acq On : 26 Sep 2006 15:44 Operator: ST.
Sample : BLK93853 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 26 16:06 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.36	83813356	325.086	PPB	m
Spiked Amount 300.000		Recovery = 108.36%			
Target Compounds					
2) T PETN	0.00	0	N.D.	PPB	

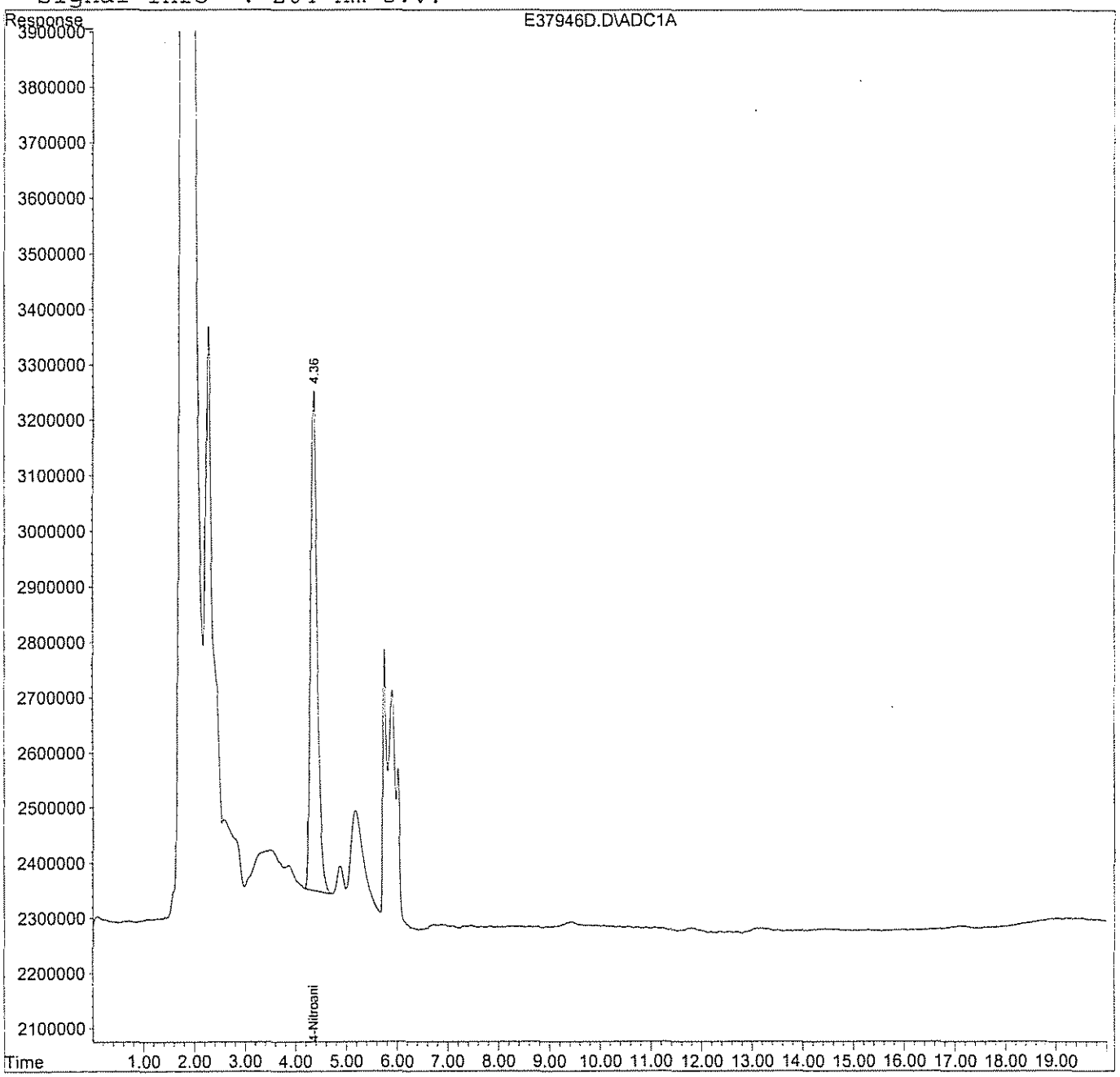
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCE\092606\E37946D.D Vial: 5
Acq On : 26 Sep 2006 15:44 Operator: ST.
Sample : BLK93853 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 26 16:06 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKSD93853

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKSD93853
Sample Volume :	1000	Lab File ID :	E37948D.D
% Moisture:		Date Received	
Extraction:	EXT_SW8330	Date Extracted:	09/20/2006
Extract Volume:	20 mL	Date Analyzed	09/26/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	4.2	

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\092606\E37948D.D Vial: 7
Acq On : 26 Sep 2006 16:29 Operator: ST.
Sample : BKSD93853 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 27 8:26 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.35	77110550	299.088 PPB m
Spiked Amount 300.000		Recovery =	99.70%
Target Compounds			
2) T PETN	17.55f	40720595	211.865 PPB m

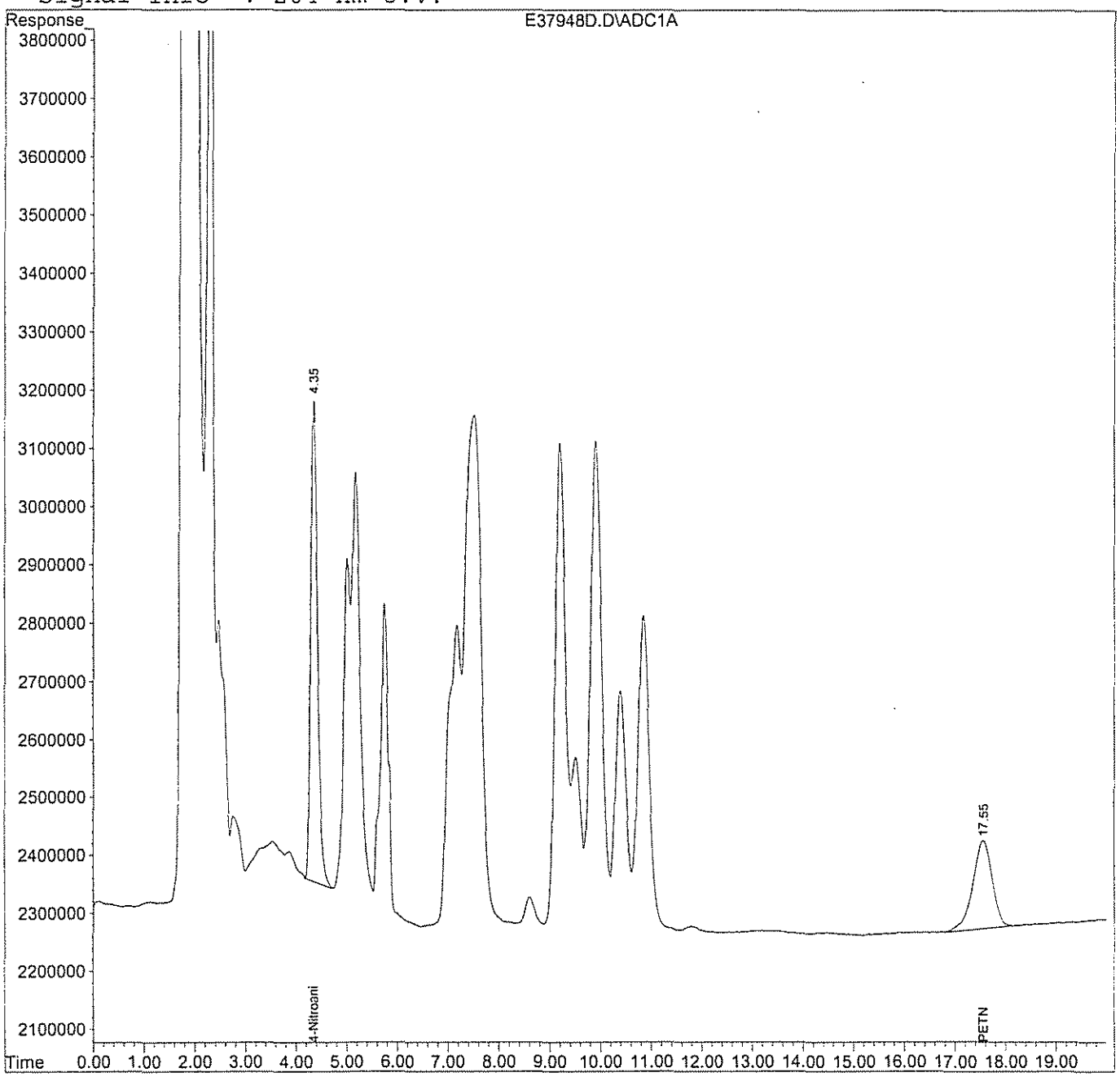
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCE\092606\E37948D.D Vial: 7
Acq On : 26 Sep 2006 16:29 Operator: ST.
Sample : BKSD93853 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 27 8:26 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
BKS93853

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKS93853
Sample Volume :	1000	Lab File ID :	E37947D.D
% Moisture:		Date Received	
Extraction:	EXT_SW8330	Date Extracted:	09/20/2006
Extract Volume:	20 mL	Date Analyzed	09/26/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	4.2	

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\092606\E37947D.D Vial: 6
Acq On : 26 Sep 2006 16:08 Operator: ST.
Sample : BKS93853 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 27 8:25 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.35	71747640	278.287 PPB
Spiked Amount 300.000		Recovery =	92.76%
Target Compounds			
2) T PETN	17.57f	40328926	209.827 PPB m

ST 09/29/06

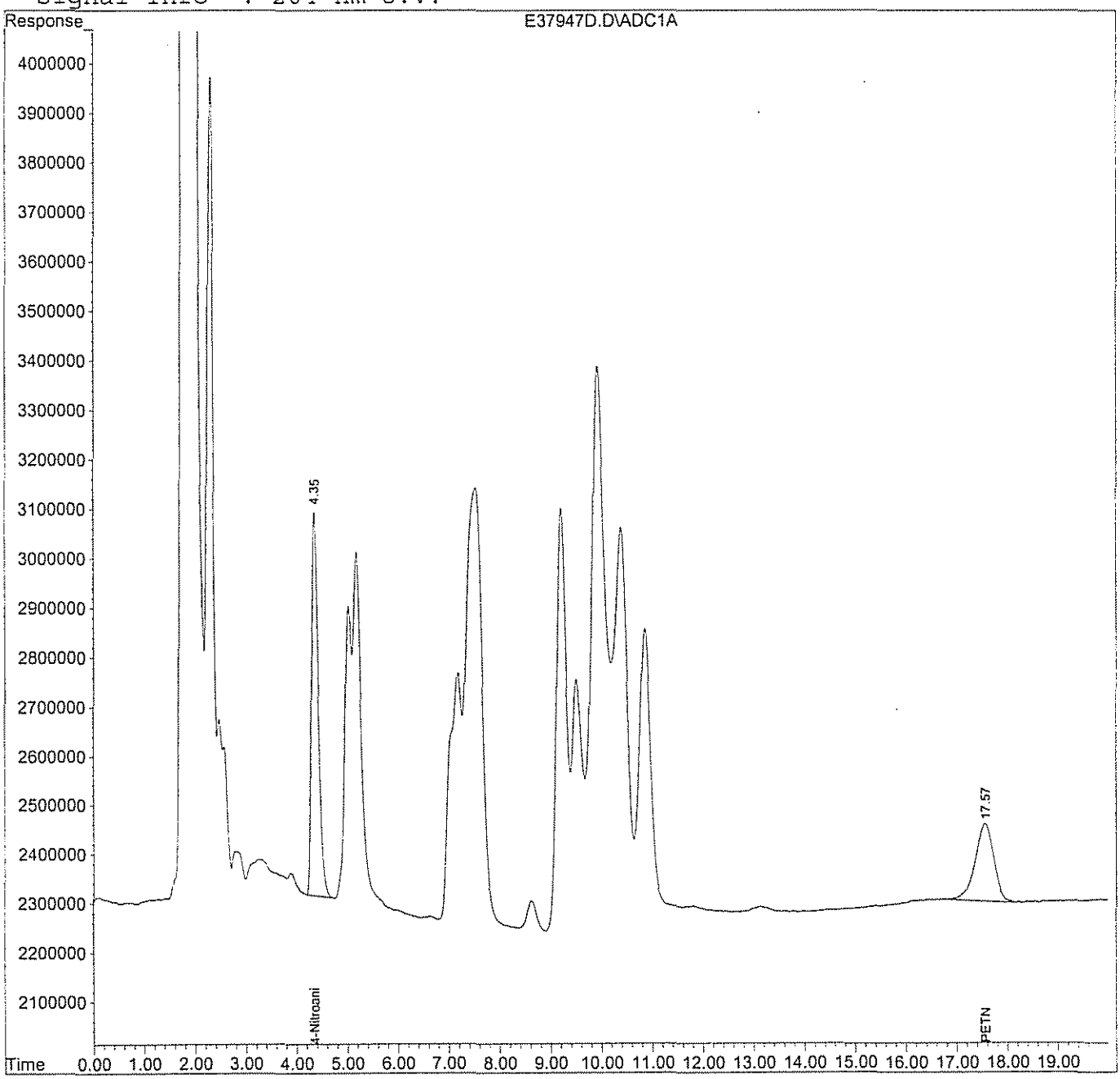
(f)=RT Delta > 1/2 Window (m)=manual int.
E37947D.D 6920PETN.M Wed Sep 27 11:11:37 2006 RPT Page 1

Quantitation Report

Data File : H:\LCDATA\LCE\092606\E37947D.D Vial: 6
Acq On : 26 Sep 2006 16:08 Operator: ST.
Sample : BKS93853 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 27 8:25 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



EXPLOSIVES/NITROGUANIDINE /NITROGLYCERINE /PICRIC ACID /PETN EXTRACTION LOG

SOIL / WATER / WIPES

Approval / Date: 9/20/06 Client: Shaw

Analysis Method: 8330 + PETN + NG

Extraction Chemist: VT Date: 09/20/06 Spike Witness: N.P

Work Order	Fraction	Sample Amount gram/mL	Surrogate Added, mL	Spike Added, mL	Final Volume, mL
609089	BLK	1000	1.0	—	20.0
	BKS1	1000		1.0 + 0.4	
	BKSD1	1000		↓	
	BKS2	1000		1.0 NG	
	BKSD2	1000		↓	
↓	003	950/1L		-	
609088	001	980/1L		-	
609093	002	950/1L		-	
↓	004	970/1L	↓	-	↓

VT 09/20/06

Solvent: Acetonitrile / DI Water

Solvent Lot #: 051296 Matrix Spike #: 37629 Matrix Spike Conc.: 5.0 PPM

Surrogate Solution #: 37212 Matrix Spike #: 37353 PETN Matrix Spike Conc.: 10.0 PPM

Surrogate Conc.(s): 6 PPM Matrix Spike #: 37354 Matrix Spike Conc.: 100 PPM.

Calcium Chloride#: — Sodium Sulfate#: — Sand#:

Sodium Chloride#: —

Comments & Observations: All Samples filtered HOIC Sa

xenco 93852 for 8330 for W 609089, 609088, 609093
xenco 93853 for Petn W for WO 609089, 609093
xenco 93854 for 8330 NG W for 609089, 609093

HPLC ANALYSIS LOGBOOK

Instrument ID: LC # E (WATERS)

Method File: h:\lcdata\Lce\methods	Data File Path: h:\lcdata\lce\092006
Detector/ Wavelength: UV	Mobile Phase: PETN-L49-62-13
Injection Volume: 100 uL	Flow Rate: 1.2 ml/min.

ICAL: 6920 PETN Analyst: ST. Reviewed by: S.S. Date: 09/20/06

Injection Log

Directory: h:\lcdata\lce\092006

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	e37776.d	1.	PETN BLK	CONT CAL	20 Sep
2	2	e37777.d	1.	PETN LEVEL-1 50PPM	INIT CAL	20 Sep
3	3	e37778.d	1.	PETN LEVEL-2 100PPM	INIT CAL	20 Sep
4	4	e37779.d	1.	PETN LEVEL-3 200PPM	INIT CAL	20 Sep
5	5	e37780.d	1.	PETN LEVEL-4 500PPM	INIT CAL	20 Sep
6	6	e37781.d	1.	PETN LEVEL-5 1000PPM	INIT CAL	20 Sep
7	7	e37782.d	1.	PETN ICV- 10PPM	INIT CAL	20 Sep
8	8	e37783.d	1.	PETN STD 10PPM	CONT CAL	20 Sep

LCE							
LCE							
LCE							
LCE							
LCE							
LCE							
LCE							
LCE							
LCE							
LCE							
LCE							
LCE							

ST. 09/20/06

Remarks	Standard	Solution ID	Conc.	Date Prep.
# 91965	8330 PETN STD	#38042	10ppm	09/04/06
	4-Nitroanaline	#37558	10ppm	07/27/06
OK				

Pls. See pg 156 for ~~[illegible]~~ sequence. ST.

HPLC ANALYSIS LOGBOOK

Instrument ID: LC # E (WATERS)

Method File: h:\lcdata\lce\methods	Data File Path: h:\lcdata\lce\092606
Detector/ Wavelength: UV	Mobile Phase: PETN-L4S-62-31
Injection Volume: 100 uL	Flow Rate: 1.2 ml/min.

ICAL: 6920 PETN Analyst: ST. Reviewed by: S.S. Date: 09/29/06

Injection Log

Directory: h:\lcdata\lce\092606

	Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected	Comments
LCE								
LCE	1	1	e37941d.d	1.	PETN STD	CONT CAL	26 Sep	
LCE	2	1	e37942d.d	1.	BLK93635	WATER	26 Sep	
	3	2	e37943d.d	1.	BKS93635	WATER	26 Sep	
LCE	4	3	e37944d.d	1.	BKSD93635	WATER	26 Sep	
	5	4	e37945d.d	1.	608184-001-001-1/2	WATER	26 Sep	
LCE	6	5	e37946d.d	1.	BLK93853	WATER	26 Sep	
	7	6	e37947d.d	1.	BKS93853	WATER	26 Sep	
LCE	8	7	e37948d.d	1.	BKSD93853	WATER	26 Sep	
	9	8	e37949d.d	1.	609089-003-001-1/2	WATER	26 Sep	
LCE	10	9	e37950d.d	1.	609093-002-009-1/2	WATER	26 Sep	
	11	10	e37951d.d	1.	609084-001-001-1/2	WATER	26 Sep	
LCE	12	11	e37952d.d	1.	RINSE	ACN	26 Sep	
	13	12	e37953d.d	1.	PETN STD	CONT CAL	26 Sep	
LCE	14	13	e37954d.d	1.	609093-004-011-1/2	WATER	26 Sep	
	15	14	e37955d.d	1.	BLK93814	SOIL	26 Sep	
LCE	16	15	e37956d.d	1.	BKS93814	SOIL	26 Sep	
	17	16	e37957d.d	1.	609053-002-003-1/2MS	SOIL	26 Sep	
LCE	18	17	e37958d.d	1.	609053-002-003-1/2MSD	SOIL	26 Sep	
	19	18	e37959d.d	1.	609053-001-001-1/2	SOIL	26 Sep	
LCE	20	19	e37960d.d	1.	609053-002-003-1/2	SOIL	26 Sep	
	21	20	e37961d.d	1.	609053-003-005-1/2	SOIL	26 Sep	
LCE	22	21	e37962d.d	1.	609053-010-007-1/2	SOIL	26 Sep	
	23	22	e37963d.d	1.	609053-011-009-1/2	SOIL	26 Sep	
LCE	24	23	e37964d.d	1.	609054-002-008-1/2	SOIL	26 Sep	
	25	24	e37965d.d	1.	RINSE	ACN	26 Sep	
	26	25	e37966d.d	1.	PETN STD	CONT CAL	26 Sep	
LCE	27	26	e37967d.d	1.	609054-003-010-1/2	SOIL	26 Sep	
	28	27	e37968d.d	1.	609054-004-012-1/2	SOIL	26 Sep	
LCE	29	28	e37969d.d	1.	609054-005-014-1/2	SOIL	26 Sep	
LCE	30	29	e37970d.d	1.	609031-001-001-1/1	SOIL	27 Sep	
	31	30	e37971d.d	1.	RINSE	ACN	27 Sep	
LCE	32	31	e37972d.d	1.	PETN STD	CONT CAL	27 Sep	
	33	32	e37973d.d	1.	PETN STD	CONT CAL	27 Sep	
LCE								
LCE								
LCE								
LCE								
LCE								
LCE								

ST. 09/27/06

Remarks	Standard	Solution ID	Conc.	Date Prep.
	PETN STD	# 38042	10ppm	09/04/06
	4-Nitroaniline	# 37558	10ppm	07/22/06

PETN RETENTION TIME WINDOW ESTABLISHMENT**

INTRUMENT: LCE
COLUMN: LC-18 ANALYST ST
DATE: 09/20/06

	E37783D		E337784D		E37841D					
COMPOUND	RT1	PW1	RT2	PW2	RT3	PW3	Avg RT	3x RT Std Dev	Avg PW	RT Window
PETN	17.09	0.71	17.18	0.74	17.21	0.69	17.16	0.187	0.72	0.375

Advisory Retention Time Windows are based on three daily calibration check standards
Run within a 72 hour window

Windows are the greater of 1/2 the average peak width,
or +/- 3 times the retention time standard deviation

TRACE METALS

GPL Laboratories

USEPA - CLP

COVER PAGE

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 609093

SOW No.: SW846

EPA Sample No.	Lab Sample ID
122022-AQ-0019	S 609112-005-027-1/1
122022-AQ-0019 MS	SP609112-005-027-1/1
122022-AQ-0019 MSD	SD609112-005-027-1/1
NWO-011-2002	S 609088-001-005-1/1
NWO-011-2002 MS	SP609088-001-005-1/1
NWO-011-2002 MSD	SD609088-001-005-1/1
NWO-017-3002	S 609093-001-001-1/1
NWO-017-3009	S 609093-004-014-1/1
NWO-017-3010	S 609093-002-013-1/1
NWO-017-6001	S 609093-003-002-1/1

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	YES	YES
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	YES	YES
if yes, were raw data generated before application of background corrections?	(Yes/No)	NO	YES

Comments:

I certify that this Sample Data Package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy Sample Data Package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as referred by the following signature.

Signature: KC Name: Kelvin K-C Choi

Date: 9/27/2006 Title: Chemist

GPL Laboratories, LLLP

Sample Results

Project:	609093	Matrix:	Water
Lab Sample ID:	S 609093-001-001-1/1	Percent Moisture:	NA
Client Sample ID:	NWO-017-3002	Prep Batch:	94062
Analysis Method:	6020 ICPMS Analysis	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Lead	208	0.18	2.0	0.51	J	1	09/28/06 23:16

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

GPL Laboratories, LLLP

Sample Results

Project:	609093	Matrix:	Water
Lab Sample ID:	S 609093-002-013-1/1	Percent Moisture:	NA
Client Sample ID:	NWO-017-3010	Prep Batch:	94062
Analysis Method:	6020 ICPMS Analysis	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	5.5	100	6.1	J	1	09/28/06 23:22
Antimony	121	0.13	1.0	0.13	U	1	09/28/06 23:22
Barium	137	0.15	5.0	0.79	JB	1	09/28/06 23:22
Cadmium	110	0.17	0.50	0.17	U	1	09/28/06 23:22
Chromium	52	1.3	2.0	1.3	U	1	09/28/06 23:22
Cobalt	59	0.016	1.0	0.016	UB	1	09/28/06 23:22
Copper	65	0.43	2.0	1.4	J	1	09/28/06 23:22
Iron	56	5.5	50.0	94.7		1	09/28/06 23:22
Lead	208	0.18	2.0	0.40	J	1	09/28/06 23:22
Magnesium	25	4.8	100	13000		1	09/28/06 23:22
Manganese	55	0.39	2.0	39.2		1	09/28/06 23:22
Molybdenum	95	0.12	5.0	0.33	J	1	09/28/06 23:22
Nickel	60	0.15	1.0	1.1		1	09/28/06 23:22
Strontium	88	0.17	2.0	115		1	09/28/06 23:22
Titanium	47	0.29	2.0	2.3		1	09/28/06 23:22
Zinc	66	1.8	10.0	9.7	J	1	09/28/06 23:22

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

GPL Laboratories, LLLP

Sample Results

Project:	609093	Matrix:	Water
Lab Sample ID:	S 609093-002-013-1/1	Percent Moisture:	NA
Client Sample ID:	NWO-017-3010	Prep Batch:	94068
Analysis Method:	Mercury (7470A, Cold Vapor)	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.034	0.20	0.034	U	1	10/02/06 16:57

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

GPL Laboratories, LLLP

Sample Results

Project:	609093	Matrix:	Water
Lab Sample ID:	S 609093-003-002-1/1	Percent Moisture:	NA
Client Sample ID:	NWO-017-6001	Prep Batch:	94062
Analysis Method:	6020 ICPMS Analysis	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	5.5	100	65.1	J	1	09/28/06 23:29
Antimony	121	0.13	1.0	0.17	J	1	09/28/06 23:29
Arsenic	75	1.0	5.0	1.0	U	1	09/28/06 23:29
Barium	137	0.15	5.0	20.0	B	1	09/28/06 23:29
Beryllium	9	0.028	0.20	0.028	U	1	09/28/06 23:29
Cadmium	110	0.17	0.50	0.17	U	1	09/28/06 23:29
Calcium	44	45.4	1000	17800		1	09/28/06 23:29
Chromium	52	1.3	2.0	1.3	U	1	09/28/06 23:29
Cobalt	59	0.016	1.0	0.28	JB	1	09/28/06 23:29
Copper	65	0.43	2.0	9.7		1	09/28/06 23:29
Iron	56	5.5	50.0	188		1	09/28/06 23:29
Lead	208	0.18	2.0	0.50	J	1	09/28/06 23:29
Magnesium	25	4.8	100	6850		1	09/28/06 23:29
Manganese	55	0.39	2.0	85.2		1	09/28/06 23:29
Molybdenum	95	0.12	5.0	1.2	J	1	09/28/06 23:29
Nickel	60	0.15	1.0	1.8		1	09/28/06 23:29
Potassium	39	13.8	1000	469	J	1	09/28/06 23:29
Selenium	82	0.75	5.0	0.75	U	1	09/28/06 23:29
Silver	107	0.029	0.30	0.029	UB	1	09/28/06 23:29
Sodium	23	12.5	1000	8990		1	09/28/06 23:29
Strontium	88	0.17	2.0	73.8		1	09/28/06 23:29
Thallium	203	0.074	2.0	0.074	UB	1	09/28/06 23:29
Titanium	47	0.29	2.0	5.4		1	09/28/06 23:29
Vanadium	51	2.5	10.0	4.6	J	1	09/28/06 23:29
Zinc	66	1.8	10.0	45.3		1	09/28/06 23:29

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

GPL Laboratories, LLLP

Sample Results

Project:	609093	Matrix:	Water
Lab Sample ID:	S 609093-003-002-1/1	Percent Moisture:	NA
Client Sample ID:	NWO-017-6001	Prep Batch:	94068
Analysis Method:	Mercury (7470A, Cold Vapor)	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.034	0.20	0.034	U	1	10/02/06 16:59

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

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Sample Results

Project:	609093	Matrix:	Water
Lab Sample ID:	S 609093-004-014-1/1	Percent Moisture:	NA
Client Sample ID:	NWO-017-3009	Prep Batch:	94062
Analysis Method:	6020 ICPMS Analysis	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	5.5	100	5.5	U	1	09/28/06 23:35
Antimony	121	0.13	1.0	0.13	U	1	09/28/06 23:35
Barium	137	0.15	5.0	14.7	B	1	09/28/06 23:35
Cadmium	110	0.17	0.50	0.17	U	1	09/28/06 23:35
Chromium	52	1.3	2.0	1.3	U	1	09/28/06 23:35
Cobalt	59	0.016	1.0	0.018	JB	1	09/28/06 23:35
Copper	65	0.43	2.0	4.0		1	09/28/06 23:35
Iron	56	5.5	50.0	28.7	J	1	09/28/06 23:35
Lead	208	0.18	2.0	0.41	J	1	09/28/06 23:35
Magnesium	25	4.8	100	1760		1	09/28/06 23:35
Manganese	55	0.39	2.0	16.2		1	09/28/06 23:35
Molybdenum	95	0.12	5.0	0.67	J	1	09/28/06 23:35
Nickel	60	0.15	1.0	1.1		1	09/28/06 23:35
Strontium	88	0.17	2.0	63.3		1	09/28/06 23:35
Titanium	47	0.29	2.0	1.0	J	1	09/28/06 23:35
Zinc	66	1.8	10.0	18.4		1	09/28/06 23:35

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

GPL Laboratories, LLLP

Sample Results

Project:	609093	Matrix:	Water
Lab Sample ID:	S 609093-004-014-1/1	Percent Moisture:	NA
Client Sample ID:	NWO-017-3009	Prep Batch:	94068
Analysis Method:	Mercury (7470A, Cold Vapor)	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.034	0.20	0.034	U	1	10/02/06 17:02

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

GPL Laboratories, LLLP

Preparation Blank Results

Project:	609093	Matrix:	Water
Lab Sample ID:	BLK94062	Percent Moisture:	NA
Client Sample ID:	NA	Prep Batch:	94062
Analysis Method:	6020 ICPMS Analysis	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	5.5	100	10.2	J	1	09/28/06 22:03
Antimony	121	0.13	1.0	0.13	U	1	09/28/06 22:03
Arsenic	75	1.0	5.0	1.0	U	1	09/28/06 22:03
Barium	137	0.15	5.0	0.55	J	1	09/28/06 22:03
Beryllium	9	0.028	0.20	0.028	U	1	09/28/06 22:03
Cadmium	110	0.17	0.50	0.17	U	1	09/28/06 22:03
Calcium	44	45.4	1000	89.7	J	1	09/28/06 22:03
Chromium	52	1.3	2.0	1.3	U	1	09/28/06 22:03
Cobalt	59	0.016	1.0	0.016	U	1	09/28/06 22:03
Copper	65	0.43	2.0	0.43	U	1	09/28/06 22:03
Iron	56	5.5	50.0	5.5	U	1	09/28/06 22:03
Lead	208	0.18	2.0	0.18	U	1	09/28/06 22:03
Magnesium	25	4.8	100	4.8	U	1	09/28/06 22:03
Manganese	55	0.39	2.0	0.39	U	1	09/28/06 22:03
Molybdenum	95	0.12	5.0	0.12	U	1	09/28/06 22:03
Nickel	60	0.15	1.0	0.15	U	1	09/28/06 22:03
Potassium	39	13.8	1000	13.8	U	1	09/28/06 22:03
Selenium	82	0.75	5.0	0.75	U	1	09/28/06 22:03
Silver	107	0.029	0.30	0.029	U	1	09/28/06 22:03
Sodium	23	12.5	1000	60.7	J	1	09/28/06 22:03
Strontium	88	0.17	2.0	0.45	J	1	09/28/06 22:03
Thallium	203	0.074	2.0	0.097	J	1	09/28/06 22:03
Titanium	47	0.29	2.0	0.29	U	1	09/28/06 22:03
Vanadium	51	2.5	10.0	2.5	U	1	09/28/06 22:03
Zinc	66	1.8	10.0	3.8	J	1	09/28/06 22:03

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

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Preparation Blank Results

Project:	609093	Matrix:	Water
Lab Sample ID:	BLK94068	Percent Moisture:	NA
Client Sample ID:	NA	Prep Batch:	94068
Analysis Method:	Mercury (7470A, Cold Vapor)	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.034	0.20	0.034	U	1	10/02/06 16:49

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

GPL Laboratories, LLLP

Initial Calibration Verification

Project:	609093	Instrument:	301x
Units:	ug/L	Data File Name:	060928MS.csv
Standard Source:	AB.ST.	Standard ID:	

Analyte	True	ICV 9/28/2006 5:09:55 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	500.0	511.20	102						
Antimony	40.0	41.55	104						
Arsenic	40.0	40.95	102						
Barium	40.0	41.82	105						
Beryllium	4.0	4.37	109						
Calcium	5000.0	5058.67	101						
Chromium	40.0	39.06	98						
Cobalt	40.0	41.08	103						
Copper	40.0	40.74	102						
Iron	500.0	528.27	106						
Lead	40.0	40.55	101						
Magnesium	5000.0	5113.33	102						
Manganese	40.0	41.40	104						
Molybdenum	40.0	40.55	101						
Nickel	40.0	41.49	104						
Potassium	5000.0	4989.33	100						
Selenium	40.0	41.01	103						
Silver	40.0	40.88	102						
Sodium	5000.0	5178.33	104						
Strontium	40.0	41.20	103						
Thallium	40.0	42.56	106						
Titanium	40.0	41.08	103						
Vanadium	40.0	41.29	103						
Zinc	40.0	41.79	104						

GPL Laboratories, LLLP

Initial Calibration Verification

Project:	609093	Instrument:	301x
Units:	ug/L	Data File Name:	060928MS.csv
Standard Source:	AB.ST.	Standard ID:	

Analyte	True	ICV(CD) 9/28/2006 5:15:01 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Cadmium	4.0	3.82	96						

GPL Laboratories, LLLP

Initial Calibration Verification

Project:	609093	Instrument:	7470
Units:	ug/L	Data File Name:	HG061002B.PRN
Standard Source:	CPI	Standard ID:	

Analyte	True	Ck2 ICV 10/2/2006 4:38:44 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Mercury	3.0	3.22	107						

GPL Laboratories, LLLP

Continuing Calibration Verification

Project:	609093	Instrument:	301x
Units:	ug/L	Data File Name:	060928MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	True	CCV1 9/28/2006 5:27:16 PM		CCV2 9/28/2006 6:10:04 PM		CCV3 9/28/2006 7:23:38 PM		CCV4 9/28/2006 8:37:16 PM	
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	5000.0	4985.67	100	4990.00	100	5089.33	102	5142.67	103
Antimony	50.0	50.25	101	50.35	101	50.76	102	50.30	101
Arsenic	50.0	48.77	98	49.05	98	48.59	97	49.64	99
Barium	50.0	48.63	97	48.38	97	48.92	98	48.78	98
Beryllium	5.0	4.98	100	4.88	98	4.84	97	4.79	96
Cadmium	50.0	49.46	99	49.11	98	49.62	99	50.21	100
Calcium	10000.0	9851.33	99	9894.33	99	9842.67	98	9836.00	98
Chromium	50.0	48.18	96	48.20	96	47.87	96	48.29	97
Cobalt	50.0	48.37	97	49.03	98	49.28	99	49.38	99
Copper	50.0	48.37	97	48.90	98	49.30	99	49.15	98
Iron	5000.0	5035.00	101	5021.33	100	5103.33	102	5192.33	104
Lead	50.0	48.89	98	49.07	98	48.95	98	48.81	98
Magnesium	10000.0	9499.33	95	9478.33	95	9568.00	96	10051.00	101
Manganese	50.0	48.91	98	49.03	98	49.04	98	49.80	100
Molybdenum	50.0	49.77	100	51.01	102	49.24	98	49.20	98
Nickel	50.0	48.85	98	49.11	98	49.74	99	49.23	98
Potassium	10000.0	9503.00	95	9471.67	95	9610.00	96	9806.67	98
Selenium	50.0	47.68	95	47.83	96	46.50	93	48.90	98
Silver	50.0	49.57	99	49.67	99	49.57	99	49.71	99
Sodium	10000.0	9605.33	96	9574.00	96	9730.00	97	10086.67	101
Strontium	50.0	49.79	100	49.28	99	48.85	98	49.37	99
Thallium	50.0	47.87	96	49.16	98	47.97	96	48.33	97
Titanium	50.0	49.72	99	49.64	99	49.63	99	49.62	99
Vanadium	50.0	49.41	99	49.07	98	49.86	100	49.06	98
Zinc	50.0	49.23	98	49.73	99	50.17	100	49.57	99

GPL Laboratories, LLLP
Continuing Calibration Verification

Project:	609093	Instrument:	301x
Units:	ug/L	Data File Name:	060928MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	True	CCV5 9/28/2006 9:50:57 PM		CCV6 9/28/2006 11:04:36 PM		CCV7 9/29/2006 12:18:15 AM			
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	5000.0	5276.33	106	5167.00	103	5051.00	101		
Antimony	50.0	50.31	101	50.23	100	50.70	101		
Arsenic	50.0	49.45	99	48.49	97	49.29	99		
Barium	50.0	49.05	98	48.93	98	49.09	98		
Beryllium	5.0	4.91	98	4.84	97	4.85	97		
Cadmium	50.0	50.15	100	49.46	99	49.91	100		
Calcium	10000.0	9867.33	99	9927.33	99	9878.00	99		
Chromium	50.0	48.67	97	47.98	96	47.12	94		
Cobalt	50.0	49.82	100	48.99	98	48.79	98		
Copper	50.0	49.58	99	49.07	98	48.17	96		
Iron	5000.0	5268.67	105	5196.00	104	5166.67	103		
Lead	50.0	48.53	97	48.59	97	48.71	97		
Magnesium	10000.0	10366.67	104	10054.00	101	9737.33	97		
Manganese	50.0	49.82	100	49.23	98	48.82	98		
Molybdenum	50.0	49.41	99	49.73	99	49.41	99		
Nickel	50.0	50.76	102	49.34	99	48.80	98		
Potassium	10000.0	10026.67	100	9901.33	99	9752.33	98		
Selenium	50.0	48.11	96	46.59	93	48.32	97		
Silver	50.0	50.09	100	49.21	98	49.20	98		
Sodium	10000.0	10423.33	104	10220.00	102	9944.67	99		
Strontium	50.0	49.49	99	49.39	99	49.47	99		
Thallium	50.0	48.47	97	47.35	95	47.48	95		
Titanium	50.0	48.46	97	48.46	97	48.80	98		
Vanadium	50.0	49.57	99	48.54	97	49.04	98		
Zinc	50.0	49.99	100	50.41	101	50.57	101		

GPL Laboratories, LLLP

Continuing Calibration Verification

Project:	609093	Instrument:	7470
Units:	ug/L	Data File Name:	HG061002B.PRN
Standard Source:	AB.ST.	Standard ID:	

Analyte	True	Ck5 CCV1 10/2/2006 4:45:27 PM		Ck5 CCV2 10/2/2006 5:13:20 PM		Ck5 CCV3 10/2/2006 5:41:22 PM		Ck5 CCV4 10/2/2006 6:02:03 PM	
		Found	%R	Found	%R	Found	%R	Found	%R
Mercury	5.0	5.02	100	5.02	100	5.06	101	5.09	102

GPL Laboratories, LLLP

Low Level Check Standard

Project:	609093	Instrument:	301x
Units:	ug/L	Data File Name:	060928MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	True	PQL 9/28/2006 5:39:32 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	100.0	102.87	103						
Antimony	1.0	1.10	110						
Arsenic	5.0	4.90	98						
Barium	5.0	5.36	107						
Beryllium	0.2	0.20	99						
Cadmium	0.5	0.51	101						
Calcium	1000.0	1016.67	102						
Chromium	2.0	1.61	81						
Cobalt	1.0	1.02	102						
Copper	2.0	2.12	106						
Iron	50.0	43.30	87						
Lead	2.0	1.96	98						
Magnesium	100.0	95.56	96						
Manganese	2.0	1.98	99						
Molybdenum	5.0	5.05	101						
Nickel	1.0	1.11	111						
Potassium	1000.0	944.87	94						
Selenium	5.0	5.51	110						
Silver	0.3	0.32	106						
Sodium	1000.0	929.60	93						
Strontium	2.0	1.96	98						
Thallium	2.0	1.91	96						
Titanium	2.0	2.06	103						
Vanadium	10.0	10.34	103						
Zinc	10.0	9.95	99						

GPL Laboratories, LLLP

Low Level Check Standard

Project:	609093	Instrument:	7470
Units:	ug/L	Data File Name:	HG061002B.PRN
Standard Source:	AB.ST	Standard ID:	

Analyte	True	Ck4 CRA 10/2/2006 4:43:18 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Mercury	0.2	0.22	111						

GPL Laboratories, LLLP
Initial Calibration Blanks

Project:	609093	Instrument:	301x
Units:	ug/L	Data File Name:	060928MS.csv
Standard Source:		Standard ID:	

Analyte	RL	ICB 9/28/2006 5:21:09 PM							
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Aluminum	100.00	5.50	U						
Antimony	1.00	0.13	U						
Arsenic	5.00	1.00	U						
Barium	5.00	0.15	U						
Beryllium	0.20	0.03	U						
Cadmium	0.50	0.17	U						
Calcium	1000.00	45.40	U						
Chromium	2.00	1.30	U						
Cobalt	1.00	0.02	U						
Copper	2.00	0.43	U						
Iron	50.00	5.50	U						
Lead	2.00	0.18	U						
Magnesium	100.00	4.80	U						
Manganese	2.00	0.39	U						
Molybdenum	5.00	0.12	U						
Nickel	1.00	0.15	U						
Potassium	1000.00	13.80	U						
Selenium	5.00	0.75	U						
Silver	0.30	0.03	U						
Sodium	1000.00	12.50	U						
Strontium	2.00	0.17	U						
Thallium	2.00	0.12	J						
Titanium	2.00	0.29	U						
Vanadium	10.00	2.50	U						
Zinc	10.00	1.80	U						

GPL Laboratories, LLLP

Initial Calibration Blanks

Project:	609093	Instrument:	7470
Units:	ug/L	Data File Name:	HG061002B.PRN
Standard Source:		Standard ID:	

Analyte	RL	Ck3 ICB 10/2/2006 4:41:12 PM							
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Mercury	0.20	0.03	U						

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Continuing Calibration Blanks

Project:	609093	Instrument:	301x
Units:	ug/L	Data File Name:	060928MS.csv
Standard Source:		Standard ID:	

Analyte	RL	CCB1 9/28/2006 5:33:24 PM		CCB2 9/28/2006 6:16:12 PM		CCB3 9/28/2006 7:29:47 PM		CCB4 9/28/2006 8:43:26 PM	
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Aluminum	100.00	5.50	U	5.50	U	5.50	U	6.12	J
Antimony	1.00	0.13	U	0.13	U	0.13	U	0.13	U
Arsenic	5.00	1.00	U	1.00	U	1.00	U	1.00	U
Barium	5.00	0.15	U	0.15	U	0.15	U	0.15	U
Beryllium	0.20	0.03	U	0.03	U	0.03	U	0.03	U
Cadmium	0.50	0.17	U	0.17	U	0.17	U	0.17	U
Calcium	1000.00	45.40	U	45.40	U	45.40	U	45.40	U
Chromium	2.00	1.30	U	1.30	U	1.30	U	1.30	U
Cobalt	1.00	0.02	U	0.02	U	0.02	U	0.03	J
Copper	2.00	0.43	U	0.43	U	0.43	U	0.43	U
Iron	50.00	5.50	U	5.50	U	5.50	U	7.32	J
Lead	2.00	0.18	U	0.18	U	0.18	U	0.18	U
Magnesium	100.00	4.80	U	4.80	U	4.80	U	4.80	U
Manganese	2.00	0.39	U	0.39	U	0.39	U	0.42	J
Molybdenum	5.00	0.12	U	0.44	J	0.12	U	0.12	U
Nickel	1.00	0.15	U	0.15	U	0.15	U	0.15	U
Potassium	1000.00	13.80	U	13.80	U	13.80	U	13.80	U
Selenium	5.00	0.75	U	0.75	U	0.75	U	0.75	U
Silver	0.30	0.03	U	0.03	U	0.03	U	0.03	U
Sodium	1000.00	12.50	U	12.50	U	12.50	U	12.50	U
Strontium	2.00	0.17	U	0.17	U	0.17	U	0.17	U
Thallium	2.00	0.23	J	0.37	J	0.32	J	0.21	J
Titanium	2.00	0.29	U	0.29	U	0.29	U	0.43	J
Vanadium	10.00	2.50	U	2.50	U	2.50	U	2.50	U
Zinc	10.00	1.80	U	1.80	U	1.80	U	1.80	U

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Continuing Calibration Blanks

Project:	609093	Instrument:	301x
Units:	ug/L	Data File Name:	060928MS.csv
Standard Source:		Standard ID:	

Analyte	RL	CCB5 9/28/2006 9:57:05 PM		CCB6 9/28/2006 11:10:42 PM		CCB7 9/29/2006 12:24:21 AM			
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Aluminum	100.00	5.50	U	5.50	U	5.50	U		
Antimony	1.00	0.13	U	0.13	U	0.13	U		
Arsenic	5.00	1.00	U	1.00	U	1.00	U		
Barium	5.00	0.15	U	0.15	U	0.15	U		
Beryllium	0.20	0.03	U	0.03	U	0.03	U		
Cadmium	0.50	0.17	U	0.17	U	0.17	U		
Calcium	1000.00	45.40	U	45.40	U	45.40	U		
Chromium	2.00	1.30	U	1.30	U	1.30	U		
Cobalt	1.00	0.02	J	0.02	U	0.02	U		
Copper	2.00	0.43	U	0.43	U	0.43	U		
Iron	50.00	5.50	U	5.50	U	5.50	U		
Lead	2.00	0.18	U	0.18	U	0.18	U		
Magnesium	100.00	4.80	U	4.80	U	4.80	U		
Manganese	2.00	0.39	U	0.39	U	0.39	U		
Molybdenum	5.00	0.12	U	0.12	U	0.12	U		
Nickel	1.00	0.15	U	0.15	U	0.15	U		
Potassium	1000.00	13.80	U	13.80	U	13.80	U		
Selenium	5.00	0.75	U	0.75	U	0.75	U		
Silver	0.30	0.03	U	0.03	U	0.03	U		
Sodium	1000.00	12.50	U	12.50	U	12.50	U		
Strontium	2.00	0.17	U	0.17	U	0.17	U		
Thallium	2.00	0.19	J	0.23	J	0.27	J		
Titanium	2.00	0.29	U	0.29	U	0.29	U		
Vanadium	10.00	2.50	U	2.50	U	2.50	U		
Zinc	10.00	1.80	U	1.80	U	1.80	U		

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Continuing Calibration Blanks

Project:	609093	Instrument:	7470
Units:	ug/L	Data File Name:	HG061002B.PRN
Standard Source:		Standard ID:	

Analyte	RL	Ck6 CCB1 10/2/2006 4:47:43 PM		Ck6 CCB2 10/2/2006 5:15:41 PM		Ck6 CCB3 10/2/2006 5:43:48 PM		Ck6 CCB4 10/2/2006 6:04:19 PM	
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Mercury	0.20	0.03	U	0.03	U	0.03	U	0.03	U

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Interference Check Standards

Project:	609093	Instrument:	301x
Units:	ug/L	Data File Name:	060928MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	RL	True		Initial Found				Final Found			
		Sol. A	Sol. B	ICSA 09/28/06 17:45	%R	ICSAB 09/28/06 17:51	%R		%R		%R
Aluminum	100		100000	98700	99	98900	99				
Antimony	1		20	0.19		18.5	92				
Arsenic	5		20	0.94		18.7	93				
Barium	5		20	0.54		20.0	100				
Beryllium	0.2		20	-0.0070		16.9	84				
Cadmium	0.5		20	0.12		17.1	85				
Calcium	1000		300000	314000		314000	105				
Chromium	2		20	0.57		19.1	95				
Cobalt	1		20	0.081		18.2	91				
Copper	2		20	0.67		17.1	86				
Iron	50		250000	246000	99	246000	98				
Lead	2		20	0.13		20.4	102				
Magnesium	100		100000	96400	96	93400	93				
Manganese	2		20	0.061		18.8	94				
Molybdenum	5		2000	1990	100	1970	99				
Nickel	1		20	0.27		17.4	87				
Potassium	1000		100000	98500	99	97600	98				
Selenium	5		20	1.1		16.4	82				
Silver	0.3		20	0.11		17.3	86				
Sodium	1000		250000	253000	101	246000	98				
Strontium	2		20	4.2		24.3	121				
Thallium	2		20	0.17		20.2	101				
Titanium	2		2000	2070	103	2070	103				
Vanadium	10		20	-0.14		19.1	96				
Zinc	10		20	1.6		17.6	88				

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Matrix Spike Recovery

Client ID:	NWO-011-2002 MS	Lab Sample ID:	SP609088-001-005-1/1
Project:	609093	Instrument:	301x
Units:	ug/L	Data File Name:	060928MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	Spiked Sample Result 09/28/06 22:21		Sample Result 09/28/06 22:15		Spike Added	%R
Aluminum	5243.00		5.74	J	5000.00	105
Antimony	46.05		0.13	U	50.00	92
Arsenic	45.38		1.00	U	50.00	91
Barium	570.93		78.88		500.00	98
Beryllium	22.86		0.03	U	25.00	91
Cadmium	47.01		0.17	U	50.00	94
Calcium	46493.33		40790.00		5000.00	114
Chromium	239.37		1.30	U	250.00	96
Cobalt	243.07		0.14	J	250.00	97
Copper	243.17		1.75	J	250.00	97
Iron	5270.33		16.58	J	5000.00	105
Lead	489.50		0.35	J	500.00	98
Magnesium	31003.33		25316.67		5000.00	114
Manganese	588.70		84.34		500.00	101
Molybdenum	240.13		1.00	J	250.00	96
Nickel	247.73		0.88	J	250.00	99
Potassium	9209.67		4223.33		5000.00	100
Selenium	40.22		0.75	U	50.00	80
Silver	48.98		0.03	U	50.00	98
Sodium	9696.00		4308.33		5000.00	108
Strontium	553.17		41.85		500.00	102
Thallium	50.20		0.22	J	50.00	100
Titanium	937.10		1.07	J	1000.00	94
Vanadium	244.50		2.50	U	250.00	98
Zinc	441.63		5.30	J	500.00	87

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Matrix Spike Recovery

Client ID:	122022-AQ-0019 MS	Lab Sample ID:	SP609112-005-027-1/1
Project:	609093	Instrument:	7470
Units:	ug/L	Data File Name:	HG061002B.PRN
Standard Source:	AB.ST.	Standard ID:	

Analyte	Spiked Sample Result 10/02/06 17:55		Sample Result 10/02/06 17:53		Spike Added	%R
Mercury	0.99		0.03	U	1.00	99

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Matrix Spike Duplicate Recovery

Client ID:	NWO-011-2002 MSD	Lab Sample ID:	SD609088-001-005-1/1
Project:	609093	Instrument:	301x
Units:	ug/L	Data File Name:	060928MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	Spiked Sample Result 09/28/06 22:27		Sample Result 09/28/06 22:15		Spike Added	%R
Aluminum	5136.67		5.74	J	5000.00	103
Antimony	46.63		0.13	U	50.00	93
Arsenic	45.78		1.00	U	50.00	92
Barium	564.33		78.88		500.00	97
Beryllium	21.87		0.03	U	25.00	87
Cadmium	48.00		0.17	U	50.00	96
Calcium	46213.33		40790.00		5000.00	108
Chromium	235.63		1.30	U	250.00	94
Cobalt	240.00		0.14	J	250.00	96
Copper	238.00		1.75	J	250.00	94
Iron	5211.00		16.58	J	5000.00	104
Lead	486.70		0.35	J	500.00	97
Magnesium	30596.67		25316.67		5000.00	106
Manganese	585.27		84.34		500.00	100
Molybdenum	235.70		1.00	J	250.00	94
Nickel	241.23		0.88	J	250.00	96
Potassium	9168.33		4223.33		5000.00	99
Selenium	40.06		0.75	U	50.00	80
Silver	48.01		0.03	U	50.00	96
Sodium	9472.67		4308.33		5000.00	103
Strontium	547.00		41.85		500.00	101
Thallium	49.85		0.22	J	50.00	99
Titanium	924.27		1.07	J	1000.00	92
Vanadium	241.50		2.50	U	250.00	97
Zinc	452.13		5.30	J	500.00	89

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Matrix Spike Duplicate Recovery

Client ID:	122022-AQ-0019 MSD	Lab Sample ID:	SD609112-005-027-1/1
Project:	609093	Instrument:	7470
Units:	ug/L	Data File Name:	HG061002B.PRN
Standard Source:	AB.ST.	Standard ID:	

Analyte	Spiked Sample Result 10/02/06 17:57		Sample Result 10/02/06 17:53		Spike Added	%R
Mercury	1.00		0.03	U	1.00	100

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Duplicates (RPD)

Client ID:	NWO-011-2002 MSD	Lab Sample ID:	SD609088-001-005-1/1
Project:	609093	Instrument:	301x
Units:	ug/L	Data File Name:	060928MS.csv

10/4/06 dp

Analyte	MATRIX SPIKE ~~Original~~ Sample Results		MATRIX SPIKE Duplicate Sample Results		RPD	Control Limit	Q
Aluminum	5243.00		5136.67		2	20	
Antimony	46.05		46.63		1	20	
Arsenic	45.38		45.78		1	20	
Barium	570.93		564.33		1	20	
Beryllium	22.86		21.87		4	20	
Cadmium	47.01		48.00		2	20	
Calcium	46493.33		46213.33		1	20	
Chromium	239.37		235.63		2	20	
Cobalt	243.07		240.00		1	20	
Copper	243.17		238.00		2	20	
Iron	5270.33		5211.00		1	20	
Lead	489.50		486.70		1	20	
Magnesium	31003.33		30596.67		1	20	
Manganese	588.70		585.27		1	20	
Molybdenum	240.13		235.70		2	20	
Nickel	247.73		241.23		3	20	
Potassium	9209.67		9168.33		0	20	
Selenium	40.22		40.06		0	20	
Silver	48.98		48.01		2	20	
Sodium	9696.00		9472.67		2	20	
Strontium	553.17		547.00		1	20	
Thallium	50.20		49.85		1	20	
Titanium	937.10		924.27		1	20	
Vanadium	244.50		241.50		1	20	
Zinc	441.63		452.13		2	20	

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Duplicates (RPD)

Client ID:	122022-AQ-0019 MSD	Lab Sample ID:	SD609112-005-027-1/1
Project:	609093	Instrument:	7470
Units:	ug/L	Data File Name:	HG061002B.PRN

10/4/06 ctp

Analyte	MATRIX SPIKE ~~Original~~ Sample Results		MATRIX SPIKE Duplicate Sample Results		RPD	Control Limit	Q
Mercury	0.99		1.00		1	20	

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Laboratory Control Sample

Project:	609093	Lab Sample ID:	BKS94062
Units:	ug/L	Instrument:	301x
		Data File Name:	060928MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	Spiked Sample Result 09/28/06 22:09	Spike Added	%R
Aluminum	5040.00	5000.00	101
Antimony	46.97	50.00	94
Arsenic	46.09	50.00	92
Barium	488.43	500.00	98
Beryllium	22.15	25.00	89
Cadmium	48.42	50.00	97
Calcium	5246.00	5000.00	105
Chromium	239.20	250.00	96
Cobalt	243.23	250.00	97
Copper	244.70	250.00	98
Iron	5116.00	5000.00	102
Lead	485.63	500.00	97
Magnesium	4891.00	5000.00	98
Manganese	493.20	500.00	99
Molybdenum	236.17	250.00	94
Nickel	247.27	250.00	99
Potassium	4862.67	5000.00	97
Selenium	41.93	50.00	84
Silver	49.31	50.00	99
Sodium	5174.33	5000.00	103
Strontium	477.67	500.00	96
Thallium	49.89	50.00	100
Titanium	926.67	1000.00	93
Vanadium	241.40	250.00	97
Zinc	458.20	500.00	92

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Laboratory Control Sample

Project:	609093	Lab Sample ID:	BKS94068
Units:	ug/L	Instrument:	7470
		Data File Name:	HG061002B.PRN
Standard Source:	AB.ST.	Standard ID:	

Analyte	Spiked Sample Result 10/02/06 16:52	Spike Added	%R
Mercury	0.99	1.00	99

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Serial Dilutions

Client ID:	NWO-011-2002	Lab Sample ID:	SE609088-001-005-1/1
Project:	609093	Instrument:	301x
Units:	ug/L	Data File Name:	060928MS.csv

Analyte	Sample Result 09/28/06 22:15		Serial Dilution Result 09/28/06 22:40		Percent Difference	Flag
Aluminum	5.74	J	27.50	U	100	
Antimony	0.13	U	0.71	J		
Arsenic	1.00	U	5.00	U		
Barium	78.88		77.17		2	
Beryllium	0.03	U	0.14	U		
Cadmium	0.17	U	0.85	U		
Calcium	40790.00		38493.33		6	
Chromium	1.30	U	6.50	U		
Cobalt	0.14	J	0.12	J	14	
Copper	1.75	J	2.15	U	100	
Iron	16.58	J	27.50	U	100	
Lead	0.35	J	0.90	U	100	
Magnesium	25316.67		25093.33		1	
Manganese	84.34		84.92		1	
Molybdenum	1.00	J	1.22	J	23	
Nickel	0.88	J	0.91	J	3	
Potassium	4223.33		4142.17	J	2	
Selenium	0.75	U	3.75	U		
Silver	0.03	U	0.15	U		
Sodium	4308.33		4284.00	J	1	
Strontium	41.85		40.95		2	
Thallium	0.22	J	0.60	J	168	
Titanium	1.07	J	1.45	U	100	
Vanadium	2.50	U	12.50	U		
Zinc	5.30	J	11.96	J	126	

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Detection Limits

Project: 609093 Instrument: 301x

Units: ug/L

Analyte	Wavelength/Mass	Reporting Limit	Method Detection Limit	Date of MDL
Aluminum	27	100	5.5	04/19/06
Antimony	121	1.0	0.13	04/19/06
Arsenic	75	5.0	1.0	04/19/06
Barium	137	5.0	0.15	04/19/06
Beryllium	9	0.20	0.028	04/19/06
Cadmium	110	0.50	0.17	04/19/06
Calcium	44	1000	45.4	04/19/06
Chromium	52	2.0	1.3	04/19/06
Cobalt	59	1.0	0.016	04/19/06
Copper	65	2.0	0.43	04/19/06
Iron	56	50.0	5.5	04/19/06
Lead	208	2.0	0.18	04/19/06
Magnesium	25	100	4.8	04/19/06
Manganese	55	2.0	0.39	04/19/06
Molybdenum	95	5.0	0.12	04/19/06
Nickel	60	1.0	0.15	04/19/06
Potassium	39	1000	13.8	04/19/06
Selenium	82	5.0	0.75	04/19/06
Silver	107	0.30	0.029	04/19/06
Sodium	23	1000	12.5	04/19/06
Strontium	88	2.0	0.17	04/19/06
Thallium	203	2.0	0.074	04/19/06
Titanium	47	2.0	0.29	04/19/06
Vanadium	51	10.0	2.5	04/19/06
Zinc	66	10.0	1.8	04/19/06

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Detection Limits

Project: 609093 Instrument: 7470

Units: ug/L

Analyte	Wavelength/Mass	Reporting Limit	Method Detection Limit	Date of MDL
Mercury	253.7	0.20	0.034	08/02/06

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Linear Dynamic Ranges

Project: 609093 Instrument: 301x

Units: ug/L

Analyte	Wavelength/Mass	Linear Dynamic Range	Date of LDR 10/4/06
Aluminum	27	110000	~~04/19/06~~ 9/28/06
Antimony	121	550	04/19/06
Arsenic	75	1100	04/19/06
Barium	137	5500	04/19/06
Beryllium	9	275	04/19/06
Cadmium	110	1100	04/19/06
Calcium	44	330000	04/19/06
Chromium	52	5500	04/19/06
Cobalt	59	5500	04/19/06
Copper	65	5500	04/19/06
Iron	56	275000	04/19/06
Lead	208	11000	04/19/06
Magnesium	25	110000	04/19/06
Manganese	55	5500	04/19/06
Molybdenum	95	5500	04/19/06
Nickel	60	4125	04/19/06
Potassium	39	110000	04/19/06
Selenium	82	1100	04/19/06
Silver	107	550	04/19/06
Sodium	23	275000	04/19/06
Strontium	88	6000	04/19/06
Thallium	203	1100	04/19/06
Titanium	47	5500	04/19/06
Vanadium	51	5500	04/19/06
Zinc	66	2750	~~04/19/06~~

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Preparation Log

Project:	609093	Instrument:	301x
Prep Method:	Preparation for the Manual Cold	Batch Number:	94062

Lab Sample ID	Client ID	Preparation Date	Initial Volume (ml)	Final Volume (ml)
BLK94062	BLK94062	09/21/2006	100.00	100
BKS94062	BKS94062	09/21/2006	100.00	100
S 609088-001-005-1/1	NWO-011-2002	09/21/2006	100.00	100
SP609088-001-005-1/1	NWO-011-2002 MS	09/21/2006	100.00	100
S 609093-001-001-1/1	NWO-017-3002	09/21/2006	100.00	100
S 609093-004-014-1/1	NWO-017-3009	09/21/2006	100.00	100
S 609093-002-013-1/1	NWO-017-3010	09/21/2006	100.00	100
S 609093-003-002-1/1	NWO-017-6001	09/21/2006	100.00	100
SD609088-001-005-1/1	NWO-011-2002 MSD	09/21/2006	100.00	100

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Preparation Log

Project: 609093 Instrument: 7470

Prep Method: Batch Number: 94068

Lab Sample ID	Client ID	Preparation Date	Initial Volume (ml)	Final Volume (ml)
BLK94068	BLK94068	09/29/2006	100.00	100
BKS94068	BKS94068	09/29/2006	100.00	100
S 609112-005-027-1/1	122022-AQ-0019	09/29/2006	100.00	100
SP609112-005-027-1/1	122022-AQ-0019 MS	09/29/2006	100.00	100
S 609093-004-014-1/1	NWO-017-3009	09/29/2006	100.00	100
S 609093-002-013-1/1	NWO-017-3010	09/29/2006	100.00	100
S 609093-003-002-1/1	NWO-017-6001	09/29/2006	100.00	100
SD609112-005-027-1/1	122022-AQ-0019 MSD	09/29/2006	100.00	100

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Analysis Run Log

Project: 609093 Instrument: 301x

Data File Name: 060928MS.csv

Sample Name	Client ID	Analysis Date	Analysis Time
BLANK		09/28/06	4:34 PM
STD1		09/28/06	4:39 PM
STD2		09/28/06	4:44 PM
STD3		09/28/06	4:49 PM
STD4		09/28/06	4:54 PM
STD5		09/28/06	4:59 PM
STD6		09/28/06	5:04 PM
ICV		09/28/06	5:09 PM
ICV(CD)		09/28/06	5:15 PM
ICB		09/28/06	5:21 PM
CCV1		09/28/06	5:27 PM
CCB1		09/28/06	5:33 PM
PQL		09/28/06	5:39 PM
ICSA		09/28/06	5:45 PM
ICSAB		09/28/06	5:51 PM
CCV2		09/28/06	6:10 PM
CCB2		09/28/06	6:16 PM
CCV3		09/28/06	7:23 PM
CCB3		09/28/06	7:29 PM
CCV4		09/28/06	8:37 PM
CCB4		09/28/06	8:43 PM
CCV5		09/28/06	9:50 PM
CCB5		09/28/06	9:57 PM
BLK94062	BLK94062	09/28/06	10:03 PM
BKS94062	BKS94062	09/28/06	10:09 PM
S 609088-001-005-1/1	NWO-011-2002	09/28/06	10:15 PM
SP609088-001-005-1/1	NWO-011-2002 MS	09/28/06	10:21 PM
SD609088-001-005-1/1	NWO-011-2002 MSD	09/28/06	10:27 PM
SE609088-001-005-1/1	NWO-011-2002	09/28/06	10:40 PM
CCV6		09/28/06	11:04 PM
CCB6		09/28/06	11:10 PM
S 609093-001-001-1/1	NWO-017-3002	09/28/06	11:16 PM
S 609093-002-013-1/1	NWO-017-3010	09/28/06	11:22 PM
S 609093-003-002-1/1	NWO-017-6001	09/28/06	11:29 PM
S 609093-004-014-1/1	NWO-017-3009	09/28/06	11:35 PM
CCV7		09/29/06	12:18 AM
CCB7		09/29/06	12:24 AM

GPL Laboratories, LLLP
Analysis Run Log

Project: 609093 Instrument: 7470

Data File Name: HG061002B.PRN

Sample Name	Client ID	Analysis Date	Analysis Time
Std01Rep1		10/02/06	3:52 PM
Std01Rep2		10/02/06	3:54 PM
Std01Rep3		10/02/06	3:56 PM
Std02Rep1		10/02/06	3:59 PM
Std02Rep2		10/02/06	4:01 PM
Std02Rep3		10/02/06	4:05 PM
Std03Rep1		10/02/06	4:09 PM
Std03Rep2		10/02/06	4:11 PM
Std03Rep3		10/02/06	4:13 PM
Std04Rep1		10/02/06	4:16 PM
Std04Rep2		10/02/06	4:18 PM
Std04Rep3		10/02/06	4:20 PM
Std05Rep1		10/02/06	4:22 PM
Std05Rep2		10/02/06	4:25 PM
Std05Rep3		10/02/06	4:28 PM
Std06Rep1		10/02/06	4:30 PM
Std06Rep2		10/02/06	4:32 PM
Std06Rep3		10/02/06	4:34 PM
Ck2 ICV		10/02/06	4:38 PM
Ck3 ICB		10/02/06	4:41 PM
Ck4 CRA		10/02/06	4:43 PM
Ck5 CCV1		10/02/06	4:45 PM
Ck6 CCB1		10/02/06	4:47 PM
BLK94068	BLK94068	10/02/06	4:49 PM
BKS94068	BKS94068	10/02/06	4:52 PM
S 609093-002-013-1/1	NWO-017-3010	10/02/06	4:57 PM
S 609093-003-002-1/1	NWO-017-6001	10/02/06	4:59 PM
S 609093-004-014-1/1	NWO-017-3009	10/02/06	5:02 PM
Ck5 CCV2		10/02/06	5:13 PM
Ck6 CCB2		10/02/06	5:15 PM
Ck5 CCV3		10/02/06	5:41 PM
Ck6 CCB3		10/02/06	5:43 PM
S 609112-005-027-1/1	122022-AQ-0019	10/02/06	5:53 PM
SP609112-005-027-1/1	122022-AQ-0019 MS	10/02/06	5:55 PM
SD609112-005-027-1/1	122022-AQ-0019 MSD	10/02/06	5:57 PM
Ck5 CCV4		10/02/06	6:02 PM
Ck6 CCB4		10/02/06	6:04 PM

ICPMS ANALYSIS LOG

Instrument ID: ICPMS (X0206) Inst. Method: 6020A Nebulizer: CONIKAL

Analytical Batch No: 060928MS

Workorder	Project/SDG #	Prep. Seq.	Batch #	Matrix s/w/e	Prep. Date	Method	Comments / Dilution
609054	SHAW		136	S	9.21.06	6020A	20x ON 002, 006 / 10x ON 006
609054		93952	137				~~10x, 20x ON 006~~ 10x ON ALL
609069		93952	137				
609088		94062	135	W			
609089							
609093							
609072	FLATWATER	93804	126	S	9.18.06		10x ON ALL BATCH QC ONLY
609079	ZAPATA						
609073	APEX		125	W			BATCH QC ONLY
609079	ZAPATA						
							I.S. - No Y

Source Solution Numbers			
Stds.	Number	Stds.	Number
S0	129-102-04	ICV	38188
S1	37871	CCV	38168
S2	37872	ICSA	38169
S3	37873	ICSAB	38170
S4	38185	CRI STOCK	38187
S5	38186	Low Ck	38153
Ints	38171	LR	37926

Post Digestion Spikes

Spike 9.9 mls of sample with 0.1 mls of 35664

Samples:

609054-006-005-1/3

609069-001-013-1/6

609088-001-005-1/31

609073-001-001-1/1

Analyst: [signature] Date: 9.29.06 Reviewed: RA Date: 9-29-06

ICP ANALYSIS LOG

GPL - Maryland Laboratory | ICPMS Analysis Log | Data File: 060928MS.csv

Seq	Sample Name	DB	Date	Time	Seq	Sample Name	DB	Date	Time	Seq	Sample Name	DB	Date	Time	Seq	Sample Name	DB	Date	Time	Seq	Sample Name	DB	Date	Time
1	BLANK		10/20/2006	10:34	31	SE600054-008-005-1/		10/20/2006	10:35	61	SE600008-001-005-1/		10/20/2006	22:40	91	S 000070-010-010-1/1		10/20/2006	1:44					
2	STD1		10/20/2006	10:38	32	BLK03052		10/20/2006	10:42	62	S 000000-001-001-1/1		10/20/2006	22:46	92	S 000070-011-011-1/1		10/20/2006	1:50					
3	STD2		10/20/2006	10:44	33	BLKS03052		10/20/2006	10:48	63	S 000000-002-002-1/1		10/20/2006	22:52	93	BLK(125)		10/20/2006	2:07					
4	STD3		10/20/2006	10:49	34	S 000054-009-004-1/1		10/20/2006	10:54	64	S 000000-003-012-1/1		10/20/2006	22:56	94	BLKS(125)		10/20/2006	2:08					
5	STD4		10/20/2006	10:54	35	S 000000-001-013-1/0		10/20/2006	20:00	65	CCV		10/20/2006	23:04	95	S 000073-001-001-1/1		10/20/2006	2:14					
6	STD5		10/20/2006	10:59	36	SP000000-001-013-1/		10/20/2006	20:00	66	CCB		10/20/2006	23:10	96	SP000073-001-001-1/		10/20/2006	2:21					
7	STD6		10/20/2006	11:04	37	SD000000-001-013-1/		10/20/2006	20:12	67	S 000003-001-001-1/1		10/20/2006	23:16	97	SD000073-001-001-1/		10/20/2006	2:27					
8	CCV		10/20/2006	11:09	38	PS000000-001-013-1/		10/20/2006	20:16	68	S 000003-002-013-1/1		10/20/2006	23:22	98	PS000073-001-001-1/		10/20/2006	2:33					
9	CCV(CD)		10/20/2006	11:15	39	SE600009-001-013-1/		10/20/2006	20:24	69	S 000003-003-002-1/1		10/20/2006	23:29	99	SE000073-001-001-1/		10/20/2006	2:39					
10	CCB		10/20/2006	11:21	40	S 000000-002-001-1/2		10/20/2006	20:31	70	S 000003-004-014-1/1		10/20/2006	23:35	100	S 000070-012-012-1/1		10/20/2006	2:45					
11	CCV		10/20/2006	11:27	41	CCV		10/20/2006	20:37	71	BLK03004		10/20/2006	23:41	101	CCV		10/20/2006	2:51					
12	CCB		10/20/2006	11:33	42	CCB		10/20/2006	20:43	72	BLKS03004		10/20/2006	23:47	102	CCB		10/20/2006	2:57					
13	POL		10/20/2006	11:39	43	S 000000-003-003-1/2		10/20/2006	20:49	73	S 000072-001-001-1/1		10/20/2006	23:53	103	ICSA		10/20/2006	3:04					
14	ICSA		10/20/2006	11:45	44	S 000000-004-010-1/1		10/20/2006	20:55	74	SP000072-001-001-1/		10/20/2006	23:59	104	ICSAB		10/20/2006	3:10					
15	ICSAB		10/20/2006	11:51	45	S 000000-005-020-1/1		10/20/2006	21:01	75	SD000072-001-001-1/		10/20/2006	0:00	105	CCV		10/20/2006	3:22					
16	RIBc		10/20/2006	11:57	46	S 000000-006-005-1/2		10/20/2006	21:06	76	PS000072-001-001-1/		10/20/2006	0:12	106	CCB		10/20/2006	3:28					
17	CCV		10/20/2006	12:10	47	S 000000-007-007-1/2		10/20/2006	21:14	77	CCV		10/20/2006	0:18										
18	CCB		10/20/2006	12:16	48	S 000000-008-008-1/2		10/20/2006	21:20	78	CCB		10/20/2006	0:24										
19	S 000054-002-008-1/2		10/20/2006	12:22	49	S 000000-009-021-1/1		10/20/2006	21:26	79	SE000072-001-001-1/		10/20/2006	0:30										
20	S 000054-008-005-1/3		10/20/2006	12:28	50	S 000000-010-022-1/1		10/20/2006	21:32	80	S 000070-001-001-1/1		10/20/2006	0:36										
21	SP000054-008-005-1/		10/20/2006	12:34	51	S 000000-011-011-1/2		10/20/2006	21:38	81	S 000070-002-002-1/1		10/20/2006	0:42										
22	SD000054-008-005-1/		10/20/2006	12:40	52	S 000000-012-023-1/1		10/20/2006	21:44	82	S 000070-003-003-1/1		10/20/2006	0:48										
23	PS000054-008-005-1/		10/20/2006	12:46	53	CCV		10/20/2006	21:50	83	S 000070-004-004-1/1		10/20/2006	0:55										
24	SE600054-008-005-1/		10/20/2006	12:52	54	CCB		10/20/2006	21:57	84	S 000070-005-005-1/1		10/20/2006	1:01										
25	S 000054-008-005-1/3		10/20/2006	12:59	55	BLK(135)		10/20/2006	22:03	85	S 000070-006-006-1/1		10/20/2006	1:07										
26	SP000054-008-005-1/		10/20/2006	13:05	56	BLKS(135)		10/20/2006	22:09	86	S 000070-007-007-1/1		10/20/2006	1:13										
27	SD000054-008-005-1/		10/20/2006	13:11	57	S 000000-001-005-1/1		10/20/2006	22:15	87	S 000070-008-008-1/1		10/20/2006	1:19										
28	PS000054-008-005-1/		10/20/2006	13:17	58	SP000000-001-005-1/		10/20/2006	22:21	88	S 000070-009-009-1/1		10/20/2006	1:25										
29	CCV		10/20/2006	13:23	59	SD000000-001-005-1/		10/20/2006	22:27	89	CCV		10/20/2006	1:31										
30	CCB		10/20/2006	13:29	60	PS000000-001-005-1/		10/20/2006	22:33	90	CCB		10/20/2006	1:38										

Analyst Signature: [signature] Date: 7-29-06 Analyst Signature: Date:

Sample Dilutions:

609054-009-004-1/1:20x For Ti (Ca)

IS okay
LR okay

USEPA - CLP

15 - IN

ICP-MS Internal Standards Relative Intensity Summary

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: DHJK

ICP-MS Instrument ID: SEDI Start Date: 09/28/2006 End Date: 09/29/2006

EPA Sample No.	Time	Internal Standards %RI For:									
		Bi (209)	Q	In (115)	Q	Li (6)	Q	Sc (45)	Q	Tb (159)	Q
BLANK	16:34	100		100		100		100		100	
STD1	16:39	105		103		106		102		103	
STD2	16:44	106		102		107		100		103	
STD3	16:49	94		93		95		95		94	
STD4	16:54	98		94		96		94		96	
STD5	16:59	100		98		100		97		99	
STD6	17:04	98		98		99		98		100	
ICV	17:09	91		93		89		94		94	
ICV(CD)	17:15	100		95		96		92		97	
ICB	17:21	96		93		95		92		94	
CCV	17:27	98		91		91		88		96	
CCB	17:33	97		94		93		93		96	
PQL	17:39	104		94		95		90		98	
ICSA	17:45	79		80		76		78		85	
ICSAB	17:51	86		83		81		78		90	
LR	17:57	99		89		82		86		97	
CCV	18:10	100		92		91		87		97	
CCB	18:16	104		97		95		94		101	
S 609054-002-008-1/2	18:22	109		100		97		100		105	
S 609054-006-005-1/3	18:28	100		97		93		115		102	
SP609054-006-005-1/3	18:34	101		97		94		117		102	
SD609054-006-005-1/3	18:40	96		95		90		116		98	
PS609054-006-005-1/3	18:46	97		93		88		111		99	
SE609054-006-005-1/3	18:52	109		104		98		104		106	
S 609054-006-005-1/3	18:59	101		99		93		108		101	
SP609054-006-005-1/3	19:05	104		99		94		108		103	
SD609054-006-005-1/3	19:11	102		98		94		108		101	
PS609054-006-005-1/3	19:17	98		93		88		102		98	
CCV	19:23	101		92		91		87		97	
CCB	19:29	100		97		96		96		98	
SE609054-006-005-1/3	19:35	110		103		99		101		105	
BLK93952	19:42	108		104		102		101		104	
BKS93952	19:48	103		97		94		94		99	
S 609054-009-004-1/1	19:54	105		99		96		115		102	
S 609069-001-013-1/6	20:00	104		101		95		99		102	
SP609069-001-013-1/6	20:06	104		98		92		96		101	
SD609069-001-013-1/6	20:12	106		99		93		96		102	
PS609069-001-013-1/6	20:18	99		95		87		95		98	

USEPA - CLP

15 - IN

ICP-MS Internal Standards Relative Intensity Summary

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: DHJK

ICP-MS Instrument ID: SEDI Start Date: 09/28/2006 End Date: 09/29/2006

EPA Sample No.	Time	Internal Standards %RI For:									
		Bi (209)	Q	In (115)	Q	Li (6)	Q	Sc (45)	Q	Tb (159)	Q
SE609069-001-013-1/6	20:24	111		105		98		100		105	
S 609069-002-001-1/2	20:31	107		102		95		99		104	
CCV	20:37	99		92		86		88		96	
CCB	20:43	107		101		97		96		101	
S 609069-003-003-1/2	20:49	103		100		94		100		101	
S 609069-004-019-1/1	20:55	110		103		97		100		105	
S 609069-005-020-1/1	21:01	114		106		102		104		106	
S 609069-006-005-1/2	21:08	106		101		95		100		102	
S 609069-007-007-1/2	21:14	110		103		99		100		105	
S 609069-008-009-1/2	21:20	103		100		94		100		102	
S 609069-009-021-1/1	21:26	110		102		98		99		105	
S 609069-010-022-1/1	21:32	108		102		97		100		104	
S 609069-011-011-1/2	21:38	105		100		94		99		103	
S 609069-012-023-1/1	21:44	111		104		100		101		106	
CCV	21:50	95		91		84		88		94	
CCB	21:57	106		100		96		96		101	
BLK(135)	22:03	106		103		97		99		104	
BKS(135)	22:09	101		96		86		93		99	
S 609088-001-005-1/1	22:15	104		100		99		97		103	
SP609088-001-005-1/1	22:21	97		96		92		95		99	
SD609088-001-005-1/1	22:27	104		101		91		96		104	
PS609088-001-005-1/1	22:33	103		99		96		97		102	
SE609088-001-005-1/1	22:40	106		100		94		96		101	
S 609089-001-001-1/1	22:46	110		102		100		100		104	
S 609089-002-002-1/1	22:52	103		100		95		100		101	
S 609089-003-012-1/1	22:58	99		96		87		93		100	
CCV	23:04	104		96		89		91		99	
CCB	23:10	102		96		89		93		97	
S 609093-001-001-1/1	23:16	108		100		96		98		103	
S 609093-002-013-1/1	23:22	94		93		92		95		98	
S 609093-003-002-1/1	23:29	110		103		97		100		105	
S 609093-004-014-1/1	23:35	107		100		93		95		105	
BLK93804	23:41	107		101		91		97		103	
BKS93804	23:47	111		101		92		94		104	
S 609072-001-001-1/1	23:53	113		105		96		101		107	
SP609072-001-001-1/1	23:59	109		101		92		98		105	
SD609072-001-001-1/1	0:06	113		103		96		98		107	
PS609072-001-001-1/1	0:12	105		97		88		94		102	

USEPA - CLP

15 - IN

ICP-MS Internal Standards Relative Intensity Summary

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: DHJK

ICP-MS Instrument ID: SEDI Start Date: 09/28/2006 End Date: 09/29/2006

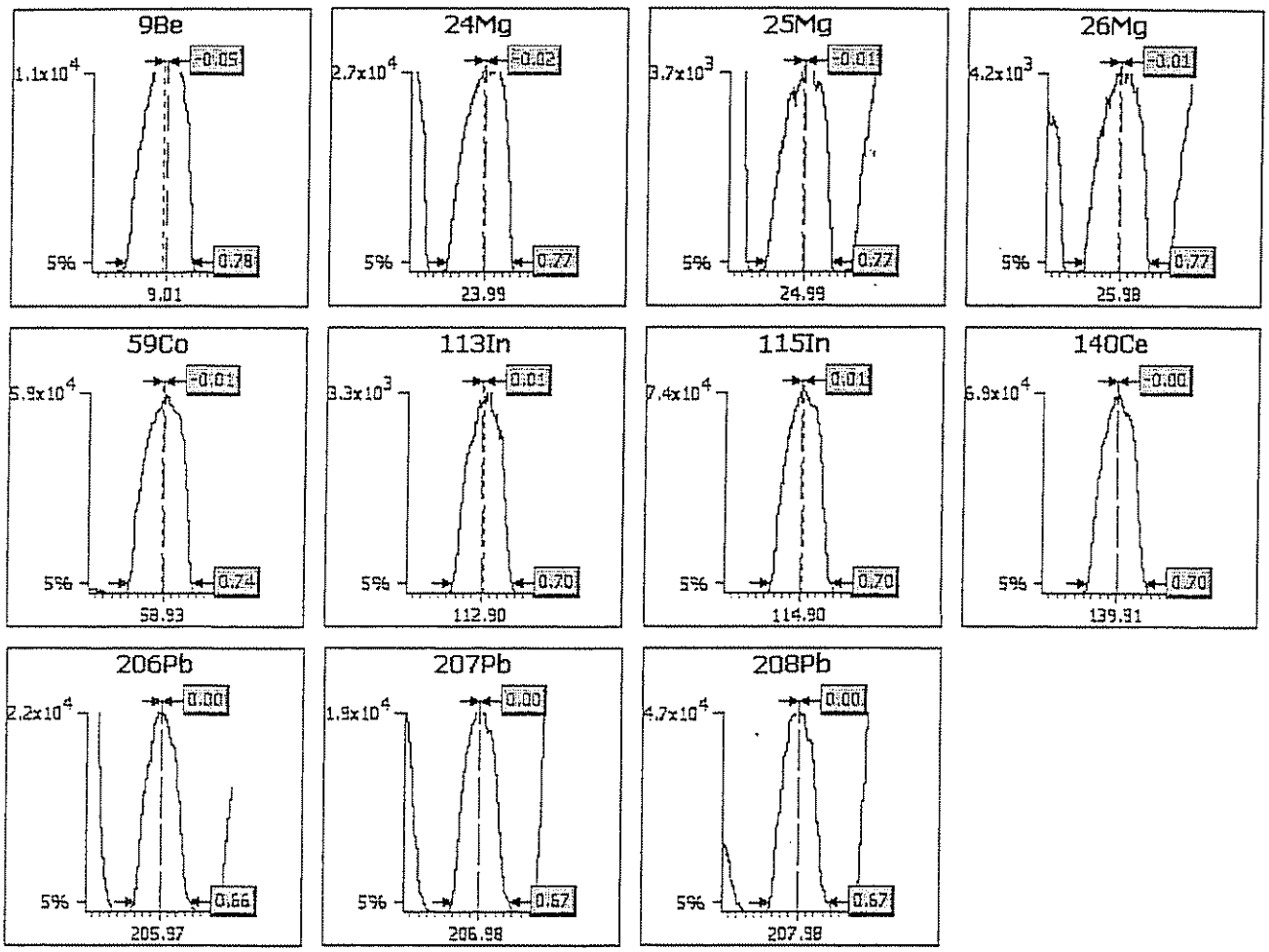
EPA Sample No.	Time	Internal Standards %RI For:									
		Bi (209)	Q	In (115)	Q	Li (6)	Q	Sc (45)	Q	Tb (159)	Q
CCV	0:18	104		94		89		88		99	
CCB	0:24	107		100		93		94		101	
SE609072-001-001-1/1	0:30	112		104		98		100		106	
S 609079-001-001-1/1	0:36	114		106		102		101		107	
S 609079-002-002-1/1	0:42	107		102		96		98		103	
S 609079-003-003-1/1	0:48	111		104		99		99		106	
S 609079-004-004-1/1	0:55	110		104		99		99		105	
S 609079-005-005-1/1	1:01	110		105		98		103		106	
S 609079-006-006-1/1	1:07	114		105		101		101		107	
S 609079-007-007-1/1	1:13	107		103		95		101		104	
S 609079-008-008-1/1	1:19	110		103		97		99		105	
S 609079-009-009-1/1	1:25	112		104		99		98		106	
CCV	1:31	99		93		83		88		96	
CCB	1:38	110		102		95		94		103	
S 609079-010-010-1/1	1:44	110		104		97		99		104	
S 609079-011-011-1/1	1:50	109		103		96		98		104	
BLK(125)	2:02	106		104		93		99		104	
BKS(125)	2:08	107		98		90		92		102	
S 609073-001-001-1/1	2:14	102		100		88		95		104	
SP609073-001-001-1/1	2:21	100		95		86		91		100	
SD609073-001-001-1/1	2:27	104		97		90		91		102	
PS609073-001-001-1/1	2:33	100		98		85		94		101	
SE609073-001-001-1/1	2:39	111		101		93		94		105	
S 609079-012-012-1/1	2:45	110		102		97		95		105	
CCV	2:51	102		94		86		89		98	
CCB	2:57	109		98		93		90		101	
ICSA	3:04	86		83		75		78		89	
ICSAB	3:16	90		84		77		77		92	
CCV	3:22	104		92		86		86		99	
CCB	3:28	109		96		92		89		102	

Performance Report

Sample details
Acquired at : 09/28/2006 02:58:42 PM
Report name : EPA 6020A 2.1A [05/30/2006 01:04:54 PM]

Mass Calibration verification

Acquisition parameters
Sweeps : 25
Dwell : 2.0 mSecs
Point spacing : 0.01 amu
Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error

9Be	0.90	0.45	0.10	0.78	-0.05
24Mg	0.90	0.45	0.10	0.77	-0.02
25Mg	0.90	0.45	0.10	0.77	-0.01
26Mg	0.90	0.45	0.10	0.77	-0.01
59Co	0.90	0.45	0.10	0.74	-0.01
113In	0.90	0.45	0.10	0.70	0.01
115In	0.90	0.45	0.10	0.70	0.01
140Ce	0.90	0.45	0.10	0.70	-0.00
206Pb	0.90	0.45	0.10	0.66	0.00
207Pb	0.90	0.45	0.10	0.67	0.00
208Pb	0.90	0.45	0.10	0.67	0.00

Sample details
Acquired at : 09/28/2006 02:58:42 PM
Report name : EPA 6020A 2.1A [05/30/2006 01:04:54 PM]

Tune conditions

Major	
Extraction	-157
Lens 1	2.0
Focus	25.1
D1	-41.6
Pole Bias	3.0
Hexapole Bias	-3.0
Nebuliser	0.91
Sampling Depth	130

Minor	
Lens 2	-49.4
Lens 3	-134.1
Forward power	1404
Horizontal	105
Vertical	380
D2	-160
DA	-80.0
Cool	13.0
Auxiliary	0.90

Global	
Standard resolution	122
High resolution	125
Analogue Detector	2300
PC Detector	3780

Add. Gases

Sensitivity and stability results

Acquisition parameters
Sweeps : 180

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	59Co	113In	115In	140Ce
Dwell (mSecs)		100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Limits	%RSD	-	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
	Countrate	-	>4000	>5000	>1000	>1000	>10000	>1000	>50000	>50000
1	03:00:14 PM	0.111	11927.934	28076.719	3911.188	4303.982	60608.917	3641.177	79249.167	73125.060
2	03:01:25 PM	0.111	11645.678	27704.948	3770.627	4319.538	59944.628	3540.063	78704.293	72285.005
3	03:02:35 PM	0.056	11747.357	27861.103	3734.514	4344.539	58817.848	3531.729	78851.631	72704.198
4	03:03:45 PM	0.056	11631.788	27778.302	3746.737	4363.984	59325.926	3522.840	79201.352	72822.617
5	03:04:56 PM	0.278	11720.131	27993.362	3747.848	4357.873	58502.107	3567.841	78918.906	72333.929
x		0.122	11734.577	27882.887	3782.183	4337.983	59439.885	3560.730	78985.070	72654.162
σ		0.09	118.56	152.36	73.29	25.55	851.58	48.03	233.21	350.52
%RSD		74.689	1.010	0.546	1.938	0.589	1.433	1.349	0.295	0.482

Run	Time	156Ce O	206Pb	207Pb	208Pb	220Bkg
Dwell (mSecs)		30.0	10.0	10.0	10.0	100.0
Limits	%RSD	-	2.0%	2.0%	2.0%	-
	Countrate	-	>10000	>10000	>25000	<2
1	03:00:14 PM	736.855	24662.485	20882.180	50987.440	0.278
2	03:01:25 PM	728.892	24441.320	20734.927	50417.151	0.167
3	03:02:35 PM	744.262	24616.363	20939.970	50556.666	0.000
4	03:03:45 PM	723.521	24683.046	20759.932	51075.818	0.056
5	03:04:56 PM	720.558	24299.619	20599.899	50325.438	0.056
x		730.817	24540.566	20783.382	50672.502	0.111
σ		9.74	164.94	133.08	339.46	0.11
%RSD		1.333	0.672	0.640	0.670	100.000

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0200
1	03:00:14 PM	0.010

2	03:01:25 PM	0.010
3	03:02:35 PM	0.010
4	03:03:45 PM	0.010
5	03:04:56 PM	0.010
x		0.0101
σ		0.00
%RSD		1.1901

Result : The performance report passed.

Dilution Corrected Concentrations

BLANK 09/28/2006 04:34:11 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.000%	-0.011	-0.000	0.000	0.000	0.000	0.000	0.000	100.000%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	0.000	-0.000	-0.000	0.000	-0.000	0.000	0.000	0.000

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	0.000	0.000	-0.000	0.000	0.000	-0.000	-0.000	-0.000

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.000	0.000	100.000%	0.000	-0.000	0.000	-0.000	-0.000	100.000%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		-0.000	0.000	0.000	100.000%

STD1 09/28/2006 04:39:17 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.804%	5.000	2.106	-0.013	-0.042	ŧ4921.000	-0.075	37.440	102.103%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.360	48.630	47.650	-15940.000	48.090	ŧ4926.000	48.740	49.350	48.730

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.630	48.470	-0.035	49.490	49.310	0.000	49.480	49.920	-1.710

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.830	49.620	102.941%	49.590	49.450	49.660	48.370	0.058	102.793%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		47.370	48.220	48.020	105.059%

STD2 09/28/2006 04:44:22 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		107.002%	10.250	2.581	0.008	-0.095	TM 10040.000	0.324	71.090	99.921%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.290	98.300	97.520	-18560.000	97.340	TM 10040.000	98.170	99.020	98.640
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.710	99.200	-0.053	99.690	99.110	0.000	99.430	M 100.000	-3.492
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 100.100	100.400	101.656%	100.800	99.320	99.700	98.400	0.114	102.988%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		95.800	97.590	97.040	105.545%					

STD3 09/28/2006 04:49:28 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		94.960%	M 50.000	12.050	0.647	0.552	12.850	5.809	146.900	95.324%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1000.000	TM 1000.000	TM 1000.000	-32730.000	TM 1000.000	TM 51520.000	TM 1000.000	M 750.200	M 1000.000
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 500.300	M 200.800	-0.170	M 200.300	M 200.600	0.000	M 1000.000	M 102.400	-7.117
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 101.700	M 199.900	93.300%	M 999.900	M 500.200	M 500.100	M 1000.000	1.088	94.170%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		M 202.800	M 201.600	TM 2000.000	93.706%					

STD4 09/28/2006 04:54:33 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.212%	-0.010	↑986.800	↑997.200	1013.000	0.979	↑981.400	1040.000	93.542%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.078	0.962	0.301	-20110.000	0.044	-3.386	0.008	0.104	0.115

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.324	-0.005	-0.065	0.051	0.041	0.000	1.087	0.001	-0.038

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.001	0.009	94.312%	0.320	0.085	0.075	0.096	0.000	95.603%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.560	0.564	0.049	97.514%

STD5 09/28/2006 04:59:41 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.496%	-0.007	↑10030.000	↑10040.000	↑9965.000	0.104	↑10160.000	10310.000	96.709%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.015	0.656	0.048	-25800.000	0.270	0.426	-0.001	0.098	0.041

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.720	-0.259	-0.021	-0.081	0.140	0.000	0.206	0.008	0.031

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.004	-0.009	98.137%	0.172	0.013	-0.011	0.088	0.004	99.121%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.213	0.205	0.124	99.733%

STD6 09/28/2006 05:04:48 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.029%	-0.008	TM 19990.000	TM 19980.000	TM 20020.000	0.260	TM 19920.000	M 19840.000	97.698%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.087	0.286	0.076	-27280.000	0.500	2.371	0.004	0.169	0.138

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.577	0.021	0.091	-0.011	0.267	0.000	0.132	0.008	0.061

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.008	-0.013	97.715%	0.136	0.007	0.001	0.081	0.001	100.049%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.145	0.155	0.224	98.484%

ICV 09/28/2006 05:09:55 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		88.748%	4.372	T 5179.000	T 5207.000	5113.000	511.200	T 4989.000	5059.000	94.446%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		41.080	41.290	39.060	-5081.000	41.400	T 528.300	41.080	41.490	40.750

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		41.790	40.950	-0.003	41.010	41.200	0.000	40.550	40.880	-0.578

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		41.100	4.698	92.712%	41.170	41.550	41.290	41.820	0.048	93.924%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		42.560	41.970	40.550	91.287%

ICV(CD) 09/28/2006 05:15:01 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.375%	-0.012	-0.489	-0.088	-0.130	-0.142	-0.235	1.344	92.395%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.055	-0.106	-0.027	1332.000	0.002	-5.161	-0.001	0.004	-0.000
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.460	-0.273	-0.029	-0.335	-0.002	0.000	0.095	0.001	-0.060
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	3.820	94.943%	0.066	-0.010	-0.005	-0.021	0.000	97.232%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.245	0.248	0.002	100.243%					

ICB 09/28/2006 05:21:09 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		94.564%	-0.011	-0.457	0.041	-0.038	-0.397	0.174	-0.284	92.158%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.025	0.508	0.185	142.600	0.004	-3.936	0.000	0.006	-0.003
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.271	-0.473	0.024	-0.379	-0.010	0.000	0.031	0.000	0.054
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.000	-0.011	93.100%	0.056	-0.010	-0.012	0.035	0.000	94.381%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.123	0.132	0.002	95.605%					

CCV 09/28/2006 05:27:16 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		90.743%	4.975	↑9605.000	↑9543.000	↑9499.000	↑4986.000	↑9503.000	9851.000	88.405%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.720	49.410	48.180	-26600.000	48.910	↑5035.000	48.370	48.850	48.370

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.240	48.770	-0.111	47.690	49.790	0.000	49.780	49.570	-1.468

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.610	49.460	91.362%	50.090	50.250	50.200	48.630	0.054	95.643%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		47.870	49.360	48.890	98.037%

CCB 09/28/2006 05:33:24 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.915%	-0.009	0.197	0.042	-0.053	-0.124	0.872	0.205	92.873%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.014	0.416	-0.015	-7480.000	-0.003	-4.736	-0.001	0.011	-0.008

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.419	-0.482	-0.044	-0.501	-0.001	0.000	0.042	0.001	0.092

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.001	-0.024	94.048%	0.080	-0.023	-0.002	0.034	0.000	95.611%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.228	0.249	0.001	96.928%

PQL 09/28/2006 05:39:32 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.329%	0.198	T 929.600	90.490	95.560	102.900	T 944.900	1016.000	90.017%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2.059	10.340	1.611	-21520.000	1.980	43.300	1.015	1.107	2.118
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		9.944	4.904	-0.163	5.511	1.961	0.000	5.050	0.318	0.089
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.320	0.507	94.475%	5.235	1.101	1.099	5.362	0.003	97.787%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		1.914	1.967	1.959	104.073%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		76.387%	-0.007	TM 253400.000	TM 97050.000	TM 96400.000	TM 98730.000	TM 98500.000	TM 313700.000	78.295%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2074.000	-0.140	0.569	-56080.000	0.062	TM 246300.000	0.081	0.266	0.667
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.635	0.936	0.353	1.136	4.225	0.000	M 1990.000	0.109	1.635
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.083	0.121	79.901%	0.196	0.189	0.144	0.538	0.045	85.291%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.170	0.164	0.133	79.326%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		80.611%	16.870	TM 246100.000	TM 94010.000	TM 93370.000	TM 98920.000	TM 97570.000	TM 314200.000	77.720%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2066.000	19.120	19.100	-58590.000	18.780	TM 245900.000	18.210	17.440	17.130
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		17.590	18.660	0.218	16.390	24.270	0.000	M 1972.000	17.290	1.197
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		17.440	17.080	82.731%	20.190	18.500	18.470	20.000	0.045	89.778%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		20.220	20.770	20.440	86.213%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		82.273%	M 224.800	23.150	3.187	2.795	7.712	3.412	3481.000	85.847%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 4725.000	TM 4873.000	TM 4975.000	T 46910.000	TM 5103.000	TM 256700.000	TM 5015.000	TM 3503.000	TM 5054.000
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		TM 2384.000	M 954.400	-0.776	M 920.800	TM 5179.000	0.000	TM 5342.000	M 490.900	-20.160
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 490.000	M 962.500	89.479%	TM 4758.000	M 498.600	493.900	TM 5019.000	4.720	96.624%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		TM 986.200	TM 1011.000	TM 9941.000	99.102%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		90.639%	4.884	ŧ9574.000	ŧ9533.000	ŧ9478.000	ŧ4990.000	ŧ9471.000	9895.000	87.213%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.640	49.070	48.200	-40900.000	49.030	ŧ5021.000	49.030	49.100	48.900
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.730	49.050	-0.165	47.830	49.280	0.000	51.010	49.670	-1.445
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.620	49.110	91.557%	50.650	50.350	50.660	48.390	0.052	97.132%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		49.160	49.760	49.070	100.211%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.437%	-0.010	3.834	0.007	0.071	-0.187	-0.353	-0.513	93.580%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.032	0.190	-0.142	-21550.000	-0.009	-4.607	-0.000	-0.001	0.000
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.431	0.086	-0.132	-0.200	-0.007	0.000	0.437	0.002	0.030
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.000	-0.006	97.029%	0.375	-0.018	-0.016	0.059	0.001	100.651%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.367	0.368	0.004	104.126%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.723%	0.680	113.400	T 3351.000	3247.000	TM 21120.000	T 847.400	2904.000	99.670%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		847.300	100.500	33.840	-36680.000	TM 1406.000	TM 38420.000	23.060	23.110	40.850

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		47.690	4.564	0.044	1.452	64.490	0.000	0.740	0.056	-0.371

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.049	0.255	99.552%	2.014	0.083	0.092	268.400	7.618	105.325%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.298	0.301	7.234	109.314%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.703%	0.655	T 506.100	T 18890.000	T 18840.000	TM 66400.000	T 703.700	7099.000	115.073%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		TM 6964.000	T 392.900	299.200	-33650.000	TM 2951.000	TM 102300.000	99.110	119.100	150.300

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.440	1.172	0.107	1.156	45.070	0.000	0.405	0.114	-0.954

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.043	0.734	96.907%	3.200	0.008	0.029	156.200	12.470	101.772%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.210	0.237	4.257	99.966%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		93.659%	4.932	T 1669.000	TM 22750.000	TM 22550.000	TM 84870.000	T 1717.000	8934.000	117.168%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		TM 7975.000	T 476.700	T 377.900	-36220.000	TM 3345.000	TM 115700.000	153.300	186.900	214.900
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		195.000	9.247	0.086	9.395	148.900	0.000	37.720	10.700	-1.707
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.600	11.670	97.255%	53.190	1.644	1.966	285.600	14.170	101.677%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		11.150	11.430	115.700	100.983%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		89.830%	4.800	T 1875.000	TM 23010.000	TM 22830.000	TM 85060.000	T 1701.000	9215.000	116.158%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		TM 7929.000	T 470.800	364.400	-30300.000	TM 3224.000	TM 114700.000	150.500	184.200	212.300
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		193.600	9.148	0.094	8.898	149.600	0.000	36.960	10.310	-1.769
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.260	10.950	94.830%	51.020	1.663	1.818	295.600	13.770	98.411%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		10.980	11.090	111.400	96.149%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		87.716%	8.421	T 5379.000	TM 23330.000	TM 23300.000	TM 65730.000	T 5009.000	11010.000	111.087%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		TM 6848.000	T 401.000	309.300	-32360.000	TM 2956.000	TM 101000.000	121.900	148.900	170.800
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		160.600	69.520	0.081	60.390	63.020	0.000	30.060	40.400	-7.496
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		39.910	23.870	93.186%	106.400	79.740	82.330	171.100	12.080	98.513%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		101.900	103.400	85.080	96.691%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.671%	0.138	94.200	T 3924.000	3783.000	TM 14980.000	145.800	1645.000	103.831%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1468.000	86.170	70.060	-32300.000	T 650.800	TM 22580.000	22.240	27.440	34.430
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		24.580	-0.404	0.166	-0.027	9.512	0.000	0.104	0.023	-0.214
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.007	0.147	103.762%	0.751	0.007	0.009	30.980	2.518	105.539%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.306	0.308	0.839	109.459%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.644%	0.380	235.900	T 10060.000	T 9996.000	TM 36460.000	353.800	3911.000	108.409%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 3501.000	203.900	165.700	-34360.000	TM 1604.000	TM 55380.000	53.570	65.060	81.840
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		54.570	0.491	0.133	0.465	23.610	0.000	0.158	0.052	-0.461
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.028	0.356	99.450%	1.617	0.020	0.017	79.020	6.360	101.332%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.157	0.164	2.117	100.500%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		94.093%	3.025	T 932.000	T 12900.000	T 12780.000	TM 50900.000	T 997.000	5376.000	107.635%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 4252.000	264.700	222.500	-33510.000	TM 1966.000	TM 68360.000	90.660	110.900	129.300
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		120.300	4.987	0.147	5.082	84.370	0.000	20.930	5.951	-0.978
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		5.970	6.577	98.528%	29.430	0.901	1.071	158.900	7.797	102.747%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		5.939	6.127	62.660	104.434%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		94.120%	2.702	T 949.400	T 11700.000	T 11570.000	TM 46110.000	T 911.400	5084.000	107.521%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 3887.000	240.700	202.600	-31380.000	TM 1745.000	TM 62000.000	81.100	100.800	117.500
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		108.100	4.676	0.137	4.230	77.590	0.000	18.570	5.270	-0.788
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		5.210	5.497	98.029%	25.620	0.823	0.972	146.000	6.991	101.469%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		5.355	5.380	54.850	101.698%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		88.416%	9.324	T 5298.000	T 14600.000	T 14470.000	TM 36210.000	T 4994.000	8339.000	101.718%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 3402.000	217.200	178.000	-29810.000	TM 1639.000	TM 56150.000	79.790	99.100	106.400
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		126.700	75.110	0.093	64.250	42.580	0.000	29.990	41.080	-6.915
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		41.030	24.620	93.081%	105.400	80.930	83.690	96.750	6.223	97.849%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		101.700	102.200	82.420	97.887%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		90.937%	4.839	ŧ9730.000	ŧ9676.000	ŧ9568.000	ŧ5089.000	ŧ9610.000	9843.000	87.202%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.630	49.850	47.870	-39390.000	49.040	ŧ5103.000	49.280	49.740	49.300
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.160	48.590	-0.153	46.500	48.850	0.000	49.240	49.560	-1.608
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.640	49.620	91.621%	50.560	50.760	50.740	48.920	0.052	96.788%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		47.970	49.000	48.950	100.658%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.675%	-0.016	1.319	0.293	0.338	0.064	1.208	-0.102	95.546%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.083	-0.141	0.071	-9190.000	0.018	0.846	0.009	-0.005	0.009
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.363	-0.219	-0.016	-0.362	0.006	0.000	0.076	0.002	0.072
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	-0.019	96.874%	0.111	-0.005	-0.005	0.012	0.000	97.881%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.320	0.327	0.023	100.013%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.393%	0.069	46.520	T 1892.000	1859.000	T 7433.000	74.200	827.000	101.203%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		738.000	43.280	35.040	-25980.000	317.400	TM 11230.000	11.160	13.390	16.900

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		15.630	-0.255	0.067	-0.063	4.702	0.000	0.039	0.015	-0.020

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.006	0.056	102.781%	0.402	-0.001	-0.005	15.350	1.282	104.536%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.109	0.118	0.407	109.773%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		102.248%	-0.011	2.130	0.077	0.098	0.523	2.614	14.240	101.443%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.109	0.633	0.732	-10740.000	0.016	2.706	0.000	0.013	-0.002

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.074	-0.376	0.179	0.079	0.054	0.000	0.024	0.001	0.037

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.000	-0.010	103.650%	2.732	-0.019	-0.004	0.173	0.001	103.830%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.092	0.097	0.009	107.867%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		93.505%	5.107	T 1042.000	T 1027.000	1043.000	T 1071.000	T 1014.000	1141.000	94.111%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		199.200	52.620	52.350	5947.000	104.800	T 1078.000	52.600	53.630	52.680
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.800	10.170	0.057	9.566	104.600	0.000	49.830	10.710	-0.540
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.650	10.590	96.953%	53.710	10.040	10.260	105.400	0.129	99.177%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		10.280	10.460	103.300	102.699%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.871%	1.180	74.940	T 2184.000	2033.000	TM 54780.000	T 860.200	2062.000	114.693%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		TM 7106.000	T 427.900	108.000	-46630.000	TM 1969.000	TM 124800.000	55.030	38.500	177.900
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		125.000	3.125	0.102	1.320	18.590	0.000	1.240	0.162	-1.285
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.093	0.991	98.934%	5.441	0.391	0.409	158.900	13.440	102.473%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.258	0.250	34.070	104.598%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		94.939%	0.688	61.390	ŦŦ 989.100	967.700	TM 13000.000	ŦŦ 986.000	1640.000	99.346%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		193.300	31.680	21.560	-27690.000	TM 1507.000	TM 16650.000	14.890	10.750	21.170
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		40.400	6.320	0.193	0.472	8.794	0.000	0.955	0.055	-0.026
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.049	0.297	100.659%	3.232	0.282	0.298	159.000	4.632	102.224%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.270	0.299	40.280	104.358%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.174%	5.691	ŦŦ 1123.000	ŦŦ 2433.000	2352.000	TM 21930.000	ŦŦ 2797.000	2802.000	96.383%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		473.600	94.530	83.090	-22590.000	TM 1654.000	TM 21670.000	67.280	65.460	73.800
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		149.000	18.340	0.215	9.695	115.800	0.000	49.330	10.450	-0.601
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.620	10.950	98.056%	53.140	5.235	5.560	279.800	5.142	101.006%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		10.460	10.660	146.700	104.177%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.995%	5.753	T 1102.000	T 2438.000	2340.000	TM 22140.000	T 2837.000	2831.000	96.246%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		480.800	90.840	80.980	-19590.000	TM 1730.000	TM 19680.000	66.620	64.760	71.960
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		143.600	15.630	0.290	10.090	113.500	0.000	48.200	10.130	-0.653
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.230	10.480	98.616%	51.750	5.128	5.476	288.500	5.130	101.761%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		10.220	10.470	142.700	105.730%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		87.446%	10.190	T 5266.000	T 6112.000	T 6025.000	TM 13180.000	T 5900.000	6488.000	94.515%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		202.600	49.650	39.790	-15140.000	TM 1522.000	TM 18000.000	44.160	50.710	50.120
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		113.800	82.300	0.155	63.830	28.730	0.000	31.140	41.940	-6.653
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		41.350	24.290	95.048%	106.300	80.120	83.630	170.100	4.505	97.872%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		101.100	101.500	117.300	99.003%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.713%	0.099	11.820	165.500	176.400	⊤2345.000	174.100	305.900	100.299%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		35.360	5.867	4.108	-24030.000	269.500	⊤3050.000	2.746	1.980	4.090

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8.926	1.342	0.026	-0.222	1.610	0.000	0.225	0.012	0.062

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.014	0.052	104.571%	0.645	0.072	0.086	29.260	0.851	105.009%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.249	0.262	7.334	111.094%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.276%	0.641	49.220	⊤949.300	923.700	TM 12840.000	⊤847.000	1586.000	99.422%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		185.100	32.280	24.270	-25170.000	TM 1463.000	TM 17090.000	16.730	9.692	16.690

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		37.540	6.273	0.193	0.211	8.997	0.000	0.940	0.053	-0.041

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.051	0.278	101.975%	3.162	0.284	0.285	152.100	4.459	104.040%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.334	0.342	43.930	106.510%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		86.173%	4.794	τ10090.000	τ10120.000	τ10050.000	τ5143.000	τ9807.000	9836.000	88.246%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.620	49.060	48.290	-35800.000	49.800	τ5192.000	49.370	49.230	49.160
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.570	49.640	-0.190	48.900	49.370	0.000	49.200	49.710	-1.668
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.330	50.210	91.959%	50.100	50.300	50.750	48.780	0.043	95.542%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		48.330	48.870	48.810	98.547%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.632%	-0.016	3.889	3.430	3.629	6.123	3.947	3.244	96.166%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.429	0.491	-0.125	-7591.000	0.424	7.322	0.029	0.036	0.035
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.187	-0.183	-0.008	-0.480	0.039	0.000	0.067	0.020	0.008
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.018	0.022	101.034%	0.114	0.005	-0.015	0.087	0.001	101.250%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.215	0.219	0.059	106.704%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		93.905%	0.778	47.460	T 1072.000	1043.000	TM 14080.000	T 1292.000	1506.000	99.703%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		161.600	31.920	18.250	-20650.000	T 953.500	TM 17370.000	10.510	9.657	12.780
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		35.320	6.252	0.165	0.742	7.049	0.000	0.932	0.067	-0.016
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.060	0.255	99.878%	2.954	0.205	0.198	109.900	4.727	101.047%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.321	0.313	39.090	103.125%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.403%	0.697	43.000	T 1395.000	1351.000	TM 11950.000	T 988.500	1512.000	100.090%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		180.000	32.170	20.390	-23780.000	TM 2258.000	TM 15840.000	17.440	9.522	31.510
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		57.610	6.405	0.197	0.725	11.900	0.000	1.014	0.040	0.029
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.041	0.308	102.805%	3.366	0.404	0.368	174.300	4.622	104.664%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.270	0.302	47.610	109.605%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.546%	0.396	38.550	T 787.300	766.900	TM 10100.000	T 525.300	577.000	104.066%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		221.400	33.640	26.280	-30610.000	T 443.600	TM 18770.000	5.074	21.710	113.100
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		36.140	8.182	0.175	0.219	4.530	0.000	1.123	0.079	-0.148
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.071	0.215	106.368%	13.280	9.978	9.838	55.750	2.320	106.456%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.214	0.234	T 1332.000	113.955%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.448%	0.799	45.300	T 1193.000	1160.000	TM 11640.000	T 976.600	1935.000	100.178%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		163.700	35.930	17.640	-25150.000	TM 2126.000	TM 18210.000	11.910	10.400	13.070
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.990	7.921	0.212	0.908	9.730	0.000	0.913	0.068	-0.025
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.073	0.415	101.415%	3.436	0.252	0.254	290.000	4.710	102.352%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.222	0.237	61.560	105.845%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.230%	1.007	35.640	T 1032.000	1005.000	TM 11580.000	T 1075.000	1617.000	99.944%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		144.200	30.010	17.990	-25920.000	TM 1958.000	TM 18280.000	11.540	9.870	11.530
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		52.980	7.521	0.197	0.587	6.438	0.000	0.972	0.072	-0.008
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.082	0.519	103.242%	3.209	0.265	0.266	163.300	5.148	104.720%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.215	0.221	51.680	110.006%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		94.176%	1.100	43.020	T 1170.000	1126.000	TM 12510.000	T 1179.000	1754.000	99.613%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		156.600	31.920	18.170	-24990.000	TM 2030.000	TM 19290.000	11.590	10.380	12.430
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		53.090	7.996	0.203	0.430	7.210	0.000	1.068	0.079	-0.074
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.082	0.490	99.984%	3.310	0.281	0.275	173.100	5.533	101.600%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.229	0.239	56.100	103.130%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.790%	0.800	37.840	ŦM 1280.000	1232.000	TM 13230.000	ŦM 1371.000	1521.000	99.482%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		217.700	31.300	18.460	-24970.000	TM 1409.000	TM 17550.000	11.620	10.150	12.330
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		44.230	6.290	0.185	0.286	6.846	0.000	0.814	0.062	-0.022
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.052	0.416	102.165%	2.746	0.288	0.279	158.500	4.822	104.817%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.216	0.218	40.630	109.719%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.118%	0.900	38.970	ŦM 895.100	871.100	TM 10820.000	ŦM 1109.000	1208.000	100.195%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		122.500	23.920	15.380	-25200.000	ŦM 967.900	TM 18110.000	9.741	7.815	12.870
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		42.810	8.155	0.159	0.914	4.828	0.000	0.943	0.060	-0.056
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.055	0.335	102.400%	2.826	0.313	0.344	91.200	4.898	104.434%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.215	0.207	69.150	108.075%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		94.062%	1.437	37.100	ŦŦ 1422.000	1376.000	TM 15420.000	ŦŦ 1534.000	3934.000	99.421%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		155.000	29.400	17.140	-18850.000	TM 1581.000	TM 21330.000	13.000	13.770	15.280
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		39.040	9.010	0.252	1.008	12.270	0.000	1.168	0.068	-0.064
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.057	0.269	100.393%	3.099	0.350	0.337	171.600	7.924	102.507%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.243	0.273	47.170	104.655%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.725%	0.862	48.350	ŦŦ 1217.000	1180.000	TM 12770.000	ŦŦ 594.500	1057.000	101.022%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		149.900	46.410	21.340	-29960.000	TM 1519.000	TM 23950.000	7.887	7.266	9.002
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		38.610	11.220	0.196	0.918	7.695	0.000	1.750	0.045	-0.021
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.039	0.189	104.279%	2.659	0.407	0.430	160.800	4.477	105.712%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.235	0.230	47.720	111.100%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		84.335%	4.912	ŧ10420.000	ŧ10490.000	ŧ10370.000	ŧ5276.000	ŧ10030.000	9867.000	88.350%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.460	49.580	48.670	-36300.000	49.820	ŧ5269.000	49.820	50.760	49.580
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.990	49.450	-0.145	48.110	49.500	0.000	49.410	50.090	-1.476
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.980	50.150	90.864%	50.250	50.310	50.010	49.050	0.045	93.814%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		48.470	49.080	48.530	95.386%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.869%	-0.016	1.524	1.575	1.680	2.536	1.220	1.498	96.225%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.269	0.436	-0.170	-7929.000	0.144	3.133	0.017	0.040	0.016
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.359	-0.666	0.022	-0.643	0.012	0.000	0.053	0.007	0.109
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.006	-0.019	100.362%	0.078	-0.015	-0.016	0.012	-0.000	101.291%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.193	0.196	0.031	105.744%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.748%	-0.018	60.690	1.173	1.278	10.250	8.071	89.750	98.932%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.131	0.748	-0.618	-33070.000	0.053	1.686	0.005	0.116	0.159

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3.821	-0.117	-0.384	-1.142	0.452	0.000	0.011	0.010	0.063

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.009	-0.020	103.457%	0.143	-0.018	-0.026	0.546	0.001	103.879%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.097	0.084	0.065	106.353%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		85.852%	22.160	T5174.000	T5053.000	4891.000	T5040.000	T4863.000	5246.000	92.674%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		926.700	241.400	239.200	-31050.000	T493.200	T5116.000	243.200	247.300	244.700

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		458.200	46.090	-0.437	41.930	M477.700	0.000	236.200	49.320	-3.282

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.400	48.420	96.100%	242.200	46.970	47.520	488.400	0.517	99.407%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		49.900	50.570	485.700	100.823%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.475%	-0.019	T 4309.000	TM 25320.000	TM 25320.000	5.736	T 4224.000	TM 40790.000	97.380%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.073	0.860	0.149	-35870.000	84.340	16.580	0.141	0.880	1.751

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		5.298	0.156	0.057	-0.997	41.850	0.000	0.996	0.010	0.121

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.007	-0.024	100.078%	0.447	0.094	0.103	78.880	0.075	102.505%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.222	0.229	0.347	103.910%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		91.871%	22.860	T 9696.000	TM 31190.000	TM 31000.000	T 5243.000	T 9209.000	TM 46490.000	94.589%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		937.100	244.500	239.400	-39950.000	T 588.700	T 5270.000	243.100	247.700	243.200

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		441.700	45.380	-0.093	40.220	TM 553.200	0.000	240.100	48.980	-2.870

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.970	47.010	95.616%	241.700	46.050	47.170	570.900	0.623	98.907%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		50.200	50.830	489.500	97.289%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		90.661%	21.870	T 9473.000	TM 30810.000	TM 30590.000	T 5137.000	T 9168.000	TM 46210.000	96.097%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		924.300	241.500	235.600	-65430.000	T 585.300	T 5211.000	240.000	241.300	238.000

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		452.100	45.780	-0.656	40.060	TM 547.000	0.000	235.700	48.010	-3.003

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		47.980	48.000	100.851%	240.500	46.630	47.300	564.300	0.557	104.409%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		49.850	50.870	486.700	103.968%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.021%	9.245	T 9500.000	TM 30430.000	TM 30310.000	T 1068.000	T 9202.000	TM 45690.000	97.151%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		23.280	20.800	19.720	-39240.000	161.200	T 2189.000	29.970	40.360	30.450

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		75.590	70.570	0.055	55.610	61.730	0.000	31.560	40.620	-6.192

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		40.210	22.870	99.081%	104.700	73.690	77.620	98.440	0.100	102.106%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		101.600	103.000	79.970	103.239%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		93.701%	-0.020	↑856.800	↑5118.000	↑5019.000	1.080	↑828.400	7699.000	96.291%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.176	0.393	-0.222	-14330.000	16.980	2.409	0.024	0.181	0.327
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2.391	-0.168	0.064	-0.816	8.190	0.000	0.245	0.001	0.089
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	-0.022	100.128%	0.160	0.142	0.156	15.430	0.022	101.431%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.119	0.132	0.068	105.743%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.484%	-0.017	↑6204.000	↑5635.000	↑5625.000	10.480	491.000	13420.000	99.641%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3.343	31.210	1.867	5563.000	1.179	27.200	0.018	1.106	2.631
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		19.700	-0.160	0.179	-1.181	47.500	0.000	0.286	0.010	0.160
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.009	-0.027	102.320%	1.005	0.158	0.181	2.323	0.006	104.495%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.089	0.089	0.460	110.164%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		94.782%	-0.015	T 6377.000	T 5848.000	T 5860.000	8.429	487.400	13580.000	99.839%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3.020	31.900	1.632	3972.000	0.959	11.170	0.004	0.531	1.875

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		20.240	-0.108	0.135	-1.012	47.660	0.000	0.291	0.009	0.144

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.014	-0.012	99.571%	0.980	0.102	0.120	1.813	0.003	101.051%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.074	0.066	0.361	102.806%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		87.254%	-0.013	TM 168000.000	T 1219.000	1144.000	5.680	T 771.500	4858.000	93.186%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.037	0.379	0.568	-20270.000	3.048	22.860	0.028	0.904	1.047

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.600	-0.078	0.072	-1.189	41.030	0.000	0.565	0.010	0.073

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.012	-0.017	95.530%	0.524	0.045	0.029	4.033	0.009	99.958%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.035	0.039	0.814	99.115%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		88.865%	4.838	ŧ10220.000	ŧ10140.000	ŧ10050.000	ŧ5167.000	ŧ9902.000	9929.000	90.886%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.450	48.540	47.980	-17350.000	49.230	ŧ5196.000	48.990	49.350	49.070
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.410	48.490	0.005	46.590	49.390	0.000	49.730	49.210	-1.532
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.480	49.460	96.018%	50.410	50.230	50.590	48.930	0.059	99.007%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		47.350	48.600	48.590	103.872%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		89.348%	-0.016	2.156	0.045	0.051	-0.345	-0.545	0.450	92.539%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.016	0.649	-0.182	8485.000	0.011	-3.984	0.000	-0.001	0.005
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.127	0.141	-0.032	-0.531	-0.009	0.000	0.046	0.001	0.053
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.000	-0.011	95.522%	0.082	-0.011	-0.009	-0.019	-0.001	96.799%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.227	0.206	0.002	101.653%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.321%	-0.020	T 13650.000	T 8730.000	T 8721.000	5.548	285.200	TM 32850.000	97.578%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2.199	0.685	0.875	14720.000	42.820	60.940	0.008	1.052	1.441
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		17.160	-0.723	0.452	-1.140	26.710	0.000	0.676	0.008	0.082
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.011	-0.021	100.424%	0.520	0.053	0.054	0.806	0.002	103.126%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.097	0.106	0.507	108.240%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.190%	-0.016	TM 135700.000	T 13110.000	T 13020.000	6.115	T 728.700	TM 257900.000	95.135%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2.324	1.534	0.540	-38000.000	39.240	94.660	-0.174	1.097	1.416
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		9.684	-0.895	1.227	-1.196	115.000	0.000	0.332	0.008	0.103
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.011	-0.025	93.121%	0.670	0.066	0.086	0.788	0.006	98.098%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.078	0.082	0.402	94.243%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.716%	-0.013	T 8994.000	T 6949.000	T 6847.000	65.140	469.300	17810.000	100.215%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		5.436	4.614	0.894	1555.000	85.180	T 187.800	0.277	1.810	9.689

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		45.340	0.501	0.224	-0.453	73.750	0.000	1.161	0.011	0.124

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.005	-0.018	103.055%	0.437	0.172	0.177	19.980	0.036	105.322%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.037	0.039	0.499	110.210%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		93.092%	-0.018	TM 111000.000	T 1894.000	1759.000	4.621	T 866.200	8086.000	95.336%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.005	0.134	0.804	-2894.000	16.220	28.730	0.018	1.053	4.027

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		18.450	0.249	0.306	-0.932	63.310	0.000	0.668	0.005	0.091

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.002	-0.021	99.601%	0.431	0.034	0.053	14.660	0.015	104.659%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.024	0.032	0.408	106.825%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		90.975%	-0.017	6.720	0.403	0.434	1.648	1.621	9.776	96.844%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.050	-0.510	0.242	25690.000	0.017	-1.923	0.002	0.049	0.002
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.211	0.030	0.208	-0.542	0.076	0.000	0.007	0.002	0.103
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.001	-0.030	101.338%	2.705	-0.004	-0.011	0.309	0.001	102.813%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.011	0.011	0.010	107.458%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		91.847%	4.985	↑1012.000	↑1001.000	996.000	↑1027.000	↑987.700	1112.000	93.864%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		193.800	50.310	50.480	30190.000	103.000	↑1063.000	51.010	51.900	51.390
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.000	9.941	0.122	9.585	102.000	0.000	47.840	10.280	-0.423
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.280	10.220	101.015%	53.160	9.845	10.100	102.700	0.134	103.739%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		9.764	9.988	99.910	111.017%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.857%	0.721	44.780	T 3480.000	3311.000	TM 17520.000	T 2748.000	4368.000	101.366%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		224.400	33.990	60.830	-53.890	T 654.900	TM 22170.000	8.112	23.260	598.700
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		237.300	7.864	0.194	0.956	TM 863.200	0.000	0.972	0.172	-0.118
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.195	2.187	104.601%	8.623	33.020	32.820	TM 4186.000	9.210	107.320%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.326	0.349	T 1087.000	112.540%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		91.969%	5.447	T 1088.000	T 5299.000	T 5124.000	TM 26760.000	T 4686.000	5404.000	98.209%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		485.200	96.790	114.000	-2407.000	T 840.200	TM 25680.000	56.830	74.450	651.400
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		344.000	17.340	0.204	9.128	TM 987.300	0.000	46.040	10.030	-0.844
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.030	11.980	101.156%	56.280	38.140	38.240	TM 4433.000	9.404	104.547%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		9.920	10.070	T 1411.000	109.084%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.359%	5.437	T 1044.000	T 5129.000	T 5001.000	TM 26630.000	T 4654.000	5501.000	97.850%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		480.000	95.560	112.400	-3125.000	T 753.500	TM 25700.000	55.440	72.770	656.800
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		342.900	17.490	0.203	9.415	TM 996.800	0.000	44.990	9.853	-0.839
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		9.965	11.870	103.385%	56.350	36.990	37.080	TM 4226.000	9.435	107.033%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		9.633	9.994	T 1232.000	113.193%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		88.073%	9.976	T 5273.000	T 8440.000	T 8324.000	TM 17420.000	T 7577.000	9015.000	94.015%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		228.800	50.620	76.000	-3330.000	T 699.400	TM 22970.000	36.990	61.870	581.800
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		299.100	83.960	0.060	64.450	TM 828.300	0.000	31.070	41.310	-6.775
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		41.030	25.920	97.303%	111.400	111.900	114.900	TM 3818.000	8.654	101.761%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		99.600	100.100	T 1104.000	104.799%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		88.566%	4.853	↑9943.000	↑9862.000	↑9737.000	↑5051.000	↑9753.000	9878.000	88.143%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.800	49.040	47.130	-32820.000	48.820	↑5167.000	48.790	48.810	48.170
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.570	49.290	-0.216	48.320	49.470	0.000	49.410	49.190	-1.558
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.120	49.910	94.403%	50.420	50.700	50.930	49.090	0.052	99.181%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		47.480	48.740	48.720	104.217%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.867%	-0.016	5.584	1.684	1.833	0.508	1.421	2.254	94.074%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.058	0.294	-0.370	-108.100	0.004	-2.729	0.009	0.008	0.007
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.116	-0.089	-0.033	-0.614	0.014	0.000	0.069	0.008	0.139
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.008	-0.034	99.674%	0.107	-0.006	0.000	0.049	-0.001	100.985%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.270	0.278	0.013	106.970%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.561%	0.101	9.162	τ589.100	614.400	τ3176.000	478.800	816.000	99.545%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		41.000	5.772	11.060	2276.000	118.600	τ4000.000	1.510	4.273	112.600
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		47.390	1.244	0.006	-0.262	153.400	0.000	0.178	0.032	0.033
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.033	0.418	104.194%	1.651	6.016	6.153	730.600	1.686	106.040%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.145	0.148	199.100	112.333%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.510%	0.003	8.038	41.960	44.490	τ1910.000	32.860	39.120	100.606%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		56.370	4.712	2.579	-1916.000	5.894	τ1569.000	0.093	0.677	1.040
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3.933	0.312	0.058	0.070	0.736	0.000	0.126	0.004	0.059
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.001	-0.007	105.801%	2.259	0.009	-0.000	4.044	0.550	107.318%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.078	0.078	4.305	113.849%					

S 609079-002-002-1/1 09/29/2006 12:42:45 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.927%	0.008	8.032	41.220	43.960	~2026.000	32.060	36.880	98.439%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		72.660	3.786	2.387	4.978	5.134	~1176.000	0.084	0.775	0.651
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3.468	0.223	0.029	-0.200	0.374	0.000	0.077	0.003	0.112
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.002	-0.009	102.287%	2.160	-0.011	-0.007	3.701	0.662	103.282%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.074	0.065	1.753	107.409%					

S 609079-003-003-1/1 09/29/2006 12:48:53 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.131%	0.016	10.320	77.620	81.560	~4876.000	63.100	39.130	99.166%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.220	9.223	5.258	-4518.000	5.436	~3082.000	0.185	1.171	1.189
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3.980	0.651	0.020	-0.107	0.593	0.000	0.157	0.006	0.017
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.003	0.022	104.025%	2.196	0.015	0.007	4.147	0.666	105.682%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.061	0.064	4.550	110.951%					

S 609079-004-004-1/1 09/29/2006 12:55:03 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.716%	0.029	9.529	68.810	71.860	T 4037.000	50.550	181.700	98.728%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		88.270	7.786	5.001	-1818.000	7.710	T 3274.000	0.220	1.190	2.464
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		7.399	0.711	0.048	-0.189	1.379	0.000	0.559	0.021	0.088
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.026	0.003	103.730%	2.170	0.013	0.010	5.471	0.638	105.134%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.065	0.058	5.522	109.872%					

S 609079-005-005-1/1 09/29/2006 01:01:09 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.225%	0.099	18.610	82.730	86.140	TM 13880.000	64.720	136.900	103.199%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		94.850	32.610	19.550	-17720.000	7.275	TM 25150.000	0.334	2.075	5.245
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		6.579	3.945	0.136	0.183	1.238	0.000	0.898	0.014	0.007
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.006	0.016	104.849%	2.753	0.043	0.054	5.264	0.771	106.107%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.043	0.047	5.754	109.779%					

S 609079-006-006-1/1 09/29/2006 01:07:20 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.584%	0.084	9.964	75.430	78.220	T 8278.000	73.190	61.200	101.174%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		73.790	21.080	14.030	-12100.000	4.695	T 9095.000	0.261	1.142	3.215
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4.919	2.049	0.113	-0.199	1.381	0.000	0.509	0.008	0.003
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.002	0.033	105.342%	2.508	0.028	0.000	5.292	1.407	107.296%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.043	0.044	3.674	113.894%					

S 609079-007-007-1/1 09/29/2006 01:13:30 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		94.811%	0.127	16.220	89.750	95.860	TM 9959.000	88.520	37.070	100.516%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		72.460	21.340	12.590	-11210.000	4.429	T 8313.000	0.408	1.688	3.106
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4.607	1.696	0.092	-0.040	1.021	0.000	0.394	0.011	0.009
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.004	0.012	102.693%	2.408	0.014	0.006	5.626	2.182	103.986%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.045	0.057	3.600	107.339%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.689%	0.027	10.590	46.660	48.700	τ3684.000	54.610	43.290	98.771%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		55.550	9.234	5.540	-12350.000	1.645	τ5518.000	0.153	0.767	1.790
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4.668	0.926	-0.034	-0.149	0.845	0.000	0.173	0.006	0.068
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.002	-0.019	102.843%	2.365	-0.008	-0.003	3.764	1.058	105.186%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.028	0.026	1.749	110.304%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.675%	0.065	10.510	106.500	112.100	τ4115.000	70.590	70.210	98.209%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		78.710	7.410	4.226	-7668.000	7.934	τ2580.000	0.309	1.564	1.267
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		7.027	0.401	0.042	-0.387	0.749	0.000	0.151	0.030	0.096
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.023	-0.002	103.892%	2.296	0.017	0.004	6.257	0.932	106.237%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.045	0.035	4.587	111.993%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		83.340%	4.794	↑10410.000	↑10310.000	↑10190.000	↑5126.000	↑10010.000	9913.000	88.454%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.810	48.640	47.510	-22830.000	49.660	↑5223.000	49.110	49.420	48.540

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.880	50.600	-0.211	48.210	49.550	0.000	49.330	49.070	-1.740

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.570	49.700	93.293%	50.350	50.500	50.710	49.610	0.060	96.471%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		48.560	48.960	48.910	99.480%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.383%	-0.017	7.338	4.259	4.335	2.373	3.830	4.037	94.046%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.061	0.026	-0.469	4998.000	0.050	-0.390	0.020	0.031	0.024

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.211	-0.069	-0.063	-0.820	0.030	0.000	0.043	0.022	0.108

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.018	0.002	101.697%	0.086	0.005	0.012	0.185	-0.000	103.091%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.210	0.205	0.052	110.013%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.783%	0.016	10.220	47.040	48.920	τ2954.000	35.960	40.790	98.884%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		79.670	7.866	4.382	5318.000	7.131	τ2111.000	0.132	0.842	0.963
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3.802	0.429	0.092	0.077	0.466	0.000	0.107	0.004	0.081
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.001	-0.017	103.543%	2.339	0.009	0.013	3.760	1.140	103.944%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.111	0.100	3.766	109.624%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.493%	0.009	9.686	49.340	52.410	τ3046.000	36.540	54.890	98.221%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		85.840	7.127	3.496	560.400	8.729	τ1946.000	0.120	0.953	1.044
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4.429	0.314	0.071	-0.055	0.584	0.000	0.164	0.002	0.052
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.001	0.008	103.391%	2.180	0.013	0.011	4.012	1.027	104.479%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.053	0.050	4.227	109.080%					

BLK(125) 09/29/2006 02:02:35 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		93.035%	-0.017	65.200	1.177	1.117	5.851	5.409	149.300	98.895%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.165	0.398	-0.353	-30220.000	0.065	5.265	0.004	0.212	0.083
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8.604	-0.284	-0.422	-1.603	0.759	0.000	0.001	0.006	0.119
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.007	-0.027	104.337%	0.024	-0.033	-0.019	0.683	0.001	104.238%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.023	0.023	0.108	105.849%					

BKS(125) 09/29/2006 02:08:43 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		90.094%	23.070	T 5126.000	T 5022.000	4784.000	T 5142.000	T 4950.000	5421.000	92.195%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		938.400	242.100	241.600	-3258.000	T 502.500	T 5239.000	245.200	250.500	245.700
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		466.600	46.000	-0.051	41.060	TM 499.000	0.000	238.600	49.980	-3.027
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.730	48.740	98.393%	246.500	47.550	48.480	498.300	0.497	102.302%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		49.240	49.930	484.800	107.361%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		87.795%	-0.018	TM 38470.000	TM 20770.000	TM 20680.000	11.710	T 6546.000	TM 72120.000	94.999%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.105	0.742	-0.952	-65990.000	30.180	T 2396.000	0.003	0.879	0.909

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.630	46.150	-0.519	-1.142	TM 920.400	0.000	1.012	0.005	0.128

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.003	-0.001	100.383%	0.135	0.004	0.014	1.503	0.003	103.990%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.189	0.186	0.149	102.408%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		85.929%	21.830	TM 43440.000	TM 25500.000	TM 25400.000	T 5182.000	T 11490.000	TM 77640.000	91.228%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		929.400	241.400	236.800	-46200.000	T 538.500	T 7584.000	236.700	237.900	232.200

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		450.200	89.030	-0.059	39.100	TM 1431.000	0.000	237.600	47.910	-3.311

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		47.810	48.110	95.331%	244.500	46.710	47.240	495.700	0.449	99.538%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		50.120	50.810	488.700	99.845%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		89.681%	21.840	TM 41240.000	TM 24480.000	TM 24280.000	T 5113.000	T 11200.000	TM 76570.000	90.686%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		927.600	240.300	234.200	-43260.000	T 535.700	T 7534.000	236.200	237.400	230.000

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		439.800	88.330	0.026	37.910	TM 1424.000	0.000	238.000	47.480	-2.691

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		47.230	47.890	96.720%	243.900	47.130	48.180	495.500	0.460	101.976%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		49.510	50.330	486.900	104.067%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		84.521%	9.040	TM 43420.000	TM 25900.000	TM 25740.000	T 1081.000	T 11650.000	TM 76560.000	93.958%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		23.720	20.670	18.850	-68010.000	109.400	T 4565.000	29.700	40.740	29.890

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		83.970	119.500	-0.617	60.000	TM 925.500	0.000	32.170	40.500	-6.414

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		40.360	23.180	97.871%	105.900	75.220	77.980	22.130	0.041	100.888%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		105.500	106.700	82.540	100.211%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.738%	-0.019	τ7210.000	τ3915.000	3741.000	1.959	τ1242.000	13210.000	93.806%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.259	0.564	-0.732	-28630.000	6.077	τ470.400	-0.002	0.156	0.187

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3.289	9.820	-0.130	-0.511	170.800	0.000	0.222	0.001	0.147

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.001	-0.035	101.336%	0.130	0.287	0.266	0.375	0.002	104.558%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.088	0.091	0.039	111.284%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.685%	-0.019	190.300	13.700	13.980	7.293	8.002	196.300	95.190%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.195	-0.266	-0.017	-8326.000	0.677	16.550	0.013	0.855	1.056

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8.278	-0.316	-0.141	-1.536	0.766	0.000	0.167	0.005	0.101

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.003	-0.023	102.176%	0.260	0.101	0.118	0.689	0.002	104.765%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.072	0.079	0.182	109.763%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		85.764%	4.807	ŧ10170.000	ŧ10110.000	ŧ9945.000	ŧ5052.000	ŧ9835.000	9900.000	88.535%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.510	48.600	47.330	-24360.000	48.700	ŧ5144.000	48.110	48.280	48.340
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.170	48.970	-0.120	47.070	49.290	0.000	49.010	48.810	-1.572
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.170	49.210	93.768%	50.130	50.950	50.600	49.090	0.075	97.773%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		47.700	48.630	48.890	101.780%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.850%	-0.019	8.499	4.456	4.564	2.637	2.543	5.652	90.369%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.134	0.264	-0.631	-6726.000	0.038	-3.521	0.022	0.018	0.029
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.221	0.248	-0.117	-0.624	0.043	0.000	0.078	0.025	0.138
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.020	-0.020	98.368%	0.106	0.043	0.034	0.143	-0.000	100.879%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.212	0.222	0.052	109.054%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		75.074%	-0.016	TM 261800.000	TM 100300.000	TM 99440.000	TM 101600.000	TM 101600.000	TM 324700.000	77.546%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2067.000	0.010	0.353	-54570.000	0.018	TM 254200.000	0.063	0.049	0.634
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.732	0.492	0.368	-0.080	4.173	0.000	M 1944.000	0.102	1.656
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.089	-0.116	83.043%	0.247	0.223	0.221	0.534	0.041	88.841%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.171	0.183	0.137	85.822%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		77.281%	16.640	TM 254500.000	TM 97450.000	TM 96680.000	TM 99490.000	TM 99650.000	TM 322400.000	77.466%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2036.000	18.720	18.670	-58270.000	18.600	TM 250000.000	18.100	17.430	16.920
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		18.110	18.150	0.208	16.720	23.970	0.000	M 1933.000	17.180	1.160
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		17.200	17.060	84.436%	20.160	18.870	18.800	19.940	0.051	91.729%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		19.760	20.270	20.140	90.047%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		85.985%	4.940	↑9971.000	↑9885.000	↑9779.000	↑5060.000	↑9691.000	9932.000	85.552%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.680	49.010	47.180	-43690.000	49.170	↑5111.000	48.710	49.190	48.920
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.430	49.730	-0.268	48.630	48.950	0.000	50.280	49.410	-1.527
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.410	50.080	91.955%	50.720	51.110	50.590	49.300	0.043	99.129%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		48.380	48.750	48.880	103.834%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		91.977%	-0.012	15.240	5.019	5.479	2.904	4.498	6.545	88.932%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.128	0.697	-0.712	-26780.000	0.034	-3.532	0.025	0.022	0.034
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.093	-0.531	-0.102	-0.579	0.044	0.000	0.454	0.030	0.199
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.020	-0.032	96.462%	0.095	0.036	0.023	0.134	-0.000	102.253%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.247	0.258	0.058	109.331%					

Instrument ID: HYDRA AA	Method: 7470	Start Seq #: 361		Traceability-Solutions	
Corr. Coef. 0.999976	Data File: H6061002	End Seq #: 416		Rinse 10% HCL Bath:	129-125-2
Test Optics Sample: 1038749	Rack 1: ~~HE~~ 94068	Folder: Sep 06		Stannous CL 10%:	129-114-09
Hg Lamp: 8.638 V	Rack 2:	Batch Name:			

GPL - Maryland Laboratory

CVAA Analysis Log

Data File: HG061002.PRN

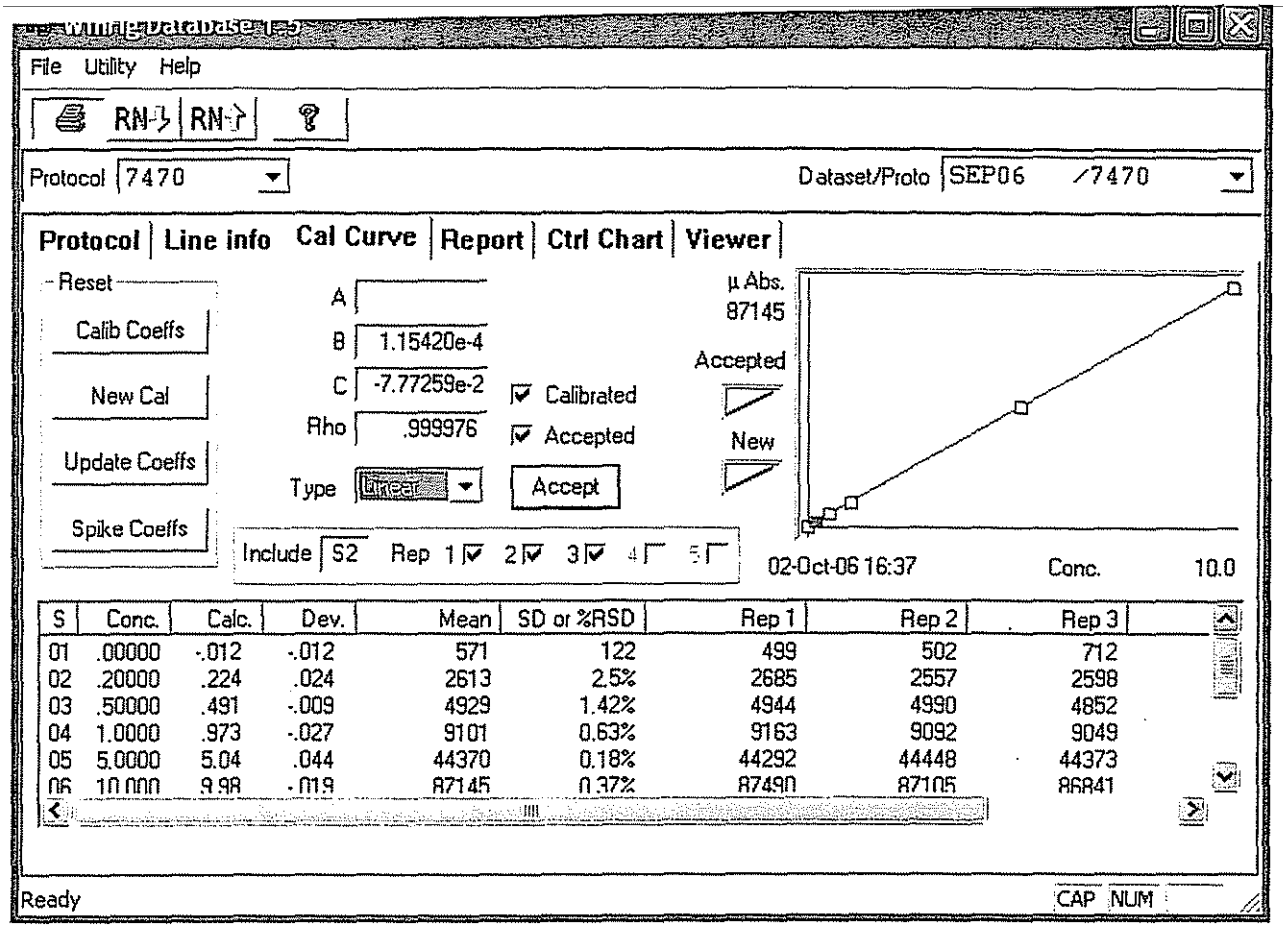
Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time
1	Std01Rep1	1	10/2/2006	15:52	31	S 609079-013-013-1/4	1	10/2/2006	17:06										
2	Std01Rep2	1	10/2/2006	15:54	32	SP609079-013-013-1/	1	10/2/2006	17:09										
3	Std01Rep3	1	10/2/2006	15:56	33	SD609079-013-013-1/	1	10/2/2006	17:11										
4	Std02Rep1	1	10/2/2006	15:59	34	Ck5 CCV	1	10/2/2006	17:13										
5	Std02Rep2	1	10/2/2006	16:01	35	Ck6 CCB	1	10/2/2006	17:15										
6	Std02Rep3	1	10/2/2006	16:05	36	BE060918	1	10/2/2006	17:17										
7	Std03Rep1	1	10/2/2006	16:09	37	S 609086-001-001-1/1	1	10/2/2006	17:19										
8	Std03Rep2	1	10/2/2006	16:11	38	SP609086-001-001-1/	1	10/2/2006	17:22										
9	Std03Rep3	1	10/2/2006	16:13	39	SD609086-001-001-1/	1	10/2/2006	17:24										
10	Std04Rep1	1	10/2/2006	16:16	40	S 609086-002-002-1/1	1	10/2/2006	17:25										
11	Std04Rep2	1	10/2/2006	16:18	41	S 609086-003-003-1/1	1	10/2/2006	17:29										
12	Std04Rep3	1	10/2/2006	16:20	42	S 609086-004-004-1/1	1	10/2/2006	17:32										
13	Std05Rep1	1	10/2/2006	16:22	43	S 609086-005-005-1/1	1	10/2/2006	17:34										
14	Std05Rep2	1	10/2/2006	16:25	44	S 609112-001-017-1/1	1	10/2/2006	17:36										
15	Std05Rep3	1	10/2/2006	16:28	45	Ck4 CRA	1	10/2/2006	17:39										
16	Std06Rep1	1	10/2/2006	16:30	46	Ck5 CCV	1	10/2/2006	17:41										
17	Std06Rep2	1	10/2/2006	16:32	47	Ck6 CCB	1	10/2/2006	17:43										
18	Std06Rep3	1	10/2/2006	16:34	48	S 609112-002-018-1/1	1	10/2/2006	17:46										
19	Ck2 ICV	1	10/2/2006	16:39	49	S 609112-003-019-1/1	1	10/2/2006	17:48										
20	Ck3 ICB	1	10/2/2006	16:41	50	S 609112-004-020-1/1	1	10/2/2006	17:50										
21	Ck4 CRA	1	10/2/2006	16:43	51	S 609112-005-027-1/1	1	10/2/2006	17:53										
22	Ck5 CCV	1	10/2/2006	16:45	52	SP609112-005-027-1/	1	10/2/2006	17:55										
23	Ck6 CCB	1	10/2/2006	16:47	53	SD609112-005-027-1/	1	10/2/2006	17:57										
24	BLK94068	1	10/2/2006	16:49	54	Ck4 CRA	1	10/2/2006	17:59										
25	BKS94068	1	10/2/2006	16:52	55	Ck5 CCV	1	10/2/2006	18:02										
26	S 609089-003-012-1/1	1	10/2/2006	16:55	56	Ck6 CCB	1	10/2/2006	18:04										
27	S 609093-002-013-1/1	1	10/2/2006	16:57															
28	S 609093-003-002-1/1	1	10/2/2006	16:59															
29	S 609093-004-014-1/1	1	10/2/2006	17:02															
30	S 609079-012-012-1/1	1	10/2/2006	17:04															

Analyst Signature: [signature] Date: 10-2-06 Analyst Signature: Date:

Sample Dilutions:

Workorders	Dilutions/Reanalyses/Comments	Source Solutions	
609089		Stds	Numbers
609093		S0	38263
609079	Redigestion to meet asm.	S1	↓
607086		S2	
609112		S3	
	IDL study, day 1. at 0.1ppb	S4	
		S5	
		CRA	↓
		ICV	37097
		CCV	38263

Analyst: [signature] Date: 10-2-06 Reviewed: [signature] Date: 4/Oct/2006



S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	.00000	-.012	-.012	571	122	499	502	712
02	.20000	.224	.024	2613	2.5%	2685	2557	2598
03	.50000	.491	-.009	4929	1.42%	4944	4990	4852
04	1.0000	.973	-.027	9101	0.63%	9163	9092	9049
05	5.0000	5.04	.044	44370	0.18%	44292	44448	44373
06	10.000	9.98	-.019	87145	0.37%	87490	87105	86841

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq:	361	15:52:30 02 Oct 06	HG	
Hg	.000	ppb	499					
*** Standard: 1 Rep: 2				Seq:	362	15:54:35 02 Oct 06	HG	
Hg	.000	ppb	502					
*** Standard: 1 Rep: 3				Seq:	363	15:56:53 02 Oct 06	HG	
Hg	.000	ppb	712					
*** Standard: 2 Rep: 1				Seq:	364	15:59:01 02 Oct 06	HG	
Hg	.200	ppb	2685					
*** Standard: 2 Rep: 2				Seq:	365	16:01:07 02 Oct 06	HG	
Hg	.200	ppb	2557					
*** Standard: 2 Rep: 3				Seq:	366	16:05:18 02 Oct 06	HG	
Hg	.200	ppb	2598					
*** Standard: 3 Rep: 1				Seq:	367	16:09:21 02 Oct 06	HG	
Hg	.500	ppb	4943					
*** Standard: 3 Rep: 2				Seq:	368	16:11:47 02 Oct 06	HG	
Hg	.500	ppb	4990					
*** Standard: 3 Rep: 3				Seq:	369	16:13:53 02 Oct 06	HG	
Hg	.500	ppb	4852					
*** Standard: 4 Rep: 1				Seq:	370	16:16:03 02 Oct 06	HG	
Hg	1.00	ppb	9163					
*** Standard: 4 Rep: 2				Seq:	371	16:18:10 02 Oct 06	HG	
Hg	1.00	ppb	9092					
*** Standard: 4 Rep: 3				Seq:	372	16:20:41 02 Oct 06	HG	
Hg	1.00	ppb	9049					
*** Standard: 5 Rep: 1				Seq:	373	16:22:47 02 Oct 06	HG	
Hg	5.00	ppb	44291					
*** Standard: 5 Rep: 2				Seq:	374	16:25:09 02 Oct 06	HG	
Hg	5.00	ppb	44448					
*** Standard: 5 Rep: 3				Seq:	375	16:28:09 02 Oct 06	HG	
Hg	5.00	ppb	44373					

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Standard: 6 Rep: 1              Seq:  376     16:30:16 02 Oct 06   HG

Hg    10.0    ppb      87490

*** Standard: 6 Rep: 2              Seq:  377     16:32:43 02 Oct 06   HG

Hg    10.0    ppb      87105

*** Standard: 6 Rep: 3              Seq:  378     16:34:51 02 Oct 06   HG

Hg    10.0    ppb      86841

*** Check Standard: 2  Ck2 ICV      Seq:  379     16:38:44 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          107.     3.22    3.00  ppb         .000

*** Check Standard: 3  Ck3 ICB      Seq:  380     16:41:12 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -72.6    -.036    .050  ppb         .000

*** Check Standard: 4  Ck4 CRA      Seq:  381     16:43:18 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          110.     .221    .200  ppb         .000

*** Check Standard: 5  Ck5 CCV      Seq:  382     16:45:27 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          100.     5.02    5.00  ppb         .000

*** Check Standard: 6  Ck6 CCB      Seq:  383     16:47:43 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -47.6    -.024    .050  ppb         .000

*** Sample ID: BLK94068              Seq:  384     16:49:53 02 Oct 06   HG

Hg   -.030    ppb       .000     -.030

*** Sample ID: BKS94068              Seq:  385     16:52:37 02 Oct 06   HG

Hg    .989    ppb       .000      .989

*** Sample ID: S 609089-0            Seq:  386     16:55:04 02 Oct 06   HG
                          03-012-1/1
Hg   -.022    ppb       .000     -.022

*** Sample ID: S 609093-0            Seq:  387     16:57:09 02 Oct 06   HG
                          02-013-1/1
Hg   -.005    ppb       .000     -.005

*** Sample ID: S 609093-0            Seq:  388     16:59:34 02 Oct 06   HG
                          03-002-1/1
Hg    .001    ppb       .000      .001

*** Sample ID: S 609093-0            Seq:  389     17:02:20 02 Oct 06   HG
                          04-014-1/1
Hg   -.009    ppb       .000     -.009

*** Sample ID: S 609079-0            Seq:  390     17:04:37 02 Oct 06   HG
                          12-012-1/1
Hg   -.015    ppb       .000     -.015
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: S 609079-0            Seq:  391    17:06:47 02 Oct 06   HG
                            13-013-1/4
Hg   -.008    ppb       .000     -.008

*** Sample ID: SP609079-0            Seq:  392    17:09:05 02 Oct 06   HG
                            13-013-1/4
Hg    .992    ppb       .000      .992

*** Sample ID: SD609079-0            Seq:  393    17:11:12 02 Oct 06   HG
                            13-013-1/4
Hg    1.00    ppb       .000      1.00

*** Check Standard: 5  Ck5 CCV       Seq:  394    17:13:20 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          100.     5.02    5.00   ppb        .000

*** Check Standard: 6  Ck6 CCB       Seq:  395    17:15:41 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -73.5    -.037    .050   ppb        .000

*** Sample ID: BE060918              Seq:  396    17:17:48 02 Oct 06   HG

Hg   -.020    ppb       .000     -.020

*** Sample ID: S 609086-0            Seq:  397    17:19:57 02 Oct 06   HG
                            01-001-1/1
Hg   -.042    ppb       .000     -.042

*** Sample ID: SP609086-0            Seq:  398    17:22:22 02 Oct 06   HG
                            01-001-1/1
Hg    .639    ppb       .000      .639

*** Sample ID: SD609086-0            Seq:  399    17:24:37 02 Oct 06   HG
                            01-001-1/1
Hg    .645    ppb       .000      .645

*** Sample ID: S 609086-0            Seq:  400    17:26:54 02 Oct 06   HG
                            02-002-1/1
Hg   -.022    ppb       .000     -.022

*** Sample ID: S 609086-0            Seq:  401    17:29:00 02 Oct 06   HG
                            03-003-1/1
Hg   -.005    ppb       .000     -.005

*** Sample ID: S 609086-0            Seq:  402    17:32:17 02 Oct 06   HG
                            04-004-1/1
Hg   -.022    ppb       .000     -.022

*** Sample ID: S 609086-0            Seq:  403    17:34:44 02 Oct 06   HG
                            05-005-1/1
Hg   -.014    ppb       .000     -.014

*** Sample ID: S 609112-0            Seq:  404    17:36:53 02 Oct 06   HG
                            01-017-1/1
Hg    .013    ppb       .000      .013

*** Check Standard: 4  Ck4 CRA       Seq:  405    17:39:15 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          118.     .235    .200   ppb        .000
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Check Standard: 5  Ck5 CCV      Seq:  406     17:41:22 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          101.     5.06    5.00   ppb        .000

*** Check Standard: 6  Ck6 CCB      Seq:  407     17:43:48 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -64.0    -.032    .050   ppb        .000

*** Sample ID: S 609112-0            Seq:  408     17:46:10 02 Oct 06   HG
                             02-018-1/1
Hg   -.004    ppb       .000     -.004

*** Sample ID: S 609112-0            Seq:  409     17:48:36 02 Oct 06   HG
                             03-019-1/1
Hg   -.022    ppb       .000     -.022

*** Sample ID: S 609112-0            Seq:  410     17:50:55 02 Oct 06   HG
                             04-020-1/1
Hg   -.006    ppb       .000     -.006

*** Sample ID: S 609112-0            Seq:  411     17:53:02 02 Oct 06   HG
                             05-027-1/1
Hg    .004    ppb       .000      .004

*** Sample ID: SP609112-0            Seq:  412     17:55:10 02 Oct 06   HG
                             05-027-1/1
Hg    .991    ppb       .000      .991

*** Sample ID: SD609112-0            Seq:  413     17:57:29 02 Oct 06   HG
                             05-027-1/1
Hg    1.00    ppb       .000      1.00

*** Check Standard: 4  Ck4 CRA      Seq:  414     17:59:37 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          108.     .217    .200   ppb        .000

*** Check Standard: 5  Ck5 CCV      Seq:  415     18:02:03 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          102.     5.09    5.00   ppb        .000

*** Check Standard: 6  Ck6 CCB      Seq:  416     18:04:19 02 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -38.9    -.019    .050   ppb        .000
```

Metals Preparation & Sample Description Log

Date: 09-21-06 Prep: 200.7 / 3005A / 3020A / 3050B / 3010A / ILC03.1 / ILM04.1 / ILM05.3 Batch No: 180- 135

Analyst: MH Comments: HOT PLATE DIGESTION (Water)

609093 = 001 Sample is for Perchlorate by SW 8321A; dual is charged HNO3

Reviewed by: RA Date: 9-27-06 Spike Witness: 9.21.06 Pep. Seq: 94062

	GPL Work Order No.	Sample	Frac	Size (mL) (g)	Final Vol. (mL)	Matrix S, W Other	Color Before	Color After	Clarity Before or Soil Texture	Clarity After Clear, Cloudy, Opaque	Soil Artifacts or Water pH
							R, Bl, Y, G, O, V, W Colorless, Br, Grey, Bk				
1	BLK	135		100	100	Water	colorless	colorless	clear	clear	
2	BKS	135									
3	609088	001	-005-½								
4		MS									
5		MSD									
6	609089	001	-001-½								
7		002	-002-½								
8		003	-012-½								
9	609093	001	-001-½								
10		002	-013-½								
11		003	-002-½								
12		004	-014-½								
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											

MH 09-21-06

LCS ID/ Amt. Added (ml ,g) : 0.1 ml (37361, 37362, 37363)	HNO3(1+1) ID:
Spiking ID / Amt. Added (ml) : 0.1 ml (37361, 37362, 37363)	HNO3(conc) ID: GP-129-05-11
6ML NaCl CNC, 10ml 1-1 HCl	HCl(conc) ID:
Temperature, C: 90° C	HCl(1+1) ID: GP-057-110-09
	Peroxide ID: 200-1e 4318

Mercury Digestion Log

Method: 7470A / 7471A / 245.1 / ILM04.1 / ILM05.2 / ILM05.3 Batch No: 183- 1 of 2

Digestion Date: 9-29.06 Analyst: DJH

Reviewed By / Date: KE 2/Oct/2006

GPL Workorder	Frac	Client ID	Matrix	SIZE mL / g	VOL (mL)	Spk.A. (mL)	KMnO4 (mL)
		S0	W	100	100		150
		S0.2				0.2	
		S0.5				0.5	
		S1.0				1.0	
		S5.0				5.0	
		S10.0				10.0	
		CRA				0.2	
		CCV				5.0	
		ICB/CCB				0	
		ICV				0.3	
		~~S0.1~~					
		~~S0.05~~					
		~~S0.3~~					
		~~S~~					

DJH 9-29-06

50% Aqua regia:		Spiking Solution Conc:	0.1 PPM Hg
HNO3:	129.08-09	Std/CRA/BKS/Spk:	1:20 dil of 38263.
H2SO4:	129-07-12	(2nd source) ICV:	38097
KMnO4:	129-121-03 (NEW)	H2O Bath Temp: 97	In Time: 2030
K2S2O8:	129-122-3 (NEW)	H2O Bath Temp: 95	Out Time: 2230
NH2OH*HCl:	129-123-2	H2O Bath Temp:	In Time:
Comments: New bottles, same lot. DJH 9-29-06		H2O Bath Temp:	Out Time:

Mercury Digestion Log

Method: 7470A / 7471A / 245.1 / ILM04.1 / ILM05.2 / ILM05.3 Batch No: 183- 2 of 2

Digestion Date: 9-29-06 Analyst: PH

Reviewed By / Date: KC 2/Oct/2006

GPL Workorder	Frac	Client ID	Matrix	SIZE mL / g	VOL (mL)	Spk.A. (mL)	KMnO4 (mL)
		BLK 94068	W	100	100	/	15.0
		BKS 94068				1.0	
609086-001	001-1/1					/	
		MS				1.0	
		MSD				1.0	
2	2					0	
3	3						
4	4						
5	5						
609079-012	012-1/1						
609079-013	013-1/4			10.0			
		MS		10.0			
		MSD		10.0			
B060918		(DI BLANK) BE2		10.0			
609089-003	012-1/1			100			
609093-002	013						
3	002						
4	014						
609112-001	017-1/1						
2	018						
3	019						
4	020						
5	027						
		MS				1.0	
		MSD				1.0	

50% Aqua regia:		Spiking Solution Conc:	0.1 PPM Hg
HNO3:	129-08-09	Std/CRA/BKS/Spk:	1:20 DIL of 38263
H2SO4:	129-07-12	(2nd source) ICV:	38057
KMnO4:	129-121-03	H2O Bath Temp: 97	In Time: 2030
K2S2O8:	129-122-03	H2O Bath Temp: 95	Out Time: 2230
NH2OH*HCl:	129-122-3	H2O Bath Temp:	In Time:
Comments:		H2O Bath Temp:	Out Time:

SUBCONTRACTED ANALYSES

GPL Laboratories

DATA CHEM LABORATORIES
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COVER PAGE

ANALYTICAL REPORT FOR GPL Laboratories

AUG 2 2 2006

Phone(801) 525-0456 Fax(801) 525-0457
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Form COVER-V1.4
09290614154175
Page 1

G068P01M

DCL Report Group..: 06E-0615-01

Date Printed.....: 29-SEP-06 14:15

Project Protocol #: P04BG001
Client Ref Number.: Shaw-FUDS MMRP-Sit
Release Number....: Shaw-FUDS MMRP-Sit

Analysis Method(s): LC-MS-CL04

GPL Laboratories
Attention: Tim Mikesell
7210A Corporate CT.
Frederick, MD 21703

Client Sample Name	Laboratory Sample Name	Date Sampled	Date Received
NWO-017-3002|609093001003	06E04439	14-SEP-06	21-SEP-06
NWO-017-3010|609093002015	06E04440	14-SEP-06	21-SEP-06
NWO-017-6001|609093003006	06E04441	14-SEP-06	21-SEP-06
NWO-017-3009|609093004018	06E04442	14-SEP-06	21-SEP-06
Method Blank	BL-250891-1	NA	NA
LCS	QC-250891-1	NA	NA

Analyst: Thomas T. McKay — Date 09/29/06

Reviewer: Penny A. Foote — Date 29-Sep-2006

Lab Supervisor: Reed A. Hendricks — Date 9-29-06

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547
Phone (801) 266-7700 Web Page: www.datachem.com
FAX (801) 268-9992 E-mail: lab@datachem.com

DATA CHEM LABORATORIES
A Sorenson Company

FORM H (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE GROUP COMMENTS

Form RLIMS63H-V1.4
09290614154175
Page 2

G068P01M

DCL Report Group..: 06E-0615-01
Date Printed.....: 29-SEP-06 14:15

Client Name...: GPL Laboratories

Release Number....: Shaw-FUDS MMRP-Sit

General Information

The DCL QC Database maintains all numerical figures which are input from the pertinent data source. These data have not been rounded to significant figures nor have they been moisture corrected. Reports generated from the system, however, list data which have been rounded to the number of significant figures requested by the client or deemed appropriate for the method. This may create minor discrepancies between data which appear on the QC Summary Forms (Forms B-G) and those that would be calculated from rounded analytical results. Additionally, if a moisture correction is performed, differences will be observed between the QC data and the surrogate data reported on Form A (or other report forms) and corresponding data reported on QC Summary Forms. In these cases, the Form A will indicate the "Report Basis" as well as the moisture value used for making the correction.

DataChem Laboratories, Inc. is accreditated by the State of Utah, Bureau of Laboratory Improvement under NELAP for specific fields of testing as documented in its current scope of accrediation (ID# DATA1) which is available by request or on the internet at http://hlunix.hl.state.ut.us/els/labimp/labcertification/labsutahcert.mdb. The quality systems implemented in the laboratory apply to all methods performed by DataChem regardless of this current scope of accreditation which does not include performance based methods, modified methods and methods applied to matrices not listed in the methods.

Report generation options: BX

Result Symbol Definitions

ND - Not Detected above the MDL (LLD or MDC for radiochemistry).
** - No result could be reported, see sample comments for details.

Qualifier Symbol Definitions

U - Not Detected above the MDL (LLD or MDC for radiochemistry).
B - For organic analyses the qualifier indicates that this analyte was found in the method blank. For inorganic analyses the qualifier signifies the value is between the MDL and PQL.
J - For organic analyses the qualifier indicates that the value is between the MDL and the PQL. It is also used for indicating an estimated value for tentatively identified compounds in mass spectrometry where a 1:1 response is assumed.

QC Flag Symbol Definitions

* - Parameter outside of specified QC limits.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.4
09290614154175
Page 3

S068P06X

Date Printed.....: 29-SEP-06 14:15

Client Name.....: GPL Laboratories
Client Ref Number....: Shaw-FUDS MMRP-Site 019
Sampling Site.....: Camp Addair
Release Number.....: Shaw-FUDS MMRP-Site 0

Date Received.....: 21-SEP-06 00:00

Client Sample Name: HWO-017-3002|609093001003
DCL Sample Name...: 06E04439
DCL Report Group..: 06E-0615-01

Matrix.....: WATER
Date Sampled.....: 14-SEP-06 12:30
Reporting Units...: ug/L
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: 27-SEP-06 00:00
Preparation Method...: PerchlorateLCMS
Aliquot Weight/Volume: Not Applicable
Net Weight/Volume....: Not Required

DCL Analysis Group: G068V020
Analysis Method...: LC-MS-CLO4
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPX
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Perchlorate	28-SEP-06 01:49	0.0612	ND		U	1	0.200

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.4
09290614154175
Page 4

S068P06Y

Date Printed.....: 29-SEP-06 14:15

Client Name.....: GPL Laboratories
Client Ref Number....: Shaw-FUDS MMRP-Site 019
Sampling Site.....: Camp Addair
Release Number.....: Shaw-FUDS MMRP-Site 0

Date Received.....: 21-SEP-06 00:00

Client Sample Name: NWO-017-3010|609093002015
DCL Sample Name...: 06E04440
DCL Report Group..: 06E-0615-01

Matrix.....: WATER
Date Sampled.....: 14-SEP-06 11:20
Reporting Units...: ug/L
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: 27-SEP-06 00:00
Preparation Method...: PerchlorateLCMS
Aliquot Weight/Volume: Not Applicable
Net Weight/Volume....: Not Required

DCL Analysis Group: G068V020
Analysis Method...: LC-MS-CLO4
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPX
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Perchlorate	28-SEP-06 02:11	0.0612	ND		U	1	0.200

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.4
09290614154175
Page 5

S068P06Z

Date Printed.....: 29-SEP-06 14:15

Client Name.....: GPL Laboratories
Client Ref Number....: Shaw-FUDS MMRP-Site 019
Sampling Site.....: Camp Addair
Release Number.....: Shaw-FUDS MMRP-Site 0

Date Received.....: 21-SEP-06 00:00

Client Sample Name: NWO-017-6001|609093003006
DCL Sample Name...: 06E04441
DCL Report Group..: 06E-0615-01

Matrix.....: WATER
Date Sampled.....: 14-SEP-06 00:00
Reporting Units...: ug/L
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: 27-SEP-06 00:00
Preparation Method...: PerchlorateLCMS
Aliquot Weight/Volume: Not Applicable
Net Weight/Volume....: Not Required

DCL Analysis Group: G068V020
Analysis Method...: LC-MS-CLO4
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPX
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Perchlorate	28-SEP-06 02:32	0.0612	ND		U	1	0.200

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.4
09290614154175
Page 6

S068P070

Date Printed.....: 29-SEP-06 14:15

Client Name.....: GPL Laboratories
Client Ref Number....: Shaw-FUDS MMRP-Site 019
Sampling Site.....: Camp Addair
Release Number.....: Shaw-FUDS MMRP-Site 0

Date Received.....: 21-SEP-06 00:00

Client Sample Name: NWO-017-3009|609093004018
DCL Sample Name...: 06E04442
DCL Report Group..: 06E-0615-01

Matrix.....: WATER
Date Sampled.....: 14-SEP-06 18:05
Reporting Units...: ug/L
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: 27-SEP-06 00:00
Preparation Method...: PerchlorateLCMS
Aliquot Weight/Volume: Not Applicable
Net Weight/Volume....: Not Required

DCL Analysis Group: G068V020
Analysis Method...: LC-MS-CLO4
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPX
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Perchlorate	28-SEP-06 02:54	0.0612	ND		U	1	0.200

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FORM B (TYPE I)
SINGLE METHOD ANALYSES

QUALITY CONTROL DATA SHEET
LABORATORY CONTROL SAMPLE (LCS)

Form RLIMS63B-V1.4
09290614154175
Page 7

S068V04V

Client Name.....: GPL Laboratories
Release Number.....: Shaw-FUDS MMRP-Site 0

Matrix.....: WATER
Reporting Units.....: ug/L

DCL Preparation Group: Not Applicable
Date Prepared.....: 27-SEP-06 00:00
Preparation Method...: PerchlorateLCMS

DCL Sample Name...: QC-250891-1
Date Printed.....: 29-SEP-06 14:15

DCL Analysis Group: G068V020
Analysis Method...: CLO4-LC/MS
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPX
☒ Primary
☐ Confirmation

QC Limit Type.....: Method

Analytical Results

Analyte	Date Analyzed	Target	Result	Percent Recovery	QC Limits	QC Flag
Perchlorate	27-SEP-06 20:27	1.00	0.909	90.9	85.0/115.	

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A Sorenson Company

FORM C (TYPE I)
SINGLE METHOD ANALYSES

Form RLIMS63C-V1.4
09290614154175
Page 8

S068V04T

QUALITY CONTROL DATA SHEET
BLANK SAMPLE

Client Name.....: GPL Laboratories
Release Number.....: Shaw-FUDS MMRP-Site 0

Matrix.....: WATER
Reporting Units.....: ug/L

DCL Preparation Group: Not Applicable
Date Prepared.....: 27-SEP-06 00:00
Preparation Method...: PerchlorateLCMS

DCL Sample Name...: BL-250891-1
Date Printed.....: 29-SEP-06 14:15

DCL Analysis Group: G068V020
Analysis Method...: LC-MS-CL04
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPX
☒ Primary
☐ Confirmation

QC Limit Type.....: Method

Analytical Results

Analyte	Date Analyzed	Result	MDL	CRDL
Perchlorate	27-SEP-06 20:05	ND	0.0612	0.200

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DATA CHEM LABORATORIES
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FORM F (TYPE I)
SINGLE METHOD ANALYSES

QUALITY CONTROL DATA SHEET
MATRIX SPIKE SAMPLE
MATRIX SPIKE DUPLICATE SAMPLE

S068M01W

Client Name.....: GPL Laboratories
Release Number.....: Shaw-FUDS MMRP-Site 0

Matrix.....: WATER
Reporting Units.....: ug/L

DCL Preparation Group: Not Applicable
Date Prepared.....: 27-SEP-06 00:00
Preparation Method...: PerchlorateLCMS

DCL Sample Name...: 06E04377MS
Date Printed.....: 29-SEP-06 14:15

DCL Analysis Group: G068V020
Analysis Method...: CLO4-LC/MS
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPX
☒ Primary
☐ Confirmation

QC Limit Type.....: Method

Analytical Results

Analyte	Date Analyzed	Sample Result	Spiked Result	Spike Added	Percent Recovery	QC Limits	QC Flag
Perchlorate	27-SEP-06 21:10	0.0943	5.11	5.00	100.	80.0/120.	

S068M01X

DCL Sample Name...: 06E04377MSD

Analytical Results

Analyte	Date Analyzed	Duplicate Result	Percent Recovery	Mean	Range	RPD	QC Limits	QC Flag
Perchlorate	27-SEP-06 21:31	5.19	102.	5.15	0.0813	1.6	0.00/15.0	

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OLOE-0007 OLOE-0624

GPL Laboratories

Chain of Custody Form for Subcontracted Analyses

GPL Laboratories
7210A Corporate CT, Frederick, MD 21703
Phone: 301 694-5310
Fax: 301 620-0731

W.O. No.: 609089
P.O. No.: "07262006"
Project Name: Camp Addair - Shaw FUDS MMRP
Project Number: Shaw FUDS MMRP Site -017

Samples Transferred To:
DATA CHEM LABORATORIES
960 W. LeVoy DRIVE
SALT LAKE CITY, UT 84123
Attn: Kevin GRIFFITHS
Phone: (801) 904-4302
(801) 266-7700 x 302

Lab Sample ID	Field Sample ID	Date Sampled	Time Sampled	Matrix	Analyses Required	Method	Type of Container	Preservative
609089-003-003-1/3	NWO-017-3008	13-SEP-06	17:20	WATER	Perchlorate By ~~SW8321~~ 314.0 - DCL SOP LCMS-CL04	E314.0_EXT_NR	VOA CLEAR	COOL
609089-003-004-2/3	NWO-017-3008	13-SEP-06	17:20	WATER	Perchlorate By ~~SW8321~~ 314.0 - DCL SOP LCMS-CL04	E314.0_EXT_NR	VOA CLEAR	COOL
609089-003-005-3/3	NWO-017-3008	13-SEP-06	17:20	WATER	Perchlorate By ~~SW8321~~ 314.0 - DCL SOP LCMS-CL04	E314.0_EXT_NR	VOA CLEAR	COOL

OLOE04363

Carrier: FedEx Priority overnight
Airbill No.: 7915 3274 4361
Report Due On: 10/3/06
Send Report Attn: Tim Mikesell @ Above Address
Perform Q.C. on Sample: _____
Condition Upon Receipt: _____
Comments: Analyze Samples based on DCL SOP (LCMS-CL04-Rev2) 7/19/06 - Reference DCL SOP for method on all Reports and Lab write-ups (Do not Reference method.)
** This is one Sample w/Three Containers **
Samples Relinquished By: [illegible] Date: 9/19/06 Time: 6PM
Samples Received By: [illegible] Date: 9/20/06 Time: 1000

Analytical Report For 609118

for

Shaw E&I, Inc

Project Manager: Tim Roth

Project Name: Camp Addair - Shaw FUDS MMRP Site - 017

GPL

Laboratories

GPL Laboratories, LLLP certifies that the test results meet all requirements of the NELAC Standards unless otherwise noted.

Reviewed By,
Project Manager

Approved By,
Laboratory Director

Case Narrative

Shaw E&I, Inc

4333

Camp Addair - Shaw FUDS MMRP Site - 017

Work Order: 609118

Reviewed by Virginia ZUSMAN on 10-24-2006

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Sample Analysis Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Seven water samples were received on 09/22/2006. The samples were delivered by Federal Express. Sample receipt conditions and temperatures are documented on the Sample Receipt checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Sample Analysis Summary Report. In some chromatographic analyses, manual integration is used instead of automated integration because it produces more accurate results. All manual integrations are denoted on the sample quantitation report. Analysis results and limits for soil are reported on a dry weight basis unless otherwise specified on the report.

Explosives/Propellants

Explosives

Five water samples were extracted and analyzed for explosive compounds, including Nitroglycerine, using SW846 method 8330A.

Extraction and analysis holding times were met.

Surrogate recovery was slightly above the QC limits for samples NWO-017-3006 and NWO017-3007.

Matrix spike and matrix spike duplicate analyses were performed on sample NWO-017-3005. Percent recovery of five compounds in the MS and eight in the MSD were below the QC limits. The %RPD for thirteen of the fourteen 8330 spiked compounds was above the QC limit. There was no spare samle volume for a re-extraction to be performed. All recoveries were within QC limits for Nitroglycerine.

A laboratory control samples were extracted and analyzed along with the batch. Recovery of HMX was very slightly below the QC limits.

Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate.

PETN

Five water samples were extracted and analyzed for PETN using the modified SW846 method 8330.

Extraction and analysis holding times were met.

Surrogate recovery was slightly above the QC limits for samples NWO-017-3006 and NWO017-3007.

Matrix spike and matrix spike duplicate analyses were performed on sample NWO-017-3005. Percent recovery was slightly above the QC limits in the MS and MSD. There was no spare sample volume for a re-extraction to be performed.

A laboratory control sample was extracted and analyzed along with the batch. Recovery was within QC limits.

Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate.

Metals

Six water samples were analyzed for aluminum, antimony, barium, cadmium, chromium, cobalt, copper, iron, lead, magnesium,

manganese, molybdenum, nickel, strontium, titanium, zinc, and mercury; and one water sample was analyzed for lead by EPA SW846 methods. The samples were analyzed by ICPMS in order to meet the required reporting limits.

On form one, the software flags all results for specific elements with a B qualifier if they have a result above two times the MDL and less than ½ the reporting limit for a continuing calibration blank, initial calibration blank or interference check solution A.

A matrix spike and matrix spike duplicate were performed on sample NOW-017-3005 for all required analytes. A serial dilution was performed also for the ICPMS analytes. They were within the control limits.

Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

All GPL QA/QC criteria were met with the exceptions of those mentioned above.

Subcontract Analysis

Seven water samples were subcontracted for Perchlorate analysis by SW846 method 8321.
See subcontractor case narrative for details of this analysis.

Reviewed By,
Project Manager

Approved By,
Laboratory Director

Sample Summary Report

Shaw E&I, Inc

Work Order: 609118

Client Sample ID	Lab Sample ID	Analytical Method	Matrix	Date Sampled	Date Recieved
NWO-017-3001	609118-007-026-1/1	SW6020	WATER	09/20/2006	09/22/2006
NWO-017-3005	609118-001-033-1/6	SW8330	WATER	09/20/2006	09/22/2006
	609118-001-033-1/6	SW8330A			
	609118-001-039-1/3	SW6020_MM			
	609118-001-039-1/3	SW7470A			
NWO-017-3006	609118-002-001-1/2	SW8330	WATER	09/19/2006	09/22/2006
	609118-002-001-1/2	SW8330A			
	609118-002-009-1/1	SW6020_MM			
	609118-002-009-1/1	SW7470A			
NWO-017-3007	609118-003-003-1/2	SW8330	WATER	09/19/2006	09/22/2006
	609118-003-003-1/2	SW8330A			
	609118-003-010-1/1	SW6020_MM			
	609118-003-010-1/1	SW7470A			
NWO-017-3011	609118-005-005-1/2	SW8330	WATER	09/20/2006	09/22/2006
	609118-005-005-1/2	SW8330A			
	609118-005-011-1/1	SW6020_MM			
	609118-005-011-1/1	SW7470A			
NWO-017-3011 FD	609118-006-007-1/2	SW8330	WATER	09/20/2006	09/22/2006
	609118-006-007-1/2	SW8330A			
	609118-006-012-1/1	SW6020_MM			
	609118-006-012-1/1	SW7470A			
NWO-017-6002	609118-004-025-1/1	SW6020_MM	WATER	09/19/2006	09/22/2006
	609118-004-025-1/1	SW7470A			

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3005	Lab Sample ID:	609118-001-033-1/6
Sample Date/Time:	09/20/2006 11:55	Percent Moisture:	NA
Receipt Date/Time:	09/22/2006 15:21	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/25/2006 00:00	Analytical Method:	SW8330

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Nitroglycerine	BQL	U	20	1	ug/L	10/14/06	07:40
2)	Pentaerythritol Tetranitrate	BQL	U	0.051	1	ug/L	10/14/06	16:37

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
3)	4-Nitroaniline	80 %	37 - 149	1	10/14/06	16:37

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3005	Lab Sample ID:	609118-001-033-1/6
Sample Date/Time:	09/20/2006 11:55	Percent Moisture:	NA
Receipt Date/Time:	09/22/2006 15:21	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	SW8330A

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) 1,3,5-Trinitrobenzene	BQL	U	0.20	1	ug/L	10/14/06	07:40
2) 1,3-Dinitrobenzene	0.038	J	0.20	1	ug/L	10/14/06	07:40
3) 2,4,6-Trinitrotoluene	0.077	J	0.20	1	ug/L	10/14/06	07:40
4) 2,4-Dinitrotoluene	0.027	J	0.20	1	ug/L	10/14/06	07:40
5) 2,6-Dinitrotoluene	BQL	U	0.20	1	ug/L	10/14/06	07:40
6) 2-Amino-4,6-Dinitrotoluene	0.072	J	0.20	1	ug/L	10/14/06	07:40
7) 4-Amino-2,6-Dinitrotoluene	0.079	J	0.20	1	ug/L	10/14/06	07:40
8) HMX	0.14	J	0.40	1	ug/L	10/14/06	07:40
9) Nitrobenzene	BQL	U	0.20	1	ug/L	10/14/06	07:40
10) RDX	BQL	U	0.40	1	ug/L	10/14/06	07:40
11) Tetryl	BQL	U	0.40	1	ug/L	10/14/06	07:40
12) m-Nitrotoluene	BQL	U	0.40	1	ug/L	10/14/06	07:40
13) o-Nitrotoluene	BQL	U	0.40	1	ug/L	10/14/06	07:40
14) p-Nitrotoluene	BQL	U	0.40	1	ug/L	10/14/06	07:40

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
15) 4-Nitroaniline	72 %	37 - 149	1	10/14/06	07:40

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3005	Lab Sample ID:	609118-001-039-1/3
Sample Date/Time:	09/20/2006 11:55	Percent Moisture:	NA
Receipt Date/Time:	09/22/2006 15:21	Preparation Method:	SW3010A
Prepared Date/Time:	09/25/2006 00:00	Analytical Method:	SW6020_MM

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) Aluminum	BQL	U	100	1	ug/L	10/18/06	23:47
2) Antimony	BQL	U	1	1	ug/L	10/18/06	23:47
3) **Barium**	**10.0**	**B**	**5**	**1**	**ug/L**	**10/18/06**	**23:47**
4) Cadmium	BQL	U	0.5	1	ug/L	10/18/06	23:47
5) Chromium	BQL	U	2	1	ug/L	10/18/06	23:47
6) Cobalt	BQL	U	1	1	ug/L	10/18/06	23:47
7) **Copper**	**2.3**		**2**	**1**	**ug/L**	**10/18/06**	**23:47**
8) Iron	36.9	J	50	1	ug/L	10/18/06	23:47
9) Lead	BQL	U	2	1	ug/L	10/18/06	23:47
10) **Magnesium**	**7500**		**100**	**1**	**ug/L**	**10/18/06**	**23:47**
11) **Manganese**	**32.1**		**2**	**1**	**ug/L**	**10/18/06**	**23:47**
12) Molybdenum	0.45	J	5	1	ug/L	10/18/06	23:47
13) Nickel	1.0	B	1	1	ug/L	10/18/06	23:47
14) **Strontium**	**197**		**2**	**1**	**ug/L**	**10/18/06**	**23:47**
15) Titanium	0.90	J	2	1	ug/L	10/18/06	23:47
16) **Zinc**	**13.8**		**10**	**1**	**ug/L**	**10/18/06**	**23:47**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3005	Lab Sample ID:	609118-001-039-1/3
Sample Date/Time:	09/20/2006 11:55	Percent Moisture:	NA
Receipt Date/Time:	09/22/2006 15:21	Preparation Method:	SW7470A_DIG
Prepared Date/Time:	10/05/2006 17:00	Analytical Method:	SW7470A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Mercury	BQL	U	0.2	1	ug/L	10/06/06	15:13

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3006	Lab Sample ID:	609118-002-001-1/2
Sample Date/Time:	09/19/2006 15:30	Percent Moisture:	NA
Receipt Date/Time:	09/22/2006 15:21	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/25/2006 00:00	Analytical Method:	SW8330

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Nitroglycerine	BQL	U	20	1	ug/L	10/14/06	08:40
2)	Pentaerythritol Tetranitrate	BQL	U	0.051	1	ug/L	10/14/06	16:59

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
3)	**4-Nitroaniline**	**177 %**	**37 - 149**	**1**	**10/14/06**	**16:59**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3006	Lab Sample ID:	609118-002-001-1/2
Sample Date/Time:	09/19/2006 15:30	Percent Moisture:	NA
Receipt Date/Time:	09/22/2006 15:21	Preparation Method:	SW3535
Prepared Date/Time:	09/25/2006 00:00	Analytical Method:	SW8330A

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) 1,3,5-Trinitrobenzene	BQL	U	0.20	1	ug/L	10/14/06	08:40
2) 1,3-Dinitrobenzene	BQL	U	0.20	1	ug/L	10/14/06	08:40
3) 2,4,6-Trinitrotoluene	BQL	U	0.20	1	ug/L	10/14/06	08:40
4) 2,4-Dinitrotoluene	BQL	U	0.20	1	ug/L	10/14/06	08:40
5) 2,6-Dinitrotoluene	BQL	U	0.20	1	ug/L	10/14/06	08:40
6) 2-Amino-4,6-Dinitrotoluene	BQL	U	0.20	1	ug/L	10/14/06	08:40
7) 4-Amino-2,6-Dinitrotoluene	BQL	U	0.20	1	ug/L	10/14/06	08:40
8) HMX	BQL	U	0.41	1	ug/L	10/14/06	08:40
9) Nitrobenzene	BQL	U	0.20	1	ug/L	10/14/06	08:40
10) RDX	BQL	U	0.41	1	ug/L	10/14/06	08:40
11) Tetryl	BQL	U	0.41	1	ug/L	10/14/06	08:40
12) m-Nitrotoluene	BQL	U	0.41	1	ug/L	10/14/06	08:40
13) o-Nitrotoluene	BQL	U	0.41	1	ug/L	10/14/06	08:40
14) p-Nitrotoluene	BQL	U	0.41	1	ug/L	10/14/06	08:40

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
15) **4-Nitroaniline**	**152 %**	**37 - 149**	**1**	**10/14/06**	**08:40**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3006	Lab Sample ID:	609118-002-009-1/1
Sample Date/Time:	09/19/2006 15:30	Percent Moisture:	NA
Receipt Date/Time:	09/22/2006 15:21	Preparation Method:	SW3010A
Prepared Date/Time:	09/25/2006 00:00	Analytical Method:	SW6020_MM

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Aluminum	38.0	J	100	1	ug/L	10/19/06	00:18
2)	Antimony	0.21	J	1	1	ug/L	10/19/06	00:18
3)	**Barium**	**22.0**	**B**	**5**	**1**	**ug/L**	**10/19/06**	**00:18**
4)	Cadmium	BQL	U	0.5	1	ug/L	10/19/06	00:18
5)	Chromium	BQL	U	2	1	ug/L	10/19/06	00:18
6)	Cobalt	0.61	J	1	1	ug/L	10/19/06	00:18
7)	Copper	1.4	J	2	1	ug/L	10/19/06	00:18
8)	**Iron**	**893**		**50**	**1**	**ug/L**	**10/19/06**	**00:18**
9)	Lead	0.21	J	2	1	ug/L	10/19/06	00:18
10)	**Magnesium**	**1420**		**100**	**1**	**ug/L**	**10/19/06**	**00:18**
11)	**Manganese**	**28.2**		**2**	**1**	**ug/L**	**10/19/06**	**00:18**
12)	**Molybdenum**	**5.8**		**5**	**1**	**ug/L**	**10/19/06**	**00:18**
13)	**Nickel**	**3.8**	**B**	**1**	**1**	**ug/L**	**10/19/06**	**00:18**
14)	**Strontium**	**60.7**		**2**	**1**	**ug/L**	**10/19/06**	**00:18**
15)	Titanium	0.87	J	2	1	ug/L	10/19/06	00:18
16)	**Zinc**	**11.7**		**10**	**1**	**ug/L**	**10/19/06**	**00:18**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3006	Lab Sample ID:	609118-002-009-1/1
Sample Date/Time:	09/19/2006 15:30	Percent Moisture:	NA
Receipt Date/Time:	09/22/2006 15:21	Preparation Method:	SW7470A_DIG
Prepared Date/Time:	10/05/2006 17:00	Analytical Method:	SW7470A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Mercury	BQL	U	0.2	1	ug/L	10/06/06	15:20

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3007	Lab Sample ID:	609118-003-003-1/2
Sample Date/Time:	09/19/2006 11:35	Percent Moisture:	NA
Receipt Date/Time:	09/22/2006 15:21	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/25/2006 00:00	Analytical Method:	SW8330

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Nitroglycerine	BQL	U	20	1	ug/L	10/14/06	09:39
2)	Pentaerythritol Tetranitrate	BQL	U	0.051	1	ug/L	10/14/06	17:20

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
3)	**4-Nitroaniline**	**196 %**	**37 - 149**	**1**	**10/14/06**	**17:20**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3007	Lab Sample ID:	609118-003-003-1/2
Sample Date/Time:	09/19/2006 11:35	Percent Moisture:	NA
Receipt Date/Time:	09/22/2006 15:21	Preparation Method:	SW3535
Prepared Date/Time:	09/25/2006 00:00	Analytical Method:	SW8330A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	1,3,5-Trinitrobenzene	BQL	U	0.20	1	ug/L	10/14/06	09:39
2)	1,3-Dinitrobenzene	BQL	U	0.20	1	ug/L	10/14/06	09:39
3)	2,4,6-Trinitrotoluene	BQL	U	0.20	1	ug/L	10/14/06	09:39
4)	2,4-Dinitrotoluene	BQL	U	0.20	1	ug/L	10/14/06	09:39
5)	2,6-Dinitrotoluene	BQL	U	0.20	1	ug/L	10/14/06	09:39
6)	2-Amino-4,6-Dinitrotoluene	BQL	U	0.20	1	ug/L	10/14/06	09:39
7)	4-Amino-2,6-Dinitrotoluene	BQL	U	0.20	1	ug/L	10/14/06	09:39
8)	HMX	BQL	U	0.40	1	ug/L	10/14/06	09:39
9)	Nitrobenzene	BQL	U	0.20	1	ug/L	10/14/06	09:39
10)	RDX	BQL	U	0.40	1	ug/L	10/14/06	09:39
11)	Tetryl	BQL	U	0.40	1	ug/L	10/14/06	09:39
12)	m-Nitrotoluene	BQL	U	0.40	1	ug/L	10/14/06	09:39
13)	o-Nitrotoluene	BQL	U	0.40	1	ug/L	10/14/06	09:39
14)	p-Nitrotoluene	BQL	U	0.40	1	ug/L	10/14/06	09:39

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
15)	**4-Nitroaniline**	**166 %**	**37 - 149**	**1**	**10/14/06**	**09:39**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3007	Lab Sample ID:	609118-003-010-1/1
Sample Date/Time:	09/19/2006 11:35	Percent Moisture:	NA
Receipt Date/Time:	09/22/2006 15:21	Preparation Method:	SW3010A
Prepared Date/Time:	09/25/2006 00:00	Analytical Method:	SW6020_MM

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Aluminum	22.3	J	100	1	ug/L	10/19/06	00:24
2)	Antimony	BQL	U	1	1	ug/L	10/19/06	00:24
3)	**Barium**	**35.9**	**B**	**5**	**1**	**ug/L**	**10/19/06**	**00:24**
4)	Cadmium	BQL	U	0.5	1	ug/L	10/19/06	00:24
5)	Chromium	BQL	U	2	1	ug/L	10/19/06	00:24
6)	**Cobalt**	**1.2**		**1**	**1**	**ug/L**	**10/19/06**	**00:24**
7)	**Copper**	**2.7**		**2**	**1**	**ug/L**	**10/19/06**	**00:24**
8)	Iron	32.3	J	50	1	ug/L	10/19/06	00:24
9)	Lead	0.38	J	2	1	ug/L	10/19/06	00:24
10)	**Magnesium**	**4180**		**100**	**1**	**ug/L**	**10/19/06**	**00:24**
11)	**Manganese**	**310**		**2**	**1**	**ug/L**	**10/19/06**	**00:24**
12)	Molybdenum	0.18	J	5	1	ug/L	10/19/06	00:24
13)	**Nickel**	**3.7**	**B**	**1**	**1**	**ug/L**	**10/19/06**	**00:24**
14)	**Strontium**	**83.5**		**2**	**1**	**ug/L**	**10/19/06**	**00:24**
15)	Titanium	0.97	J	2	1	ug/L	10/19/06	00:24
16)	**Zinc**	**10.4**		**10**	**1**	**ug/L**	**10/19/06**	**00:24**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3007	Lab Sample ID:	609118-003-010-1/1
Sample Date/Time:	09/19/2006 11:35	Percent Moisture:	NA
Receipt Date/Time:	09/22/2006 15:21	Preparation Method:	SW7470A_DIG
Prepared Date/Time:	10/05/2006 17:00	Analytical Method:	SW7470A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Mercury	BQL	U	0.2	1	ug/L	10/06/06	15:24

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-6002	Lab Sample ID:	609118-004-025-1/1
Sample Date/Time:	09/19/2006 18:25	Percent Moisture:	NA
Receipt Date/Time:	09/22/2006 15:21	Preparation Method:	SW3010A
Prepared Date/Time:	09/25/2006 00:00	Analytical Method:	SW6020_MM

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Aluminum	22.9	J	100	1	ug/L	10/19/06	00:43
2)	Antimony	BQL	U	1	1	ug/L	10/19/06	00:43
3)	Barium	0.95	JB	5	1	ug/L	10/19/06	00:43
4)	Cadmium	BQL	U	0.5	1	ug/L	10/19/06	00:43
5)	Chromium	BQL	U	2	1	ug/L	10/19/06	00:43
6)	Cobalt	0.021	J	1	1	ug/L	10/19/06	00:43
7)	Copper	1.4	J	2	1	ug/L	10/19/06	00:43
8)	Iron	27.6	J	50	1	ug/L	10/19/06	00:43
9)	Lead	0.28	J	2	1	ug/L	10/19/06	00:43
10)	Magnesium	24.5	J	100	1	ug/L	10/19/06	00:43
11)	Manganese	1.5	J	2	1	ug/L	10/19/06	00:43
12)	Molybdenum	1.8	J	5	1	ug/L	10/19/06	00:43
13)	**Nickel**	**1.1**	**B**	**1**	**1**	**ug/L**	**10/19/06**	**00:43**
14)	Strontium	1.8	J	2	1	ug/L	10/19/06	00:43
15)	Titanium	0.76	J	2	1	ug/L	10/19/06	00:43
16)	**Zinc**	**10.3**		**10**	**1**	**ug/L**	**10/19/06**	**00:43**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-6002	Lab Sample ID:	609118-004-025-1/1
Sample Date/Time:	09/19/2006 18:25	Percent Moisture:	NA
Receipt Date/Time:	09/22/2006 15:21	Preparation Method:	SW7470A_DIG
Prepared Date/Time:	10/05/2006 17:00	Analytical Method:	SW7470A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Mercury	BQL	U	0.2	1	ug/L	10/06/06	15:27

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3011	Lab Sample ID:	609118-005-005-1/2
Sample Date/Time:	09/20/2006 16:00	Percent Moisture:	NA
Receipt Date/Time:	09/22/2006 15:21	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/25/2006 00:00	Analytical Method:	SW8330

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Nitroglycerine	BQL	U	21	1	ug/L	10/14/06	13:37
2)	Pentaerythritol Tetranitrate	BQL	U	0.053	1	ug/L	10/14/06	17:41

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
3)	4-Nitroaniline	146 %	37 - 149	1	10/14/06	17:41

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3011	Lab Sample ID:	609118-005-005-1/2
Sample Date/Time:	09/20/2006 16:00	Percent Moisture:	NA
Receipt Date/Time:	09/22/2006 15:21	Preparation Method:	SW3535
Prepared Date/Time:	09/25/2006 00:00	Analytical Method:	SW8330A

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) 1,3,5-Trinitrobenzene	BQL	U	0.21	1	ug/L	10/14/06	13:37
2) 1,3-Dinitrobenzene	BQL	U	0.21	1	ug/L	10/14/06	13:37
3) 2,4,6-Trinitrotoluene	BQL	U	0.21	1	ug/L	10/14/06	13:37
4) 2,4-Dinitrotoluene	BQL	U	0.21	1	ug/L	10/14/06	13:37
5) 2,6-Dinitrotoluene	BQL	U	0.21	1	ug/L	10/14/06	13:37
6) 2-Amino-4,6-Dinitrotoluene	BQL	U	0.21	1	ug/L	10/14/06	13:37
7) 4-Amino-2,6-Dinitrotoluene	BQL	U	0.21	1	ug/L	10/14/06	13:37
8) HMX	BQL	U	0.42	1	ug/L	10/14/06	13:37
9) Nitrobenzene	BQL	U	0.21	1	ug/L	10/14/06	13:37
10) RDX	BQL	U	0.42	1	ug/L	10/14/06	13:37
11) Tetryl	BQL	U	0.42	1	ug/L	10/14/06	13:37
12) m-Nitrotoluene	BQL	U	0.42	1	ug/L	10/14/06	13:37
13) o-Nitrotoluene	BQL	U	0.42	1	ug/L	10/14/06	13:37
14) p-Nitrotoluene	BQL	U	0.42	1	ug/L	10/14/06	13:37

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
15) 4-Nitroaniline	131 %	37 - 149	1	10/14/06	13:37

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3011	Lab Sample ID:	609118-005-011-1/1
Sample Date/Time:	09/20/2006 16:00	Percent Moisture:	NA
Receipt Date/Time:	09/22/2006 15:21	Preparation Method:	SW3010A
Prepared Date/Time:	09/25/2006 00:00	Analytical Method:	SW6020_MM

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Aluminum	11.8	J	100	1	ug/L	10/19/06	00:49
2)	Antimony	BQL	U	1	1	ug/L	10/19/06	00:49
3)	**Barium**	**20.2**	**B**	**5**	**1**	**ug/L**	**10/19/06**	**00:49**
4)	Cadmium	BQL	U	0.5	1	ug/L	10/19/06	00:49
5)	Chromium	BQL	U	2	1	ug/L	10/19/06	00:49
6)	Cobalt	BQL	U	1	1	ug/L	10/19/06	00:49
7)	Copper	1.4	J	2	1	ug/L	10/19/06	00:49
8)	Iron	16.3	J	50	1	ug/L	10/19/06	00:49
9)	Lead	0.24	J	2	1	ug/L	10/19/06	00:49
10)	**Magnesium**	**1410**		**100**	**1**	**ug/L**	**10/19/06**	**00:49**
11)	**Manganese**	**11.3**		**2**	**1**	**ug/L**	**10/19/06**	**00:49**
12)	Molybdenum	1.3	J	5	1	ug/L	10/19/06	00:49
13)	Nickel	0.29	JB	1	1	ug/L	10/19/06	00:49
14)	**Strontium**	**101**		**2**	**1**	**ug/L**	**10/19/06**	**00:49**
15)	Titanium	0.85	J	2	1	ug/L	10/19/06	00:49
16)	**Zinc**	**18.2**		**10**	**1**	**ug/L**	**10/19/06**	**00:49**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3011	Lab Sample ID:	609118-005-011-1/1
Sample Date/Time:	09/20/2006 16:00	Percent Moisture:	NA
Receipt Date/Time:	09/22/2006 15:21	Preparation Method:	SW7470A_DIG
Prepared Date/Time:	10/05/2006 17:00	Analytical Method:	SW7470A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Mercury	BQL	U	0.2	1	ug/L	10/06/06	15:29

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3011 FD	Lab Sample ID:	609118-006-007-1/2
Sample Date/Time:	09/20/2006 16:00	Percent Moisture:	NA
Receipt Date/Time:	09/22/2006 15:21	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/25/2006 00:00	Analytical Method:	SW8330

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Nitroglycerine	BQL	U	20	1	ug/L	10/14/06	14:37
2)	Pentaerythritol Tetranitrate	BQL	U	0.051	1	ug/L	10/14/06	18:02

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
3)	4-Nitroaniline	108 %	37 - 149	1	10/14/06	18:02

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3011 FD	Lab Sample ID:	609118-006-007-1/2
Sample Date/Time:	09/20/2006 16:00	Percent Moisture:	NA
Receipt Date/Time:	09/22/2006 15:21	Preparation Method:	SW3535
Prepared Date/Time:	09/25/2006 00:00	Analytical Method:	SW8330A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	1,3,5-Trinitrobenzene	BQL	U	0.20	1	ug/L	10/14/06	14:37
2)	1,3-Dinitrobenzene	BQL	U	0.20	1	ug/L	10/14/06	14:37
3)	2,4,6-Trinitrotoluene	BQL	U	0.20	1	ug/L	10/14/06	14:37
4)	2,4-Dinitrotoluene	BQL	U	0.20	1	ug/L	10/14/06	14:37
5)	2,6-Dinitrotoluene	BQL	U	0.20	1	ug/L	10/14/06	14:37
6)	2-Amino-4,6-Dinitrotoluene	BQL	U	0.20	1	ug/L	10/14/06	14:37
7)	4-Amino-2,6-Dinitrotoluene	BQL	U	0.20	1	ug/L	10/14/06	14:37
8)	HMX	BQL	U	0.40	1	ug/L	10/14/06	14:37
9)	Nitrobenzene	BQL	U	0.20	1	ug/L	10/14/06	14:37
10)	RDX	BQL	U	0.40	1	ug/L	10/14/06	14:37
11)	Tetryl	BQL	U	0.40	1	ug/L	10/14/06	14:37
12)	m-Nitrotoluene	BQL	U	0.40	1	ug/L	10/14/06	14:37
13)	o-Nitrotoluene	BQL	U	0.40	1	ug/L	10/14/06	14:37
14)	p-Nitrotoluene	BQL	U	0.40	1	ug/L	10/14/06	14:37

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
15)	4-Nitroaniline	91 %	37 - 149	1	10/14/06	14:37

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3011 FD	Lab Sample ID:	609118-006-012-1/1
Sample Date/Time:	09/20/2006 16:00	Percent Moisture:	NA
Receipt Date/Time:	09/22/2006 15:21	Preparation Method:	SW3010A
Prepared Date/Time:	09/25/2006 00:00	Analytical Method:	SW6020_MM

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) Aluminum	7.4	J	100	1	ug/L	10/19/06	00:55
2) Antimony	BQL	U	1	1	ug/L	10/19/06	00:55
3) **Barium**	**19.6**	**B**	**5**	**1**	**ug/L**	**10/19/06**	**00:55**
4) Cadmium	BQL	U	0.5	1	ug/L	10/19/06	00:55
5) Chromium	BQL	U	2	1	ug/L	10/19/06	00:55
6) Cobalt	BQL	U	1	1	ug/L	10/19/06	00:55
7) Copper	1.6	J	2	1	ug/L	10/19/06	00:55
8) Iron	30.1	J	50	1	ug/L	10/19/06	00:55
9) Lead	0.25	J	2	1	ug/L	10/19/06	00:55
10) **Magnesium**	**1400**		**100**	**1**	**ug/L**	**10/19/06**	**00:55**
11) **Manganese**	**11.5**		**2**	**1**	**ug/L**	**10/19/06**	**00:55**
12) Molybdenum	1.4	J	5	1	ug/L	10/19/06	00:55
13) **Nickel**	**1.1**	**B**	**1**	**1**	**ug/L**	**10/19/06**	**00:55**
14) **Strontium**	**98.3**		**2**	**1**	**ug/L**	**10/19/06**	**00:55**
15) Titanium	0.79	J	2	1	ug/L	10/19/06	00:55
16) Zinc	9.2	J	10	1	ug/L	10/19/06	00:55

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3011 FD	Lab Sample ID:	609118-006-012-1/1
Sample Date/Time:	09/20/2006 16:00	Percent Moisture:	NA
Receipt Date/Time:	09/22/2006 15:21	Preparation Method:	SW7470A_DIG
Prepared Date/Time:	10/05/2006 17:00	Analytical Method:	SW7470A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Mercury	BQL	U	0.2	1	ug/L	10/06/06	15:33

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	NWO-017-3001	Lab Sample ID:	609118-007-026-1/1
Sample Date/Time:	09/20/2006 18:00	Percent Moisture:	NA
Receipt Date/Time:	09/22/2006 15:21	Preparation Method:	SW3010A
Prepared Date/Time:	09/25/2006 00:00	Analytical Method:	SW6020

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Lead	0.39	J	2	1	ug/L	10/19/06	01:01

Qualifier Definitions

Shaw E&I, Inc

Work Order: 609118

All Departments

U Indicates that the compound was analyzed for but not detected

BQL Below Quantitation Limit

Organics

B Indicates that the analyte was found in the associated blank as well as in the sample

D Indicates that the analyte was reported from a diluted analysis

E Indicates that the concentration detected exceeded the calibration range of the instrument

J Value is less than the reporting limit but greater than the MDL

P Indicates that there is greater than 25% difference for detected pesticide/Arochlor results between the two GC columns

Metals

J Indicates that the reported value was less than the reporting limit but greater than or equal to the IDL/MDL

E Indicates that the reported value is estimated because of the possible presence of interference (i.e. the serial dilution not within control limits)

H Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit

D Indicates that the analyte was reported from a diluted analysis

N Spiked sample recovery not within control limits

* Duplicate analysis not within control limits

Chain of Custody

Shaw E&I, Inc

SDG: 609118

GPL Laboratories, LLLP
7210A Corporate Ct., Frederick, MD 21703
Tel: 301-694-5310 Fax: 301-620-0731

CHAIN OF CUSTODY

Shaw MMRP FUDS Site - 017 Camp Adair

Sample Information

Field Sample ID	Date Sampled	Time Sampled	Matrix	Sampler's Initials	Aluminum, antimony, barium, cadmium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, strontium, thallium, and zinc by SW-846 6020A	Mercury by SW-846 7470A	Explosives by SW846 8330A	Nitroglycerin by SW846 8330A (Modified)	PETN by SW846 8330A (Modified)	Perchlorate by SW-846 8321A (Modified)	Filtered (Metals & Perchlorate only)
NWC-017-3005	9-22-06	1125	GW	[illegible]	X	X	X	X	X	X	X
NWC-017-3005-ME	9-22-06	1125	GW	[illegible]	X	X	X	X	X	X	X
NWC-017-3005-MSD	9-22-06	1125	GW	[illegible]	X	X	X	X	X	X	X
TOTAL BOTTLES					9	9	9	9	9	9	9

Preservative and Container: 500ml Poly w/ HNO_3, 4°C; 2 x 1 L Amber Glass, 4°C; 3 x 40 ml VOA Vial, 4°C

Total number of samples: 9

Sample Matrix: GW=Groundwater, SW=Surface Water, WQ=Water Quality

Relinquished By: [illegible] Date: 9-22-06 Time: 0830

Received By: [illegible] Date: 9-22-06 Time: 1030

Relinquished By: Date: Time:

Received By: Date: Time:

GPL WORK ORDER #: 609118

PURCHASE ORDER #:

TAT Requirement: 21 Days

Total number of samples

RECEIPT CONDITION

2

GPL Laboratories

GPL LABORATORIES
7210A Corporate Ct
Frederick MD 21703
301-694-5310

CHAIN OF CUSTODY

CoC Number: NWG017-018

PAGE: 1 OF 1

GPL Project Manager: Tim Mikesell
Project Name: FUDS MMRP MKD
Project Number: 1 [illegible]
Client Name: Shaw Environmental, Inc. / Tim Roth
Address: 1 Director Drive
City, State: Knoxville, TN
Phone: [illegible]
Cell:
Zip Code: 37923
Billing Instructions:
Shipment Method: Fedex
Waybill Number: 8577-5505-153 6

Comments: Field Analysis Required. X-analyze Camp Adair MRS No. 6 Rough Sample No. 2

Shaw MMRP FUDS Site - U17 Camp Addair

Preservatives and Containers: 500mL Poly w/ HNO_3 pH < 2; 2 x 1L Amber Glass 4°C; 3 x 40mL VOA vial 4°C

Sample Information / Methods for Analysis

No.	FIELD Sample ID	Date Sampled	Time Sampled	Matrix	Sampler's Initials	Aluminum, antimony, barium, cadmium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, potassium, thallium, and zinc by SW-846 6020A	Mercury by SW-846 7470A	Explosives by SW-846 8330A	Nitroglycerin by SW-846 8330A (Modified)	PETN by SW-846 8330A (Modified)	Perchlorate by SW-846 8321A (Modified)	Filtered (Metals & Perchlorate only)	Total Number of Containers
A040	1 NWG-017-3036	9-19-06	1330	GW	RAA	X	X	X	X	X	X	Y	6
A041	2 NWG-017-3037	9-19-06	1135	GW	RAA	X	X	X	X	X	X	Y	6
A078	NWG-017-6002	9-19-06	1825	GW	RAA	X	X				X	Y	4

Sample Matrix: WG= Groundwater; SO= Soil; WS= Surface Water; WQ= Water Quality

TAT Requirements: 21 Days

Total number of samples

Relinquished By: [signature]	Date: 9-21-06	Time: 0830	
Received By:	Date:	Time:	
Relinquished By:	Date:	Time:	
Received By: Chris	Date: 9/22/06	Time: 10AM	
Relinquished By:	Date:	Time:	

For Lab Use

GPL WORK ORDER #: 609118

PURCHASE ORDER #: _____

COOLER RECEIPT CONDITION: 2-0

3

GPL Laboratories

CHAIN OF CUSTODY

CoC Number: NWO017-022

PAGE 1 OF 1

GPL Project Manager: Tim Mikesell	Client Name: Shaw Environmental, Inc. (Tim Vogt)	Phone: 865.988.2072	Deliverable Type:		
Project Name: FUDS MMRP WWO	Address: 319 Rocky Lane	Cell:	Shipper Method: FedEx		
Project Number: 700000	City, State: Knoxville, TN	Zip Code: 37934	Airbill Number: 8579 3505 1567		

Comments: H=HNO3 Nitric Acid; S=Sulfuric; Camp Adair WWO No. 17; Moving Target Range No. 10

Shaw MMRP FUDS Site - 017 Camp Addair

Preservatives and Containers: 60mL Poly w/ HNO3 (pH<2); 2 x 1 L Amber Glass/4°C; 3 x 40 ml VOA Vial/4°C

Methods for Analysis: Aluminum, antimony, barium, cadmium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, potassium, sodium, and zinc by SW-846 6020A; Mercury by SW-846 7470A; Explosives by SW846 8330A; Nitroglycerin by SW846 8330A (Modified); PETN by SW846 8330A (Modified); Perchlorate by SW-846 6321A (Modified)

Sample Number																				
No.	FIELD Sample ID	Date Sampled	Time Sampled	Matrix	Sampler's Initials	Aluminum, antimony, barium, cadmium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, potassium, sodium, and zinc by SW-846 6020A	Mercury by SW-846 7470A	Explosives by SW846 8330A	Nitroglycerin by SW846 8330A (Modified)	PETN by SW846 8330A (Modified)	Perchlorate by SW-846 6321A (Modified)							Filtered (Metals & Perchlorate only)	TOTAL NO. OF BTLS
A=5-8	NWO-017-3011	9-20-06	1600	GW	[illegible]	X	X	X	X	X	X							N	5
A=5-8	x NWO-017-3011 FB	9-20-06	1600	GW	[illegible]	X	X	X	X	X	X							Y	6

Sample Matrix: WG= Groundwater; EC= Soil; WS= Surface Water; WQ= Water Quality

TAT Requirement: 21 Days

Total number of samples

Relinquished By:	Date:	Time:
[illegible]	9-21-06	0830
Received By:	Date:	Time:
Relinquished By:	Date:	Time:
Received By: [illegible]	9/21/06	1[illegible]
Relinquished By:	Date:	Time:

For Lab Use

GPL WORK ORDER #: 609118

PURCHASE ORDER #:

COOLER RECEIPT CONDITION

2.0

3

GPL Laboratories

GPL LABORATORIES
7210A Corporate Ct.
Frederick, MD 21703
301-694-5310

CHAIN OF CUSTODY

CoC Number: NWO017-014

PAGE: 1 OF 1

AUJF

GPL Project Manager: Tim Wilcox	Client Name: Shaw Environmental, Inc.	Phone: 865.934.6572	Disposal Information:		
Project Name: FUDS MMRP NWO	Address: 312 Stowers Drive	Cell:	Shipment Method: FedEx		
Project Number: 110-08	City, State: Knoxville, TN	Zip Code: 37920	Waybill Number: 8577-5595-1567		

Comments: Hold Analysis Tracker. X=Analyze: Camp Addair MRS No. 1: Range Complex and

Preservatives and Containers

Shaw MMRP FUDS Site - 017 Camp Addair

Sample Information / Methods for Analysis

No.	FIELD Sample ID	Date Sampled	Time Sampled	Matrix	Sampler's Initials	Buried by SW-846 8020A	Perchlorate by SW-846 8321A (Modified)	Filtered	Total # of Bottles
A010	NWO-017-3001	9-20-06	1800	GW	NAA	X	X	Y	4

Sample Matrix: WG= Groundwater; SO= Soil; WS= Surface Water; WQ= Water Quality

TAT Requirement: 21 Days

Total number of samples

Relinquished By: Nancy Albertson	Date: 9-21-06	Time: 0830	
Received By:	Date:	Time:	
Relinquished By:	Date:	Time:	
Received By: 9/22/06	Date:	Time: 10 AM	
Relinquished By:	Date:	Time:	

For Lab Use

GPL WORK ORDER #: 609118

PURCHASE ORDER #:

COOLER RECEIPT CONDITION

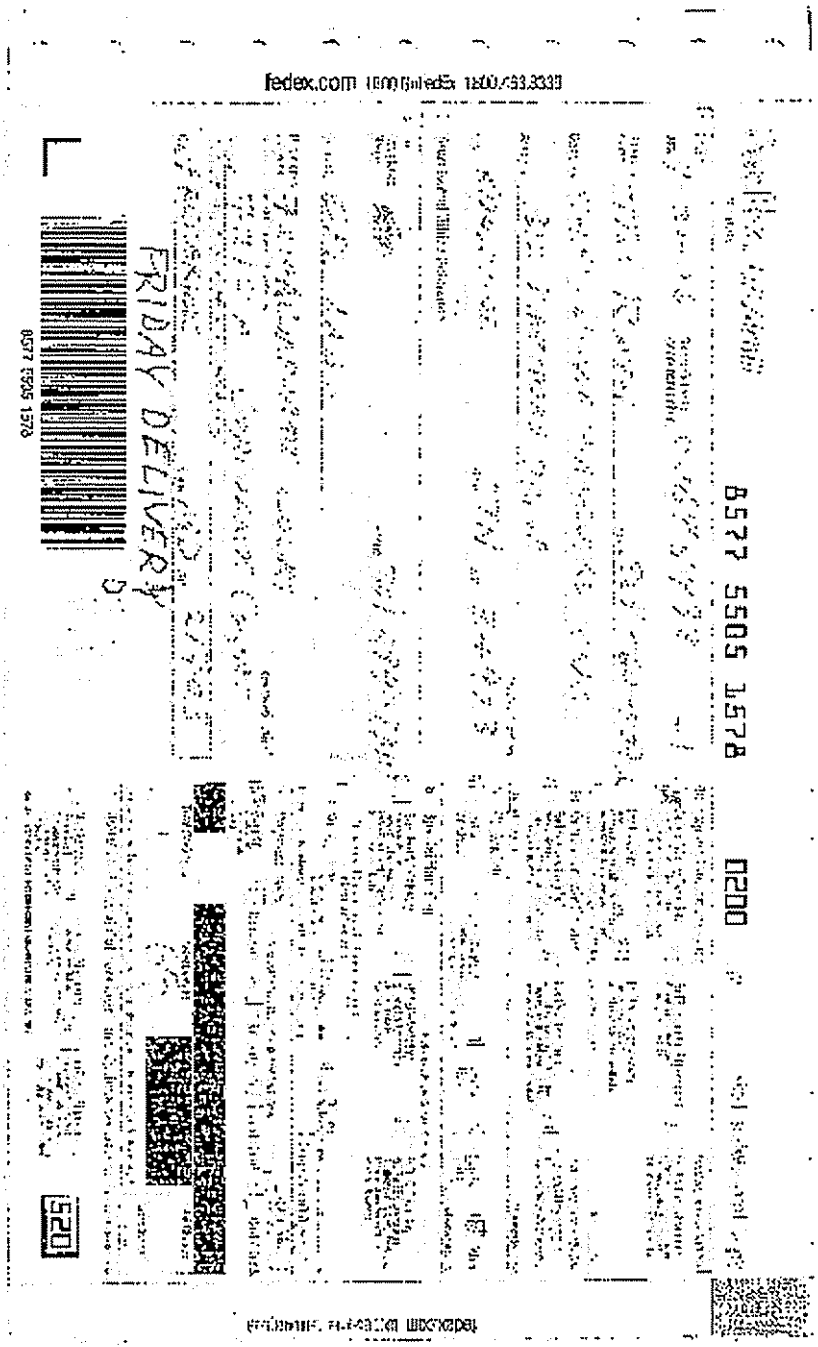
2.3

200-1e
F10OR002908_01.09_0508_a

Chain of Custody

Shaw E&I, Inc

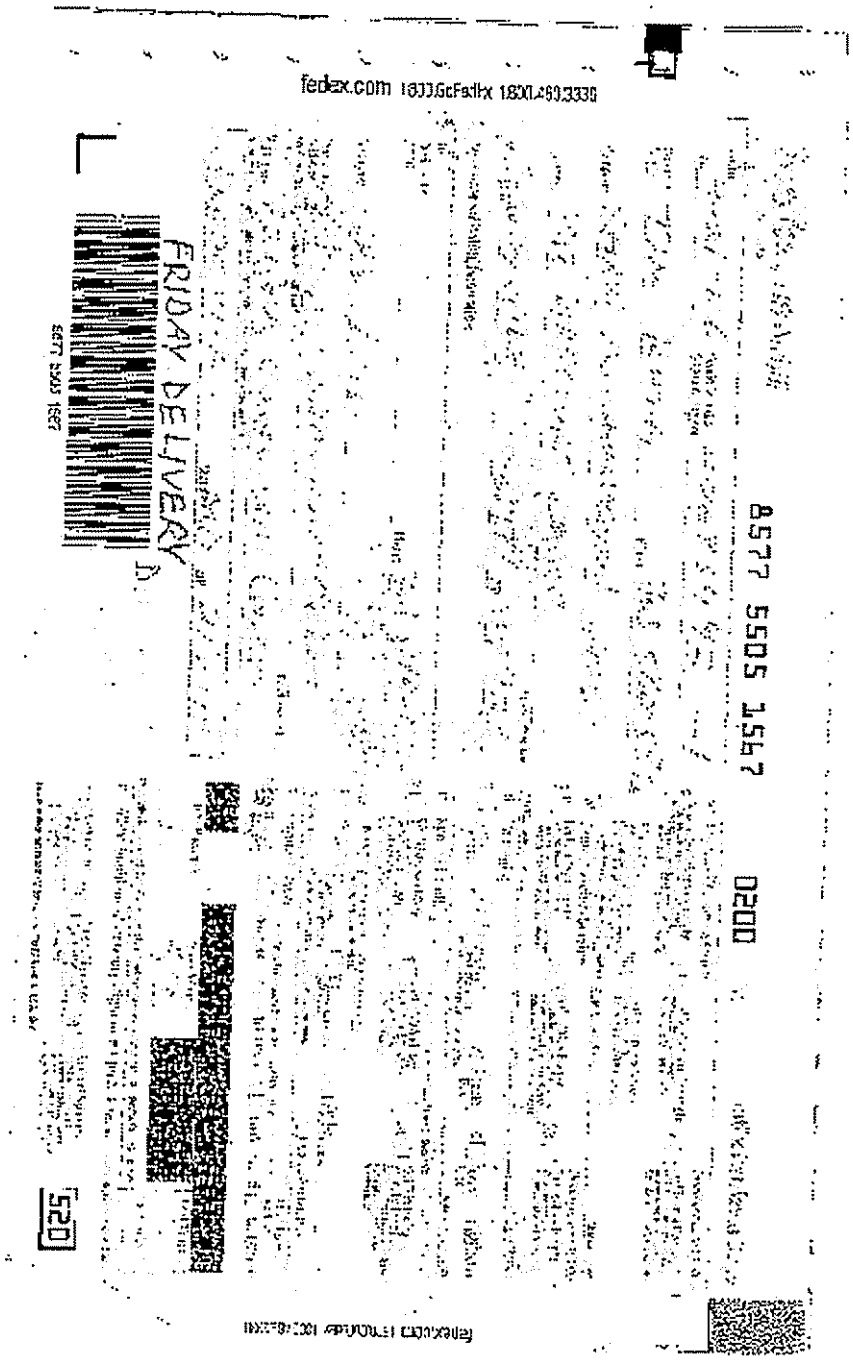
SDG: 609118



Chain of Custody

Shaw E&I, Inc

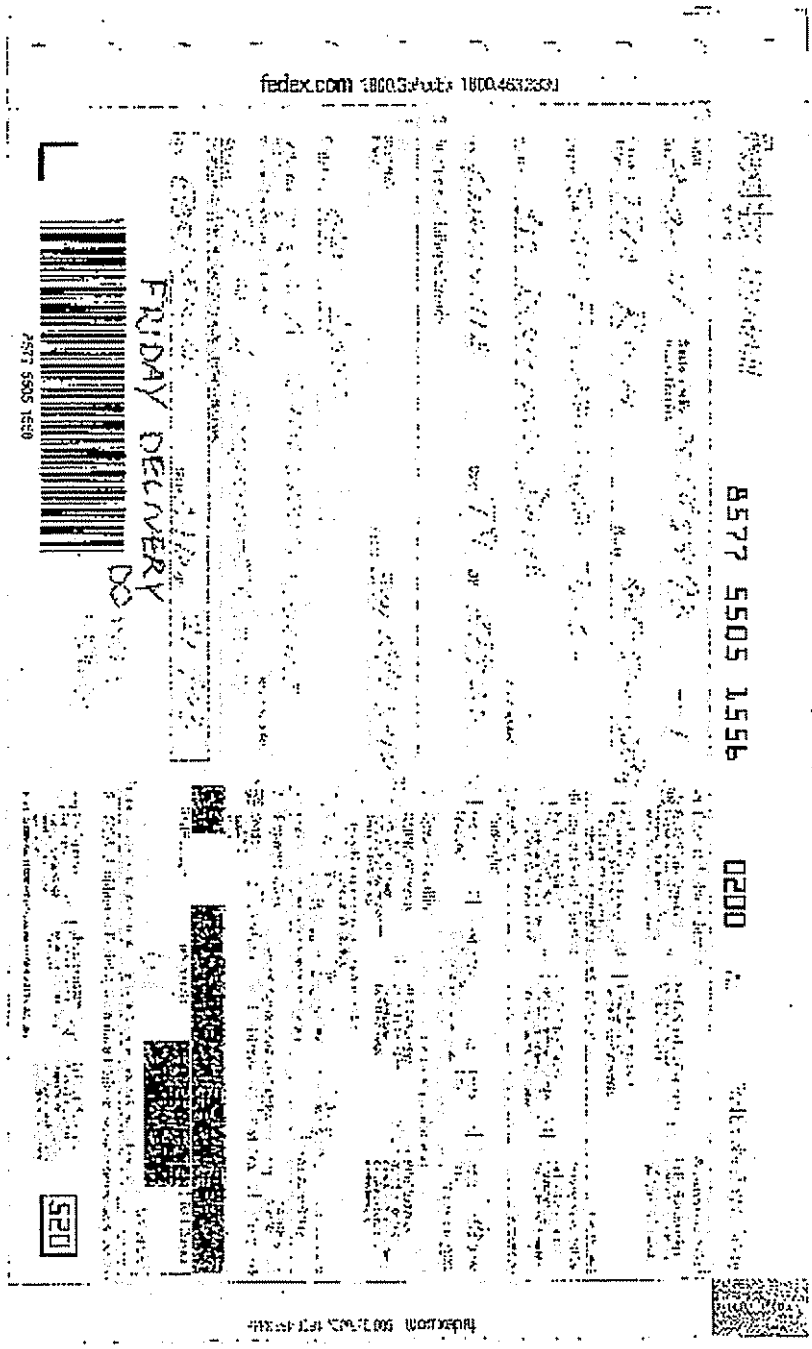
SDG: 609118



Chain of Custody

Shaw E&I, Inc

SDG: 609118



GPL Laboratories, LLLP

Chain of Custody

Shaw E&I, Inc

SDG: 609118

GPL Laboratories, LLLP

Figure 1
SAMPLE RECEIPT CHECKLIST

W.O. No. 609118
Client Name: SHAW
Date Received: 9/22/06
Time Received: 10 AM
Received By: CHRIS

Carrier Name: FED X
Prepared (Logged In) By: MD 9/22/06 Initials Date
Project:
Site:
VOA Holding Blank I.D. No:

	YES	NO
Airbill/Manifest Present? No.	✓	
Shipping Container in Good Condition?	✓	
Custody Seals Present on Shipping Container? Condition: Broken / Intact-not dated or signed / Intact-dated and signed	✓	
Usage of Tamper Evident Tape	✓	
Chain of Custody Present?	✓	
Chain-of-Custody Agrees with Sample Labels?	✓	
Chain-of-Custody Signed?	✓	
Packing Present in Shipping Container? Type of Packing: Bubble Wrap	✓	
Custody seals on Sample Bottles? Condition: Good / Broken	✓	
Total Number of Sample Bottles 50		
Total Number of Samples 7		
Samples Intact?	✓	
Sufficient Sample Volume for Indicated Test?	✓	

	YES	NO
Trip Blanks: No. of Sets		✓
Field Blanks: No. of Sets		✓
Equip. Blank: No. of Sets		✓
Field Duplicate: No. of Sets		✓
MS/MSD: No of Sets		✓
VOA Vials Have Zero Headspace? Exc. smaller or greater than a Green Pea (see comments)		
Preservatives Added to Sample?	✓	
pH Check Required? Performed By?		✓
Ice Present in Shipping Container?	✓	

Container #	Temp	Container #	Temp.
1	2-0	2	2-0
3	2-0		

Project Manager Contacted? Yes
Name:
Date Contacted: 9/22/06

Any NO response must be detailed in the comments section below. N/Items are not applicable to particular samples or contracts. They should be marked N/A

COMMENTS:

Checklist Completed By: MD
Date: 9/22/06

SOP No: F.2V15

LOW IMPACT EXPLOSIVES AND PROPELLANTS

GPL Laboratories

A. QC Summary

1. Surrogate Percent Recovery Summary
2. Matrix Spike/Matrix Spike Duplicate Summary
3. Laboratory Control Standard Summary (where applicable)
4. Method Blank Summary

GPL Laboratories

Surrogate Recovery Summary

Matrix : WATER **Analytical Method : SW8330A** **SDG No : 609118**

Surrogate	NO2ANIL4
Lower QC Limits	**37**
Upper QC Limits	**149**
Sample ID	
BKS93963	79
BLK93963	89
NWO-017-3005	72
NWO-017-3005MS	51
NWO-017-3005MSD	47
NWO-017-3006	152 *
NWO-017-3007	166 *
NWO-017-3011	131
NWO-017-3011 FD	91

* Value outside of QC Limts

NO2ANIL4 = 4-Nitroaniline

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
NWO-017-3005MSD

Lab Name : GPL Laboratories SDG NO : 609118 Method : SW8330A

Lab Code : GPL Lab Sample ID : 609118-001-033-1/6MSD Matrix : WATER Analysis Date : 10/14/2006

Compound	Spike Added (ug/L)		CONCENTRATION (ug/L)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
1,3,5-Trinitrobenzene	5.1	5.1	0.0	1.1	0.67	22 *	13 *	51 *	25	65-140
1,3-Dinitrobenzene	5.1	5.1	0.038	2.2	1.6	42 *	31 *	30 *	25	45-160
2,4,6-Trinitrotoluene	5.1	5.1	0.077	3.7	2.3	71	44 *	47 *	25	50-145
2,4-Dinitrotoluene	5.1	5.1	0.027	4.5	2.8	88	54 *	48 *	25	60-135
2,6-Dinitrotoluene	5.1	5.1	0.0	5.6	3.6	110	71	43 *	25	60-135
2-Amino-4,6-Dinitrotoluene	5.1	5.1	0.072	4.8	3.0	93	59	45 *	25	50-155
4-Amino-2,6-Dinitrotoluene	5.1	5.1	0.079	4.7	3.0	91	57	46 *	25	55-155
HMX	5.1	5.1	0.14	2.6	2.0	48 *	36 *	29 *	25	80-115
Nitrobenzene	5.1	5.1	0.0	2.0	1.5	39 *	29 *	29 *	25	50-140
RDX	5.1	5.1	0.0	2.5	2.2	49 *	43 *	13	25	50-160
Tetryl	5.1	5.1	0.0	1.6	0.89	31	17 *	58 *	25	20-175
m-Nitrotoluene	5.1	5.1	0.0	5.3	3.5	104	69	40 *	25	50-130
o-Nitrotoluene	5.1	5.1	0.0	5.2	3.4	102	67	41 *	25	45-135
p-Nitrotoluene	5.1	5.1	0.0	5.1	3.3	100	65	42 *	25	50-130

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 13 Out of 14 Outside Limit
Spike Recovery : 13 Out of 28 outside limit

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
NWO-017-3005MSD

Lab Name : GPL Laboratories SDG NO : 609118 Method : SW8330

Lab Code : GPL Lab Sample ID : 609118-001-033-1/6MSD Matrix : WATER Analysis Date : 10/14/2006

Compound	Spike Added (ug/L) MS	Spike Added (ug/L) MSD	CONCENTRATION (ug/L) Sample	CONCENTRATION (ug/L) MS	CONCENTRATION (ug/L) MSD	%RECOVERY MS	%RECOVERY MSD	% RPD	RPD Limit	QC Limits
Nitroglycerine	100	100	0.0	92	91	92	91	1	25	50-150
~~Pentaerythritol Tetranitrate~~	~~.2~~	~~.2~~	~~0.0~~	~~0.32~~	~~0.27~~	~~160 *~~	~~135 *~~	~~17~~	~~25~~	~~48-128~~

C 10-24-06

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 0 Out of 2 outside limit
Spike Recovery : 2 Out of 4 outside limit

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS93963

Lab Name : GPL Laboratories
Lab Code : GPL
Matrix : WATER
Method : SW8330A

Contract. : Camp Addair - Shaw FUDS MMRP Site - 017
SDG NO : 609118
Lab Sample ID : BKS93963
Analysis Date : 10/14/2006

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMTS
1,3,5-Trinitrobenzene	5	0	3.5	70	65-140
1,3-Dinitrobenzene	5	0	3.8	76	45-160
2,4,6-Trinitrotoluene	5	0	3.7	74	50-145
2,4-Dinitrotoluene	5	0	3.6	72	60-135
2,6-Dinitrotoluene	5	0	4.1	82	60-135
2-Amino-4,6-Dinitrotoluene	5	0	3.8	76	50-155
4-Amino-2,6-Dinitrotoluene	5	0	3.8	76	55-155
HMX	5	0	3.9	78 *	80-115
Nitrobenzene	5	0	3.6	72	50-140
RDX	5	0	3.7	74	50-160
Tetryl	5	0	3.0	60	20-175
m-Nitrotoluene	5	0	3.6	72	50-130
o-Nitrotoluene	5	0	3.9	78	45-135
p-Nitrotoluene	5	0	3.5	70	50-130

* Value Outside of QC limits

Spike recovery : 1 out of 14 outside limits

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS93968

Lab Name : GPL Laboratories
Lab Code : GPL
Matrix : WATER
Method : SW8330

Contract. : Camp Addair - Shaw FUDS MMRP Site - 017
SDG NO : 609118
Lab Sample ID : BKS93968
Analysis Date : 10/14/2006

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMTS
Nitroglycerine	100	0	68	68	50-150

* Values Outside of QC Limits

Spike recovery : 0 out of 1 outside limits

GPL Laboratories

GPL
FORM 4
EXPLOSIVE METHOD BLANK SUMMARY

SAMPLE NO
BLK93963

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	93963
Lab File ID :	LA16748.D	SDG NO :	609118
Date Analyzed	10/14/2006	Lab Sample ID :	BLK93963
Date Extracted :	09/25/2006	Time Analyzed :	00:43
Matrix :(Soil/Water).	WATER	Level :(Low/Med)	

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES,MS AND MSD :

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed
BKS93963	BKS93963	LA16749.D	10/14/2006
NWO-017-3005MS	609118-001-033-1/6MS	LA16750.D	10/14/2006
NWO-017-3005MSD	609118-001-033-1/6MSD	LA16751.D	10/14/2006
NWO-017-3005	609118-001-033-1/6	LA16755.D	10/14/2006
NWO-017-3006	609118-002-001-1/2	LA16756.D	10/14/2006
NWO-017-3007	609118-003-003-1/2	LA16757.D	10/14/2006
NWO-017-3011	609118-005-005-1/2	LA16761.D	10/14/2006
NWO-017-3011 FD	609118-006-007-1/2	LA16762.D	10/14/2006

GPL Laboratories

GPL
FORM 4
EXPLOSIVE METHOD BLANK SUMMARY

SAMPLE NO
BLK93968

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	93968
Lab File ID :	LA16748.D	SDG NO :	609118
Date Analyzed	10/14/2006	Lab Sample ID :	BLK93968
Date Extracted :	09/25/2006	Time Analyzed :	00:43
Matrix :(Soil/Water).	WATER	Level :(Low/Med)	

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES,MS AND MSD :

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed
BKS93968	BKS93968	LA16752.D	10/14/2006
NWO-017-3005MS	609118-001-033-1/6MS	LA16753.D	10/14/2006
NWO-017-3005MSD	609118-001-033-1/6MSD	LA16754.D	10/14/2006
NWO-017-3005	609118-001-033-1/6	LA16755.D	10/14/2006
NWO-017-3006	609118-002-001-1/2	LA16756.D	10/14/2006
NWO-017-3007	609118-003-003-1/2	LA16757.D	10/14/2006
NWO-017-3011	609118-005-005-1/2	LA16761.D	10/14/2006
NWO-017-3011 FD	609118-006-007-1/2	LA16762.D	10/14/2006

B. Sample Data

1. TCL Results
2. Chromatographs from Primary and Confirmatory Analyses
3. Integration Report for Primary and Confirmatory Analyses

GPL Laboratories

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3005

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609118-001-033-1/6
Sample Volume :		Lab File ID :	LA16755.D
% Moisture:		Date Received	09/22/2006
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	10/14/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.038	J
118-96-7	2,4,6-Trinitrotoluene	0.077	J
121-14-2	2,4-Dinitrotoluene	0.027	J
606-20-2	2,6-Dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.072	J
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.079	J
2691-41-0	HMX	0.14	J
98-95-3	Nitrobenzene	0.20	U
121-82-4	RDX	0.40	U
479-45-8	Tetryl	0.40	U
99-08-1	m-Nitrotoluene	0.40	U
88-72-2	o-Nitrotoluene	0.40	U
99-99-0	p-Nitrotoluene	0.40	U

10A
EXPLOSIVES IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

NWO-017-3005

Lab Name: GPL LABORATORIES Contract: SHAW

Lab Code: GPL LAB Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab Sample ID: 609118-001 Date(s) Analyzed: 10/14/06 10/17/06

Instrument ID (1): HPLC-A Instrument ID (2): HPLC-D

GC Column(1): C18 ID: _____ (mm) GC Column(2): CN ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
HMX	1	4.75	4.18	5.28	0.141	
	2	15.49	14.78	15.88	0.313	122.4
2,4,6-TNT	1	25.93	25.25	26.35	0.077	
	2	40.03	39.42	40.52	0.165	114.5
4-Amino-2,6-DNT	1	28.19	27.38	28.48	0.079	
	2	19.37	18.72	19.82	0.074	6.6
1,3-DNB	1	19.00	18.39	19.49	0.038	
	2	18.25	17.63	18.73	0.040	5.8
2-Amino-4,6-DNT	1	29.77	29.04	30.14	0.072	
	2	19.35	18.72	19.82	0.073	1.5
2,4-DNT	1	34.10	33.37	34.47	0.027	
	2	25.73	25.11	26.21	0.044	62.3

page 1 of 1 FORM X EXPLOSIVES

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3005

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609118-001-033-1/6
Sample Volume :	990	Lab File ID :	LA16755.D
% Moisture:		Date Received	09/22/2006
Extraction:	EXT_SW8330	Date Extracted:	09/25/2006
Extract Volume:	20 mL	Date Analyzed	10/14/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	20	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\LA16755.D Vial: 17
Acq On : 14 Oct 2006 7:40 Operator: AG
Sample : 609118-001-033-1/6 Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 10:43 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.41	28114789	214.966	ng/mlm
Spiked Amount 300.000 Range 49 - 133 Recovery = 71.66%						
Target Compounds						
1)	T	HMX	4.75	858072	6.961	ng/mlm
5)	T	2,4,6-Trinitrotoluene	25.93	1303534	3.817	ng/mlm
6)	T	4-Amino-2,6-Dinitrotoluene	28.19f	964417	3.920	ng/mlm
10)	M	1,3-Dinitrobenzene	19.00	965613	1.871	ng/mlm
12)	M	2-Amino-4,6-Dinitrotoluene	29.77	1280591	3.548	ng/mlm
13)	M	2,4-Dinitrotoluene	34.10	707741	1.336	ng/mlm

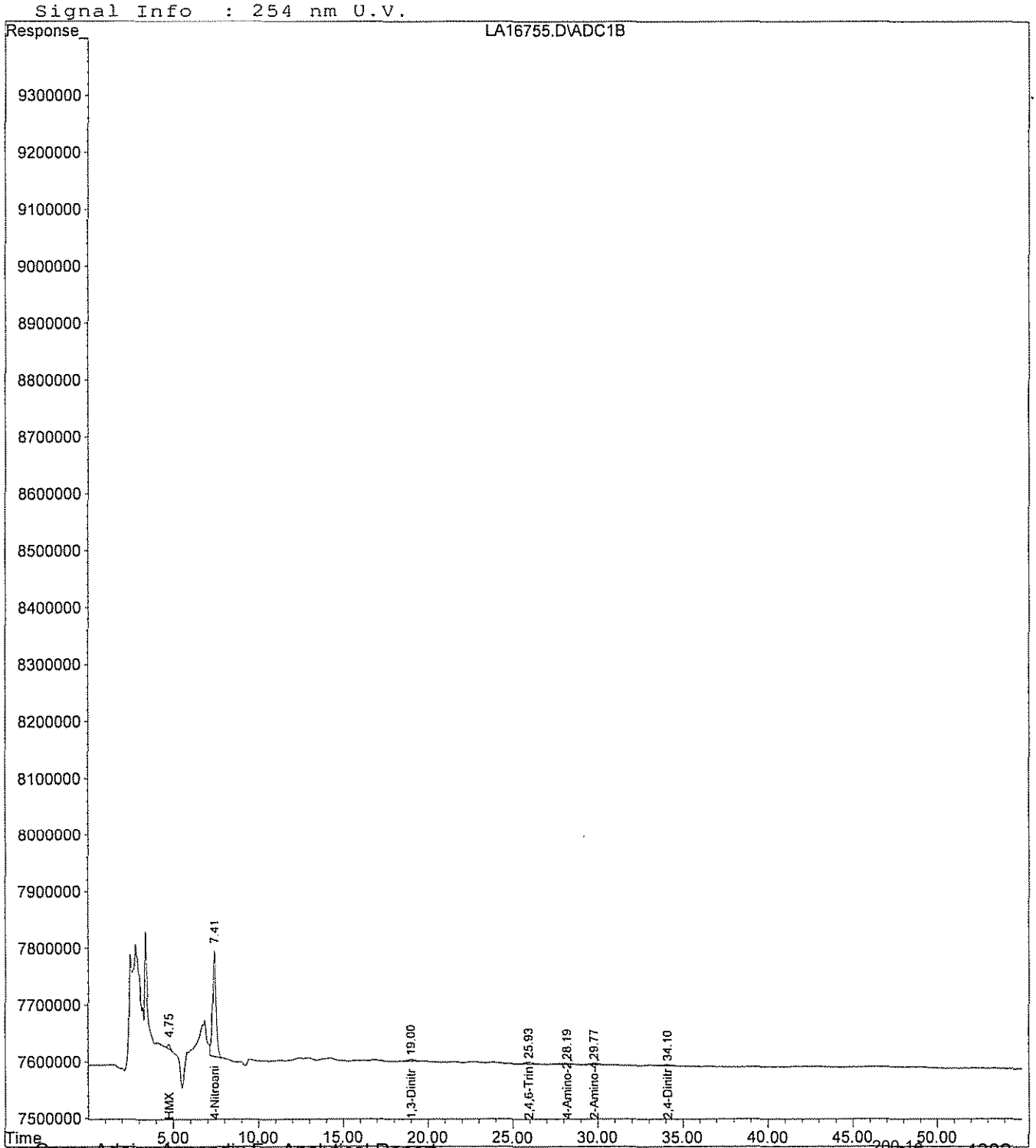
(f)=RT Delta > 1/2 Window (m)=manual int.
LA16755.D 67258330.M Wed Oct 18 10:44:39 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\101206\LA16755.D Vial: 17
Acq On : 14 Oct 2006 7:40 Operator: AG
Sample : 609118-001-033-1/6 Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 10:43 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\101606\LCD33404.D Vial: 19
Acq On : 17 Oct 2006 2:10 Operator: AG
Sample : 609118-001 Inst : LCD
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 10:39 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	8.56	23881902	202.351 ng/ml
Spiked Amount 300.000 Range 49 - 133		Recovery =	67.45%
Target Compounds			
1) T HMX	15.49f	1918490	15.482 ng/mlm
5) T 2,4,6-Trinitrotoluene	40.03	2466645	8.189 ng/mlm
6) T 4-Amino-2,6-Dinitrotoluene	19.37	2019402	3.676 ng/mlm
10) M 1,3-Dinitrobenzene	18.25	960993	1.979 ng/mlm
12) M 2-Amino-4,6-Dinitrotoluene	19.35	1963555	3.601 ng/mlm
13) M 2,4-Dinitrotoluene	25.73	979644	2.168 ng/mlm

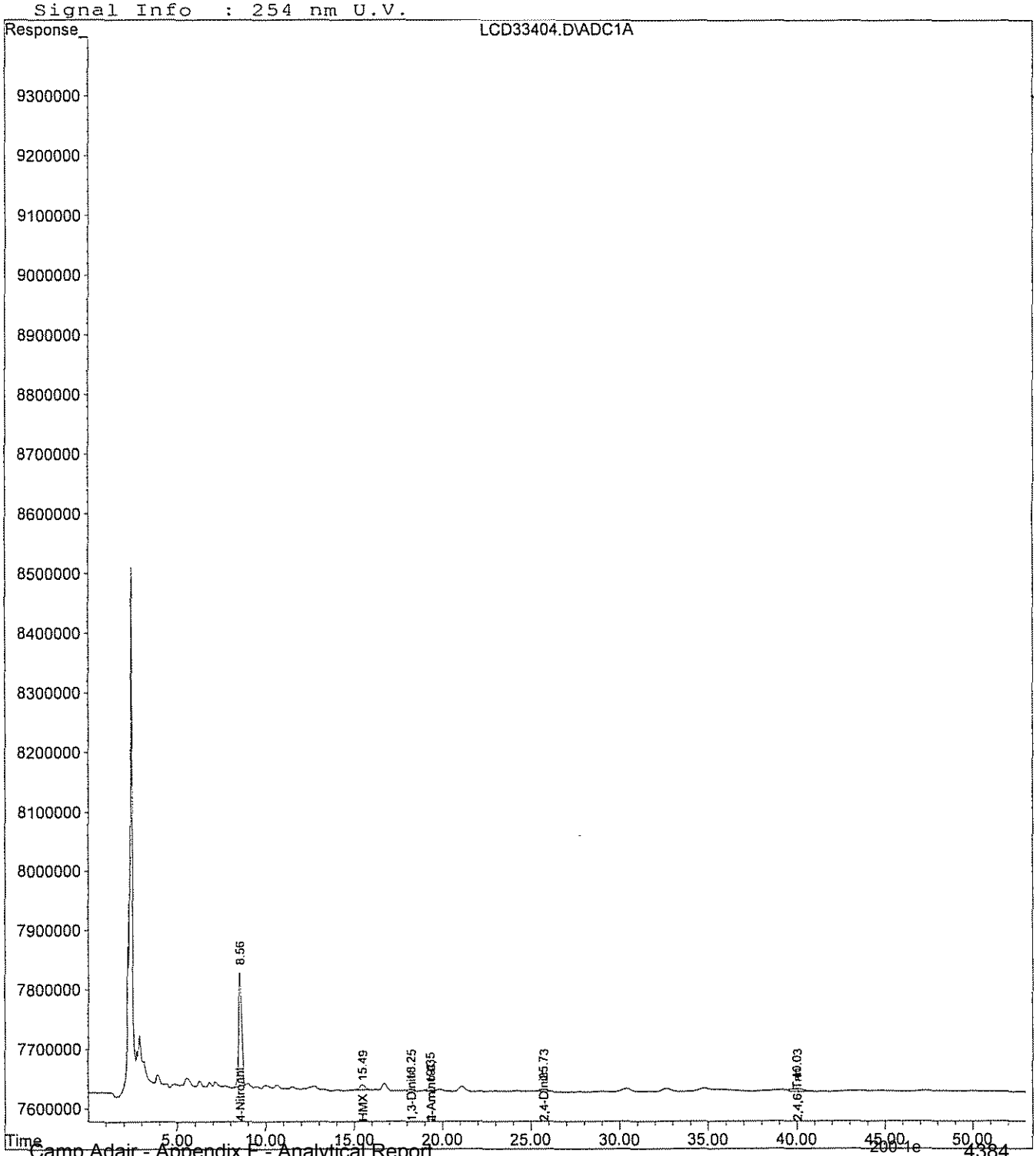
(f)=RT Delta > 1/2 Window (m)=manual int.
LCD33404.D 6525CON.M Wed Oct 18 10:41:27 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCD\101606\LCD33404.D Vial: 19
Acq On : 17 Oct 2006 2:10 Operator: AG
Sample : 609118-001 Inst : LCD
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 10:39 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\1012NG\LA16755.D Vial: 17
Acq On : 14 Oct 2006 7:40 Operator: AG
Sample : 609118-001-033-1/6 Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 9:53 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	7.41	24513491	199.967	PPB	m
Spiked Amount 300.000		Recovery =	66.66%		
Target Compounds					
2) M NITROGLYCERINE	0.00	0	N.D.	PPM	

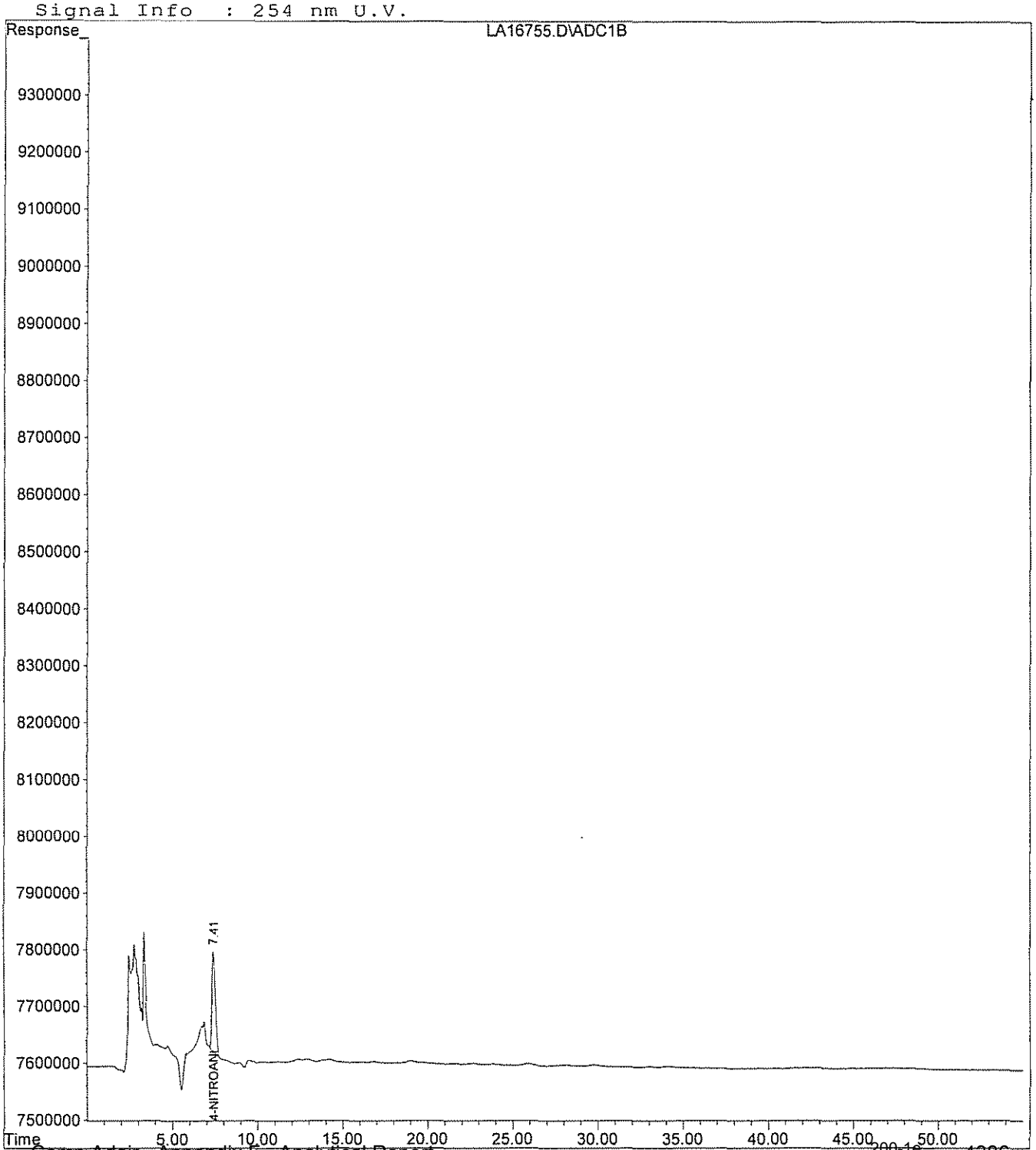
(f)=RT Delta > 1/2 Window (m)=manual int.
LA16755.D 60607NG.M Wed Oct 18 10:04:04 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\101206\1012NG\LA16755.D Vial: 17
Acq On : 14 Oct 2006 7:40 Operator: AG
Sample : 609118-001-033-1/6 Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 9:53 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3006

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609118-002-001-1/2
Sample Volume :	980	Lab File ID :	LA16756.D
% Moisture:		Date Received	09/22/2006
Extraction:	SW3535	Date Extracted:	09/25/2006
Extract Volume:	20 mL	Date Analyzed	10/14/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.20	U
118-96-7	2,4,6-Trinitrotoluene	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.20	U
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.20	U
2691-41-0	HMX	0.41	U
98-95-3	Nitrobenzene	0.20	U
121-82-4	RDX	0.41	U
479-45-8	Tetryl	0.41	U
99-08-1	m-Nitrotoluene	0.41	U
88-72-2	o-Nitrotoluene	0.41	U
99-99-0	p-Nitrotoluene	0.41	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3006

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609118-002-001-1/2
Sample Volume :	980	Lab File ID :	LA16756.D
% Moisture:		Date Received	09/22/2006
Extraction:	EXT_SW8330	Date Extracted:	09/25/2006
Extract Volume:	20 mL	Date Analyzed	10/14/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	20	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\LA16756.D Vial: 18
Acq On : 14 Oct 2006 8:40 Operator: AG
Sample : 609118-002-001-1/2 Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 10:43 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

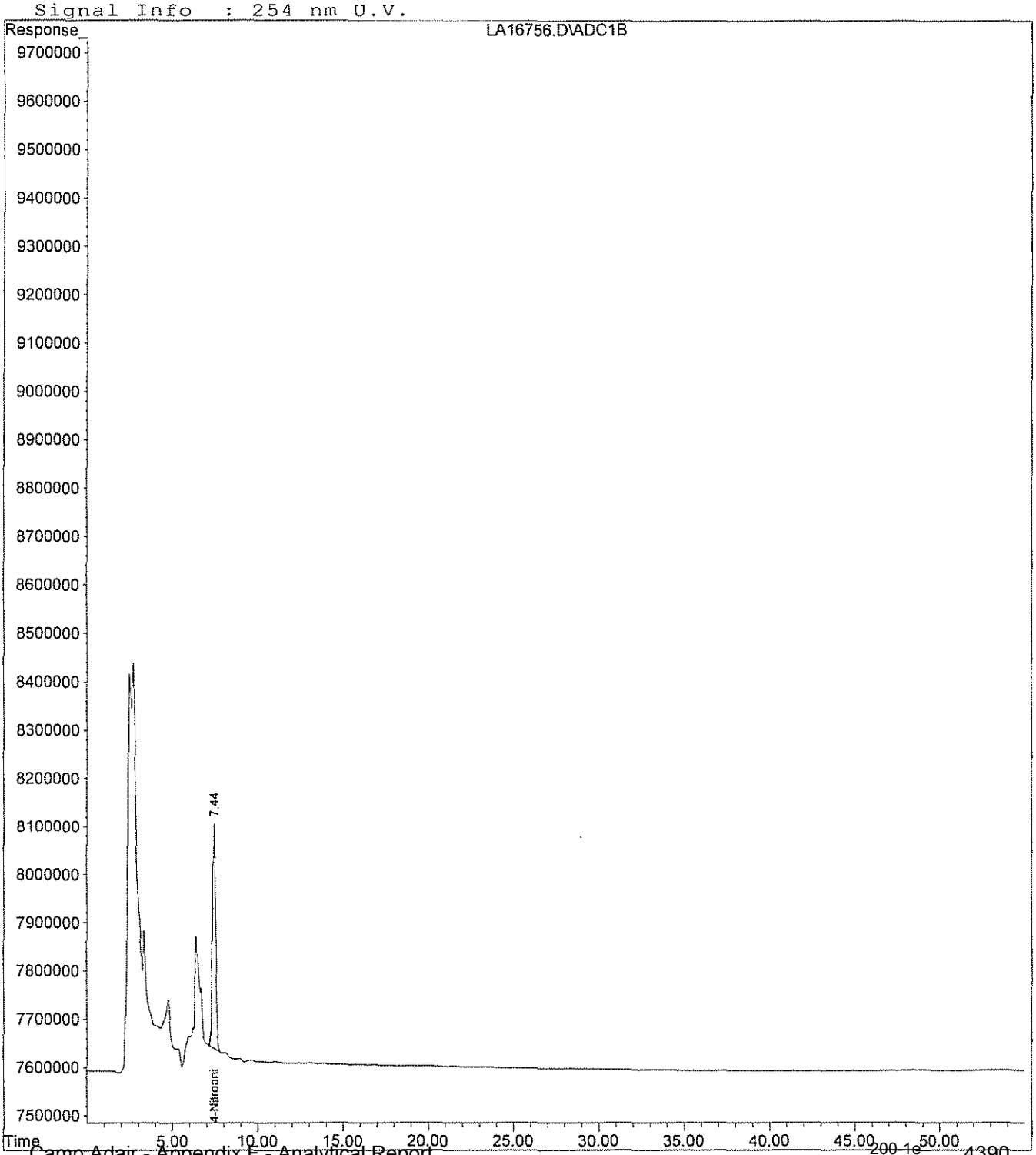
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.44	59712365	456.562 ng/ml
Spiked Amount 300.000	Range 49 - 133	Recovery =	152.19%#
Target Compounds			

Quantitation Report

Data File : H:\LCDATA\LCA\101206\LA16756.D Vial: 18
Acq On : 14 Oct 2006 8:40 Operator: AG
Sample : 609118-002-001-1/2 Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 10:43 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\101606\LCD33405.D Vial: 20
Acq On : 17 Oct 2006 3:07 Operator: AG
Sample : 609118-002 Inst : LCD
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 10:40 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	8.60	55840195	473.132 ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 157.71%#			
Target Compounds			

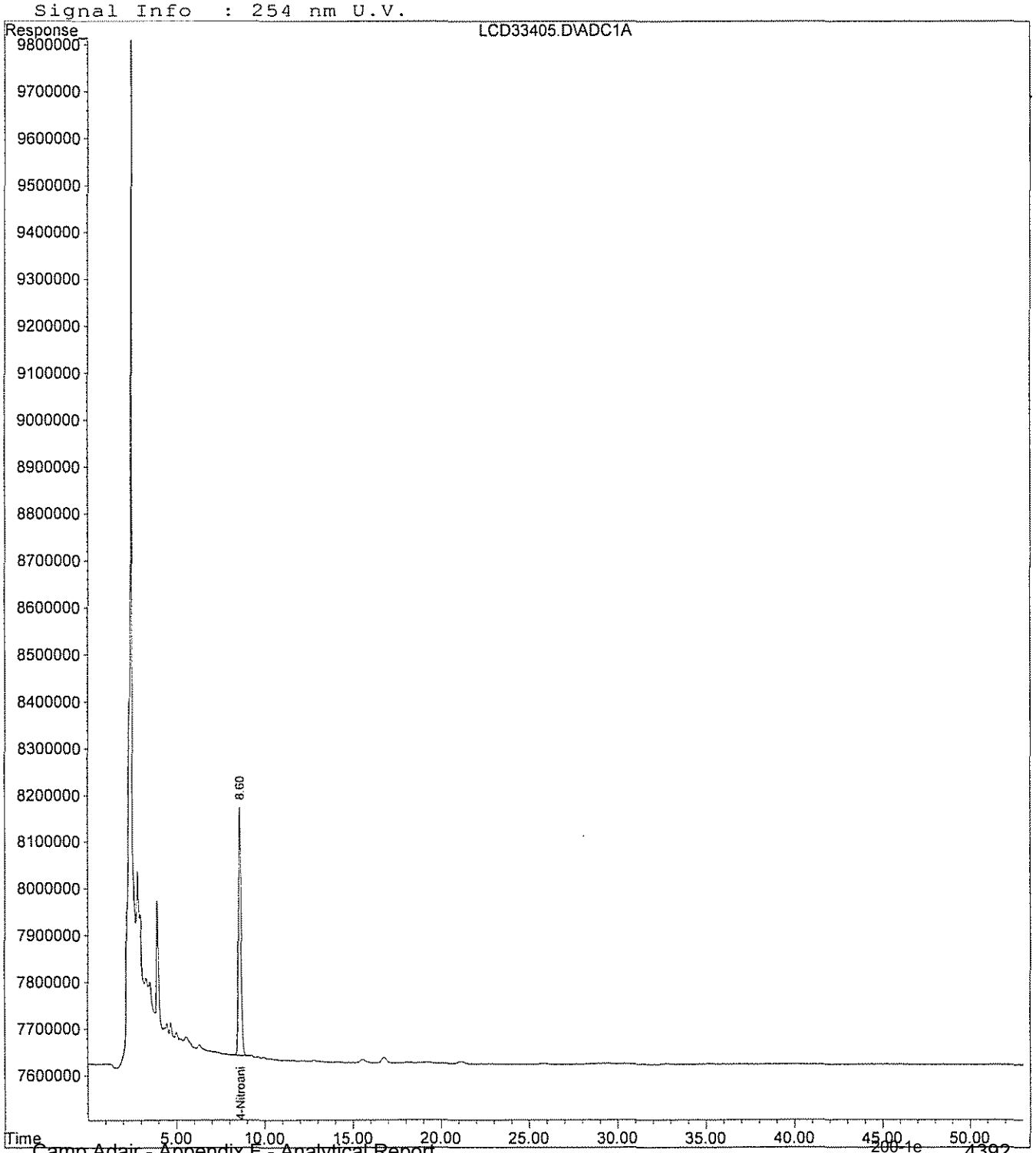
(f)=RT Delta > 1/2 Window (m)=manual int.
LCD33405.D 6525CON.M Wed Oct 18 10:42:07 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCD\101606\LCD33405.D Vial: 20
Acq On : 17 Oct 2006 3:07 Operator: AG
Sample : 609118-002 Inst : LCD
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 10:40 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\1012NG\LA16756.D Vial: 18
Acq On : 14 Oct 2006 8:40 Operator: AG
Sample : 609118-002-001-1/2 Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 9:53 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.44	59554353	485.809 PPB
Spiked Amount 300.000		Recovery =	161.94%
Target Compounds			
2) M NITROGLYCERINE	0.00	0	N.D. PPM

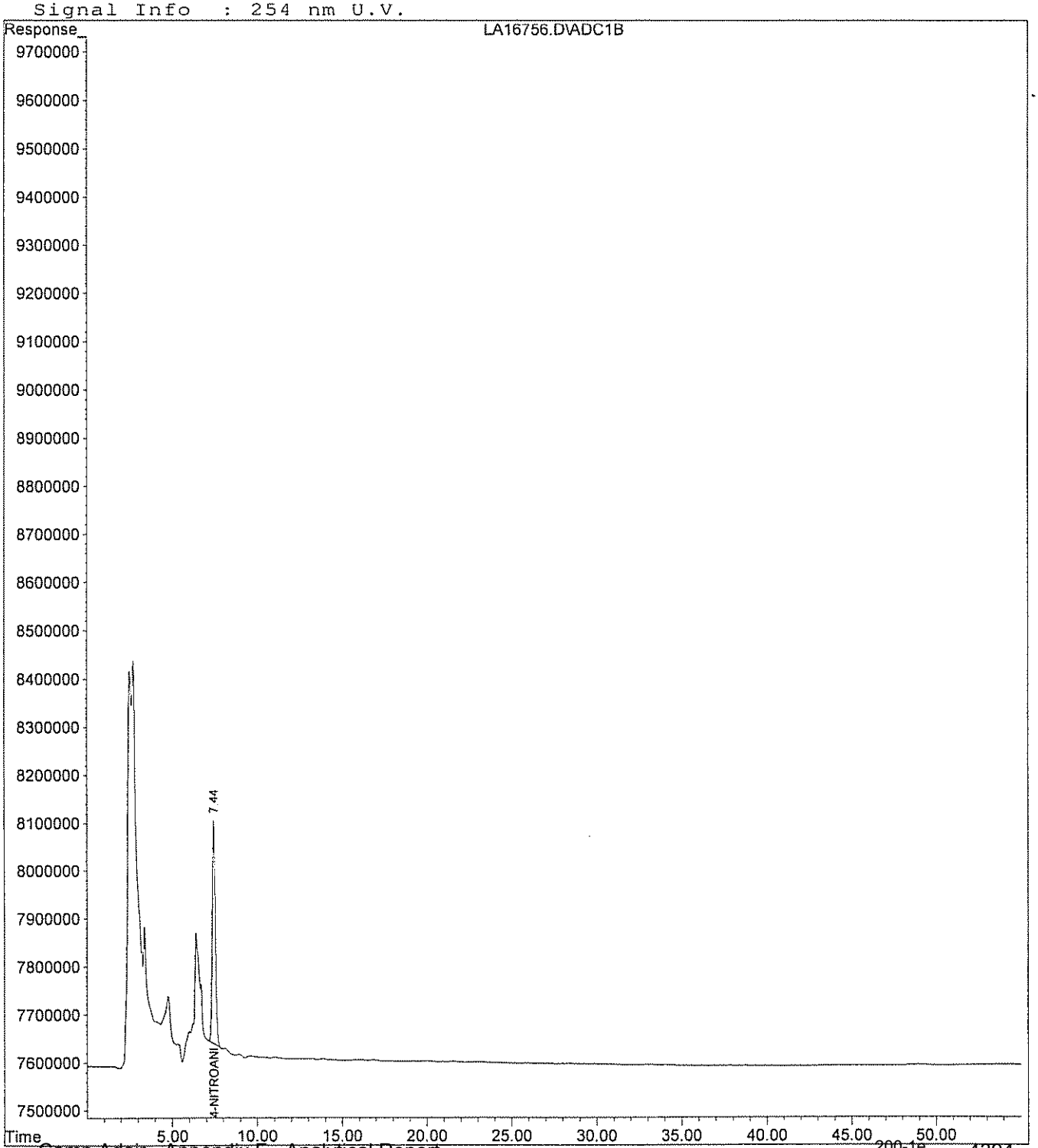
(f)=RT Delta > 1/2 Window (m)=manual int.
LA16756.D 60607NG.M Wed Oct 18 10:04:06 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\101206\1012NG\LA16756.D Vial: 18
Acq On : 14 Oct 2006 8:40 Operator: AG
Sample : 609118-002-001-1/2 Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 9:53 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3007

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609118-003-003-1/2
Sample Volume :	990	Lab File ID :	LA16757.D
% Moisture:		Date Received	09/22/2006
Extraction:	SW3535	Date Extracted:	09/25/2006
Extract Volume:	20 mL	Date Analyzed	10/14/2006
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.20	U
118-96-7	2,4,6-Trinitrotoluene	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.20	U
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.20	U
2691-41-0	HMX	0.40	U
98-95-3	Nitrobenzene	0.20	U
121-82-4	RDX	0.40	U
479-45-8	Tetryl	0.40	U
99-08-1	m-Nitrotoluene	0.40	U
88-72-2	o-Nitrotoluene	0.40	U
99-99-0	p-Nitrotoluene	0.40	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3007

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609118-003-003-1/2
Sample Volume :	990	Lab File ID :	LA16757.D
% Moisture:		Date Received	09/22/2006
Extraction:	EXT_SW8330	Date Extracted:	09/25/2006
Extract Volume:	20 mL	Date Analyzed	10/14/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	20	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\LA16757.D Vial: 19
Acq On : 14 Oct 2006 9:39 Operator: AG
Sample : 609118-003-003-1/2 Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 10:44 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.41	64979811	496.837 ng/mlm
Spiked Amount 300.000 Range 49 - 133 Recovery = 165.61%#			
Target Compounds			

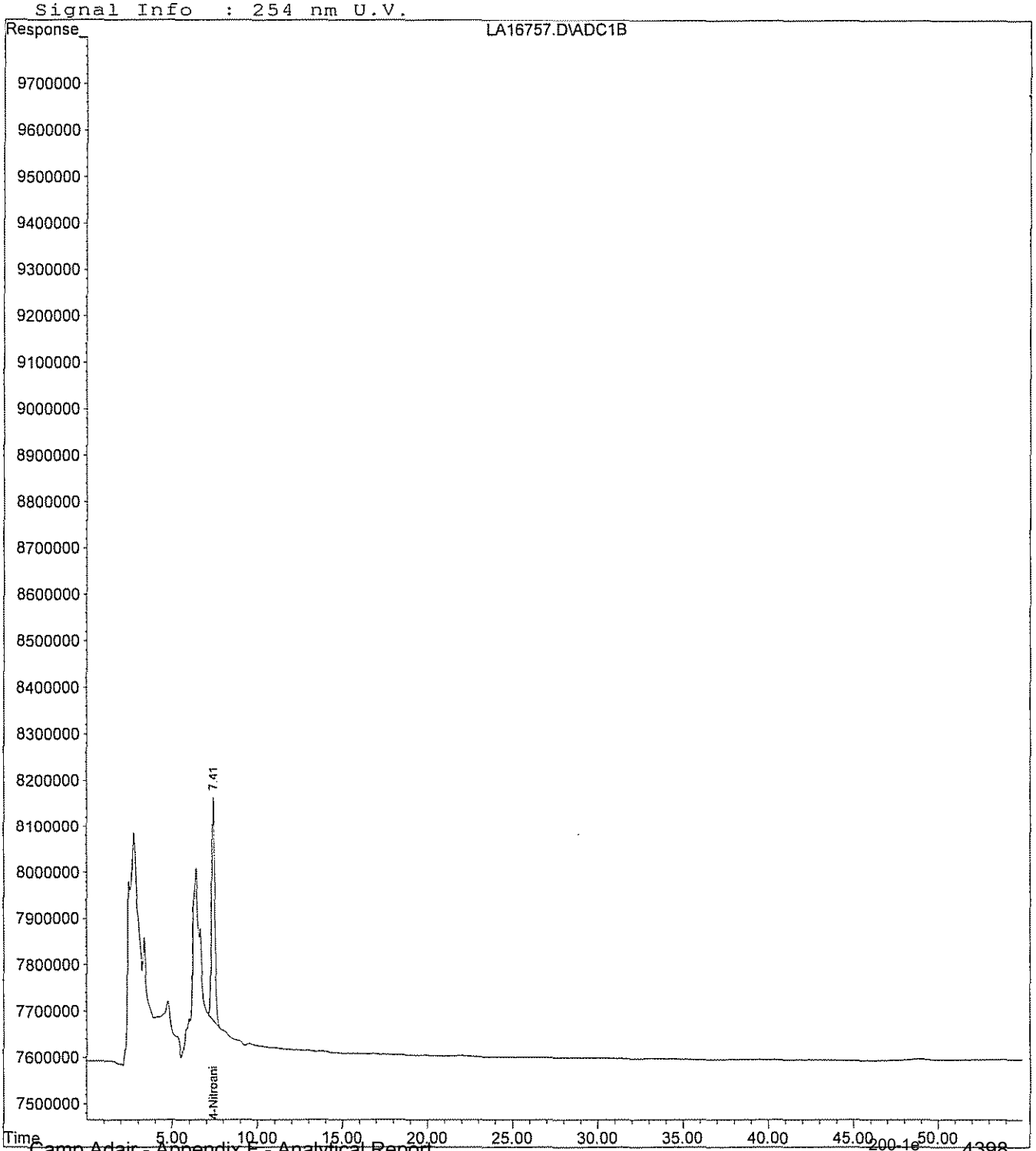
(f)=RT Delta > 1/2 Window (m)=manual int.
LA16757.D 67258330.M Wed Oct 18 10:45:24 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\101206\LA16757.D Vial: 19
Acq On : 14 Oct 2006 9:39 Operator: AG
Sample : 609118-003-003-1/2 Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 10:44 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\101606\LCD33406.D Vial: 21
Acq On : 17 Oct 2006 4:05 Operator: AG
Sample : 609118-003 Inst : LCD
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 10:41 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	8.60	62469837	529.305 ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 176.44%#			
Target Compounds			

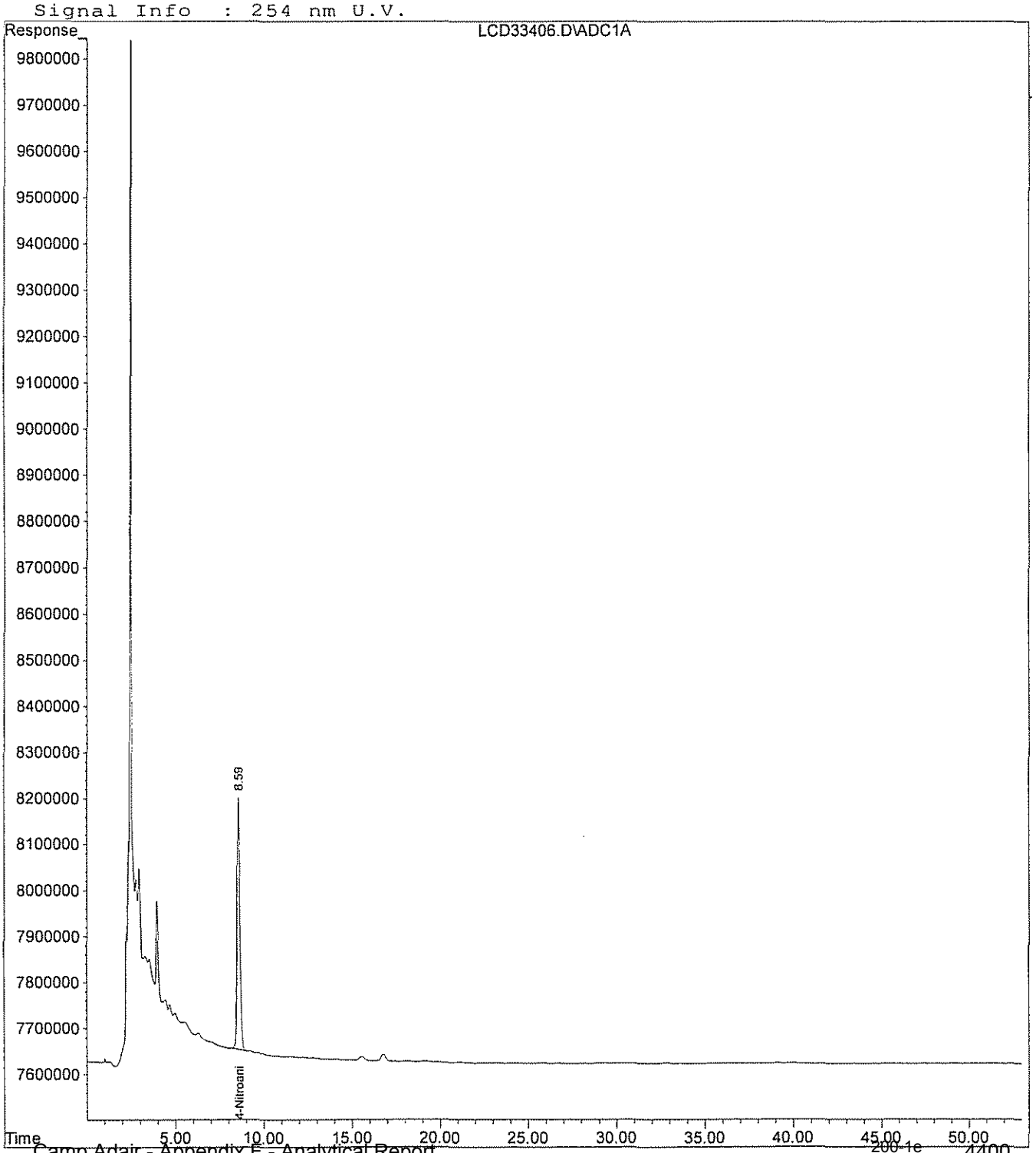
(f)=RT Delta > 1/2 Window (m)=manual int.
LCD33406.D 6525CON.M Wed Oct 18 10:42:42 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCD\101606\LCD33406.D Vial: 21
Acq On : 17 Oct 2006 4:05 Operator: AG
Sample : 609118-003 Inst : LCD
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 10:41 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\1012NG\LA16757.D Vial: 19
Acq On : 14 Oct 2006 9:39 Operator: AG
Sample : 609118-003-003-1/2 Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 9:53 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	7.41	64602505	526.989	PPB	m
Spiked Amount 300.000		Recovery = 175.66%			
Target Compounds					
2) M NITROGLYCERINE	0.00	0	N.D.	PPM	

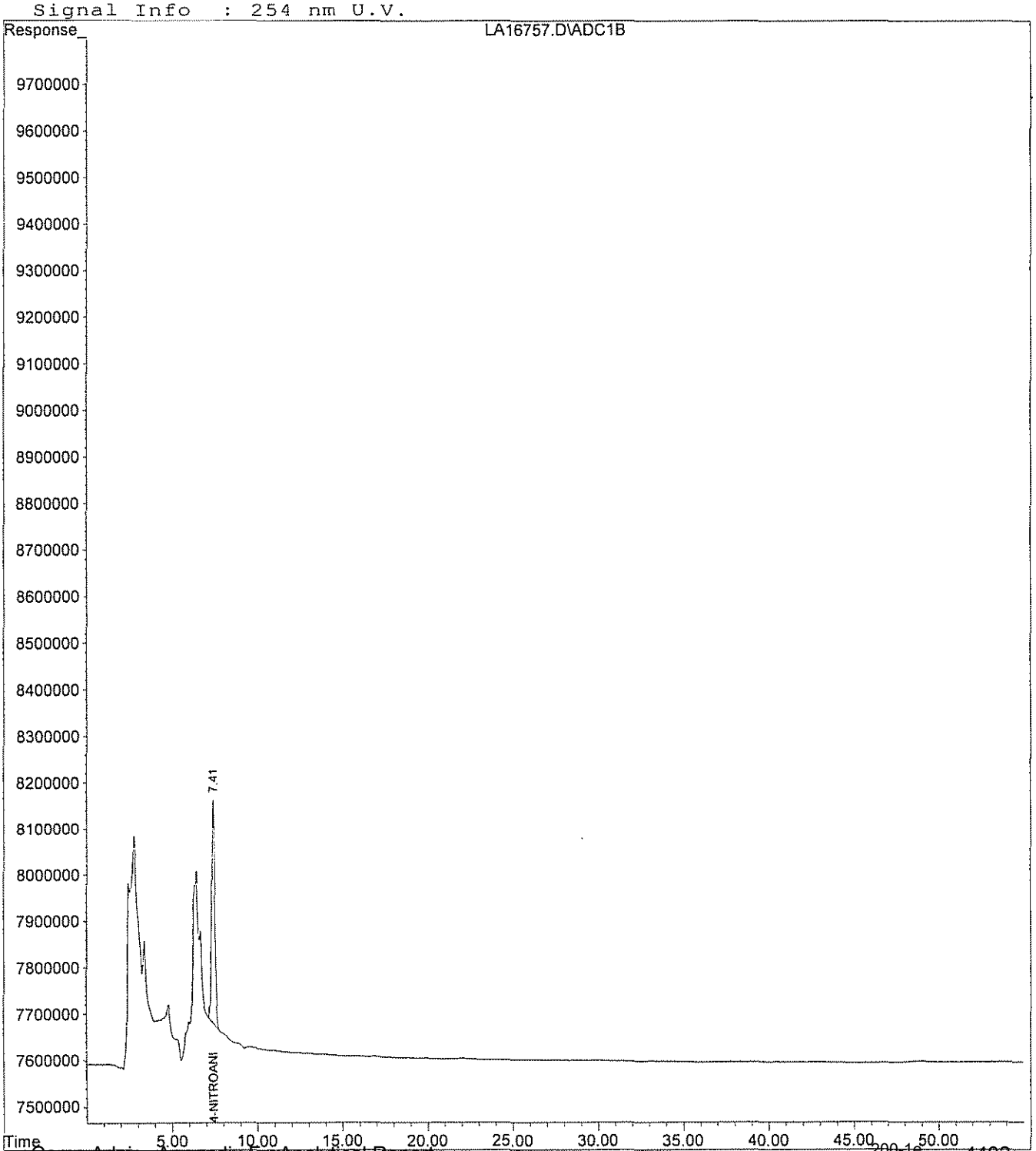
(f)=RT Delta > 1/2 Window (m)=manual int.
LA16757.D 60607NG.M Wed Oct 18 10:04:09 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\101206\1012NG\LA16757.D Vial: 19
Acq On : 14 Oct 2006 9:39 Operator: AG
Sample : 609118-003-003-1/2 Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 9:53 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3011

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609118-005-005-1/2
Sample Volume :	950	Lab File ID :	LA16761.D
% Moisture:		Date Received	09/22/2006
Extraction:	SW3535	Date Extracted:	09/25/2006
Extract Volume:	20 mL	Date Analyzed	10/14/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.21	U
99-65-0	1,3-Dinitrobenzene	0.21	U
118-96-7	2,4,6-Trinitrotoluene	0.21	U
121-14-2	2,4-Dinitrotoluene	0.21	U
606-20-2	2,6-Dinitrotoluene	0.21	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.21	U
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.21	U
2691-41-0	HMX	0.42	U
98-95-3	Nitrobenzene	0.21	U
121-82-4	RDX	0.42	U
479-45-8	Tetryl	0.42	U
99-08-1	m-Nitrotoluene	0.42	U
88-72-2	o-Nitrotoluene	0.42	U
99-99-0	p-Nitrotoluene	0.42	U

GPL Laboratories

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FORM I
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3011

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609118-005-005-1/2
Sample Volume :	950	Lab File ID :	LA16761.D
% Moisture:		Date Received	09/22/2006
Extraction:	EXT_SW8330	Date Extracted:	09/25/2006
Extract Volume:	20 mL	Date Analyzed	10/14/2006
Injection Volume :	100 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	21	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\LA16761.D Vial: 23
Acq On : 14 Oct 2006 13:37 Operator: AG
Sample : 609118-005-005-1/2 Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 10:44 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.38	51479368	393.612 ng/ml
Spiked Amount 300.000	Range 49 - 133	Recovery = 131.20%	

Target Compounds

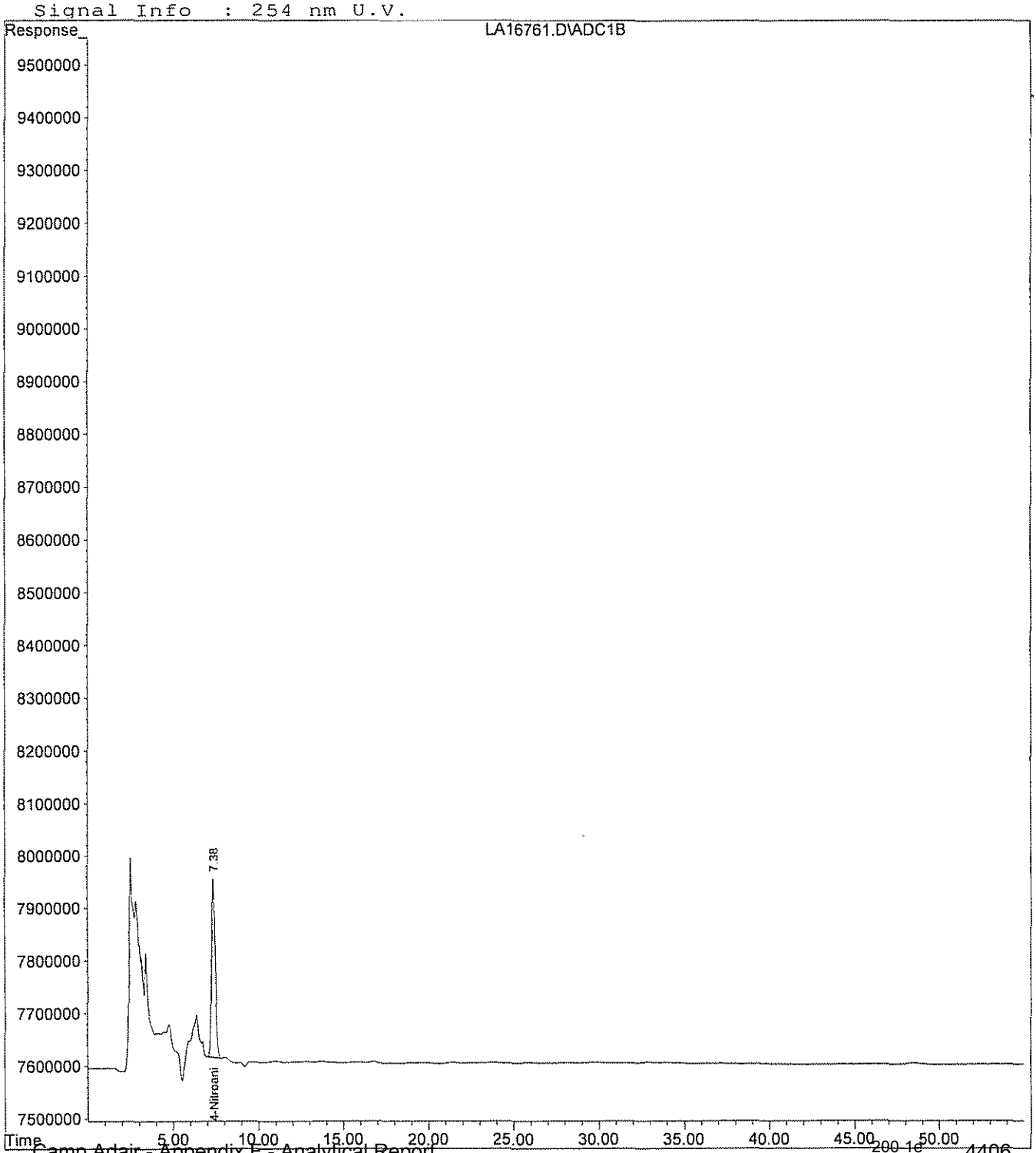
(f)=RT Delta > 1/2 Window (m)=manual int.
LA16761.D 67258330.M Wed Oct 18 10:45:54 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\101206\LA16761.D Vial: 23
Acq On : 14 Oct 2006 13:37 Operator: AG
Sample : 609118-005-005-1/2 Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 10:44 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\101606\LCD33407.D Vial: 22
Acq On : 17 Oct 2006 5:02 Operator: AG
Sample : 609118-005 Inst : LCD
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 10:41 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	8.58	46683481	395.548 ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 131.85%			
Target Compounds			

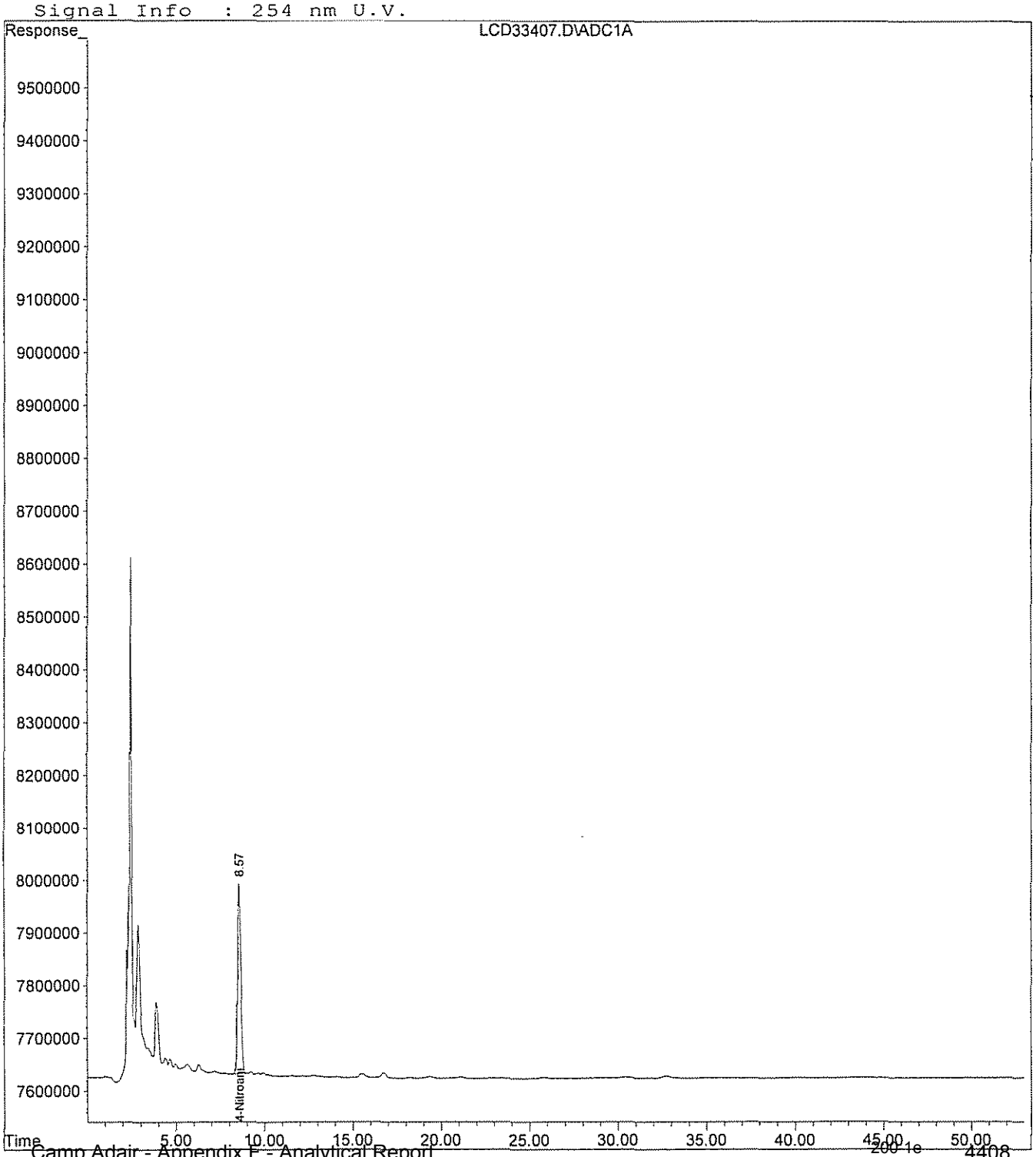
(f)=RT Delta > 1/2 Window (m)=manual int.
LCD33407.D 6525CON.M Wed Oct 18 10:43:17 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCD\101606\LCD33407.D Vial: 22
Acq On : 17 Oct 2006 5:02 Operator: AG
Sample : 609118-005 Inst : LCD
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 10:41 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\1012NG\LA16761.D Vial: 23
Acq On : 14 Oct 2006 13:37 Operator: AG
Sample : 609118-005-005-1/2 Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 10:01 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 4-NITROANILINE	7.38	51656565	421.384	PPB
Spiked Amount 300.000		Recovery =	140.46%	
Target Compounds				
2) M NITROGLYCERINE	0.00	0	N.D.	PPM

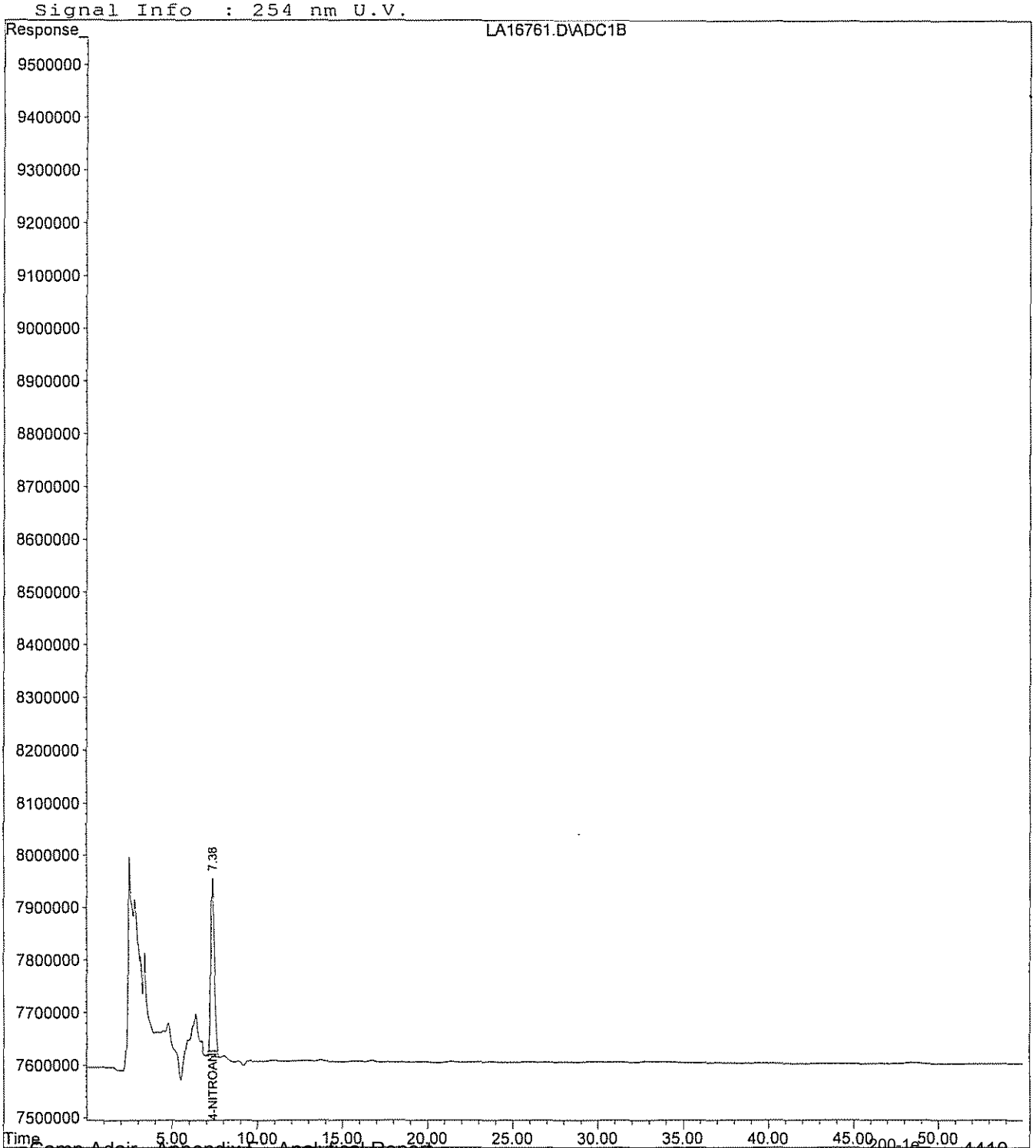
(f)=RT Delta > 1/2 Window (m)=manual int.
LA16761.D 60607NG.M Wed Oct 18 10:04:12 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\101206\1012NG\LA16761.D Vial: 23
Acq On : 14 Oct 2006 13:37 Operator: AG
Sample : 609118-005-005-1/2 Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 10:01 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



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SAMPLE NO
NWO-017-3011 FD

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609118-006-007-1/2
Sample Volume :	990	Lab File ID :	LA16762.D
% Moisture:		Date Received	09/22/2006
Extraction:	SW3535	Date Extracted:	09/25/2006
Extract Volume:	20 mL	Date Analyzed	10/14/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.20	U
118-96-7	2,4,6-Trinitrotoluene	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.20	U
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.20	U
2691-41-0	HMX	0.40	U
98-95-3	Nitrobenzene	0.20	U
121-82-4	RDX	0.40	U
479-45-8	Tetryl	0.40	U
99-08-1	m-Nitrotoluene	0.40	U
88-72-2	o-Nitrotoluene	0.40	U
99-99-0	p-Nitrotoluene	0.40	U

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GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3011 FD

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609118-006-007-1/2
Sample Volume :	990	Lab File ID :	LA16762.D
% Moisture:		Date Received	09/22/2006
Extraction:	EXT_SW8330	Date Extracted:	09/25/2006
Extract Volume:	20 mL	Date Analyzed	10/14/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	20	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\LA16762.D Vial: 24
Acq On : 14 Oct 2006 14:37 Operator: AG
Sample : 609118-006-007-1/2 Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 16 8:53 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.34	35780508	273.578 ng/ml
Spiked Amount 300.000	Range 49 - 133	Recovery =	91.19%
Target Compounds			

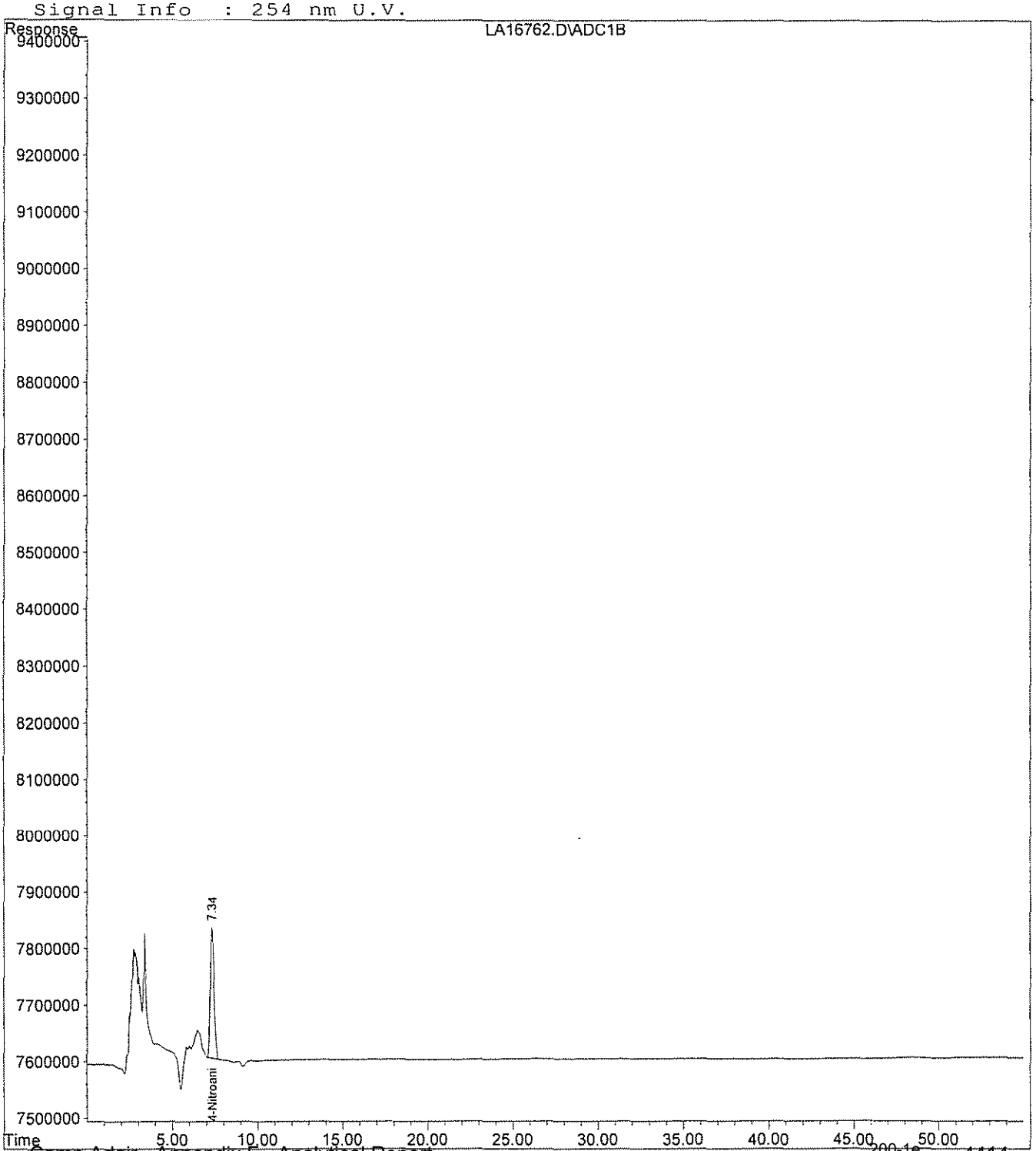
(f)=RT Delta > 1/2 Window (m)=manual int.
LA16762.D 67258330.M Wed Oct 18 08:52:10 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\101206\LA16762.D Vial: 24
Acq On : 14 Oct 2006 14:37 Operator: AG
Sample : 609118-006-007-1/2 Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 16 8:53 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\1012NG\LA16762.D Vial: 24
Acq On : 14 Oct 2006 14:37 Operator: AG
Sample : 609118-006-007-1/2 Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 10:01 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	7.34	35930198	293.097	PPB	m
Spiked Amount 300.000		Recovery =	97.70%		
Target Compounds					
2) M NITROGLYCERINE	0.00	0	N.D.	PPM	

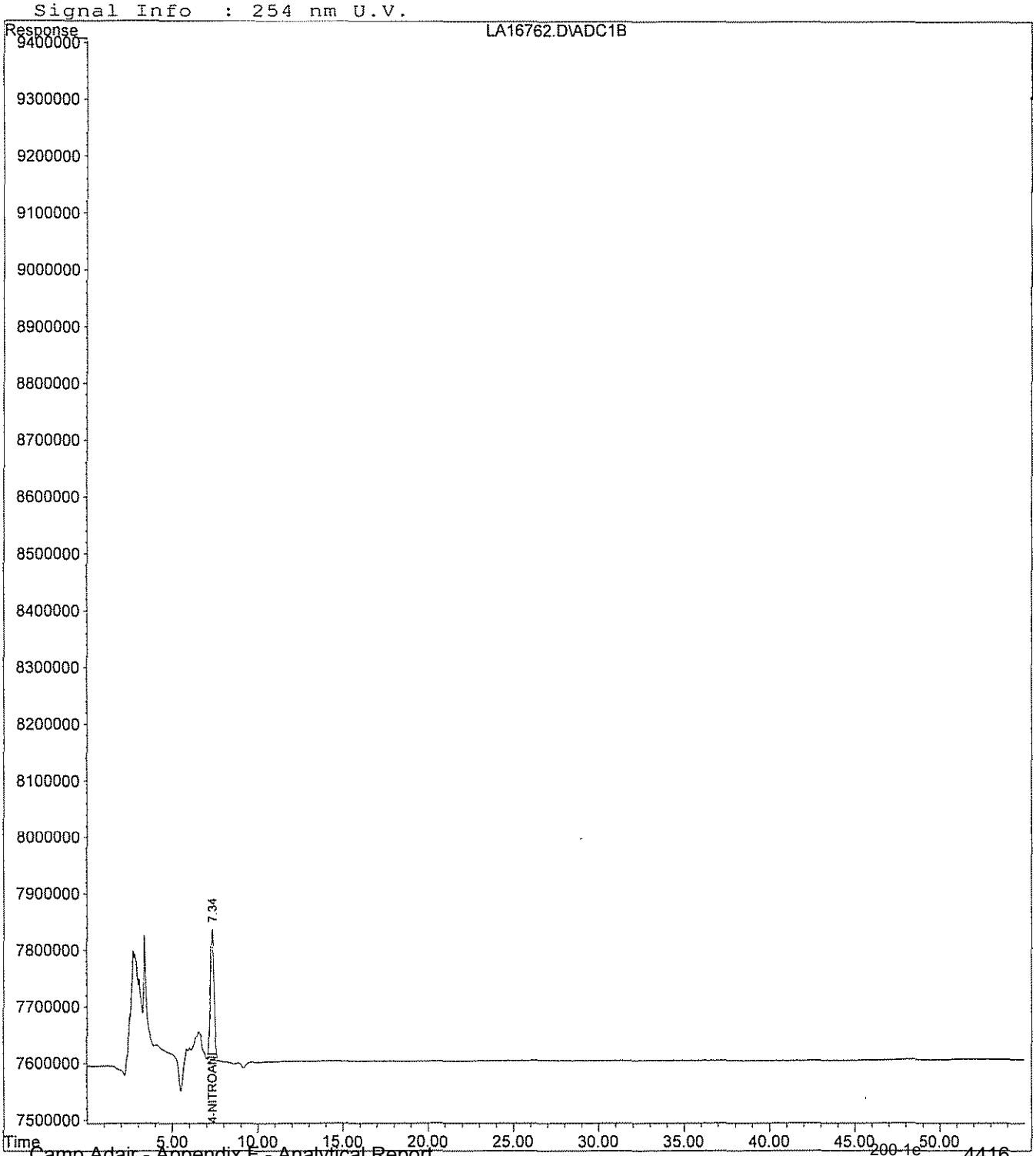
(f)=RT Delta > 1/2 Window (m)=manual int.
LA16762.D 60607NG.M Wed Oct 18 10:04:15 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\101206\1012NG\LA16762.D Vial: 24
Acq On : 14 Oct 2006 14:37 Operator: AG
Sample : 609118-006-007-1/2 Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 10:01 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LA16762.D 60607NG.M Wed Oct 18 10:04:16 2006 Page 2

C. Standards Data

1. Initial Calibration Data

2. Continuing Calibration Data

GPL Laboratories

Response Factor Report LCA

Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 10:20:04 2006

Calibration Files
LEV1 =LA15127.D LEV2 =LA15128.D LEV3 =LA15129.D
LEV4 =LA15130.D LEV5 =LA15131.D LEV6 =LA15132.D

		Compound	LEV1	LEV2	LEV3	LEV4	LEV5	LEV6	Avg		%RSD
1)	T	HMX	1.296	1.290	1.223	1.196	1.208	1.183	1.233	E5	3.96
2)	S	4-Nitroaniline	1.267	1.398	1.267	1.264	1.381	1.271	1.308	E5	4.83
3)	T	1,3,5-Trinitrobenze	3.361	3.419	3.541	3.506	3.534	3.461	3.470	E5	2.04
4)	T	Tetryl	2.286	2.076	2.634	2.617	2.634	2.586	2.472	E5	9.55
5)	T	2,4,6-Trinitrotolue	3.509	3.416	3.447	3.387	3.408	3.322	3.415	E5	1.82
6)	T	4-Amino-2,6-Dinitro	2.696	2.677	2.374	2.337	2.373	2.305	2.460	E5	7.20
7)	T	2,6-Dinitrotoluene	2.363	2.353	2.225	2.165	2.162	2.166	2.239	E5	4.25
8)	T	4-Nitrotoluene	2.348	1.907	1.947	2.040	2.027	1.999	2.045	E5	7.67
9)	M	RDX	1.821	1.731	1.649	1.553	1.571	1.527	1.642	E5	6.99
10)	M	1,3-Dinitrobenzene	5.496	5.066	5.187	5.083	5.115	5.020	5.161	E5	3.36
11)	M	Nitrobenzene	3.955	3.743	3.642	3.647	3.669	3.621	3.713	E5	3.40
12)	M	2-Amino-4,6-Dinitro	3.671	3.777	3.600	3.544	3.573	3.491	3.609	E5	2.82
13)	M	2,4-Dinitrotoluene	5.610	5.477	5.224	5.141	5.177	5.163	5.298	E5	3.71
14)	M	2-Nitrotoluene	2.387	2.414	2.260	2.273	2.294	2.246	2.312	E5	3.06
15)	M	3-Nitrotoluene	2.659	2.646	2.476	2.518	2.516	2.490	2.551	E5	3.15

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15126.D Vial: 1
Acq On : 24 Jul 2006 7:50 pm Operator: AG
Sample : 8330MIX-BLK Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:21 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds

Target Compounds

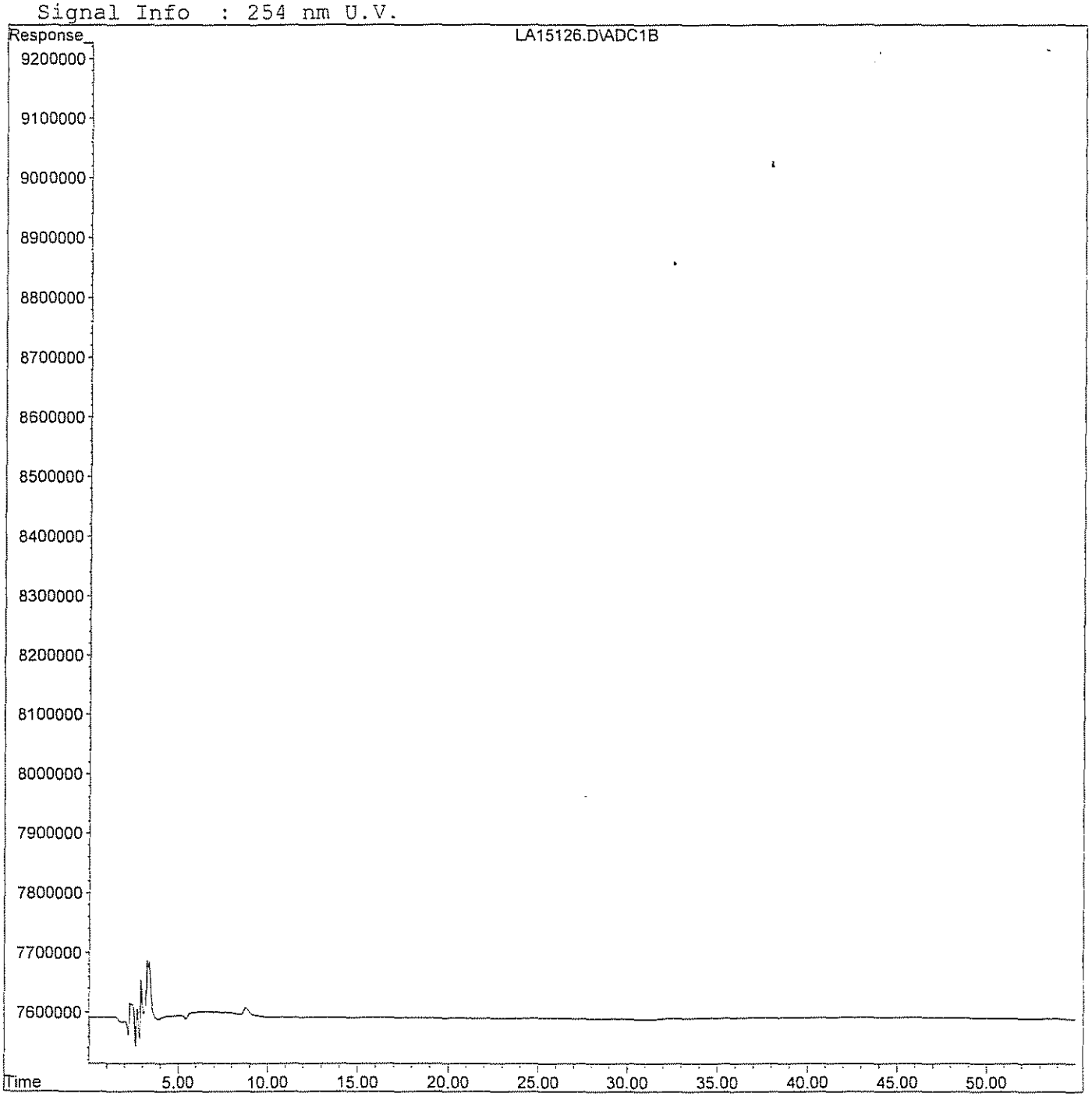
(f)=RT Delta > 1/2 Window

Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15126.D Vial: 1
Acq On : 24 Jul 2006 7:50 pm Operator: AG
Sample : 8330MIX-BLK Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:21 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15127.D Vial: 2
Acq On : 24 Jul 2006 8:49 pm Operator: AG
Sample : 8330MIX-LEV1 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:19 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
2) S	4-Nitroaniline	7.17	2533747	19.283 ng/mlm
Spiked Amount	300.000	Range 49 - 133	Recovery =	6.43%#
	Target Compounds			
1) T	HMX	4.62	2592528	20.862 ng/mlm
3) T	1,3,5-Trinitrobenzene	13.69	3360523	9.592 ng/mlm
4) T	Tetryl	20.24	4571428	18.848 ng/mlm
5) T	2,4,6-Trinitrotoluene	24.84	3508932	10.376 ng/mlm
6) T	4-Amino-2,6-Dinitrotoluene	26.62	2695882	10.852 ng/mlm
7) T	2,6-Dinitrotoluene	31.47	2362751	10.560 ng/mlm
8) T	4-Nitrotoluene	44.17	4696060	22.843 ng/mlm
9) M	RDX	9.09	3641036	21.529 ng/mlm
10) M	1,3-Dinitrobenzene	18.36	5496210	10.648 ng/mlm
11) M	Nitrobenzene	22.34	3955430	10.646 ng/mlm
12) M	2-Amino-4,6-Dinitrotoluene	28.39	3670539	10.231 ng/mlm
13) M	2,4-Dinitrotoluene	32.58	5609844	10.618 ng/mlm
14) M	2-Nitrotoluene	40.99	4773720	20.714 ng/mlm
15) M	3-Nitrotoluene	48.05	5317784	20.558 ng/mlm

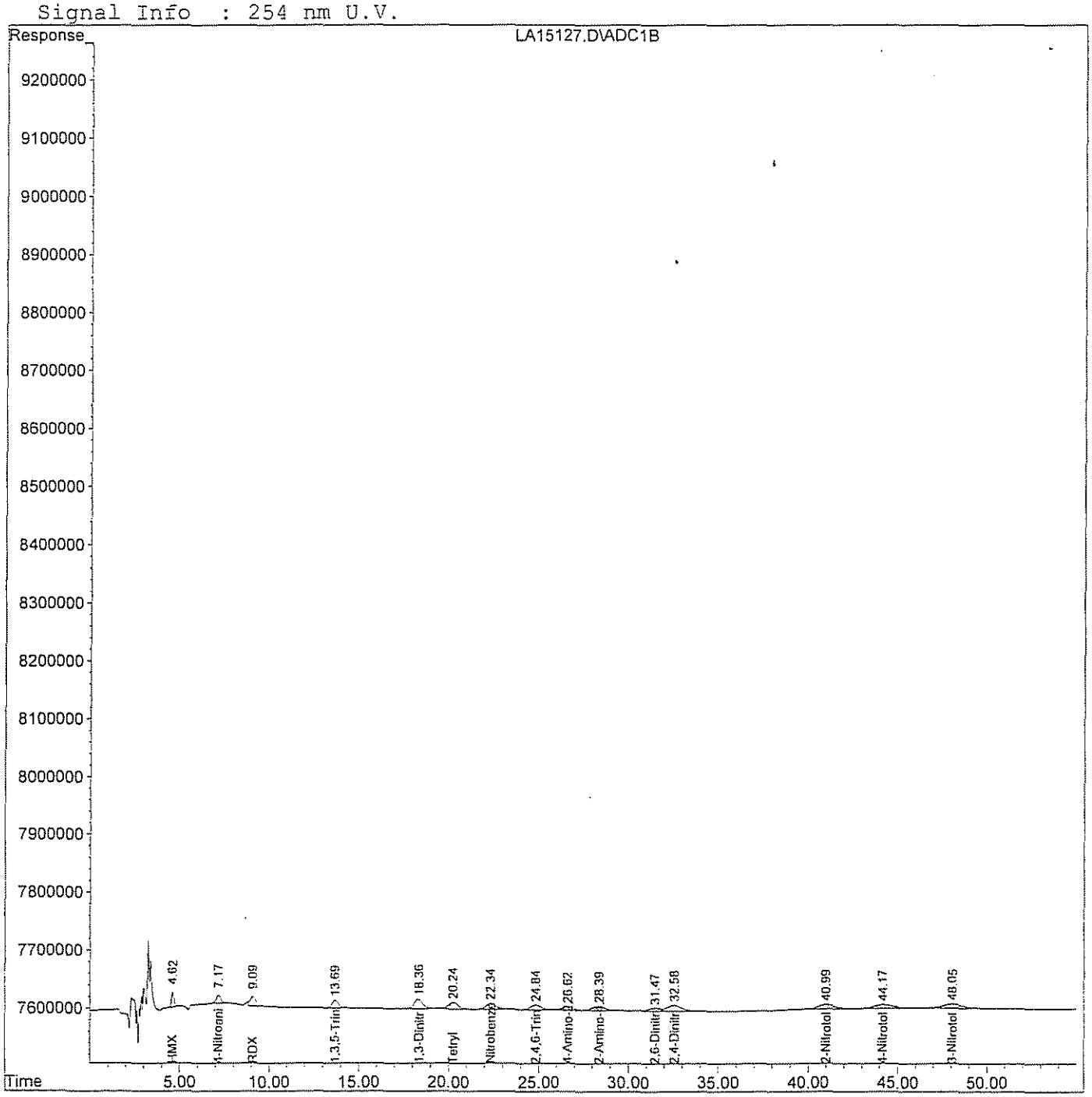
(f)=RT Delta > 1/2 Window

Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15127.D Vial: 2
Acq On : 24 Jul 2006 8:49 pm Operator: AG
Sample : 8330MIX-LEV1 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:19 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

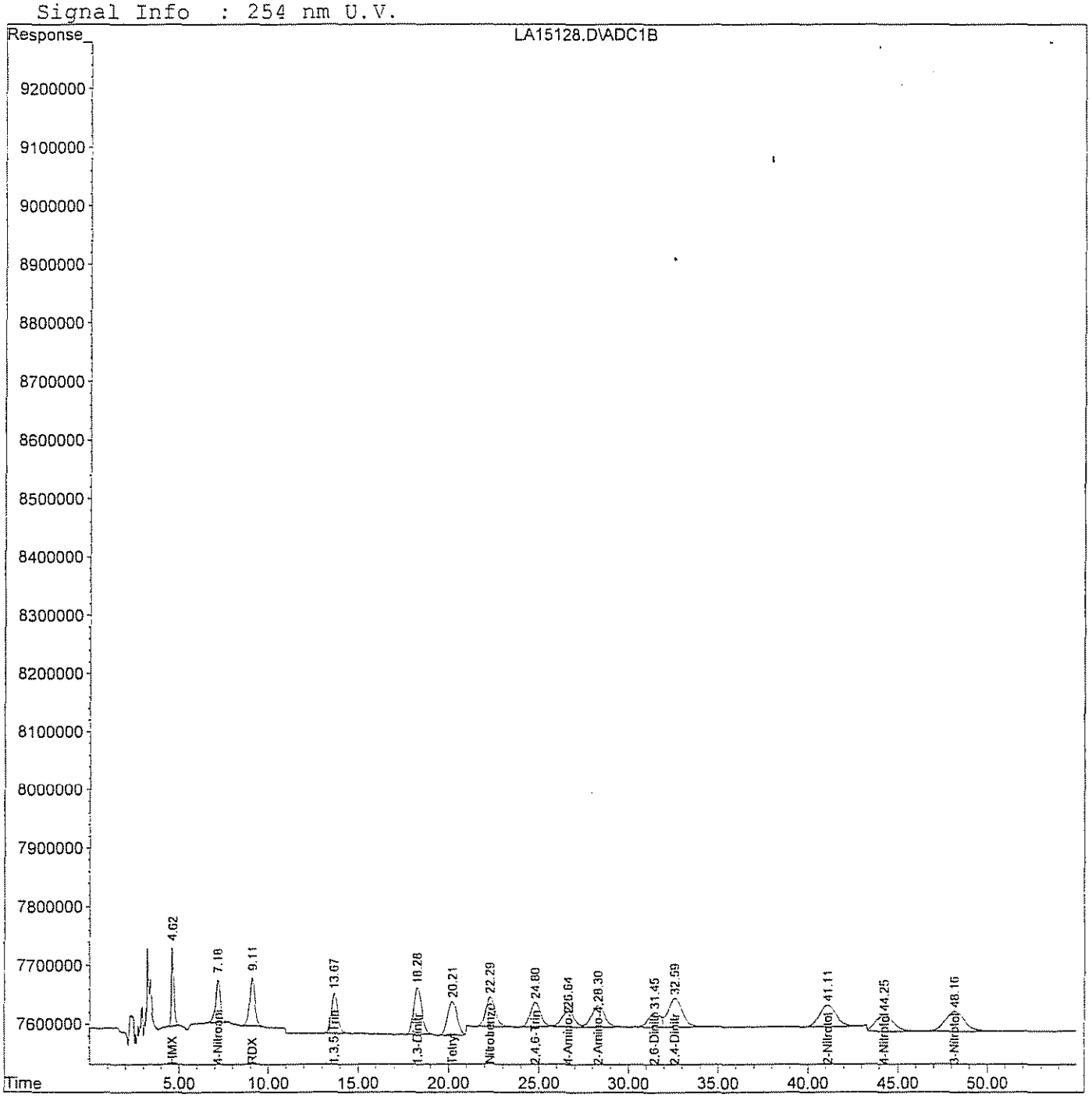


Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15128.D Vial: 3
Acq On : 24 Jul 2006 9:49 pm Operator: AG
Sample : 8330MIX-LEV2 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:03 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15129.D Vial: 4
Acq On : 24 Jul 2006 10:48 pm Operator: AG
Sample : 8330MIX-LEV3 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:00 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.16	63364344	482.242	ng/mlm
Spiked Amount 300.000 Range 49 - 133 Recovery = 160.75%#						
Target Compounds						
1)	T	HMX	4.61	61156696	492.127	ng/ml
3)	T	1,3,5-Trinitrobenzene	13.68	88528114	252.696	ng/ml
4)	T	Tetryl	20.25	131700327	543.015	ng/ml
5)	T	2,4,6-Trinitrotoluene	24.83	86168690	254.796	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	26.68	59338371	238.850	ng/ml
7)	T	2,6-Dinitrotoluene	31.46	55632704	248.633	ng/ml
8)	T	4-Nitrotoluene	44.16	97333440	473.455	ng/mlm
9)	M	RDX	9.10	82443644	487.480	ng/ml
10)	M	1,3-Dinitrobenzene	18.31	129681991	251.245	ng/ml
11)	M	Nitrobenzene	22.33	91048887	245.068	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	28.31	89996265	250.848	ng/ml
13)	M	2,4-Dinitrotoluene	32.57	130595008	247.190	ng/ml
14)	M	2-Nitrotoluene	41.03	112976058	490.228	ng/ml
15)	M	3-Nitrotoluene	48.07	123794902	478.588	ng/ml

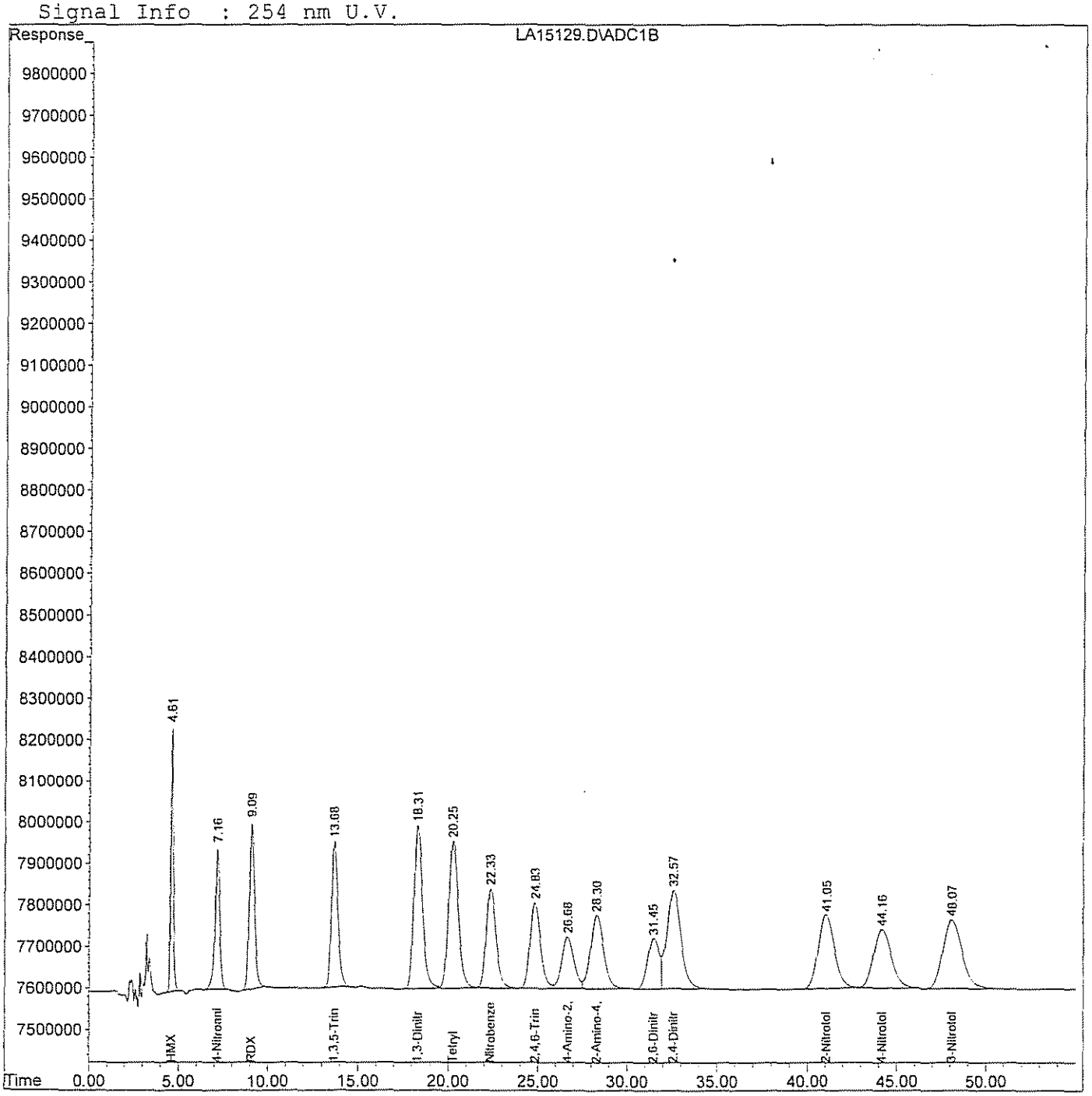
(f)=RT Delta > 1/2 Window

Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15129.D Vial: 4
Acq On : 24 Jul 2006 10:48 pm Operator: AG
Sample : 8330MIX-LEV3 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:00 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15130.D Vial: 5
Acq On : 24 Jul 2006 11:48 pm Operator: AG
Sample : 8330MIX-LEV4 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:00 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.18	126392628	961.925	ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 320.64%#						
Target Compounds						
1)	T	HMX	4.63	119551378	962.028	ng/ml
3)	T	1,3,5-Trinitrobenzene	13.69	175298545	500.374	ng/ml
4)	T	Tetryl	20.25	261744389	1079.201	ng/ml
5)	T	2,4,6-Trinitrotoluene	24.82	169367688	500.811	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	26.68	116836675	470.293	ng/ml
7)	T	2,6-Dinitrotoluene	31.44	108235838	483.727	ng/ml
8)	T	4-Nitrotoluene	44.13	204046526	992.536	ng/ml
9)	M	RDX	9.12	155334981	918.479	ng/ml
10)	M	1,3-Dinitrobenzene	18.31	254134020	492.358	ng/ml
11)	M	Nitrobenzene	22.33	182351687	490.819	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	28.29	177179097	493.854	ng/ml
13)	M	2,4-Dinitrotoluene	32.55	257032275	486.510	ng/ml
14)	M	2-Nitrotoluene	41.00	227330639	986.437	ng/ml
15)	M	3-Nitrotoluene	48.06	251779178	973.372	ng/ml

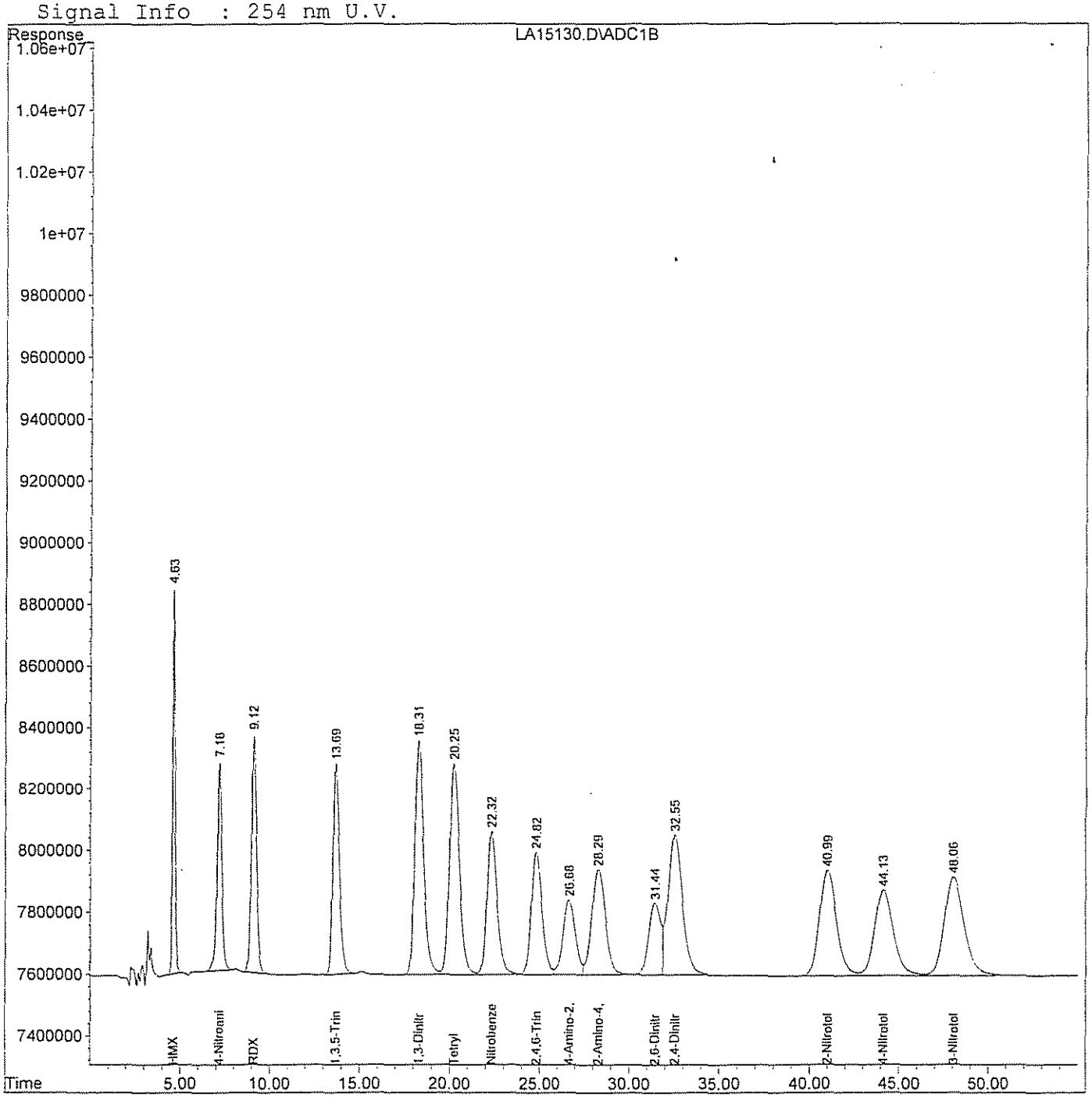
(f)=RT Delta > 1/2 Window

Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15130.D Vial: 5
Acq On : 24 Jul 2006 11:48 pm Operator: AG
Sample : 8330MIX-LEV4 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:00 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15131.D Vial: 6
Acq On : 25 Jul 2006 12:47 am Operator: AG
Sample : 8330MIX-LEV5 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 9:59 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.19	276125577	2101.485	ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 700.50%#						
Target Compounds						
1)	T	HMX	4.63	241558568	1943.817	ng/ml
3)	T	1,3,5-Trinitrobenzene	13.68	353379901	1008.691	ng/ml
4)	T	Tetryl	20.24	526827041	2172.165	ng/ml
5)	T	2,4,6-Trinitrotoluene	24.81	340780189	1007.669	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	26.67	237312925	955.237	ng/ml
7)	T	2,6-Dinitrotoluene	31.43	216162020	966.070	ng/ml
8)	T	4-Nitrotoluene	44.17	405456361	1972.246	ng/ml
9)	M	RDX	9.12	314198319	1857.820	ng/ml
10)	M	1,3-Dinitrobenzene	18.30	511517616	991.011	ng/ml
11)	M	Nitrobenzene	22.32	366851214	987.420	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	28.28	357343068	996.029	ng/ml
13)	M	2,4-Dinitrotoluene	32.54	517664050	979.834	ng/ml
14)	M	2-Nitrotoluene	41.02	458745788	1990.597	ng/ml
15)	M	3-Nitrotoluene	48.11	503189091	1945.317	ng/ml

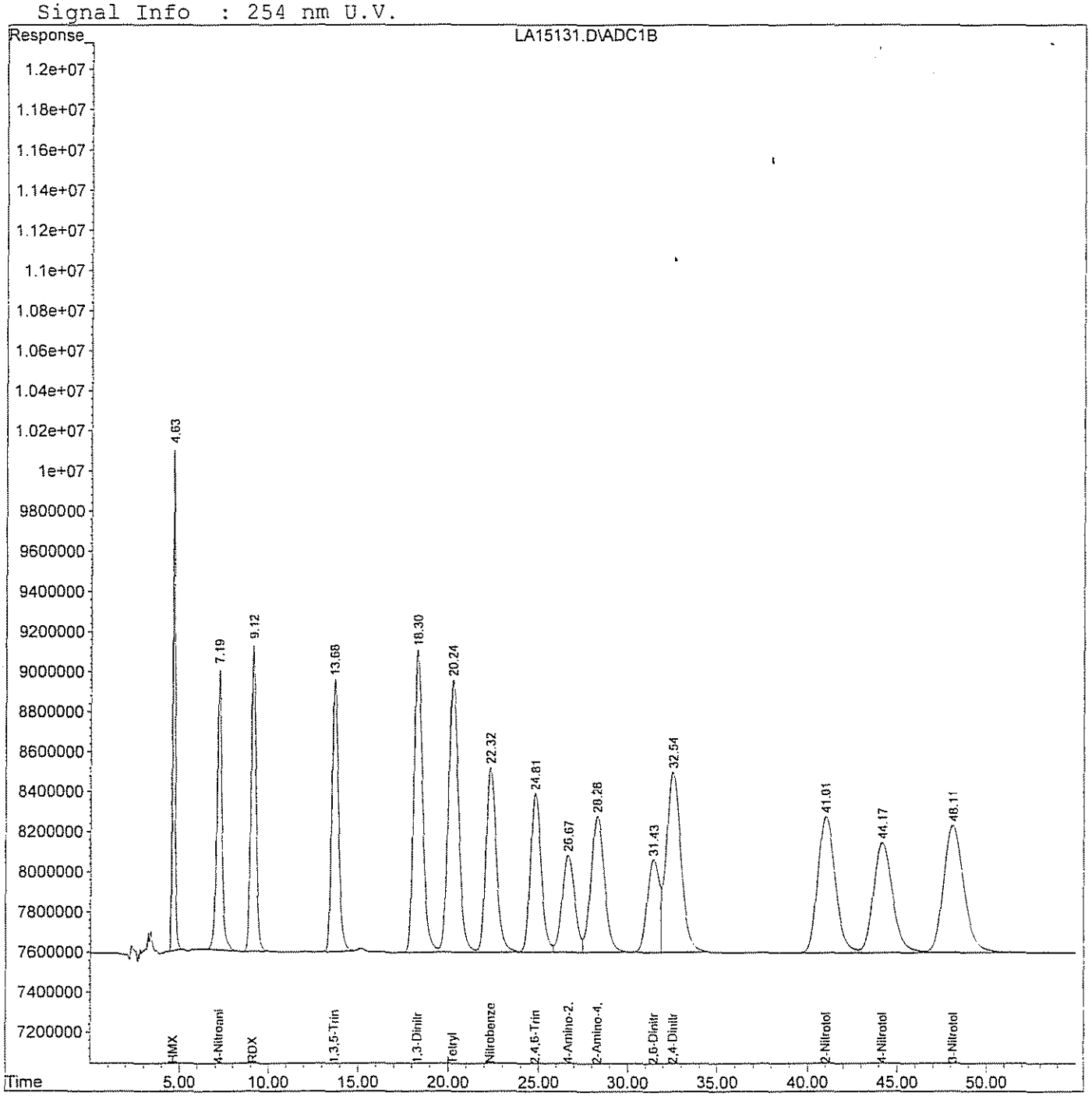
(f)=RT Delta > 1/2 Window
LA15131.D 67258330.M Tue Jul 25 10:21:03 2006 1 Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15131.D Vial: 6
Acq On : 25 Jul 2006 12:47 am Operator: AG
Sample : 8330MIX-LEV5 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 9:59 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15132.D Vial: 7
Acq On : 25 Jul 2006 1:47 am Operator: AG
Sample : 8330MIX-LEV6 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 9:59 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.17	635419184	4835.930	ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 1611.98%#						
Target Compounds						
1)	T	HMX	4.63	591641981	4760.932	ng/ml
3)	T	1,3,5-Trinitrobenzene	13.66	865302677	2469.929	ng/ml
4)	T	Tetryl	20.20	1293186291	5331.948	ng/ml
5)	T	2,4,6-Trinitrotoluene	24.78	830405000	2455.464	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	26.61	576219874	2319.411	ng/ml
7)	T	2,6-Dinitrotoluene	31.41	541546198	2420.275	ng/ml
8)	T	4-Nitrotoluene	44.19	999422431	4861.452	ng/ml
9)	M	RDX	9.10	763573799	4514.927	ng/ml
10)	M	1,3-Dinitrobenzene	18.27	1255087143	2431.598	ng/ml
11)	M	Nitrobenzene	22.28	905197797	2436.437	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	28.23	872628409	2432.293	ng/ml
13)	M	2,4-Dinitrotoluene	32.52	1290636854	2442.916	ng/ml
14)	M	2-Nitrotoluene	41.05	1122871373	4872.381	ng/ml
15)	M	3-Nitrotoluene	48.13	1244879261	4812.673	ng/ml

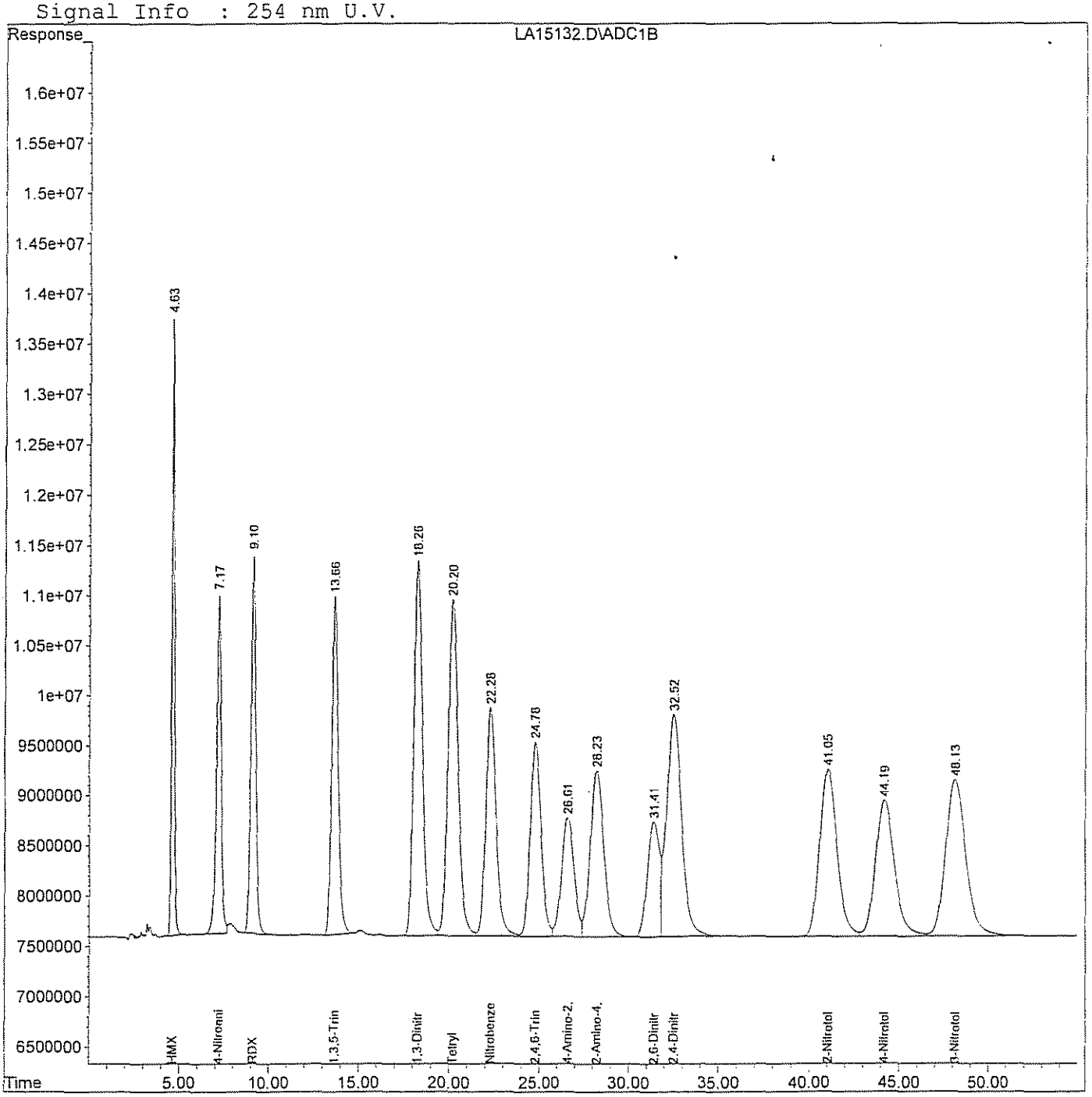
(f)=RT Delta > 1/2 Window
LA15132.D 67258330.M Tue Jul 25 10:21:09 2006 1 Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15132.D Vial: 7
Acq On : 25 Jul 2006 1:47 am Operator: AG
Sample : 8330MIX-LEV6 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 9:59 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15133.D Vial: 8
Acq On : 25 Jul 2006 2:46 am Operator: AG
Sample : 8330MIX-ICV Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:23 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
Target Compounds						
1)	T	HMX	4.64	31709492	257.232	ng/mlm
3)	T	1,3,5-Trinitrobenzene	13.68	79396556	228.787	ng/ml
4)	T	Tetryl	20.22	52172418	211.034	ng/ml
5)	T	2,4,6-Trinitrotoluene	24.79	96941841	283.892	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	26.65	53747201	218.470	ng/mlm
7)	T	2,6-Dinitrotoluene	31.42	57471600	256.701	ng/ml
8)	T	4-Nitrotoluene	44.20	45747798	223.735	ng/ml
9)	M	RDX	9.12	37577803	228.859	ng/ml
10)	M	1,3-Dinitrobenzene	18.29	123884926	240.029	ng/ml
11)	M	Nitrobenzene	22.31	93308511	251.319	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	28.27	81694969	226.351	ng/mlm
13)	M	2,4-Dinitrotoluene	32.54	123928225	233.895	ng/ml
14)	M	2-Nitrotoluene	41.05	53867995	232.972	ng/ml
15)	M	3-Nitrotoluene	48.12	58720340	230.219	ng/ml

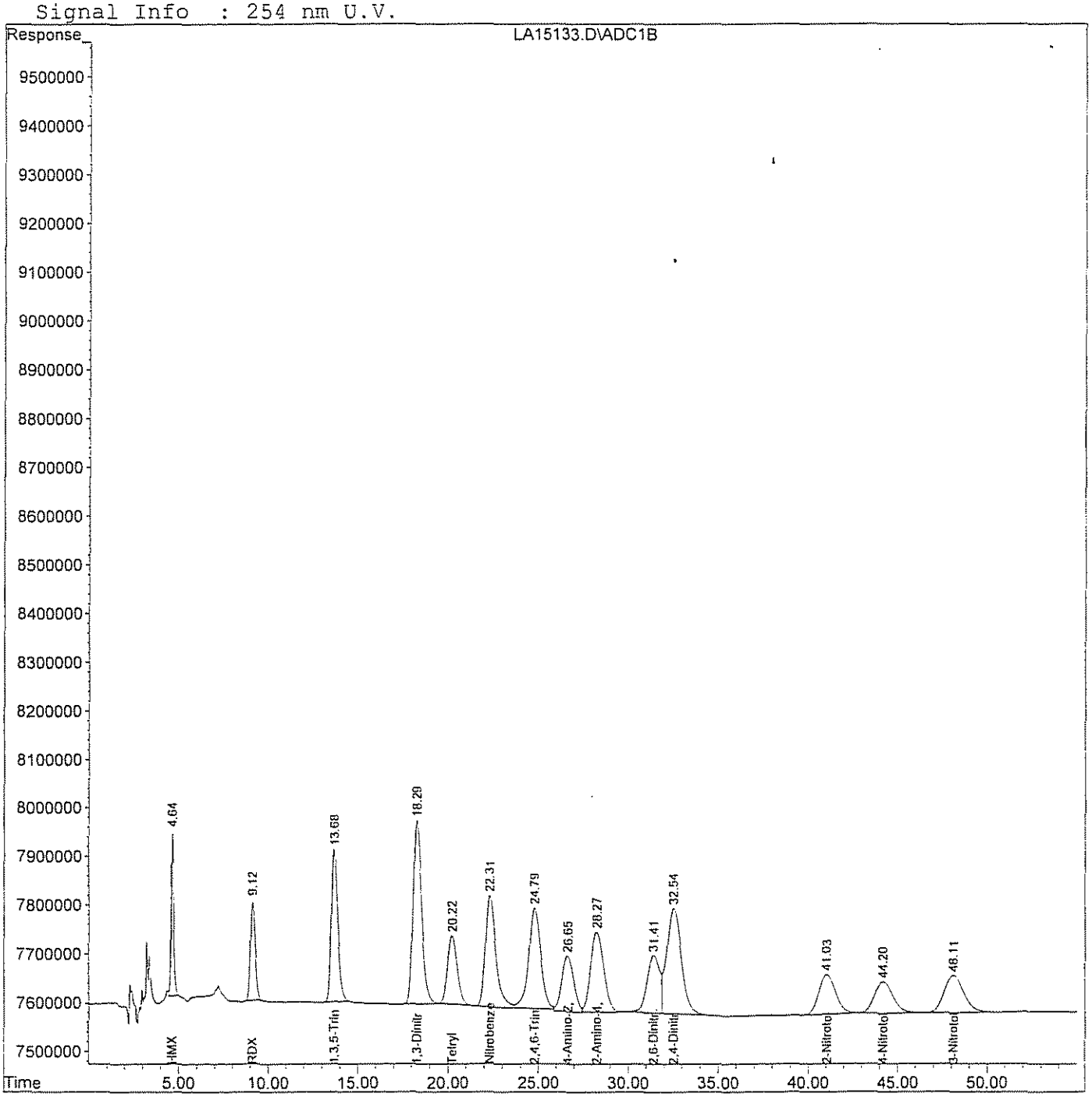
(f)=RT Delta > 1/2 Window

Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15133.D Vial: 8
Acq On : 25 Jul 2006 2:46 am Operator: AG
Sample : 8330MIX-ICV Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:23 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Response Factor Report LCA

Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005

Calibration Files
LEV1 =LA14360.D LEV2 =LA14361.D LEV3 =LA14362.D
LEV4 =LA14363.D LEV5 =LA14364.D

	Compound	LEV1	LEV2	LEV3	LEV4	LEV5	Avg	%RSD
1) S	4-NITROANILINE	1.449	1.256	1.170	1.118	1.136	1.226 E5	11.05
2) M	NITROGLYCERINE	1.594	1.775	1.828	1.696	1.909	1.760 E6	6.88

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\060706\LA14359.D Vial: 1
Acq On : 7 Jun 2006 11:49 Operator: SS
Sample : 8330NG-BLK Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:55 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 4-NITROANILINE	0.00	0	N.D.	PPB
Spiked Amount 300.000		Recovery =	0.00%	
Target Compounds				
2) M NITROGLYCERINE	0.00	0	N.D.	PPM

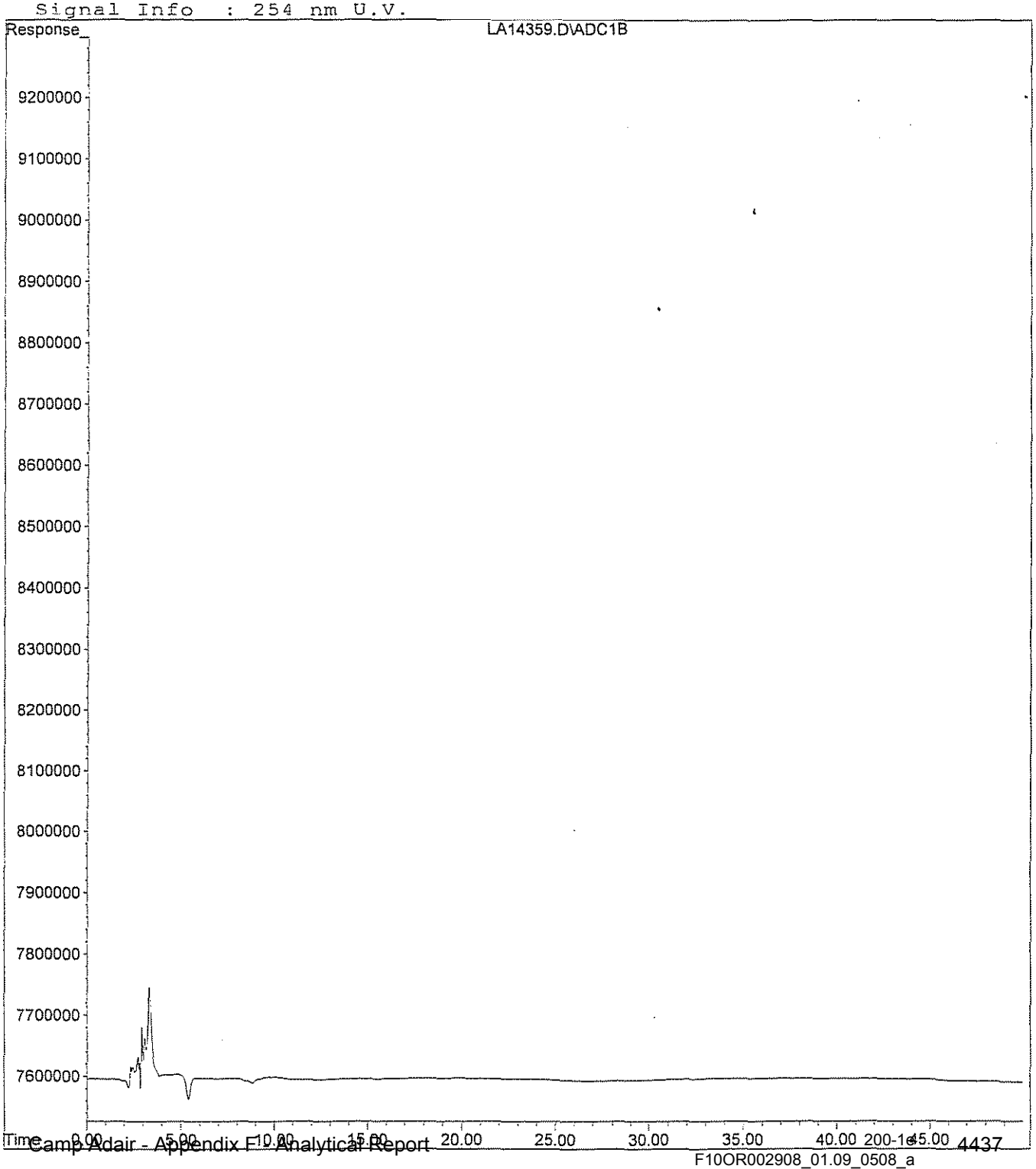
(f)=RT Delta > 1/2 Window (m)=manual int.
LA14359.D 60607NG.M Thu Jun 08 10:11:00 2006 Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\060706\LA14359.D Vial: 1
Acq On : 7 Jun 2006 11:49 Operator: SS
Sample : 8330NG-BLK Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:55 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\060706\LA14360.D Vial: 2
Acq On : 7 Jun 2006 12:44 Operator: SS
Sample : 8330NG- LEV 1 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:56 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	6.99	3622306	27.379 PPB m
Spiked Amount 300.000		Recovery =	9.13%
Target Compounds			
2) M NITROGLYCERINE	21.44	1593800	0.897 PPM m

(f)=RT Delta > 1/2 Window (m)=manual int.
LA14360.D 60607NG.M Thu Jun 08 10:11:02 2006 Page 1

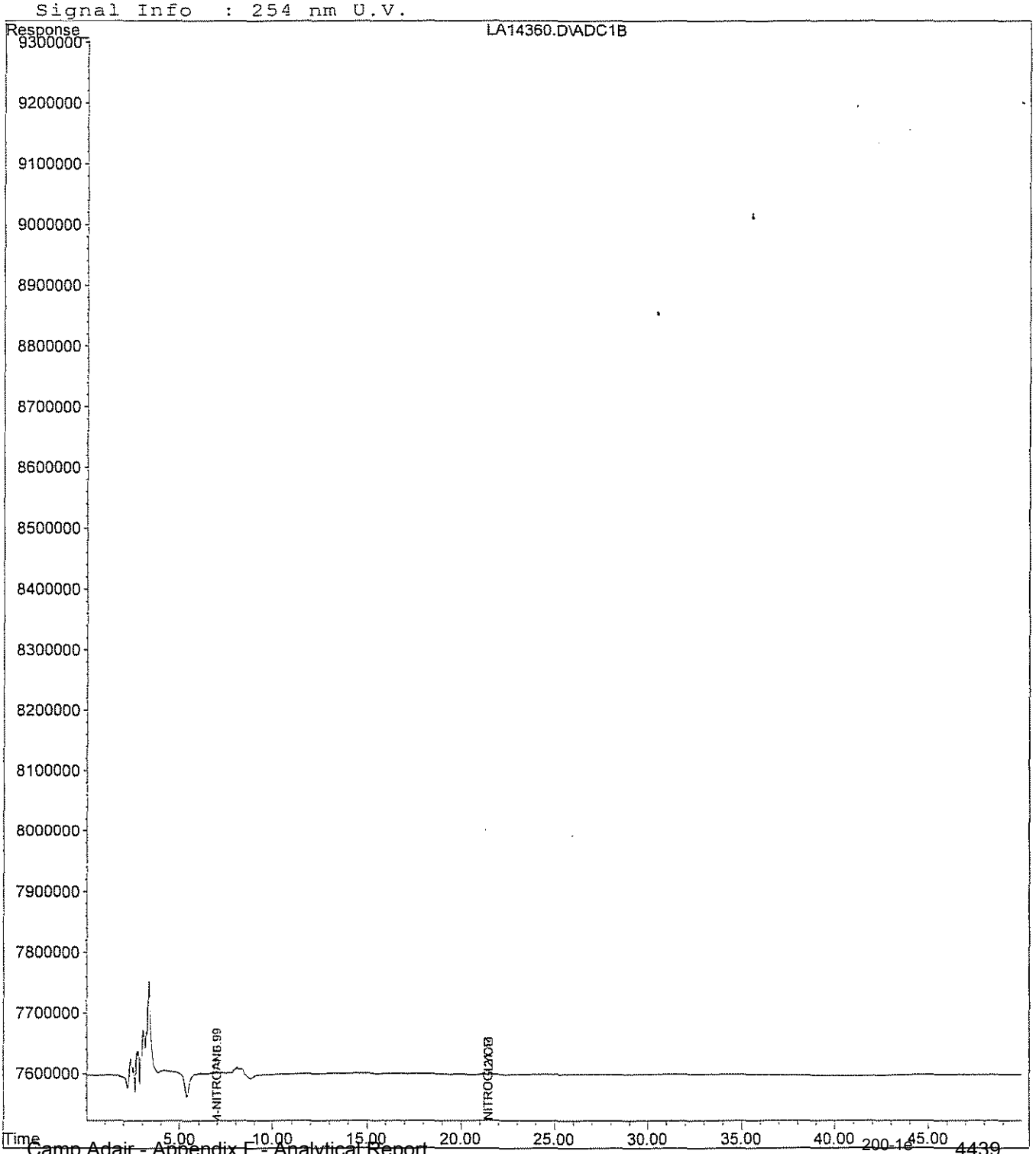
Quantitation Report

Data File : H:\LCDATA\LCA\060706\LA14360.D
Acq On : 7 Jun 2006 12:44
Sample : 8330NG- LEV 1
Misc : C CAL
IntFile : events.e
Quant Time: Jun 8 9:56 2006 Quant Results File: 60607NG.RES

Vial: 2
Operator: SS
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\060706\LA14361.D Vial: 3
Acq On : 7 Jun 2006 13:38 Operator: SS
Sample : 8330NG- LEV 2 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:56 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	6.97	15700448	116.384 PPB
Spiked Amount 300.000		Recovery =	38.79%
Target Compounds			
2) M NITROGLYCERINE	21.44	8873539	5.090 PPM m

(f)=RT Delta > 1/2 Window (m)=manual int.
LA14361.D 60607NG.M Thu Jun 08 10:11:05 2006 Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15128.D Vial: 3
Acq On : 24 Jul 2006 9:49 pm Operator: AG
Sample : 8330MIX-LEV2 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:03 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.18	13976739	106.372	ng/mlm
Spiked Amount 300.000 Range 49 - 133 Recovery = 35.46%#						
Target Compounds						
1)	T	HMX	4.62	12903421	103.834	ng/mlm
3)	T	1,3,5-Trinitrobenzene	13.67	17096793	48.801	ng/mlm
4)	T	Tetryl	20.21	20756774	85.582	ng/mlm
5)	T	2,4,6-Trinitrotoluene	24.80	17080026	50.505	ng/mlm
6)	T	4-Amino-2,6-Dinitrotoluene	26.64	13384172	53.874	ng/mlm
7)	T	2,6-Dinitrotoluene	31.45	11762789	52.570	ng/mlm
8)	T	4-Nitrotoluene	44.25	19070917	92.766	ng/mlm
9)	M	RDX	9.11	17308792	102.345	ng/mlm
10)	M	1,3-Dinitrobenzene	18.28	25328885	49.072	ng/ml
11)	M	Nitrobenzene	22.29	18714119	50.371	ng/mlm
12)	M	2-Amino-4,6-Dinitrotoluene	28.30	18886865	52.644	ng/mlm
13)	M	2,4-Dinitrotoluene	32.59	27386035	51.836	ng/mlm
14)	M	2-Nitrotoluene	41.11	24140767	104.752	ng/mlm
15)	M	3-Nitrotoluene	48.16	26455039	102.275	ng/mlm

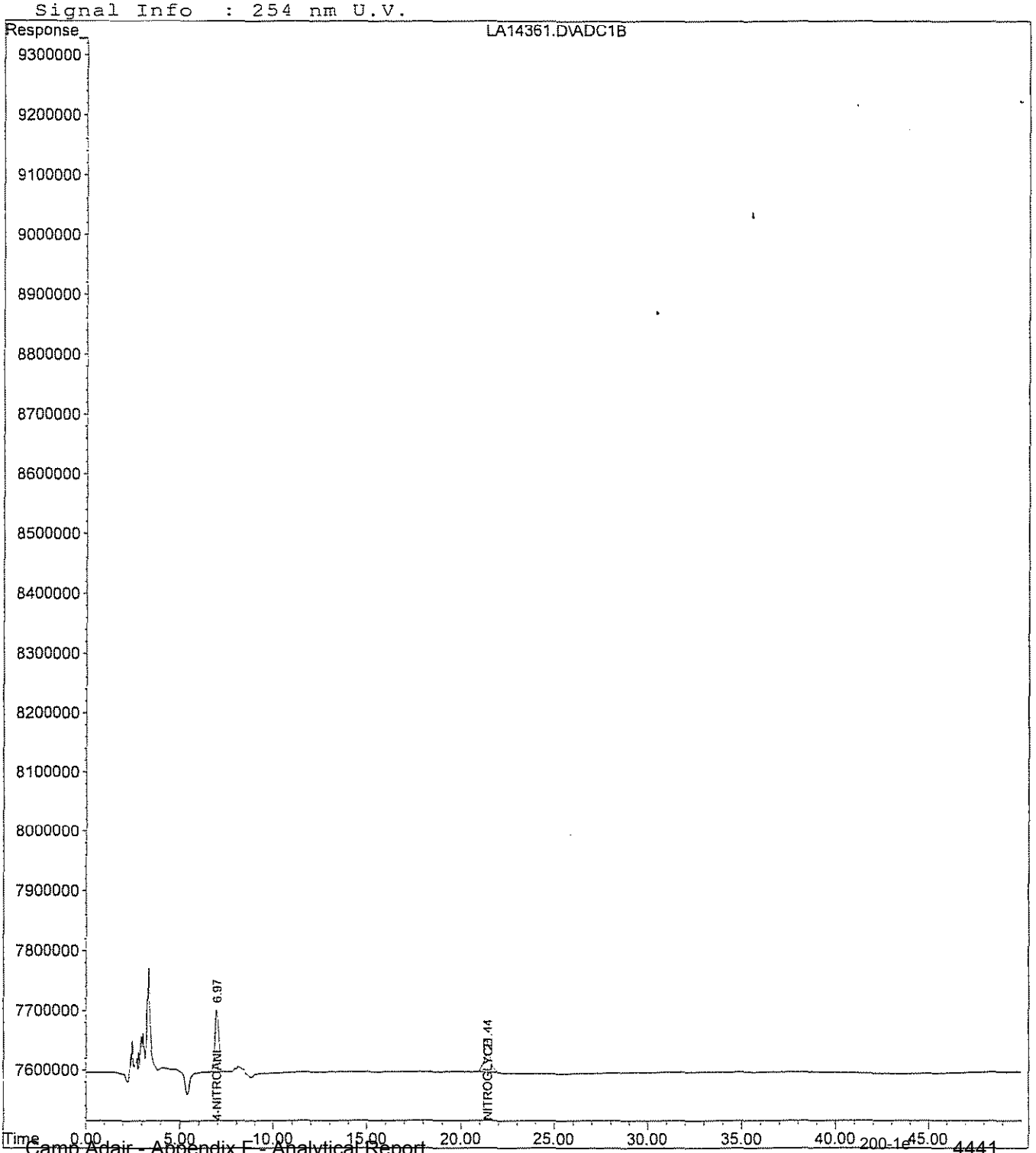
(f)=RT Delta > 1/2 Window

Quantitation Report

Data File : H:\LCDATA\LCA\060706\LA14361.D Vial: 3
Acq On : 7 Jun 2006 13:38 Operator: SS
Sample : 8330NG- LEV 2 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:56 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\060706\LA14362.D Vial: 4
Acq On : 7 Jun 2006 14:33 Operator: SS
Sample : 8330NG- LEV 3 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:54 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	6.97	29257975	211.980 PPB
Spiked Amount 300.000		Recovery =	70.66%
Target Compounds			
2) M NITROGLYCERINE	21.42	18282386	10.307 PPM

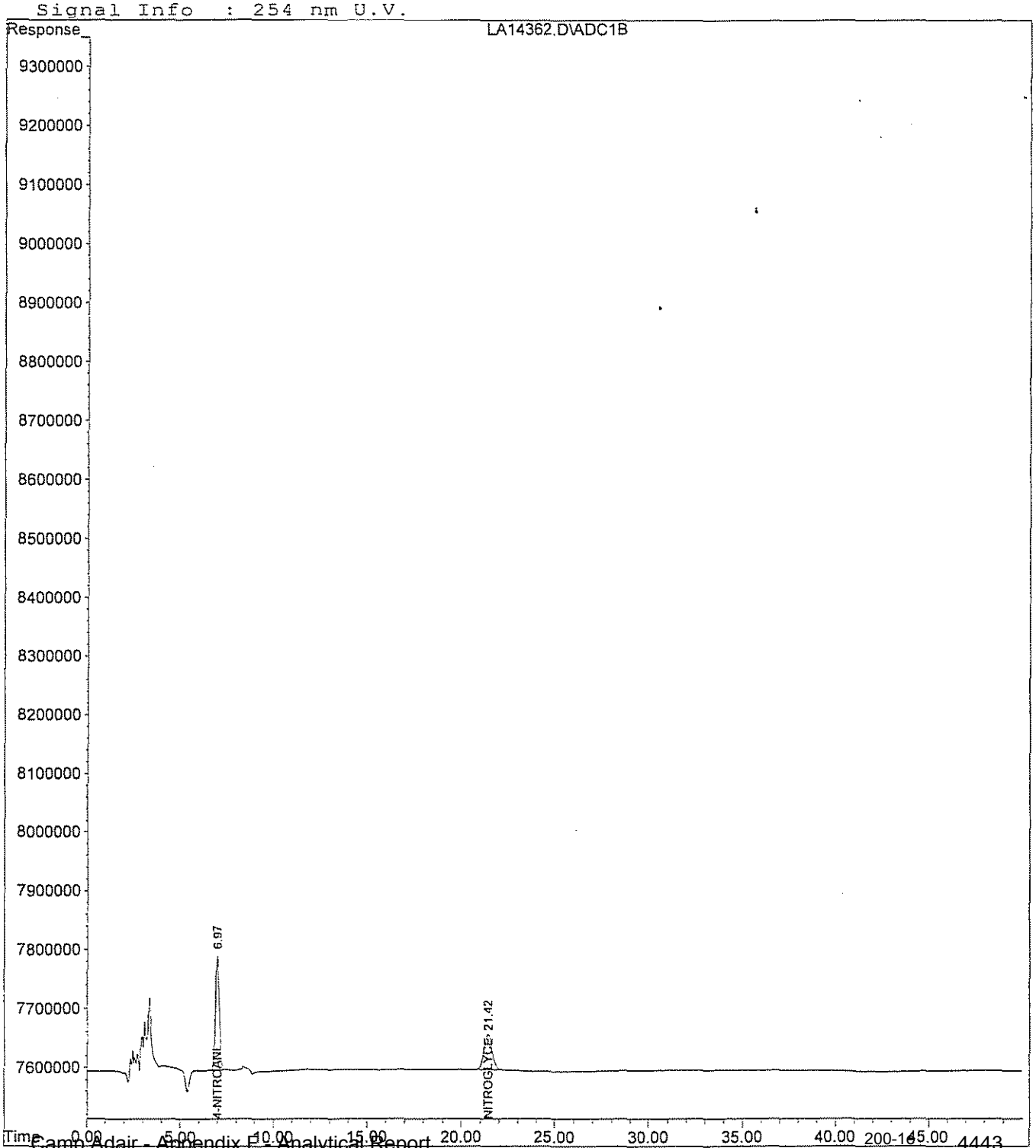
(f)=RT Delta > 1/2 Window (m)=manual int.
LA14362.D 60607NG.M Thu Jun 08 10:11:08 2006 Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\060706\LA14362.D Vial: 4
Acq On : 7 Jun 2006 14:33 Operator: SS
Sample : 8330NG- LEV 3 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:54 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\060706\LA14363.D Vial: 5
Acq On : 7 Jun 2006 15:27 Operator: SS
Sample : 8330NG- LEV 4 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:56 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	6.98	55922720	423.669 PPB
Spiked Amount 300.000		Recovery =	141.22%
Target Compounds			
2) M NITROGLYCERINE	21.41	33914195	19.489 PPM

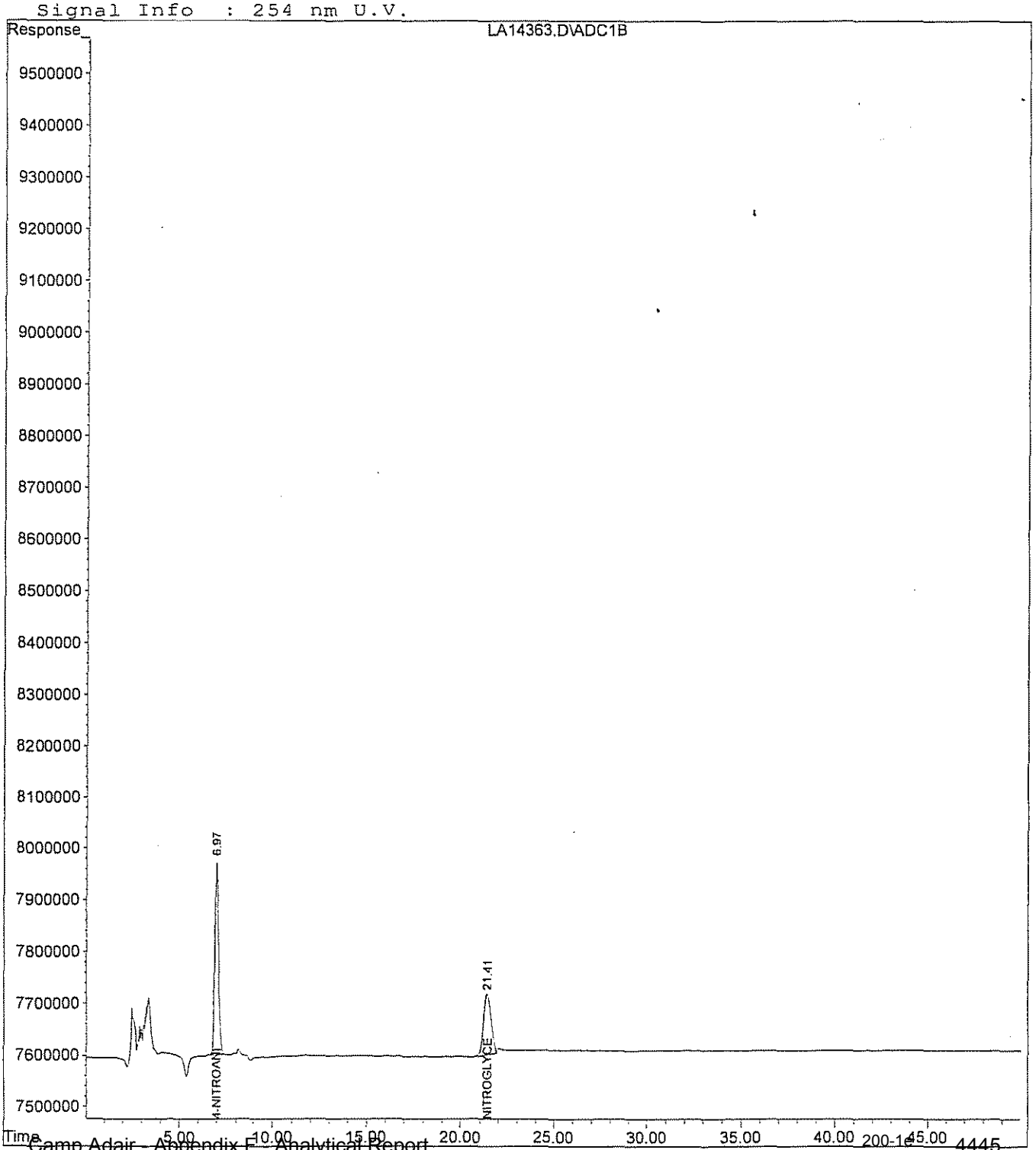
(f)=RT Delta > 1/2 Window (m)=manual int.
LA14363.D 60607NG.M Thu Jun 08 10:11:10 2006 Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\060706\LA14363.D Vial: 5
Acq On : 7 Jun 2006 15:27 Operator: SS
Sample : 8330NG- LEV 4 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:56 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\060706\LA14364.D Vial: 6
Acq On : 7 Jun 2006 17:31 Operator: SS
Sample : 8330NG- LEV 5 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:57 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	6.97	141957833	1116.848 PPB
Spiked Amount 300.000		Recovery =	372.28%
Target Compounds			
2) M NITROGLYCERINE	21.39	95433920	55.439 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.
LA14364.D 60607NG.M Thu Jun 08 10:11:13 2006 Page 1

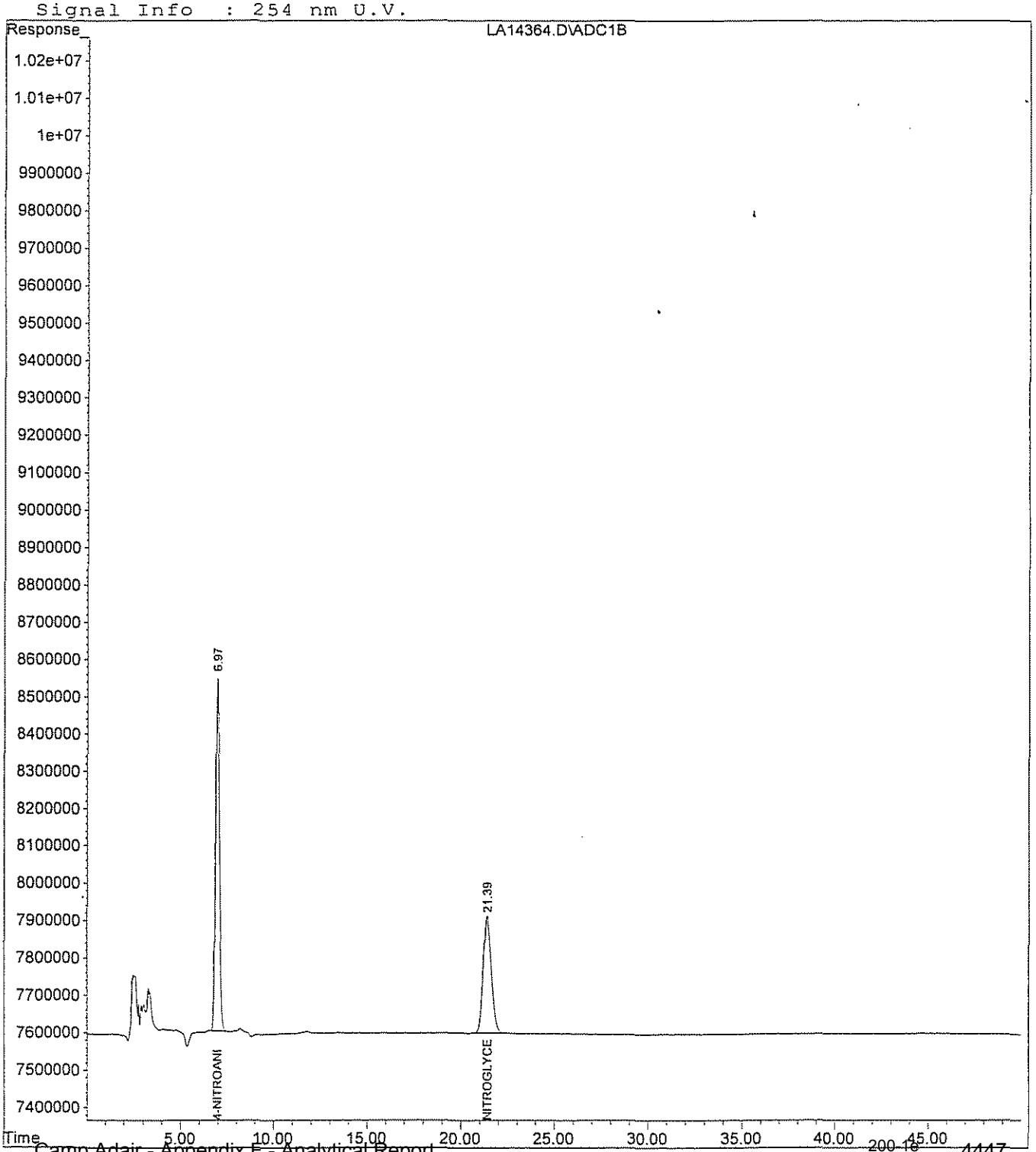
Quantitation Report

Data File : H:\LCDATA\LCA\060706\LA14364.D
Acq On : 7 Jun 2006 17:31
Sample : 8330NG- LEV 5
Misc : C CAL
IntFile : events.e
Quant Time: Jun 8 9:57 2006 Quant Results File: 60607NG.RES

Vial: 6
Operator: SS
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\060706\LA14365.D Vial: 7
Acq On : 7 Jun 2006 18:26 Operator: SS
Sample : 8330NG- ICV Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:58 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	6.98	28759051	234.599	PPB	m
Spiked Amount 300.000		Recovery =	78.20%		
Target Compounds					
2) M NITROGLYCERINE	21.41	18939480	10.760	PPM	

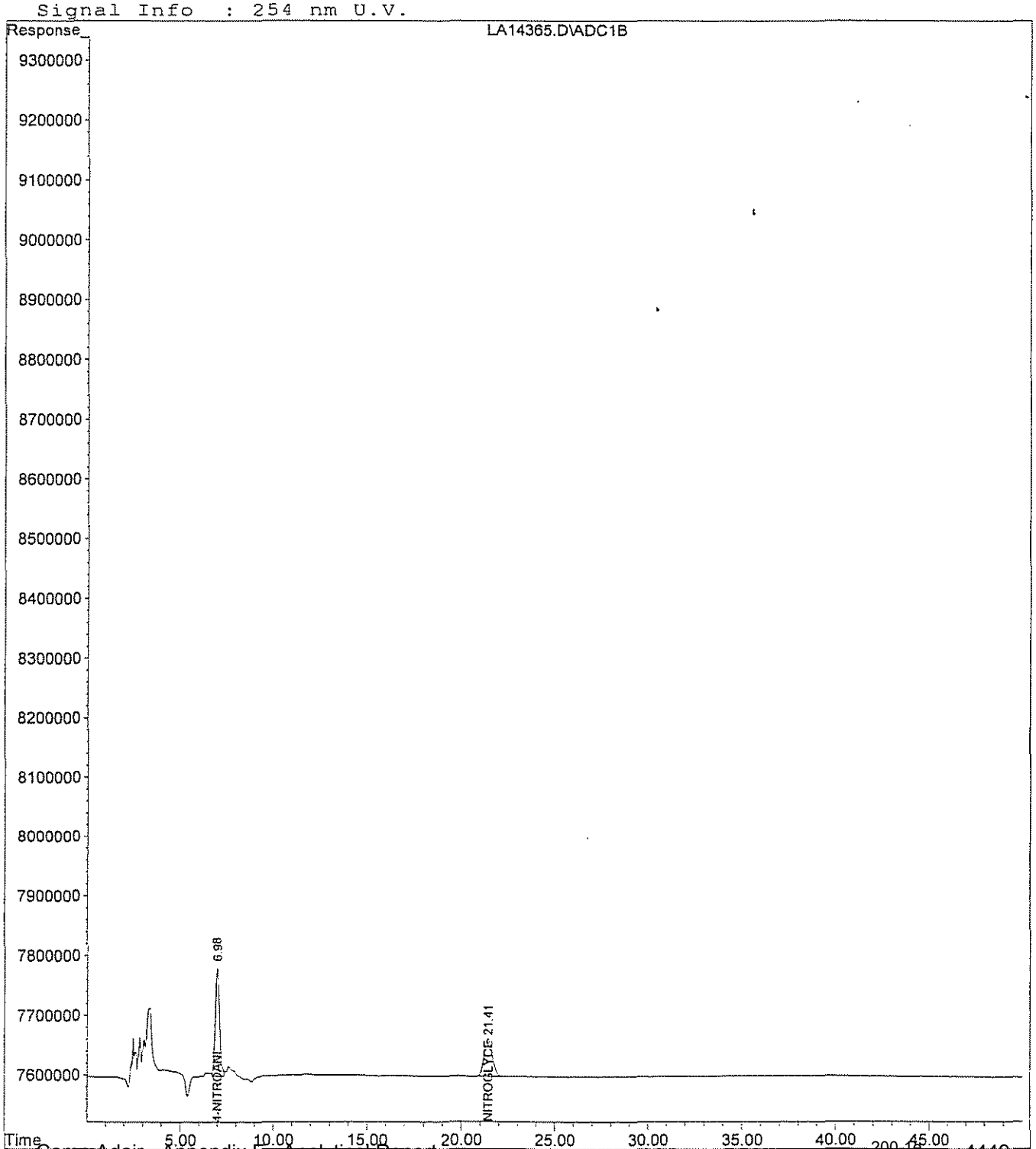
(f)=RT Delta > 1/2 Window (m)=manual int.
LA14365.D 60607NG.M Thu Jun 08 10:11:16 2006 Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\060706\LA14365.D Vial: 7
Acq On : 7 Jun 2006 18:26 Operator: SS
Sample : 8330NG- ICV Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:58 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Response Factor Report LCD

Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:56:00 2006

Calibration Files
LEV1 =LCD30911.D LEV2 =LCD30912.D LEV3 =LCD30913.D
LEV4 =LCD30914.D LEV5 =LCD30915.D LEV6 =LCD30916.D

		Compound	LEV1	LEV2	LEV3	LEV4	LEV5	LEV6	Avg		%RSD
1)	T	HMX	1.118	1.296	1.257	1.257	1.254	1.253	1.239	E5	4.98
2)	S	4-Nitroaniline	1.238	1.143	1.174	1.170	1.172	1.185	1.180	E5	2.66
3)	T	1,3,5-Trinitrobenze	3.568	3.416	3.403	3.387	3.415	3.437	3.438	E5	1.92
4)	T	Tetryl	1.923	2.115	2.340	2.407	2.467	2.485	2.290	E5	9.78
5)	T	2,4,6-Trinitrotolue	2.661	2.692	3.164	3.171	3.191	3.193	3.012	E5	8.64
6)	T	4-Amino-2,6-Dinitro	5.496	5.441	5.503	5.490	5.503	5.530	5.494	E5	0.53
7)	T	2,6-Dinitrotoluene	2.363	2.320	2.334	2.326	2.329	2.347	2.336	E5	0.68
8)	T	4-Nitrotoluene	2.268	2.144	2.142	2.128	2.140	2.166	2.165	E5	2.41
9)	M	RDX	1.736	1.585	1.591	1.586	1.585	1.588	1.612	E5	3.77
10)	M	1,3-Dinitrobenzene	5.157	4.775	4.799	4.763	4.811	4.834	4.857	E5	3.07
11)	M	Nitrobenzene	3.234	3.160	3.139	3.126	3.141	3.145	3.158	E5	1.24
12)	M	2-Amino-4,6-Dinitro	5.251	5.441	5.503	5.490	5.503	5.530	5.453	E5	1.89
13)	M	2,4-Dinitrotoluene	4.610	4.512	4.493	4.477	4.497	4.521	4.518	E5	1.05
14)	M	2-Nitrotoluene	1.915	1.989	2.005	1.994	2.007	2.021	1.989	E5	1.90
15)	M	3-Nitrotoluene	1.355	1.700	1.706	1.696	1.708	1.721	1.648	E5	8.72

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : J:\LCDATA\LCD\052506\LCD30910.D Vial: 1
Acq On : 25 May 2006 18:22 Operator: SS
Sample : 8330MIX-BLK Inst : LCD
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 26 15:54 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds

Target Compounds

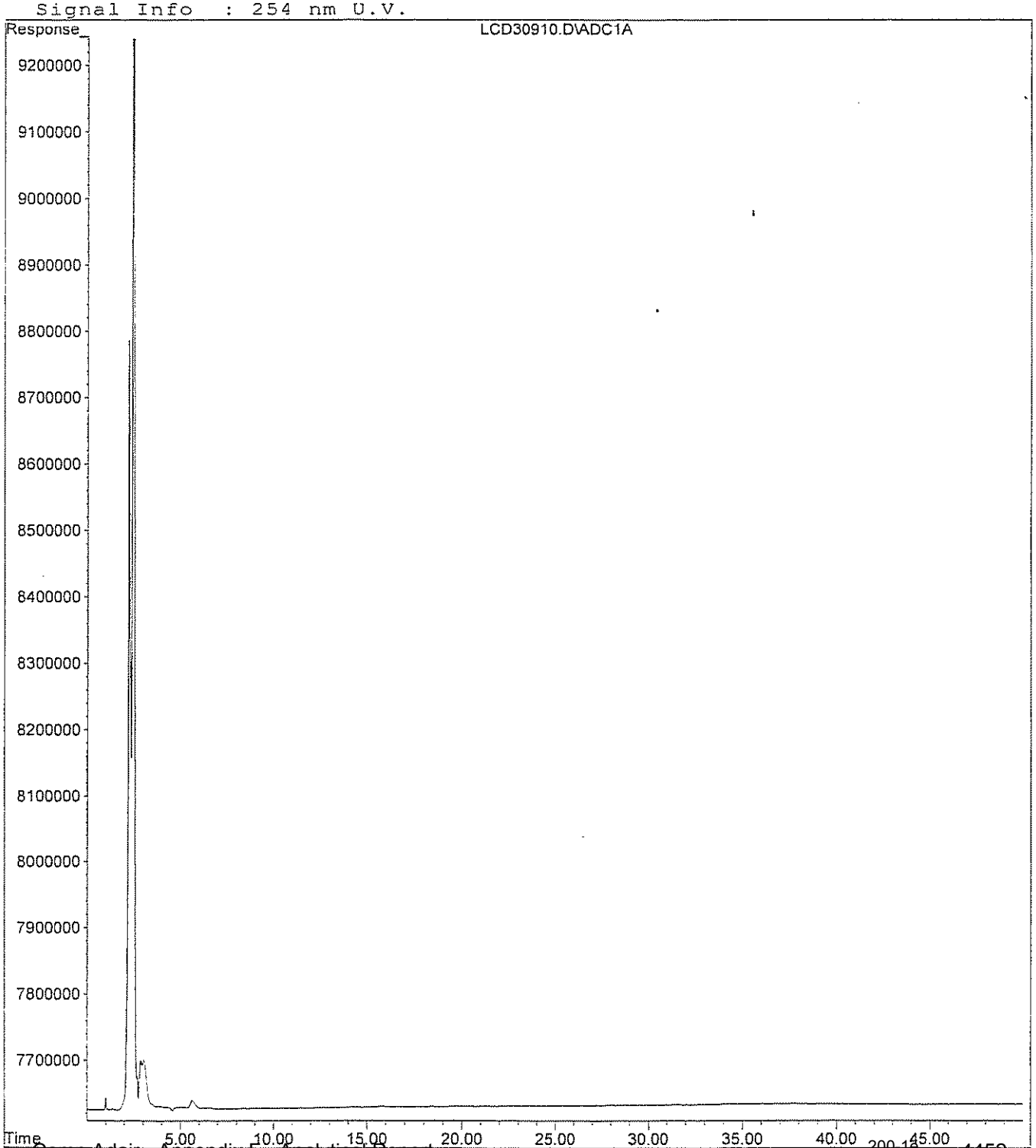
(f)=RT Delta > 1/2 Window (m)=manual int.
LCD30910.D 6525CON.M Fri May 26 15:58:44 2006 A Page 1

Quantitation Report

Data File : J:\LCDATA\LCD\052506\LCD30910.D Vial: 1
Acq On : 25 May 2006 18:22 Operator: SS
Sample : 8330MIX-BLK Inst : LCD
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 26 15:54 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : J:\LCDATA\LCD\052506\LCD30911.D Vial: 2
Acq On : 25 May 2006 19:16 Operator: SS
Sample : 8330MIX-LEV 1 Inst : LCD
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 26 15:52 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
2)	S	4-Nitroaniline	8.37	1237859	10.513 ng/mlm
Spiked Amount 300.000 Range 49 - 133 Recovery = 3.50%#					
Target Compounds					
1)	T	HMX	14.80	1117964	9.029 ng/mlm
3)	T	1,3,5-Trinitrobenzene	27.97f	1783969	5.350 ng/mlm
4)	T	Tetryl	41.71f	1923391	8.501 ng/mlm
5)	T	2,4,6-Trinitrotoluene	38.61	1330641	4.463 ng/mlm
6)	T	4-Amino-2,6-Dinitrotoluene	18.65	2747763	5.026 ng/mlm
7)	T	2,6-Dinitrotoluene	23.35	1181308	5.051 ng/mlm
8)	T	4-Nitrotoluene	20.56	2268166	10.561 ng/mlm
9)	M	RDX	12.15	1735812	10.843 ng/mlm
10)	M	1,3-Dinitrobenzene	17.70	2578261	5.349 ng/mlm
11)	M	Nitrobenzene	13.77	1617146	5.136 ng/mlm
12)	M	2-Amino-4,6-Dinitrotoluene	18.65	2625624	4.810 ng/mlm
13)	M	2,4-Dinitrotoluene	24.84	2305011	5.179 ng/mlm
14)	M	2-Nitrotoluene	19.17	1914988	9.445 ng/mlm
15)	M	3-Nitrotoluene	19.77	1354951	8.331 ng/mlm

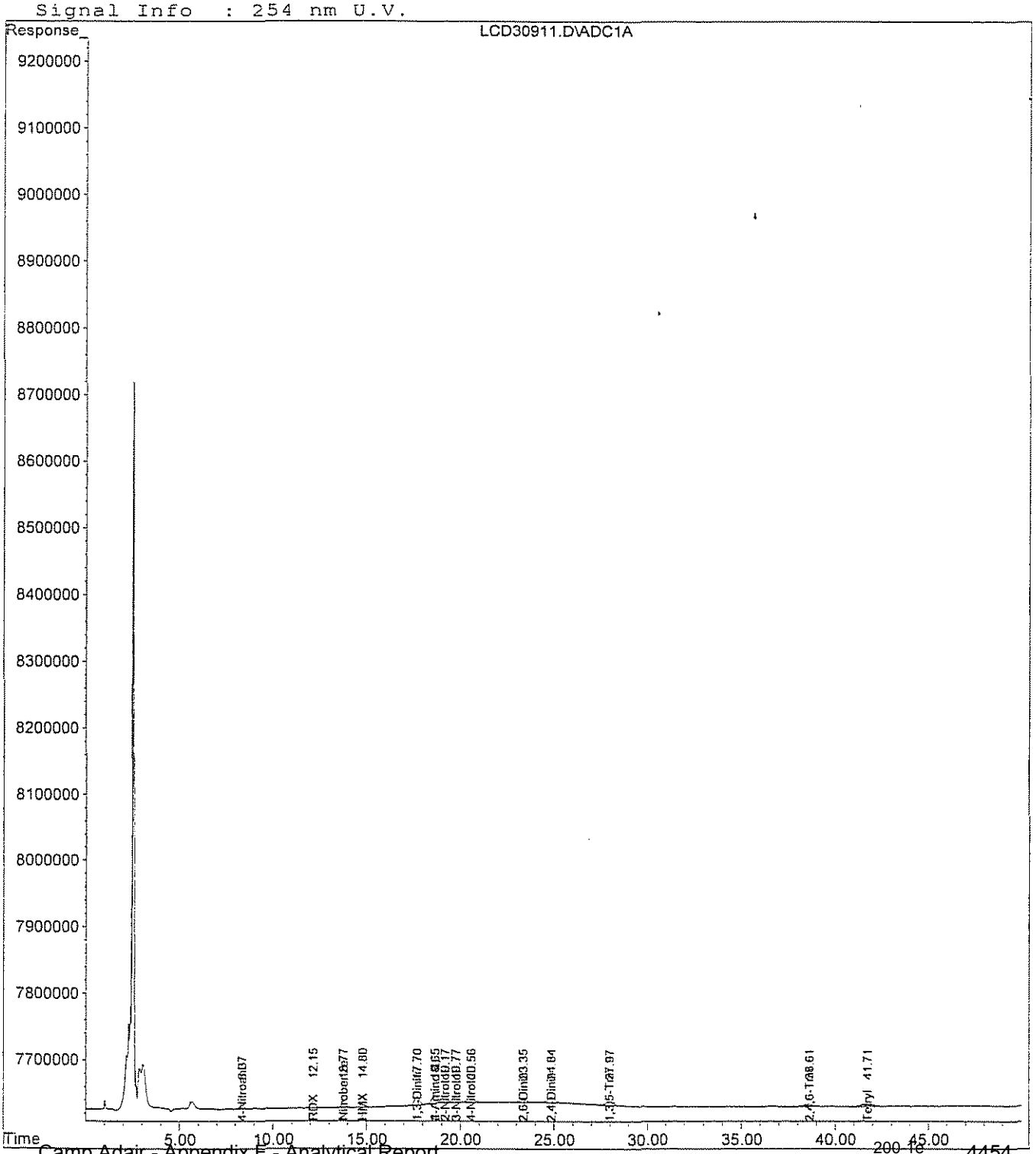
(f)=RT Delta > 1/2 Window (m)=manual int.
LCD30911.D 6525CON.M Fri May 26 15:57:06 2006 A Page 1

Quantitation Report

Data File : J:\LCDATA\LCD\052506\LCD30911.D Vial: 2
Acq On : 25 May 2006 19:16 Operator: SS
Sample : 8330MIX-LEV 1 Inst : LCD
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 26 15:52 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : J:\LCDATA\LCD\052506\LCD30912.D Vial: 3
Acq On : 25 May 2006 20:11 Operator: SS
Sample : 8330MIX-LEV 2 Inst : LCD
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 26 15:33 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
2)	S	4-Nitroaniline	8.37	11434961	97.116 ng/ml
Spiked Amount		300.000	Range 49 - 133	Recovery =	32.37%#
Target Compounds					
1)	T	HMX	14.82	12964524	104.708 ng/ml
3)	T	1,3,5-Trinitrobenzene	28.07	17080528	51.222 ng/ml
4)	T	Tetryl	41.74	21146749	93.460 ng/ml
5)	T	2,4,6-Trinitrotoluene	38.64	13460037	45.149 ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	18.68	27206540	49.760 ng/ml
7)	T	2,6-Dinitrotoluene	23.44	11599874	49.601 ng/ml
8)	T	4-Nitrotoluene	20.62	21436419	99.809 ng/ml
9)	M	RDX	12.14	15850673	99.010 ng/ml
10)	M	1,3-Dinitrobenzene	17.73	23875961	49.539 ng/ml
11)	M	Nitrobenzene	13.78	15797526	50.175 ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	18.68	27206540	49.846 ng/ml
13)	M	2,4-Dinitrotoluene	24.93	22562031	50.696 ng/ml
14)	M	2-Nitrotoluene	19.19	19891075	98.108 ng/ml
15)	M	3-Nitrotoluene	19.78	16995839	104.496 ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

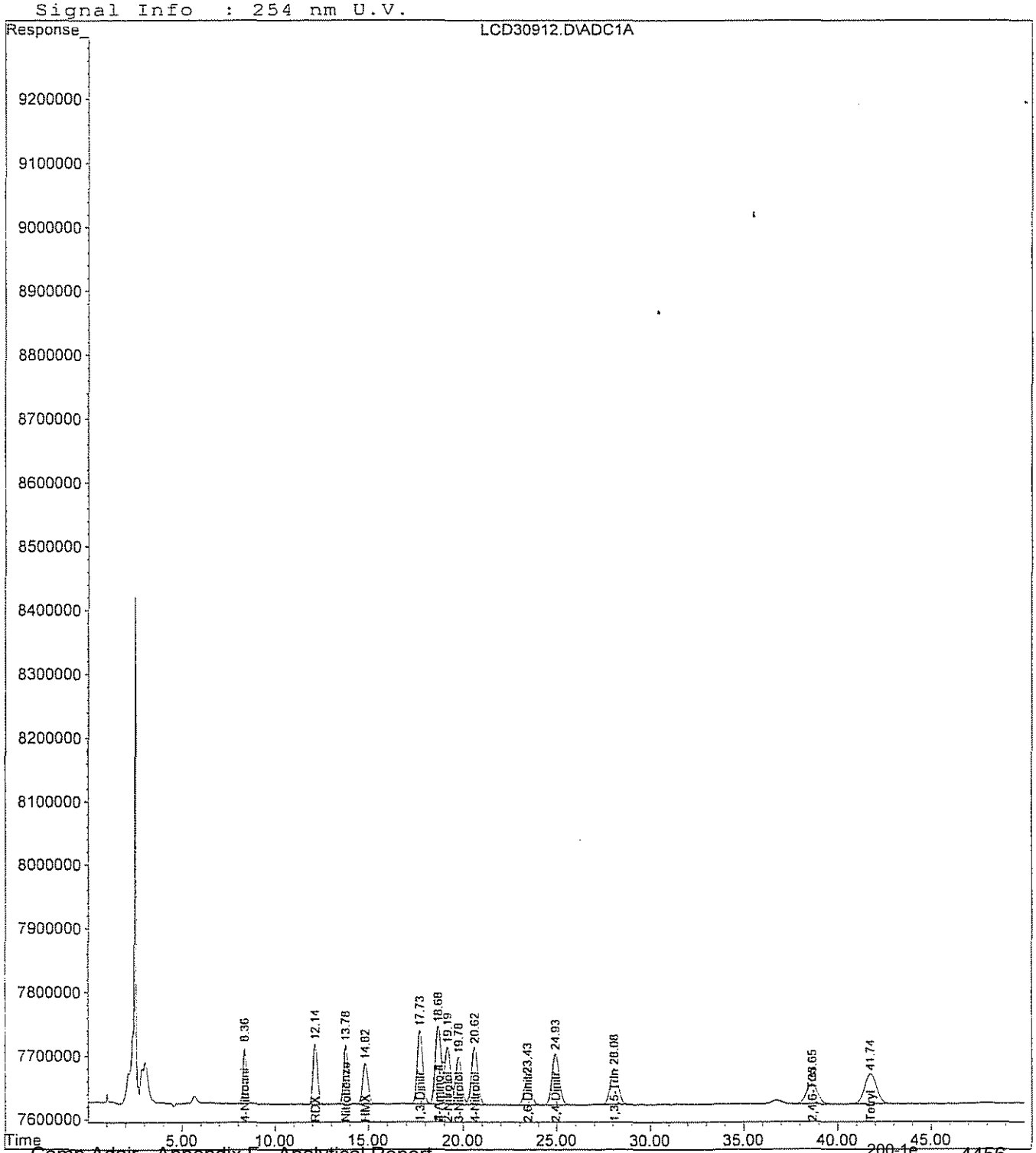
Quantitation Report

Data File : J:\LCDATA\LCD\052506\LCD30912.D
Acq On : 25 May 2006 20:11
Sample : 8330MIX-LEV 2
Misc : C CAL
IntFile : events.e
Quant Time: May 26 15:33 2006 Quant Results File: 6525CON.RES

Vial: 3
Operator: SS
Inst : LCD
Multiplr: 1.00

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : J:\LCDATA\LCD\052506\LCD30913.D Vial: 4
Acq On : 25 May 2006 21:05 Operator: SS
Sample : 8330MIX-LEV 3 Inst : LCD
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 26 15:33 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	8.37	58687329	498.425	ng/ml
Spiked Amount		300.000	Range 49 - 133	Recovery	= 166.14%#	
Target Compounds						
1)	T	HMX	14.83	62832912	507.468	ng/ml
3)	T	1,3,5-Trinitrobenzene	28.02	85082985	255.150	ng/ml
4)	T	Tetryl	41.68	117024847	517.204	ng/ml
5)	T	2,4,6-Trinitrotoluene	38.57	79105647	265.347	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	18.67	137567731	251.609	ng/ml
7)	T	2,6-Dinitrotoluene	23.41	58338206	249.454	ng/ml
8)	T	4-Nitrotoluene	20.60	107076454	498.553	ng/ml
9)	M	RDX	12.15	79526297	496.756	ng/ml
10)	M	1,3-Dinitrobenzene	17.72	119974871	248.929	ng/ml
11)	M	Nitrobenzene	13.78	78486920	249.284	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	18.67	137567731	252.041	ng/ml
13)	M	2,4-Dinitrotoluene	24.90	112327318	252.395	ng/ml
14)	M	2-Nitrotoluene	19.17	100257474	494.497	ng/ml
15)	M	3-Nitrotoluene	19.76	85284363	524.354	ng/ml

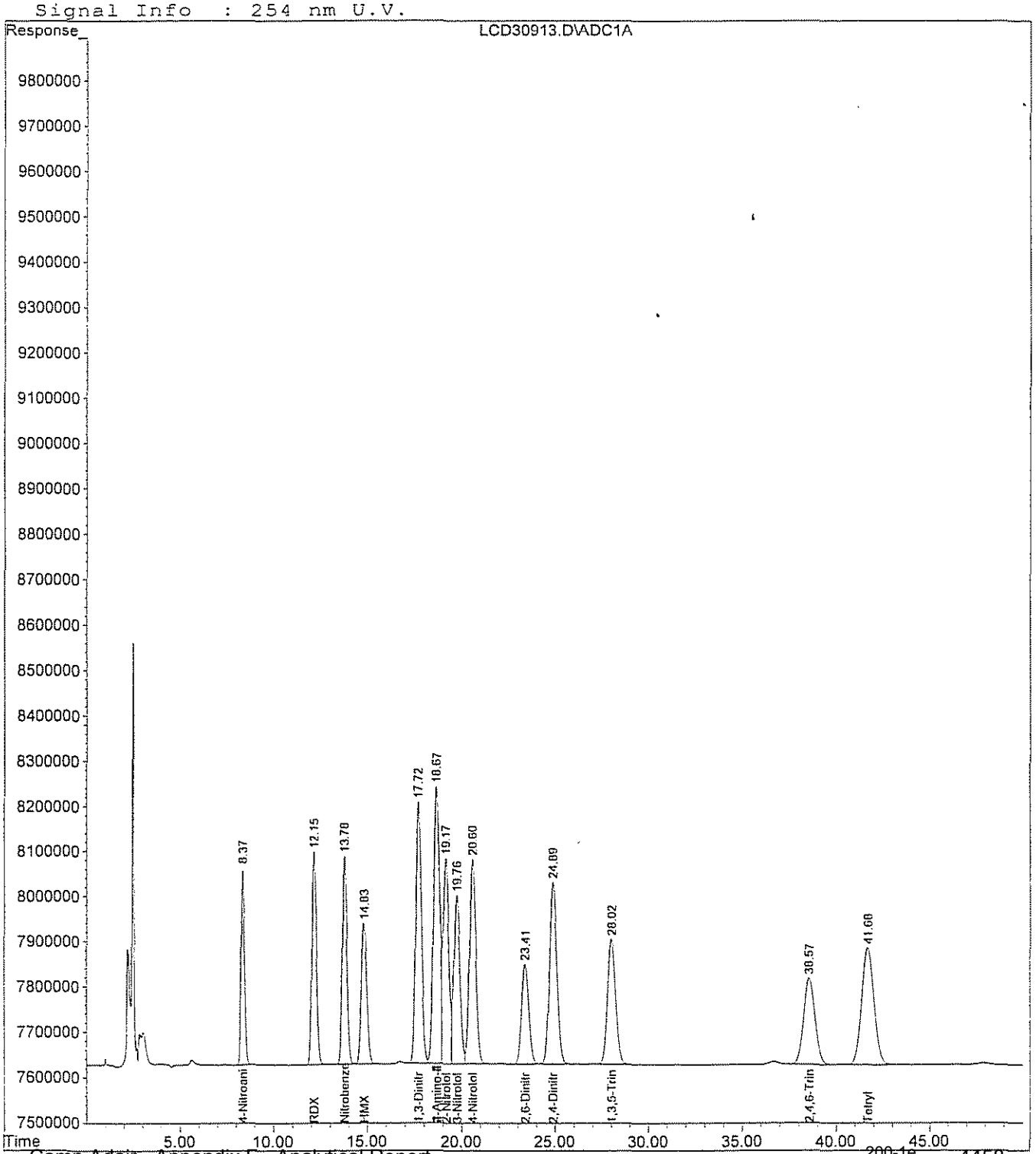
Quantitation Report

Data File : J:\LCDATA\LCD\052506\LCD30913.D
Acq On : 25 May 2006 21:05
Sample : 8330MIX-LEV 3
Misc : C CAL
IntFile : events.e
Quant Time: May 26 15:33 2006 Quant Results File: 6525CON.RES

Vial: 4
Operator: SS
Inst : LCD
Multiplr: 1.00

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : J:\LCDATA\LCD\052506\LCD30914.D Vial: 5
Acq On : 25 May 2006 21:59 Operator: SS
Sample : 8330MIX-LEV 4 Inst : LCD
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 26 15:34 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

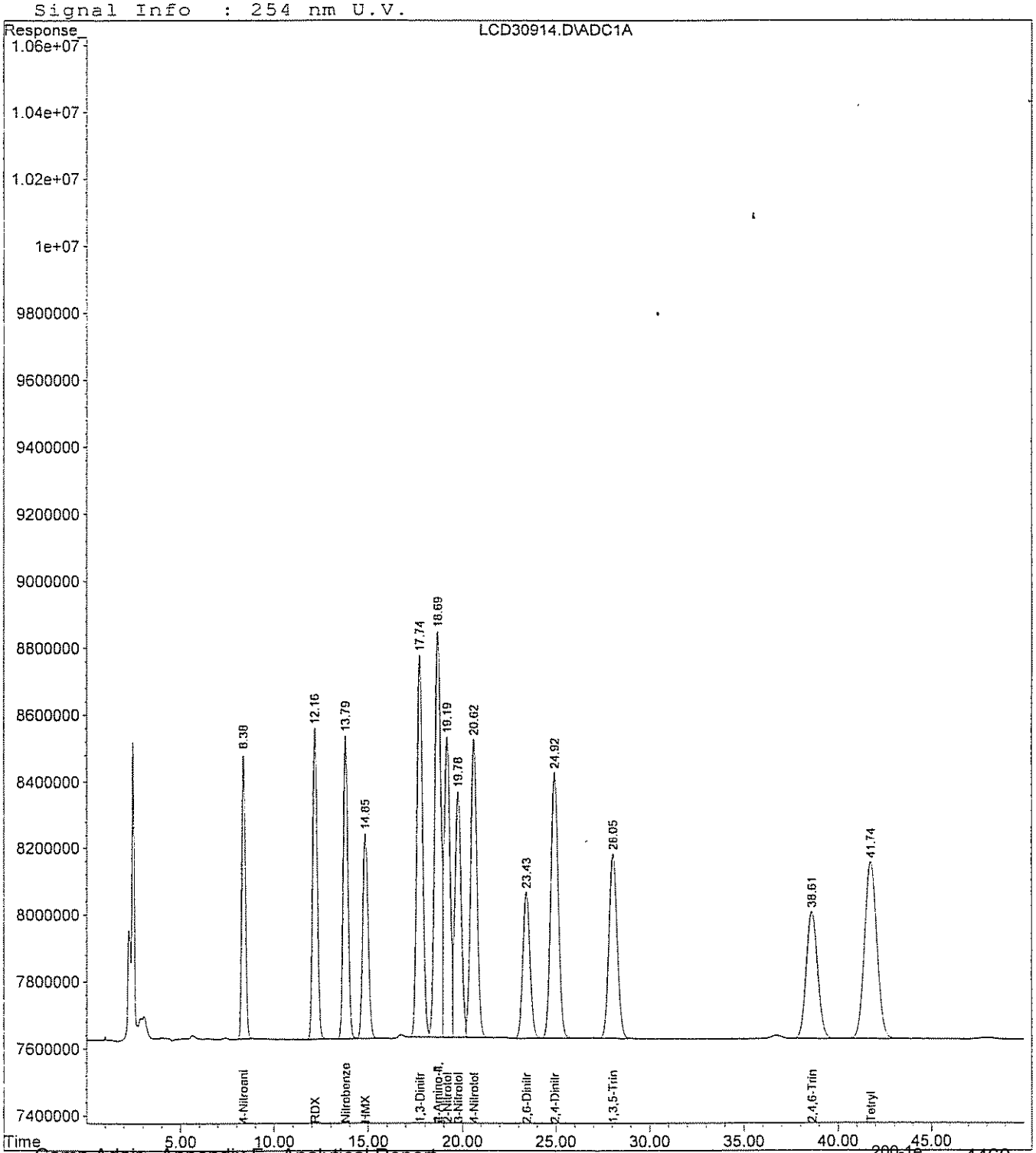
		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	8.38	116951718	993.257	ng/ml
Spiked Amount		300.000	Range 49 - 133	Recovery	= 331.09%#	
Target Compounds						
1)	T	HMX	14.85	125664587	1014.927	ng/ml
3)	T	1,3,5-Trinitrobenzene	28.05	169350434	507.855	ng/ml
4)	T	Tetryl	41.74	240665120	1063.646	ng/ml
5)	T	2,4,6-Trinitrotoluene	38.62	158569500	531.895	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	18.69	274493394	502.044	ng/ml
7)	T	2,6-Dinitrotoluene	23.44	116291535	497.262	ng/ml
8)	T	4-Nitrotoluene	20.62	212780197	990.715	ng/ml
9)	M	RDX	12.16	158627146	990.855	ng/ml
10)	M	1,3-Dinitrobenzene	17.74	238169612	494.165	ng/ml
11)	M	Nitrobenzene	13.79	156285751	496.383	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	18.69	274493394	502.906	ng/ml
13)	M	2,4-Dinitrotoluene	24.92	223853146	502.988	ng/ml
14)	M	2-Nitrotoluene	19.19	199416242	983.575	ng/ml
15)	M	3-Nitrotoluene	19.78	169649213	1043.055	ng/ml

Quantitation Report

Data File : J:\LCDATA\LCD\052506\LCD30914.D Vial: 5
Acq On : 25 May 2006 21:59 Operator: SS
Sample : 8330MIX-LEV 4 Inst : LCD
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 26 15:34 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : J:\LCDATA\LCD\052506\LCD30915.D Vial: 6
Acq On : 25 May 2006 22:54 Operator: SS
Sample : 8330MIX-LEV 5 Inst : LCD
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 26 15:35 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	8.38	234306565	1989.938	ng/ml
Spiked Amount		300.000	Range 49 - 133	Recovery	= 663.31%#	
Target Compounds						
1)	T	HMX	14.87	250860897	2026.071	ng/ml
3)	T	1,3,5-Trinitrobenzene	28.08	341499509	1024.102	ng/ml
4)	T	Tetryl	41.80	493453427	2180.871	ng/ml
5)	T	2,4,6-Trinitrotoluene	38.67	319091092	1070.338	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	18.71	550303931	1006.497	ng/ml
7)	T	2,6-Dinitrotoluene	23.45	232855618	995.689	ng/ml
8)	T	4-Nitrotoluene	20.63	428052444	1993.032	ng/ml
9)	M	RDX	12.17	317084862	1980.652	ng/ml
10)	M	1,3-Dinitrobenzene	17.75	481107634	998.223	ng/ml
11)	M	Nitrobenzene	13.80	314096128	997.608	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	18.71	550303931	1008.226	ng/ml
13)	M	2,4-Dinitrotoluene	24.94	449651025	1010.346	ng/ml
14)	M	2-Nitrotoluene	19.20	401488499	1980.250	ng/ml
15)	M	3-Nitrotoluene	19.79	341523663	2099.790	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.
LCD30915.D 6525CON.M Fri May 26 15:57:16 2006 A Page 1

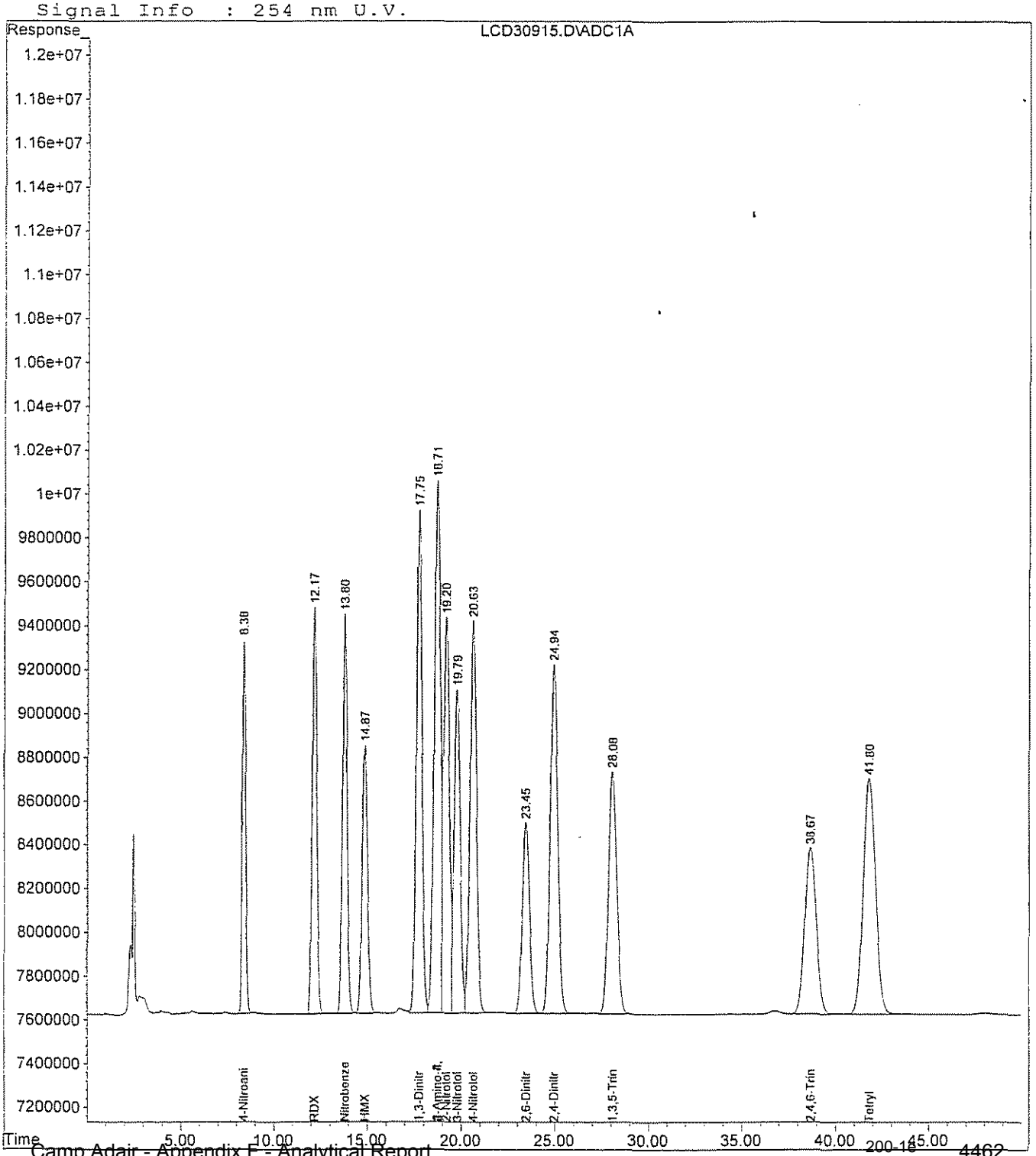
Quantitation Report

Data File : J:\LCDATA\LCD\052506\LCD30915.D
Acq On : 25 May 2006 22:54
Sample : 8330MIX-LEV 5
Misc : C CAL
IntFile : events.e
Quant Time: May 26 15:35 2006 Quant Results File: 6525CON.RES

Vial: 6
Operator: SS
Inst : LCD
Multiplr: 1.00

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : J:\LCDATA\LCD\052506\LCD30916.D Vial: 7
Acq On : 25 May 2006 23:48 Operator: SS
Sample : 8330MIX-LEV 6 Inst : LCD
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 26 15:35 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	8.39	592595984	5032.849	ng/ml
Spiked Amount		300.000	Range 49 - 133	Recovery	= 1677.62%#	
Target Compounds						
1)	T	HMX	14.90	626520192	5060.074	ng/ml
3)	T	1,3,5-Trinitrobenzene	28.12	859282501	2576.849	ng/ml
4)	T	Tetryl	41.86	1242546170	5491.567	ng/ml
5)	T	2,4,6-Trinitrotoluene	38.72	798373972	2678.012	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	18.74	1382522854	2528.613	ng/ml
7)	T	2,6-Dinitrotoluene	23.49	586743649	2508.911	ng/ml
8)	T	4-Nitrotoluene	20.66	1083180441	5043.339	ng/ml
9)	M	RDX	12.19	793810842	4958.492	ng/ml
10)	M	1,3-Dinitrobenzene	17.78	1208496781	2507.441	ng/ml
11)	M	Nitrobenzene	13.82	786341240	2497.517	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	18.74	1382522854	2532.955	ng/ml
13)	M	2,4-Dinitrotoluene	24.98	1130322103	2539.785	ng/ml
14)	M	2-Nitrotoluene	19.22	1010550355	4984.308	ng/ml
15)	M	3-Nitrotoluene	19.82	860470057	5290.429	ng/ml

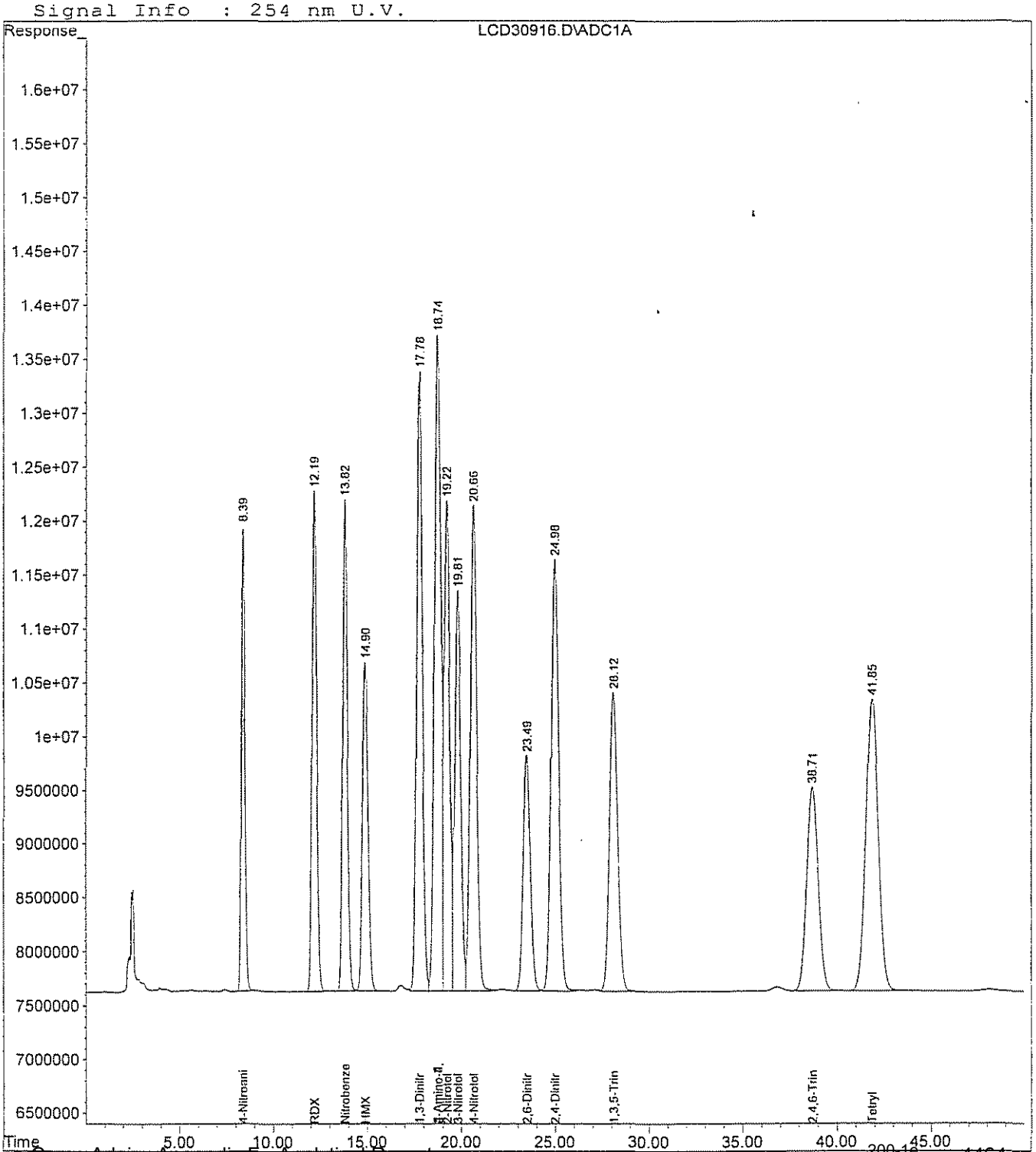
Quantitation Report

Data File : J:\LCDATA\LCD\052506\LCD30916.D
Acq On : 25 May 2006 23:48
Sample : 8330MIX-LEV 6
Misc : C CAL
IntFile : events.e
Quant Time: May 26 15:35 2006 Quant Results File: 6525CON.RES

Vial: 7
Operator: SS
Inst : LCD
Multiplr: 1.00

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : J:\LCDATA\LCD\052506\LCD30917.D Vial: 8
Acq On : 26 May 2006 00:42 Operator: SS
Sample : 8330MIX- ICV Inst : LCD
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 26 15:55 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
Target Compounds						
1)	T	HMX	14.93f	32045821	258.606	ng/ml
3)	T	1,3,5-Trinitrobenzene	28.16f	77938855	226.715	ng/ml
4)	T	Tetryl	41.94f	34820109	152.080	ng/ml
5)	T	2,4,6-Trinitrotoluene	38.77	86557213	287.354	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	18.76	139588312	254.085	ng/ml
7)	T	2,6-Dinitrotoluene	23.52	57064291	244.256	ng/ml
8)	T	4-Nitrotoluene	20.68	52791644	243.883	ng/ml
9)	M	RDX	12.21	39590994	245.634	ng/ml
10)	M	1,3-Dinitrobenzene	17.80	117551975	242.049	ng/ml
11)	M	Nitrobenzene	13.83	76145582	241.154	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	18.76	139588312	255.982	ng/ml
13)	M	2,4-Dinitrotoluene	25.01	107305191	237.485	ng/ml
14)	M	2-Nitrotoluene	19.23	46474502	233.698	ng/ml
15)	M	3-Nitrotoluene	19.83	41404902	251.313	ng/ml

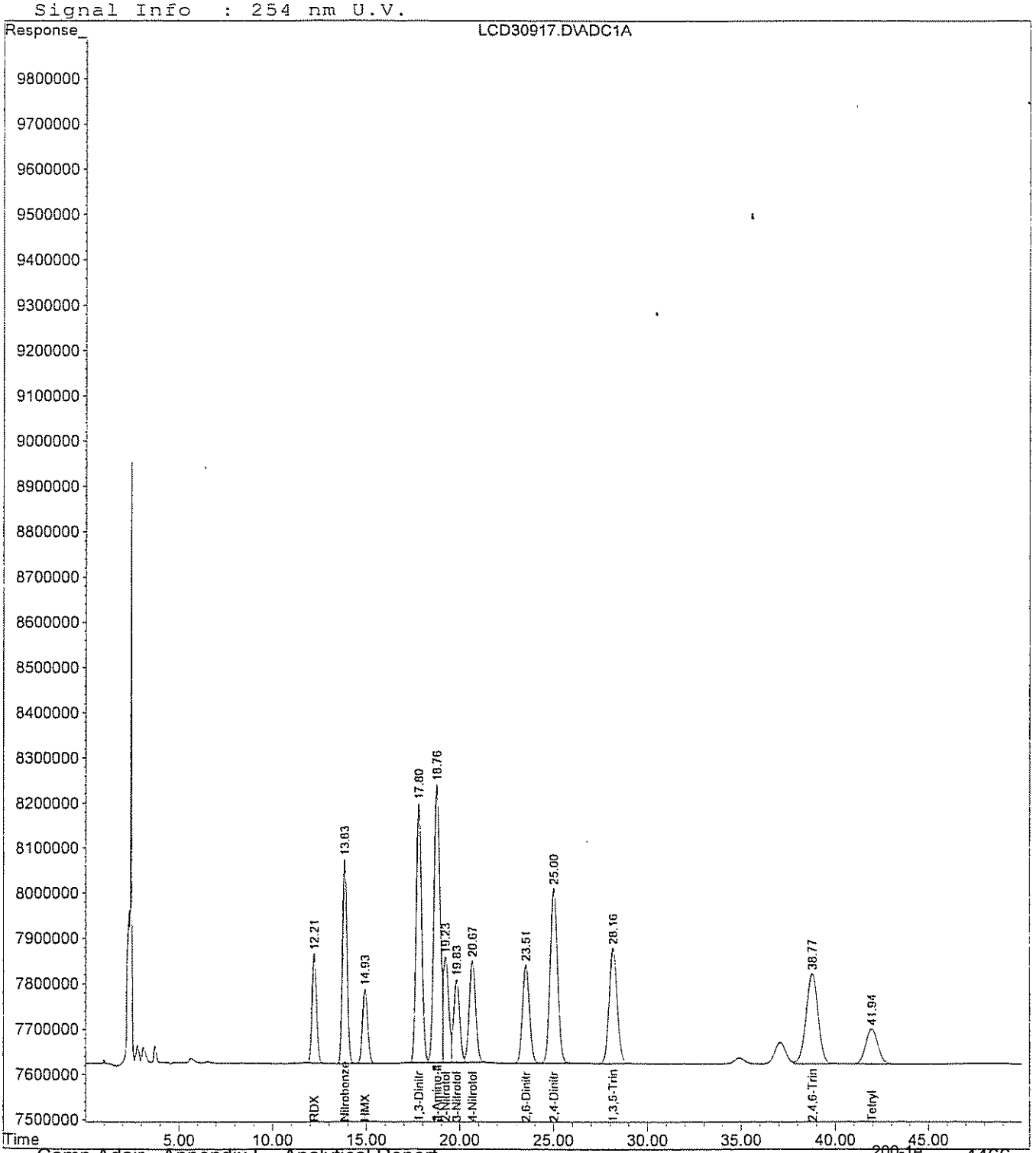
(f)=RT Delta > 1/2 Window (m)=manual int.
LCD30917.D 6525CON.M Fri May 26 15:58:46 2006 A Page 1

Quantitation Report

Data File : J:\LCDATA\LCD\052506\LCD30917.D Vial: 8
Acq On : 26 May 2006 00:42 Operator: SS
Sample : 8330MIX- ICV Inst : LCD
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 26 15:55 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Continuing Calibration Report LCA

Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Fri Oct 20 12:27:54 2006
Response via : Initial Calibration

Continuing Calibration File: LA16746.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	123.272	128.556	E3	-4.3	105
2	S	4-Nitroaniline	130.787	138.341	E3	-5.8	109
3	T	1,3,5-Trinitrobenzene	347.033	372.645	E3	-7.4	105
4	T	Tetryl	247.222	277.516	E3	-12.3	105
5	T	2,4,6-Trinitrotoluene	341.474	354.571	E3	-3.8	103
6	T	4-Amino-2,6-Dinitrotoluene	246.017	243.180	E3	1.2	102
7	T	2,6-Dinitrotoluene	223.886	244.493	E3	-9.2	110
8	T	4-Nitrotoluene	204.473	199.626	E3	2.4	103
9	M	RDX	164.196	161.645	E3	1.6	98
10	M	1,3-Dinitrobenzene	516.125	525.016	E3	-1.7	101
11	M	Nitrobenzene	371.276	363.418	E3	2.1	100
12	M	2-Amino-4,6-Dinitrotoluene	360.921	365.800	E3	-1.4	102
13	M	2,4-Dinitrotoluene	529.845	519.658	E3	1.9	99
14	M	2-Nitrotoluene	231.221	199.626	E3	13.7	88
15	M	3-Nitrotoluene	255.063	252.963	E3	0.8	102

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\LA16746.D Vial: 8
Acq On : 13 Oct 2006 22:44 Operator: AG
Sample : 8330MIX Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 16 7:35 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

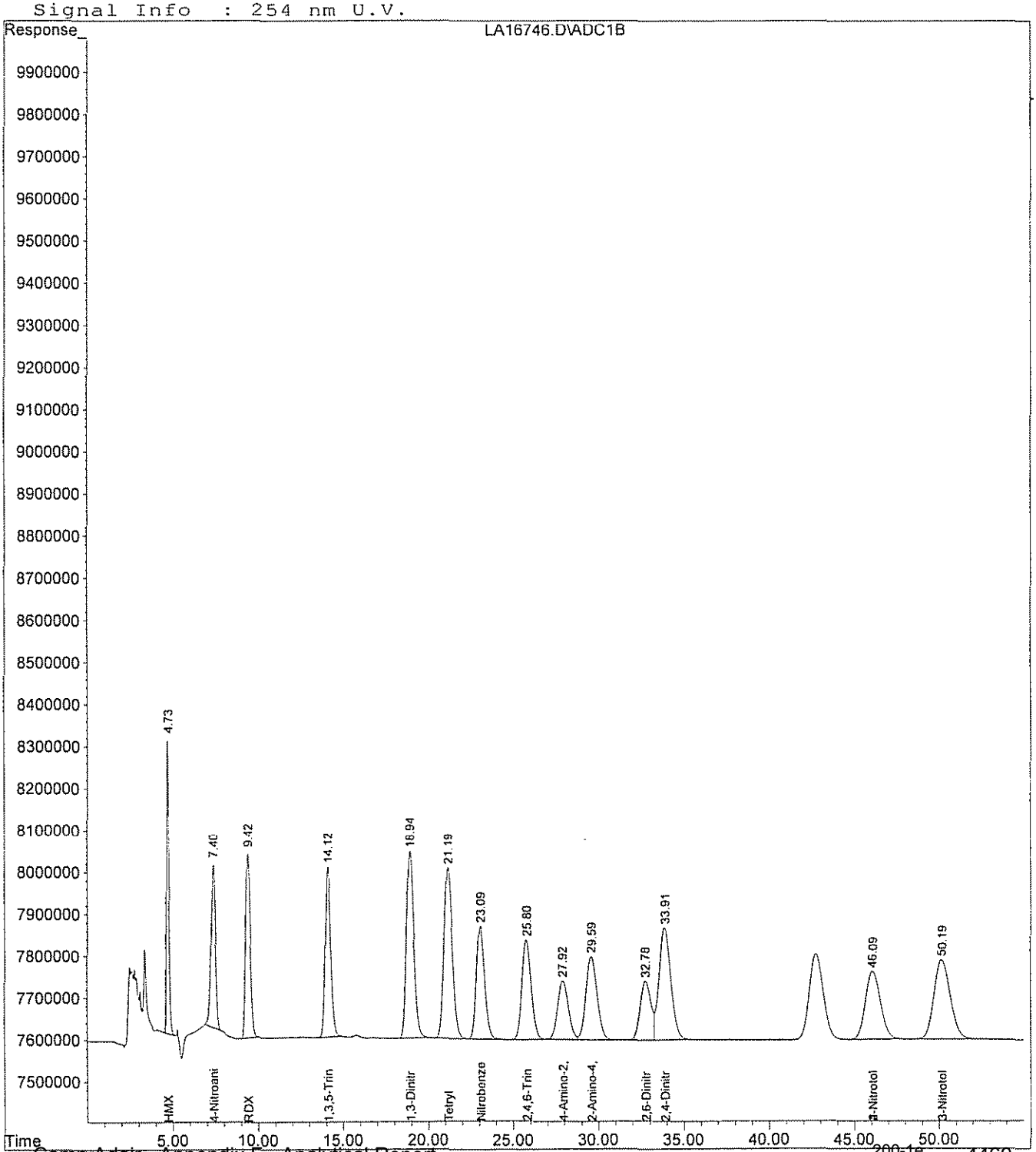
		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.40	69170350	528.877	ng/ml
Spiked Amount		300.000	Range 49 - 133	Recovery	= 176.29%#	
Target Compounds						
1)	T	HMX	4.73	64278102	521.432	ng/ml
3)	T	1,3,5-Trinitrobenzene	14.12	93161136	268.450	ng/ml
4)	T	Tetryl	21.19	138758172	561.268	ng/ml
5)	T	2,4,6-Trinitrotoluene	25.80	88642799	259.588	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	27.93	60795102	247.118	ng/ml
7)	T	2,6-Dinitrotoluene	32.78	61123346	273.011	ng/ml
8)	T	4-Nitrotoluene	46.09	99813185	488.148	ng/ml
9)	M	RDX	9.43	80822623	492.233	ng/ml
10)	M	1,3-Dinitrobenzene	18.94	131253918	254.307	ng/ml
11)	M	Nitrobenzene	23.09	90854449	244.709	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	29.59	91449977	253.379	ng/ml
13)	M	2,4-Dinitrotoluene	33.92	129914501	245.194	ng/ml
14)	M	2-Nitrotoluene	46.09	99813185	431.679	ng/ml
15)	M	3-Nitrotoluene	50.18	126481270	495.882	ng/ml

Quantitation Report

Data File : H:\LCDATA\LCA\101206\LA16746.D Vial: 8
Acq On : 13 Oct 2006 22:44 Operator: AG
Sample : 8330MIX Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 16 7:35 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Continuing Calibration Report LCA

Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Fri Oct 20 12:28:18 2006
Response via : Initial Calibration

Continuing Calibration File: LA16759.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	123.272	129.412	E3	-5.0	106
2	S	4-Nitroaniline	130.787	137.831	E3	-5.4	109
3	T	1,3,5-Trinitrobenzene	347.033	375.235	E3	-8.1	106
4	T	Tetryl	247.222	276.912	E3	-12.0	105
5	T	2,4,6-Trinitrotoluene	341.474	358.465	E3	-5.0	104
6	T	4-Amino-2,6-Dinitrotoluene	246.017	249.945	E3	-1.6	105
7	T	2,6-Dinitrotoluene	223.886	245.699	E3	-9.7	110.
8	T	4-Nitrotoluene	204.473	199.198	E3	2.6	102
9	M	RDX	164.196	162.034	E3	1.3	98
10	M	1,3-Dinitrobenzene	516.125	525.559	E3	-1.8	101
11	M	Nitrobenzene	371.276	362.825	E3	2.3	100
12	M	2-Amino-4,6-Dinitrotoluene	360.921	366.553	E3	-1.6	102
13	M	2,4-Dinitrotoluene	529.845	519.013	E3	2.0	99
14	M	2-Nitrotoluene	231.221	199.198	E3	13.8	88
15	M	3-Nitrotoluene	255.063	252.176	E3	1.1	102

(#) = out of range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\LA16759.D Vial: 21
Acq On : 14 Oct 2006 11:38 Operator: AG
Sample : 8330MIX Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 16 7:37 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

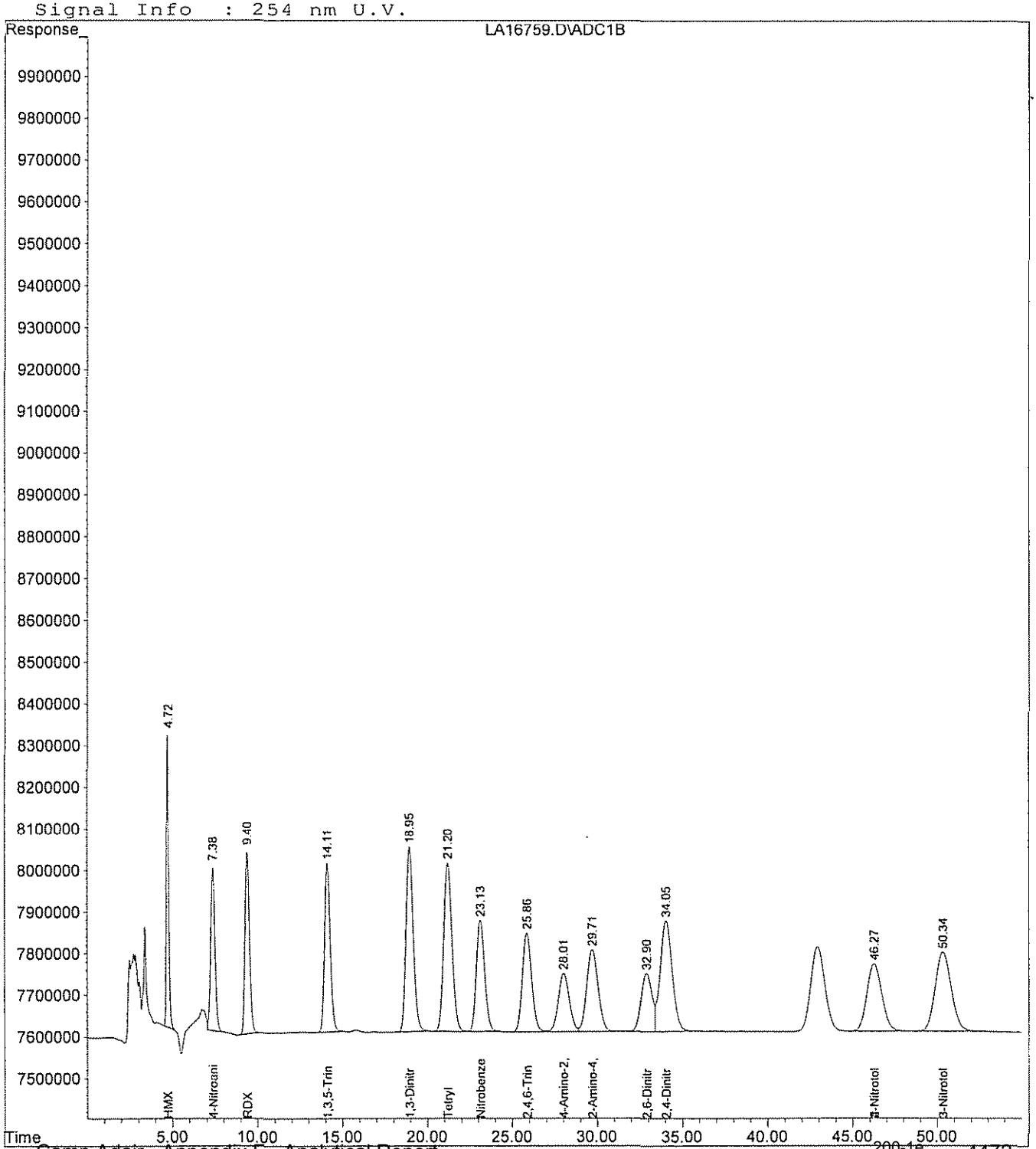
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.38	68915535	526.929 ng/mlm
Spiked Amount 300.000 Range 49 - 133		Recovery = 175.64%#	
Target Compounds			
1) T HMX	4.73	64705851	524.902 ng/ml
3) T 1,3,5-Trinitrobenzene	14.11	93808795	270.317 ng/ml
4) T Tetryl	21.21	138455778	560.045 ng/ml
5) T 2,4,6-Trinitrotoluene	25.86	89616129	262.439 ng/ml
6) T 4-Amino-2,6-Dinitrotoluene	28.02	62486263	253.992 ng/ml
7) T 2,6-Dinitrotoluene	32.90	61424688	274.357 ng/ml
8) T 4-Nitrotoluene	46.26	99599030	487.101 ng/ml
9) M RDX	9.40	81017194	493.418 ng/ml
10) M 1,3-Dinitrobenzene	18.95	131389674	254.570 ng/ml
11) M Nitrobenzene	23.13	90706304	244.310 ng/ml
12) M 2-Amino-4,6-Dinitrotoluene	29.70	91638247	253.901 ng/ml
13) M 2,4-Dinitrotoluene	34.05	129753337	244.889 ng/ml
14) M 2-Nitrotoluene	46.26	99599030	430.753 ng/ml
15) M 3-Nitrotoluene	50.34	126088099	494.341 ng/ml

Quantitation Report

Data File : H:\LCDATA\LCA\101206\LA16759.D Vial: 21
Acq On : 14 Oct 2006 11:38 Operator: AG
Sample : 8330MIX Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 16 7:37 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Continuing Calibration Report LCA

Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Fri Oct 20 12:28:35 2006
Response via : Initial Calibration

Continuing Calibration File: LA16772.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	123.272	129.527	E3	-5.1	106
2	S	4-Nitroaniline	130.787	133.470	E3	-2.1	105
3	T	1,3,5-Trinitrobenzene	347.033	376.258	E3	-8.4	106
4	T	Tetryl	247.222	278.480	E3	-12.6	106
5	T	2,4,6-Trinitrotoluene	341.474	360.428	E3	-5.6	105
6	T	4-Amino-2,6-Dinitrotoluene	246.017	253.674	E3	-3.1	107
7	T	2,6-Dinitrotoluene	223.886	248.425	E3	-11.0	112.
8	T	4-Nitrotoluene	204.473	199.277	E3	2.5	102
9	M	RDX	164.196	162.728	E3	0.9	99
10	M	1,3-Dinitrobenzene	516.125	527.967	E3	-2.3	102
11	M	Nitrobenzene	371.276	364.007	E3	2.0	100
12	M	2-Amino-4,6-Dinitrotoluene	360.921	371.020	E3	-2.8	103
13	M	2,4-Dinitrotoluene	529.845	519.943	E3	1.9	100
14	M	2-Nitrotoluene	231.221	199.277	E3	13.8	88
15	M	3-Nitrotoluene	255.063	251.372	E3	1.4	102

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LA16772.D 67258330.M Fri Oct 20 12:28:38 2006 A

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\LA16772.D Vial: 34
Acq On : 15 Oct 2006 00:32 Operator: AG
Sample : 8330MIX Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 16 7:37 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.35	66734795	510.255	ng/mlm
Spiked Amount		300.000	Range 49 - 133	Recovery	= 170.09%#	
Target Compounds						
1)	T	HMX	4.71	64763570	525.371	ng/ml
3)	T	1,3,5-Trinitrobenzene	14.04	94064603	271.054	ng/ml
4)	T	Tetryl	21.07	139240195	563.218	ng/ml
5)	T	2,4,6-Trinitrotoluene	25.73	90107023	263.876	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	27.88	63418579	257.782	ng/ml
7)	T	2,6-Dinitrotoluene	32.75	62106241	277.402	ng/ml
8)	T	4-Nitrotoluene	46.00f	99638717	487.295	ng/ml
9)	M	RDX	9.36	81363969	495.530	ng/ml
10)	M	1,3-Dinitrobenzene	18.85	131991666	255.736	ng/ml
11)	M	Nitrobenzene	23.01	91001857	245.106	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	29.57	92755078	256.995	ng/ml
13)	M	2,4-Dinitrotoluene	33.90	129985742	245.328	ng/ml
14)	M	2-Nitrotoluene	46.00f	99638717	430.925	ng/ml
15)	M	3-Nitrotoluene	50.05f	125685970	492.764	ng/ml

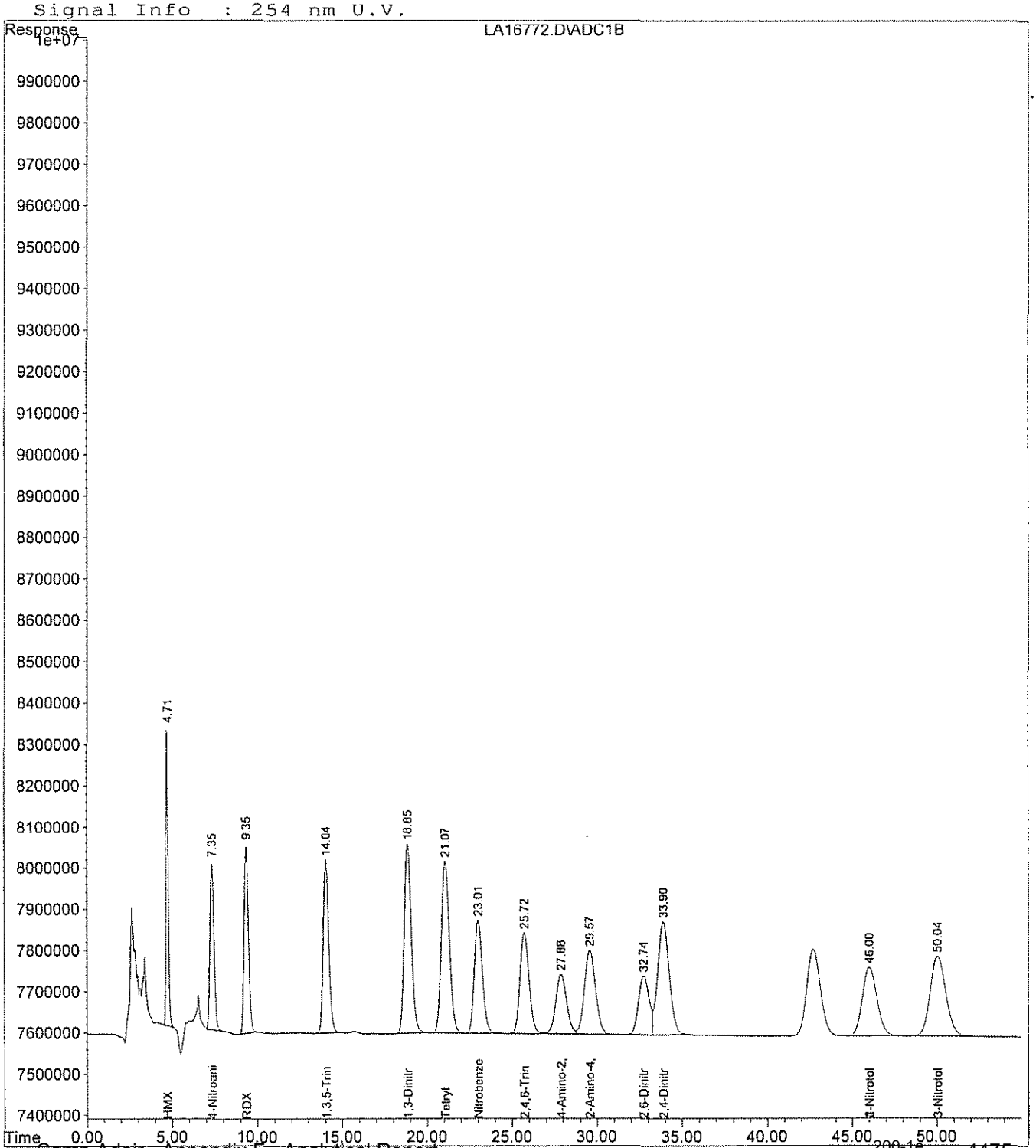
(f)=RT Delta > 1/2 Window (m)=manual int.
LA16772.D 67258330.M Fri Oct 20 12:28:41 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\101206\LA16772.D Vial: 34
Acq On : 15 Oct 2006 00:32 Operator: AG
Sample : 8330MIX Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 16 7:37 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Continuing Calibration Report LCD

Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri Oct 20 12:34:19 2006
Response via : Initial Calibration

Continuing Calibration File: LCD33399.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	123.918	134.144	E3	-8.3	107
2	S	4-Nitroaniline	118.022	119.939	E3	-1.6	102
3	T	1,3,5-Trinitrobenzene	343.775	363.388	E3	-5.7	107
4	T	Tetryl	228.960	261.149	E3	-14.1	112
5	T	2,4,6-Trinitrotoluene	301.222	340.021	E3	-12.9	107
6	T	4-Amino-2,6-Dinitrotoluene	549.376	571.553	E3	-4.0	104
7	T	2,6-Dinitrotoluene	233.625	245.394	E3	-5.0	105.
8	T	4-Nitrotoluene	216.463	223.537	E3	-3.3	104
9	M	RDX	161.179	167.116	E3	-3.7	105
10	M	1,3-Dinitrobenzene	485.653	503.094	E3	-3.6	105
11	M	Nitrobenzene	315.755	329.653	E3	-4.4	105
12	M	2-Amino-4,6-Dinitrotoluene	545.304	571.553	E3	-4.8	104
13	M	2,4-Dinitrotoluene	451.840	471.197	E3	-4.3	105
14	M	2-Nitrotoluene	198.866	208.559	E3	-4.9	104
15	M	3-Nitrotoluene	164.755	178.402	E3	-8.3	105

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\101606\LCD33399.D Vial: 14
Acq On : 16 Oct 2006 21:23 Operator: AG
Sample : 8330MIX Inst : LCD
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 8:19 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
2)	S	4-Nitroaniline	8.53	59969257	508.118 ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 169.37%#					
Target Compounds					
1)	T	HMX	15.33	67071768	541.260 ng/ml
3)	T	1,3,5-Trinitrobenzene	28.86	90847052	264.263 ng/ml
4)	T	Tetryl	43.39	130574345	570.294 ng/ml
5)	T	2,4,6-Trinitrotoluene	39.97	85005187	282.201 ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	19.27	142888143	260.092 ng/ml
7)	T	2,6-Dinitrotoluene	24.14	61348494	262.594 ng/ml
8)	T	4-Nitrotoluene	21.16	111768293	516.340 ng/ml
9)	M	RDX	12.46	83558223	518.420 ng/ml
10)	M	1,3-Dinitrobenzene	18.18	125773422	258.978 ng/ml
11)	M	Nitrobenzene	14.08	82413331	261.004 ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	19.27	142888143	262.034 ng/ml
13)	M	2,4-Dinitrotoluene	25.66	117799236	260.710 ng/ml
14)	M	2-Nitrotoluene	19.66	104279657	524.372 ng/ml
15)	M	3-Nitrotoluene	20.29	89201219	541.419 ng/ml

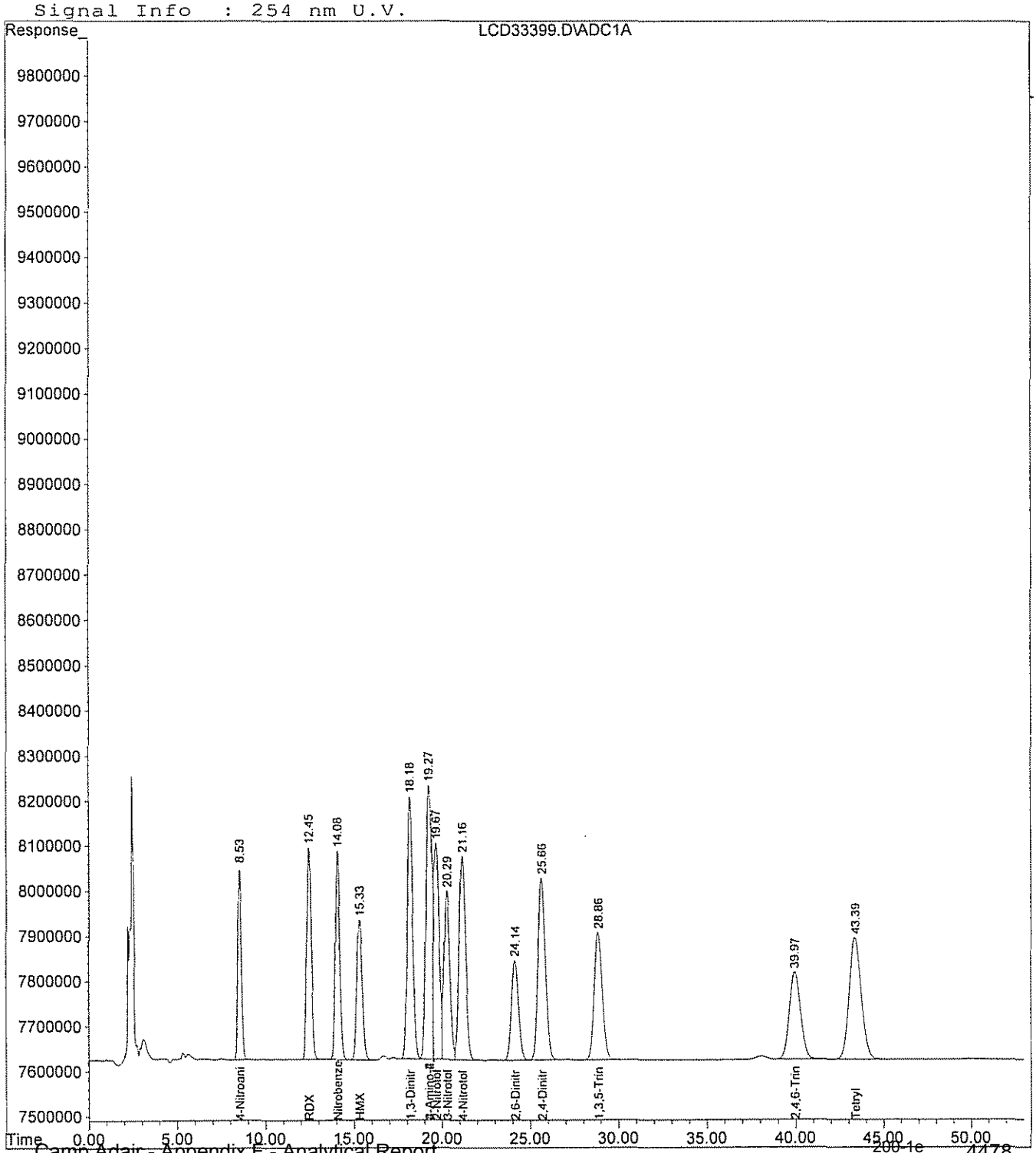
(f)=RT Delta > 1/2 Window (m)=manual int.
LCD33399.D 6525CON.M Fri Oct 20 12:34:35 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCD\101606\LCD33399.D Vial: 14
Acq On : 16 Oct 2006 21:23 Operator: AG
Sample : 8330MIX Inst : LCD
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 8:19 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Continuing Calibration Report LCD

Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri Oct 20 12:34:49 2006
Response via : Initial Calibration

Continuing Calibration File: LCD33411.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	123.918	134.206	E3	-8.3	107
2	S	4-Nitroaniline	118.022	122.194	E3	-3.5	104
3	T	1,3,5-Trinitrobenzene	343.775	363.828	E3	-5.8	107
4	T	Tetryl	228.960	258.852	E3	-13.1	111
5	T	2,4,6-Trinitrotoluene	301.222	344.632	E3	-14.4	109
6	T	4-Amino-2,6-Dinitrotoluene	549.376	577.389	E3	-5.1	105
7	T	2,6-Dinitrotoluene	233.625	247.195	E3	-5.8	106
8	T	4-Nitrotoluene	216.463	222.967	E3	-3.0	104
9	M	RDX	161.179	167.075	E3	-3.7	105
10	M	1,3-Dinitrobenzene	485.653	504.328	E3	-3.8	105
11	M	Nitrobenzene	315.755	329.073	E3	-4.2	105
12	M	2-Amino-4,6-Dinitrotoluene	545.304	577.389	E3	-5.9	105
13	M	2,4-Dinitrotoluene	451.840	472.501	E3	-4.6	105
14	M	2-Nitrotoluene	198.866	207.585	E3	-4.4	104
15	M	3-Nitrotoluene	164.755	178.002	E3	-8.0	104

(#) = out of range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\101606\LCD33411.D Vial: 26
Acq On : 17 Oct 2006 8:52 Operator: AG
Sample : 8330MIX Inst : LCD
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 11:11 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

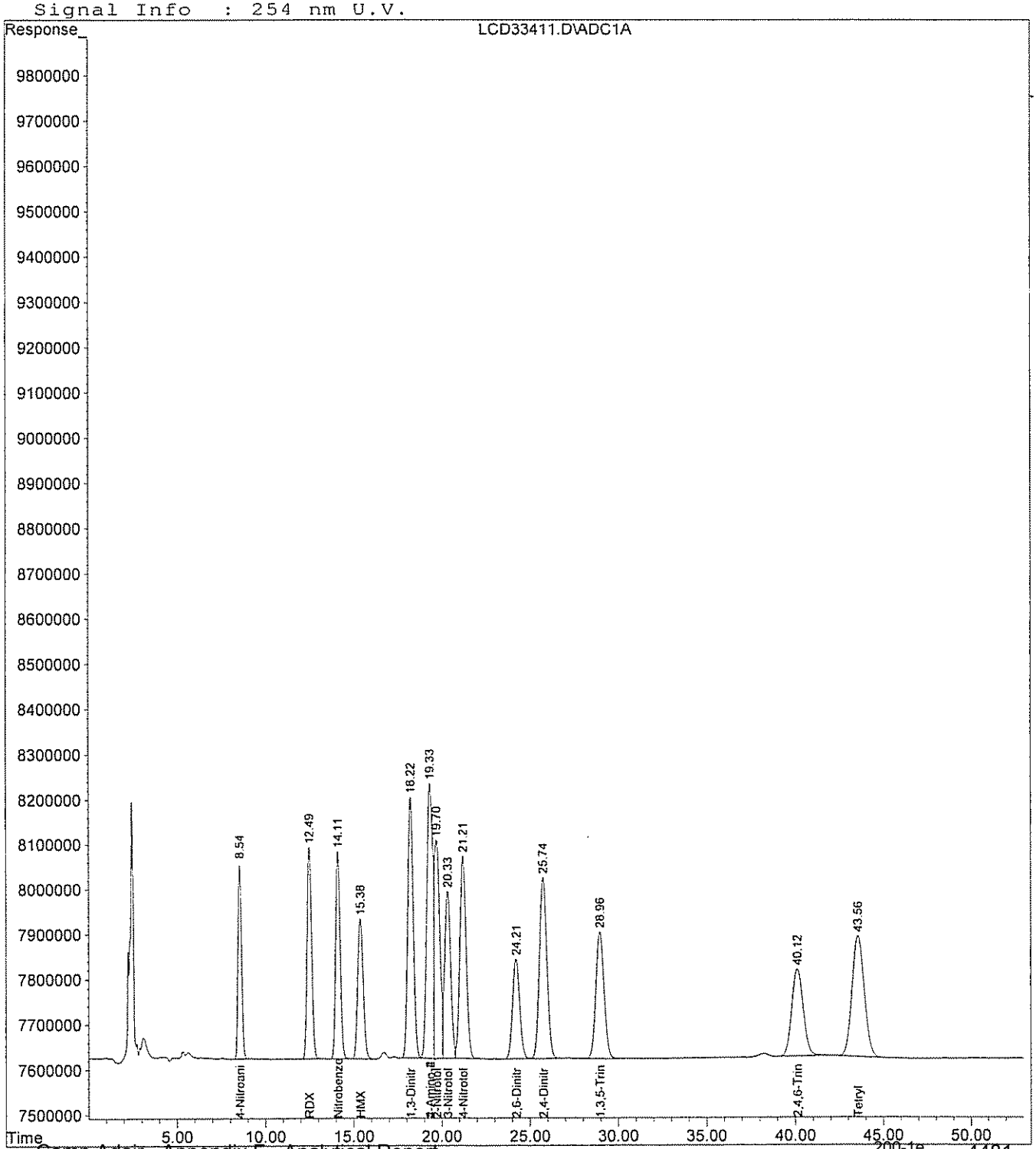
		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	8.54	61096797	517.671	ng/ml
Spiked Amount		300.000	Range 49 - 133	Recovery	= 172.56%#	
Target Compounds						
1)	T	HMX	15.38	67102951	541.512	ng/ml
3)	T	1,3,5-Trinitrobenzene	28.96	90956911	264.583	ng/ml
4)	T	Tetryl	43.56	129425856	565.278	ng/ml
5)	T	2,4,6-Trinitrotoluene	40.12	86157917	286.028	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	19.33	144347314	262.748	ng/ml
7)	T	2,6-Dinitrotoluene	24.21	61798756	264.522	ng/ml
8)	T	4-Nitrotoluene	21.21	111483545	515.024	ng/ml
9)	M	RDX	12.49	83537528	518.291	ng/ml
10)	M	1,3-Dinitrobenzene	18.23	126081989	259.613	ng/ml
11)	M	Nitrobenzene	14.11	82268303	260.545	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	19.33	144347314	264.710	ng/ml
13)	M	2,4-Dinitrotoluene	25.74	118125268	261.432	ng/ml
14)	M	2-Nitrotoluene	19.70	103792441	521.922	ng/ml
15)	M	3-Nitrotoluene	20.34	89001041	540.204	ng/ml

Quantitation Report

Data File : H:\LCDATA\LCD\101606\LCD33411.D Vial: 26
Acq On : 17 Oct 2006 8:52 Operator: AG
Sample : 8330MIX Inst : LCD
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 11:11 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Continuing Calibration Report LCA

Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Fri Oct 20 12:29:08 2006
Response via : Initial Calibration

Continuing Calibration File: LA16747.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-NITROANILINE	122.588	133.736	E3	-9.1	114
2	M	NITROGLYCERINE	1.760	1.858	E6	-5.5	102

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LA16747.D 60607NG.M Fri Oct 20 12:29:14 2006 A

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\1012NG\LA16747.D Vial: 9
Acq On : 13 Oct 2006 23:44 Operator: AG
Sample : 8330NG Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 16 7:43 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	7.40	33433935	272.734	PPB	m
Spiked Amount 300.000		Recovery =	90.91%		
Target Compounds					
2) M NITROGLYCERINE	23.28	18576139	10.553	PPM	

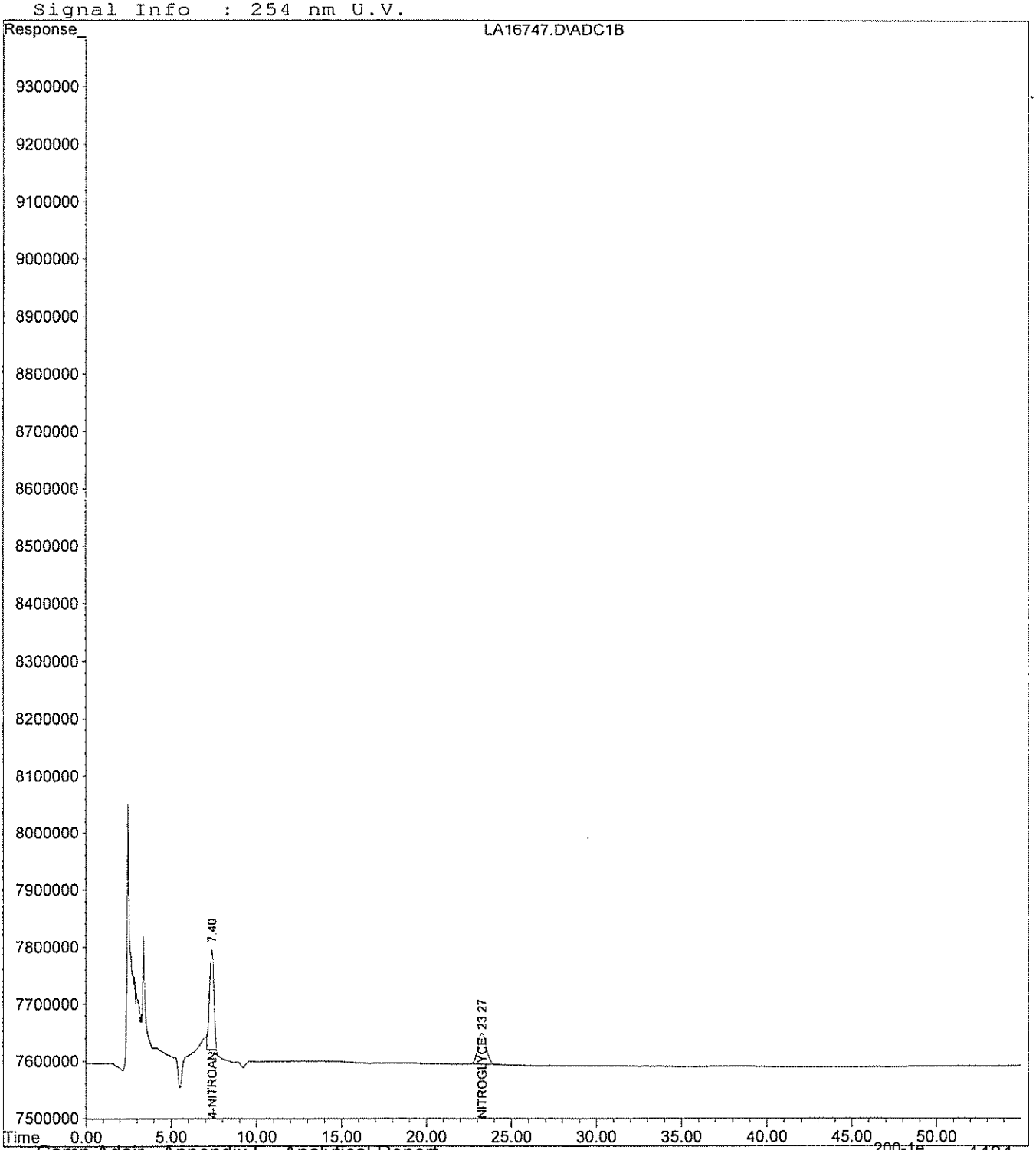
(f)=RT Delta > 1/2 Window (m)=manual int.
LA16747.D 60607NG.M Fri Oct 20 12:29:17 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\101206\1012NG\LA16747.D Vial: 9
Acq On : 13 Oct 2006 23:44 Operator: AG
Sample : 8330NG Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 16 7:43 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Continuing Calibration Report LCA

Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Fri Oct 20 12:29:26 2006
Response via : Initial Calibration

Continuing Calibration File: LA16760.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-NITROANILINE	122.588	115.090	E3	6.1	98
2	M	NITROGLYCERINE	1.760	1.900	E6	-7.9	104

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LA16760.D 60607NG.M Fri Oct 20 12:29:28 2006 A

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\1012NG\LA16760.D Vial: 22
Acq On : 14 Oct 2006 12:38 Operator: AG
Sample : 8330NG Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 16 7:44 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	7.36	28772409	234.708	PPB	m
Spiked Amount 300.000		Recovery =	78.24%		
Target Compounds					
2) M NITROGLYCERINE	23.23	18996282	10.792	PPM	m

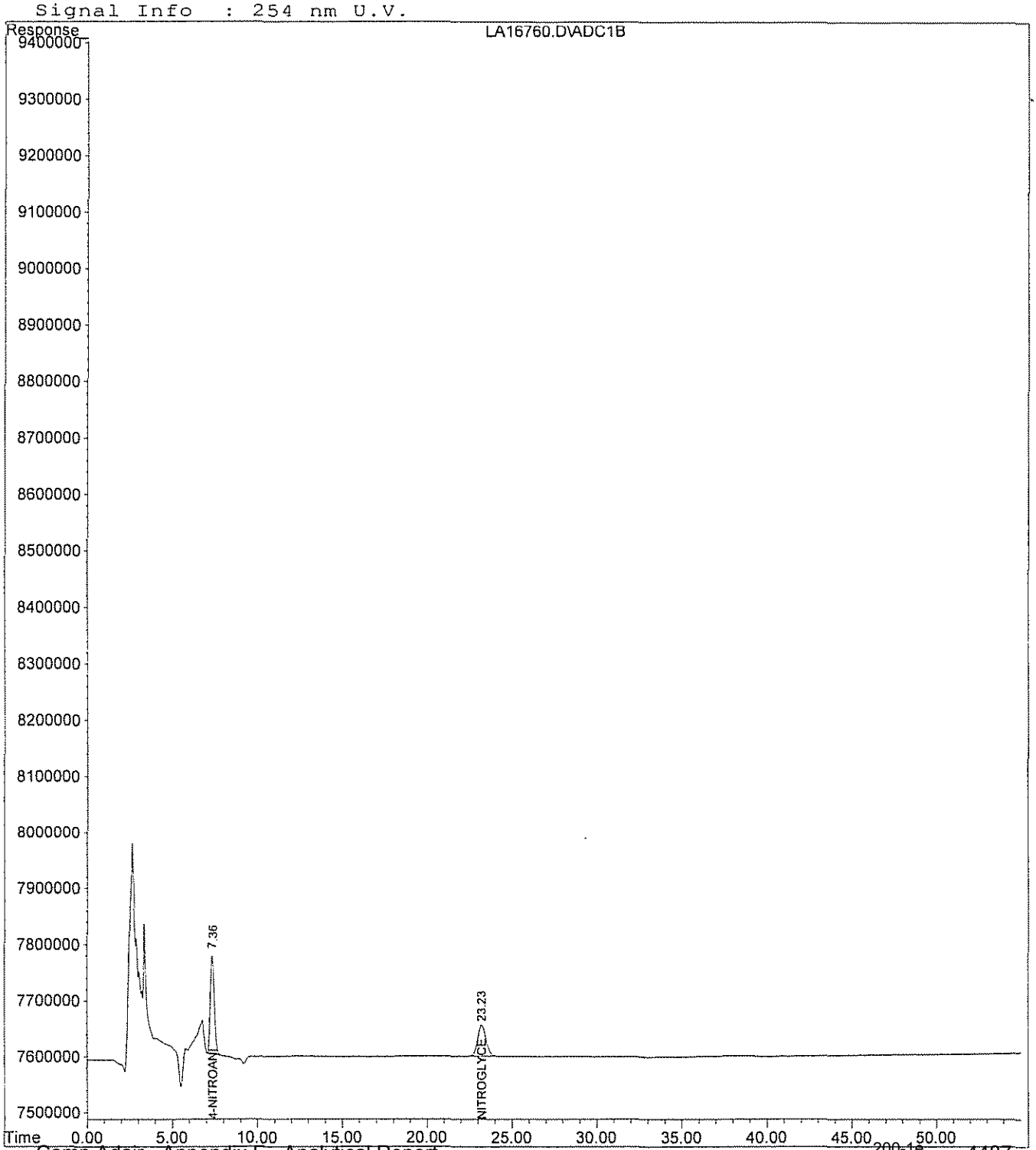
(f)=RT Delta > 1/2 Window (m)=manual int.
LA16760.D 60607NG.M Fri Oct 20 12:29:31 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\101206\1012NG\LA16760.D Vial: 22
Acq On : 14 Oct 2006 12:38 Operator: AG
Sample : 8330NG Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 16 7:44 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Continuing Calibration Report LCA

Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Fri Oct 20 12:29:40 2006
Response via : Initial Calibration

Continuing Calibration File: LA16773.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-NITROANILINE	122.588	118.125	E3	3.6	101
2	M	NITROGLYCERINE	1.760	1.877	E6	-6.6	103

(#) = out of range SPCC's out = 0 CCC's out = 0
LA16773.D 60607NG.M Fri Oct 20 12:29:42 2006 A

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\1012NG\LA16773.D Vial: 35
Acq On : 15 Oct 2006 1:31 Operator: AG
Sample : 8330NG Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 16 7:46 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.37	29531344	240.899 PPB m
Spiked Amount 300.000		Recovery =	80.30%
Target Compounds			
2) M NITROGLYCERINE	23.17	18770815	10.664 PPM

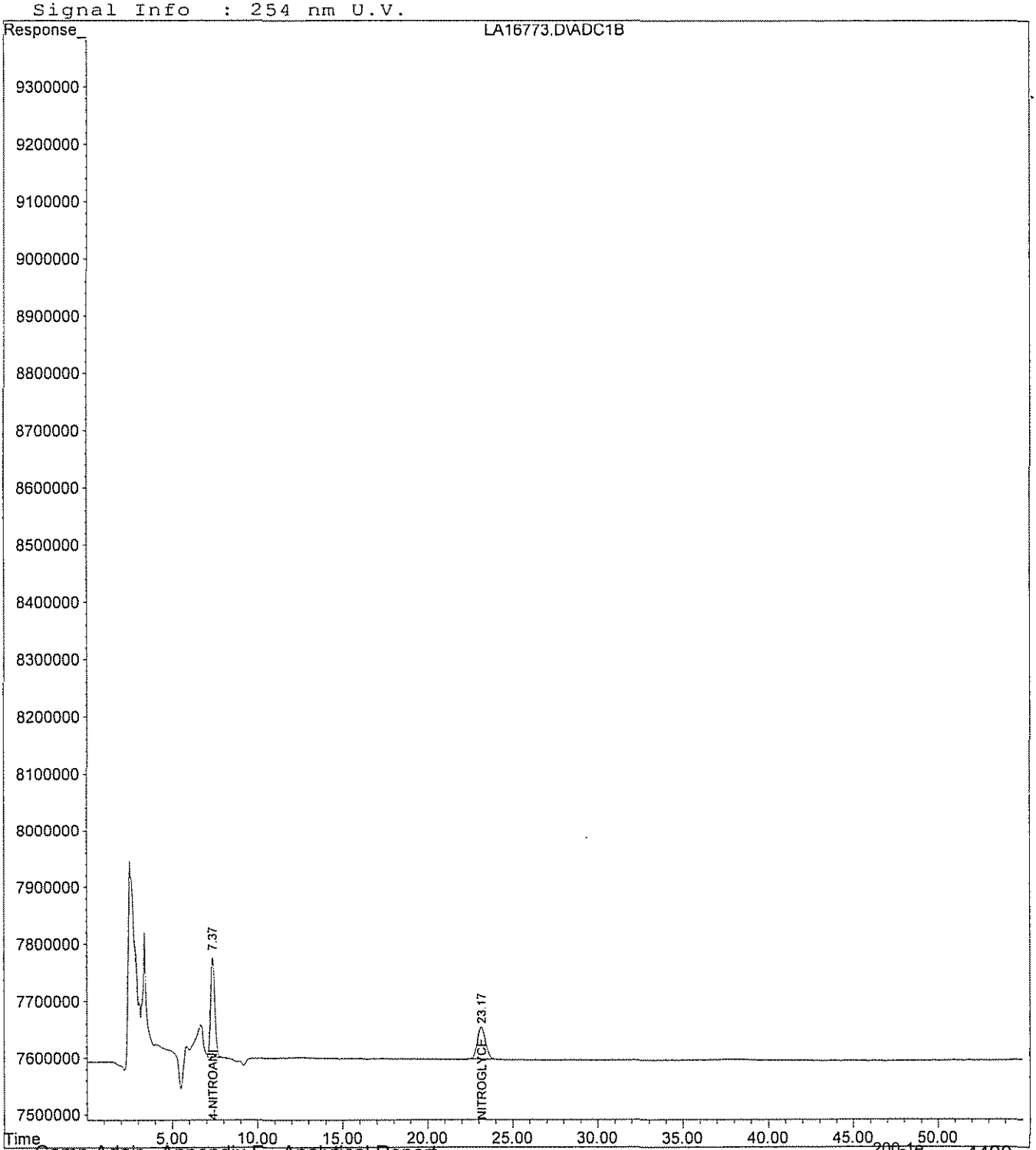
(f)=RT Delta > 1/2 Window (m)=manual int.
LA16773.D 60607NG.M Fri Oct 20 12:29:45 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\101206\1012NG\LA16773.D Vial: 35
Acq On : 15 Oct 2006 1:31 Operator: AG
Sample : 8330NG Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 16 7:46 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



D. Raw QC Data

1. Blank Data
2. Matrix Spike Data
3. Matrix Spike Duplicate Data
4. Laboratory Control Standard Data (where applicable)
5. Extraction Logsheet
6. Injection Logsheet

GPL Laboratories

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
BLK93963

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK93963
Sample Volume :	1000	Lab File ID :	LA16748.D
% Moisture:		Date Received	
Extraction:	SW3535	Date Extracted:	09/25/2006
Extract Volume:	20 mL	Date Analyzed	10/14/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.20	U
118-96-7	2,4,6-Trinitrotoluene	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.20	U
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.20	U
2691-41-0	HMX	0.40	U
98-95-3	Nitrobenzene	0.20	U
121-82-4	RDX	0.40	U
479-45-8	Tetryl	0.40	U
99-08-1	m-Nitrotoluene	0.40	U
88-72-2	o-Nitrotoluene	0.40	U
99-99-0	p-Nitrotoluene	0.40	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK93968

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK93968
Sample Volume :	1000	Lab File ID :	LA16748.D
% Moisture:		Date Received	
Extraction:	EXT_SW8330	Date Extracted:	09/25/2006
Extract Volume:	20 mL	Date Analyzed	10/14/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	20	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\LA16748.D Vial: 10
Acq On : 14 Oct 2006 00:43 Operator: AG
Sample : BLK93963 Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 16 8:40 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.42	34785787	265.973 ng/ml

Spiked Amount 300.000 Range 49 - 133 Recovery = 88.66%

Target Compounds

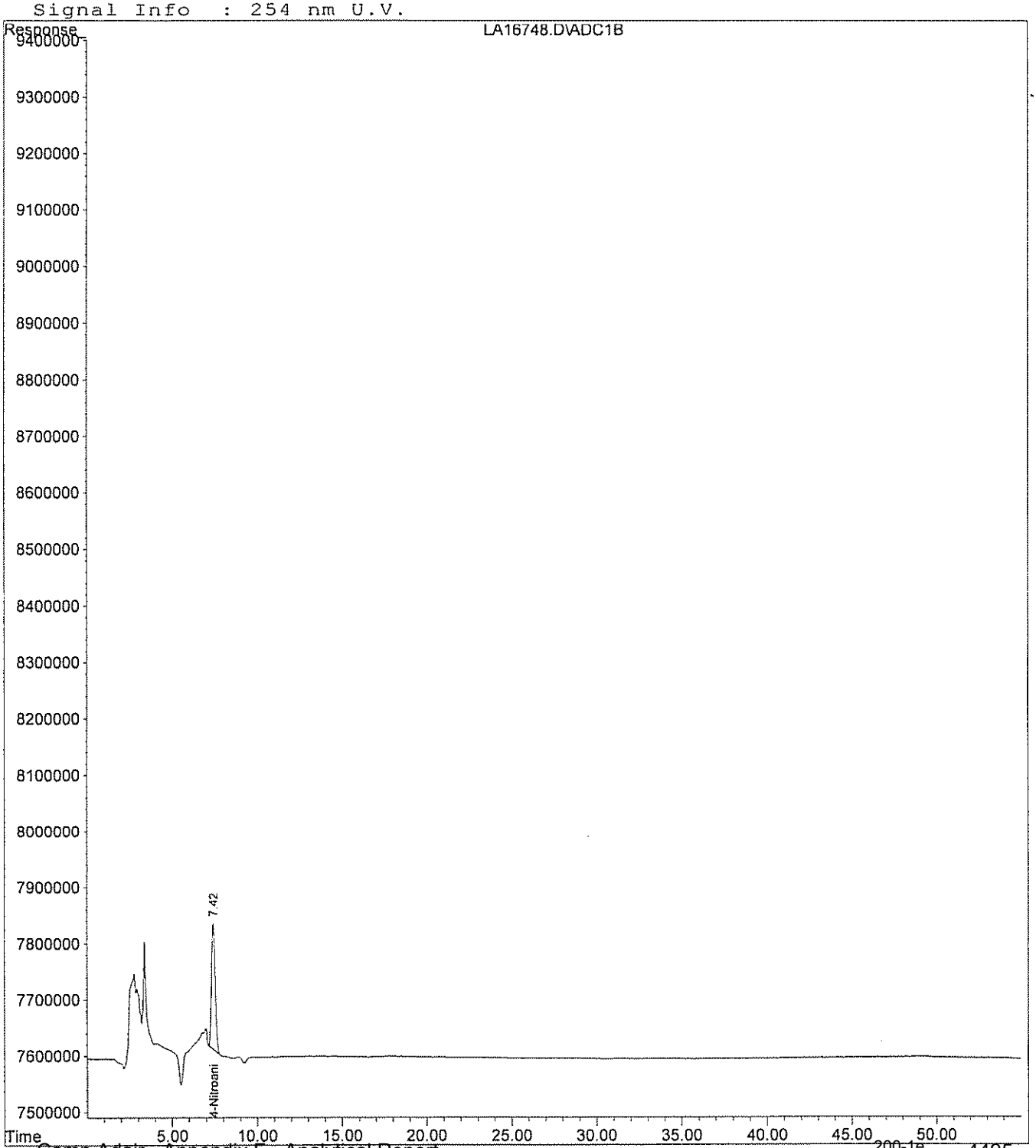
(f)=RT Delta > 1/2 Window (m)=manual int.
LA16748.D 67258330.M Wed Oct 18 08:51:42 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\101206\LA16748.D Vial: 10
Acq On : 14 Oct 2006 00:43 Operator: AG
Sample : BLK93963 Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 16 8:40 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\1012NG\LA16748.D Vial: 10
Acq On : 14 Oct 2006 00:43 Operator: AG
Sample : BLK93963/93968 Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 9:51 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 4-NITROANILINE	7.42	35512804	289.693	PPB
Spiked Amount 300.000		Recovery =	96.56%	
Target Compounds				
2) M NITROGLYCERINE	0.00	0	N.D.	PPM

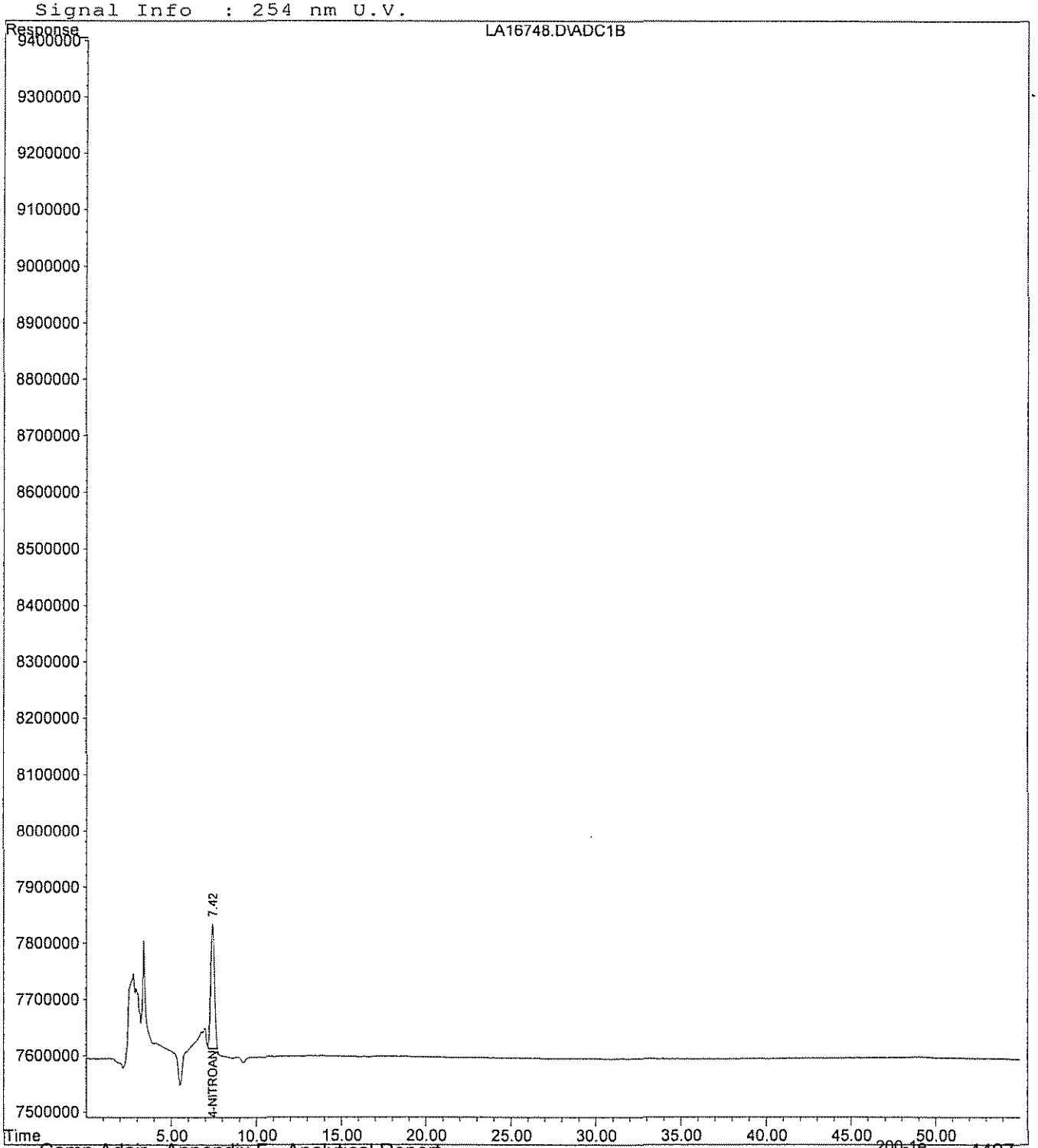
(f)=RT Delta > 1/2 Window (m)=manual int.
LA16748.D 60607NG.M Wed Oct 18 10:03:52 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\101206\1012NG\LA16748.D Vial: 10
Acq On : 14 Oct 2006 00:43 Operator: AG
Sample : BLK93963/93968 Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 9:51 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3005MS

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609118-001-033-1/6MS
Sample Volume :	990	Lab File ID :	LA16750.D
% Moisture:		Date Received	09/22/2006
Extraction:	SW3535	Date Extracted:	09/25/2006
Extract Volume:	20 mL	Date Analyzed	10/14/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	1.1	
99-65-0	1,3-Dinitrobenzene	2.2	
118-96-7	2,4,6-Trinitrotoluene	3.7	
121-14-2	2,4-Dinitrotoluene	4.5	
606-20-2	2,6-Dinitrotoluene	5.6	
35572-78-2	2-Amino-4,6-Dinitrotoluene	4.8	
19406-51-0	4-Amino-2,6-Dinitrotoluene	4.7	
2691-41-0	HMX	2.6	
98-95-3	Nitrobenzene	2.0	
121-82-4	RDX	2.5	
479-45-8	Tetryl	1.6	
99-08-1	m-Nitrotoluene	5.3	
88-72-2	o-Nitrotoluene	5.2	
99-99-0	p-Nitrotoluene	5.1	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3005MS

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609118-001-033-1/6MS
Sample Volume :	990	Lab File ID :	LA16753.D
% Moisture:		Date Received	09/22/2006
Extraction:	EXT_SW8330	Date Extracted:	09/25/2006
Extract Volume:	20 mL	Date Analyzed	10/14/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	92	

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\LA16750.D Vial: 12
Acq On : 14 Oct 2006 2:42 Operator: AG
Sample : 609118-001-033-1/6MS Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 14:13 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.43	20027321	153.129	ng/mlm
Spiked Amount		300.000	Range 49 - 133	Recovery	= 51.04%	
Target Compounds						
1)	T	HMX	4.74	16108340	130.673	ng/ml
3)	T	1,3,5-Trinitrobenzene	14.17	18700160	53.886	ng/mlm
4)	T	Tetryl	21.41f	19651226	79.488	ng/ml
5)	T	2,4,6-Trinitrotoluene	25.91	63261237	185.259	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	28.11	57695247	234.518	ng/ml
7)	T	2,6-Dinitrotoluene	32.97	61732938	275.734	ng/ml
8)	T	4-Nitrotoluene	46.38f	51880159	253.726	ng/ml
9)	M	RDX	9.49	20661034	125.832	ng/ml
10)	M	1,3-Dinitrobenzene	19.03	55397371	107.333	ng/ml
11)	M	Nitrobenzene	23.19	37312082	100.497	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	29.80	85125456	235.856	ng/ml
13)	M	2,4-Dinitrotoluene	34.13	118709192	224.045	ng/ml
14)	M	2-Nitrotoluene	43.04f	59492444	257.297	ng/mlm
15)	M	3-Nitrotoluene	50.48f	66514520	260.777	ng/ml

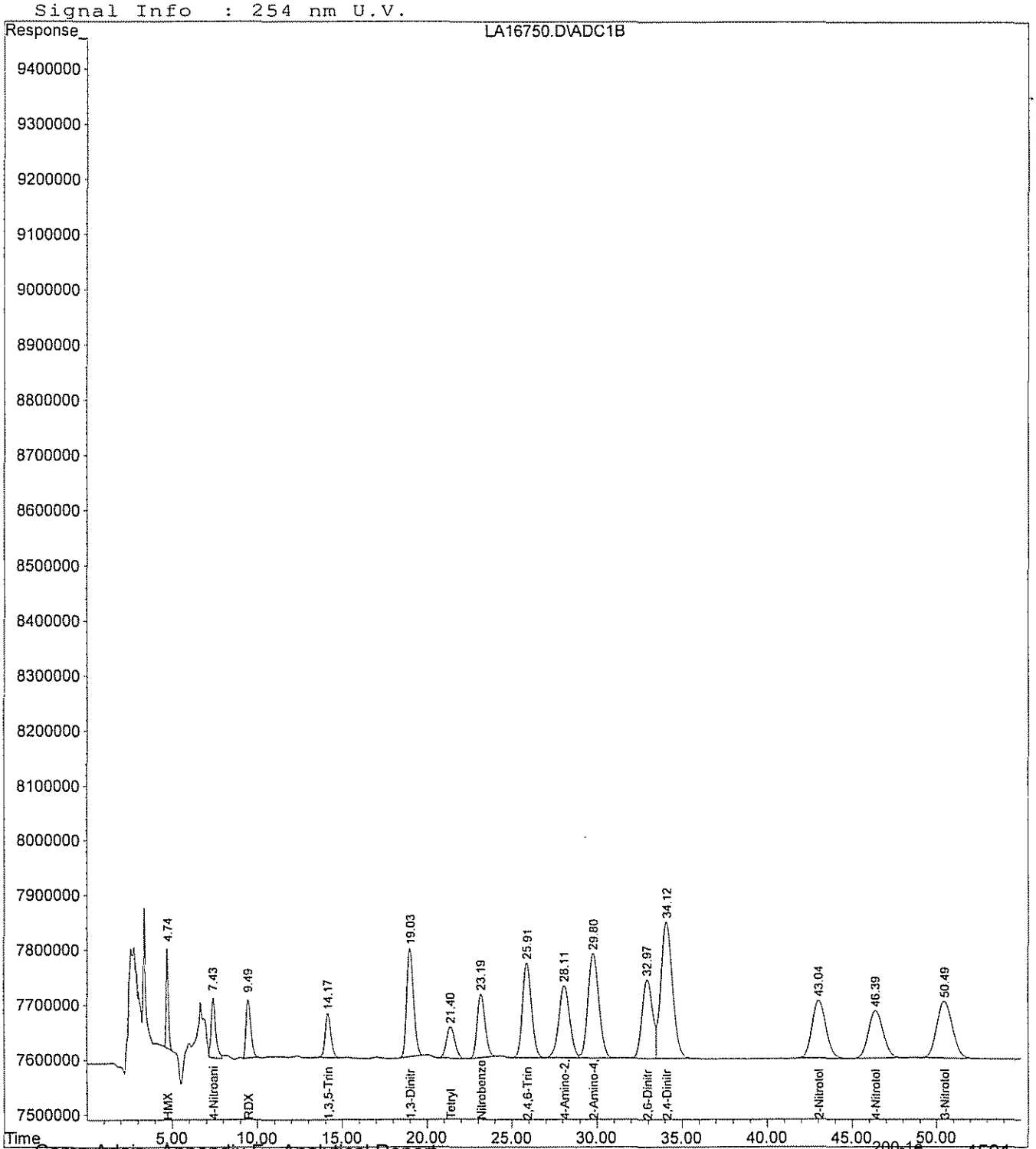
(f)=RT Delta > 1/2 Window (m)=manual int.
LA16750.D 67258330.M Fri Oct 20 12:23:27 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\101206\LA16750.D Vial: 12
Acq On : 14 Oct 2006 2:42 Operator: AG
Sample : 609118-001-033-1/6MS Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 14:13 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\1012NG\LA16753.D Vial: 15
Acq On : 14 Oct 2006 5:41 Operator: AG
Sample : 609118-001-033-1/6MS Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 9:52 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	7.40	41030915	334.706	PPB	m
Spiked Amount 300.000		Recovery =	111.57%		
Target Compounds					
2) M NITROGLYCERINE	23.37	8010378	4.551	PPM	m

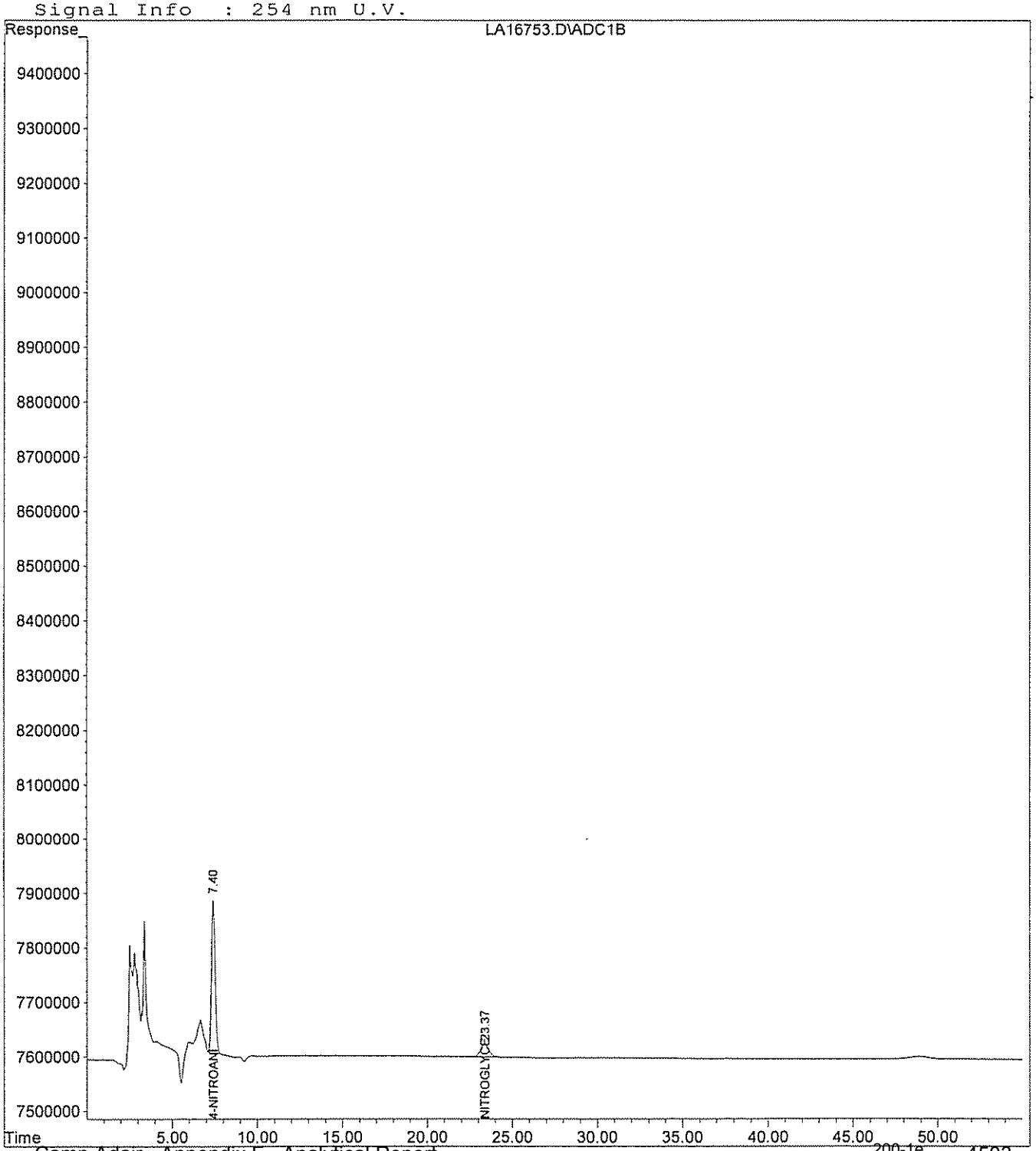
(f)=RT Delta > 1/2 Window (m)=manual int.
LA16753.D 60607NG.M Wed Oct 18 10:03:58 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\101206\1012NG\LA16753.D Vial: 15
Acq On : 14 Oct 2006 5:41 Operator: AG
Sample : 609118-001-033-1/6MS Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 9:52 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3005MSD

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609118-001-033-1/6MSD
Sample Volume :	990	Lab File ID :	LA16751.D
% Moisture:		Date Received	09/22/2006
Extraction:	SW3535	Date Extracted:	09/25/2006
Extract Volume:	20 mL	Date Analyzed	10/14/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.67	
99-65-0	1,3-Dinitrobenzene	1.6	
118-96-7	2,4,6-Trinitrotoluene	2.3	
121-14-2	2,4-Dinitrotoluene	2.8	
606-20-2	2,6-Dinitrotoluene	3.6	
35572-78-2	2-Amino-4,6-Dinitrotoluene	3.0	
19406-51-0	4-Amino-2,6-Dinitrotoluene	3.0	
2691-41-0	HMX	2.0	
98-95-3	Nitrobenzene	1.5	
121-82-4	RDX	2.2	
479-45-8	Tetryl	0.89	
99-08-1	m-Nitrotoluene	3.5	
88-72-2	o-Nitrotoluene	3.4	
99-99-0	p-Nitrotoluene	3.3	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3005MSD

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609118-001-033-1/6MSD
Sample Volume :	990	Lab File ID :	LA16754.D
% Moisture:		Date Received	09/22/2006
Extraction:	EXT_SW8330	Date Extracted:	09/25/2006
Extract Volume:	20 mL	Date Analyzed	10/14/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	91	

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\LA16751.D Vial: 13
Acq On : 14 Oct 2006 3:42 Operator: AG
Sample : 609118-001-033-1/6MSD Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 14:14 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
2)	S	4-Nitroaniline	7.40	18508923	141.519	ng/mlm
Spiked Amount		300.000	Range 49 - 133	Recovery	= 47.17%#	
		Target Compounds				
1)	T	HMX	4.73	12130220	98.402	ng/ml
3)	T	1,3,5-Trinitrobenzene	14.14	11446439	32.984	ng/mlm
4)	T	Tetryl	21.42f	10914203	44.147	ng/mlm
5)	T	2,4,6-Trinitrotoluene	25.92	38823121	113.693	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	28.13	36702468	149.187	ng/ml
7)	T	2,6-Dinitrotoluene	32.97	39594379	176.851	ng/ml
8)	T	4-Nitrotoluene	46.35f	33507151	163.871	ng/ml
9)	M	RDX	9.45	17802798	108.424	ng/ml
10)	M	1,3-Dinitrobenzene	19.01	40735242	78.925	ng/ml
11)	M	Nitrobenzene	23.20	27085268	72.952	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	29.82	54540299	151.114	ng/ml
13)	M	2,4-Dinitrotoluene	34.12	74198030	140.037	ng/ml
14)	M	2-Nitrotoluene	43.00f	38500985	166.512	ng/mlm
15)	M	3-Nitrotoluene	50.46f	44354575	173.896	ng/ml

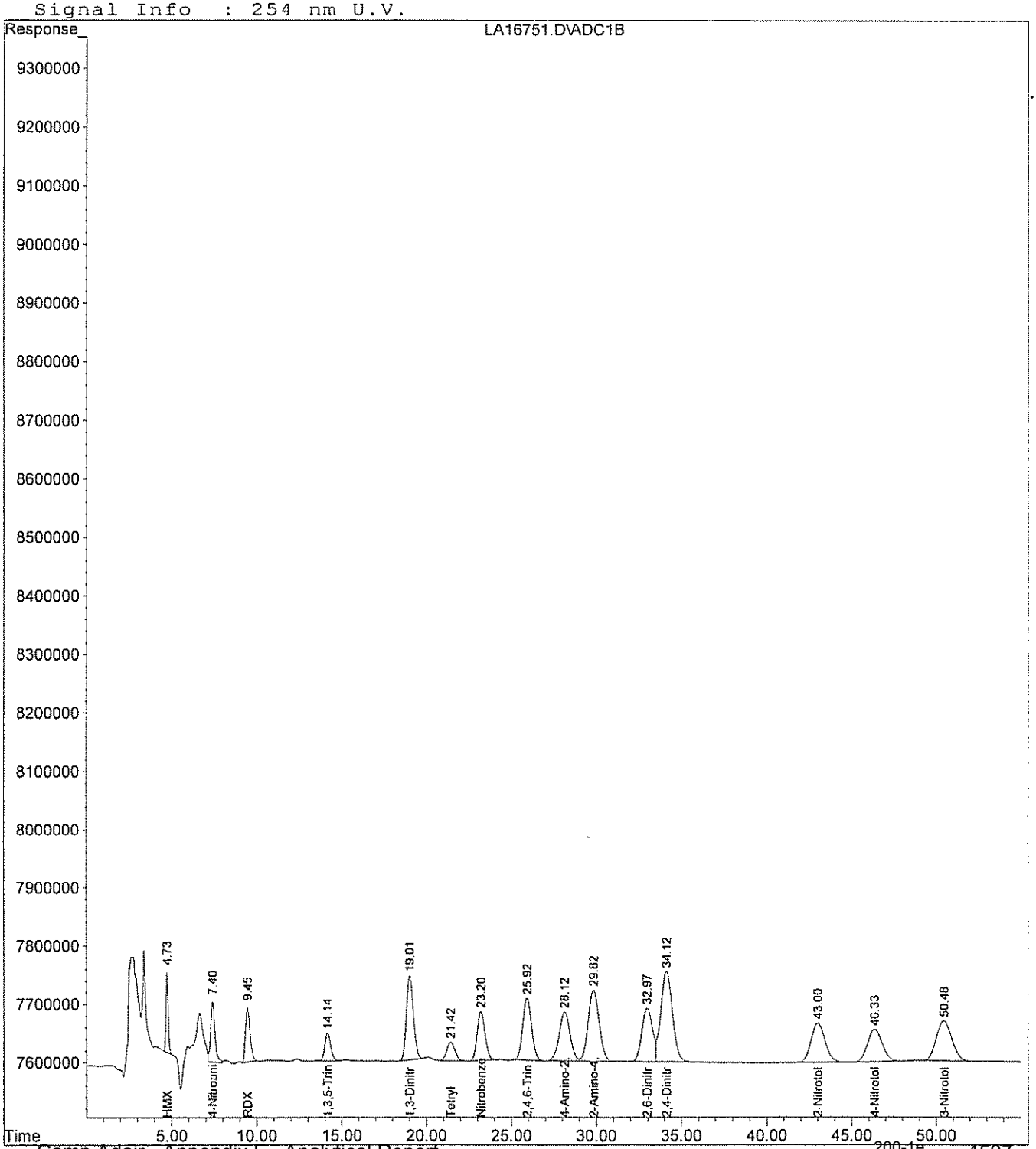
(f)=RT Delta > 1/2 Window (m)=manual int.
LA16751.D 67258330.M Fri Oct 20 12:23:32 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\101206\LA16751.D Vial: 13
Acq On : 14 Oct 2006 3:42 Operator: AG
Sample : 609118-001-033-1/6MSD Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 14:14 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\1012NG\LA16754.D Vial: 16
Acq On : 14 Oct 2006 6:41 Operator: AG
Sample : 609118-001-033-1/6MSD Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 9:52 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	7.40	32778509	267.388	PPB	m
Spiked Amount 300.000		Recovery =	89.13%		
Target Compounds					
2) M NITROGLYCERINE	23.31	7908176	4.493	PPM	m

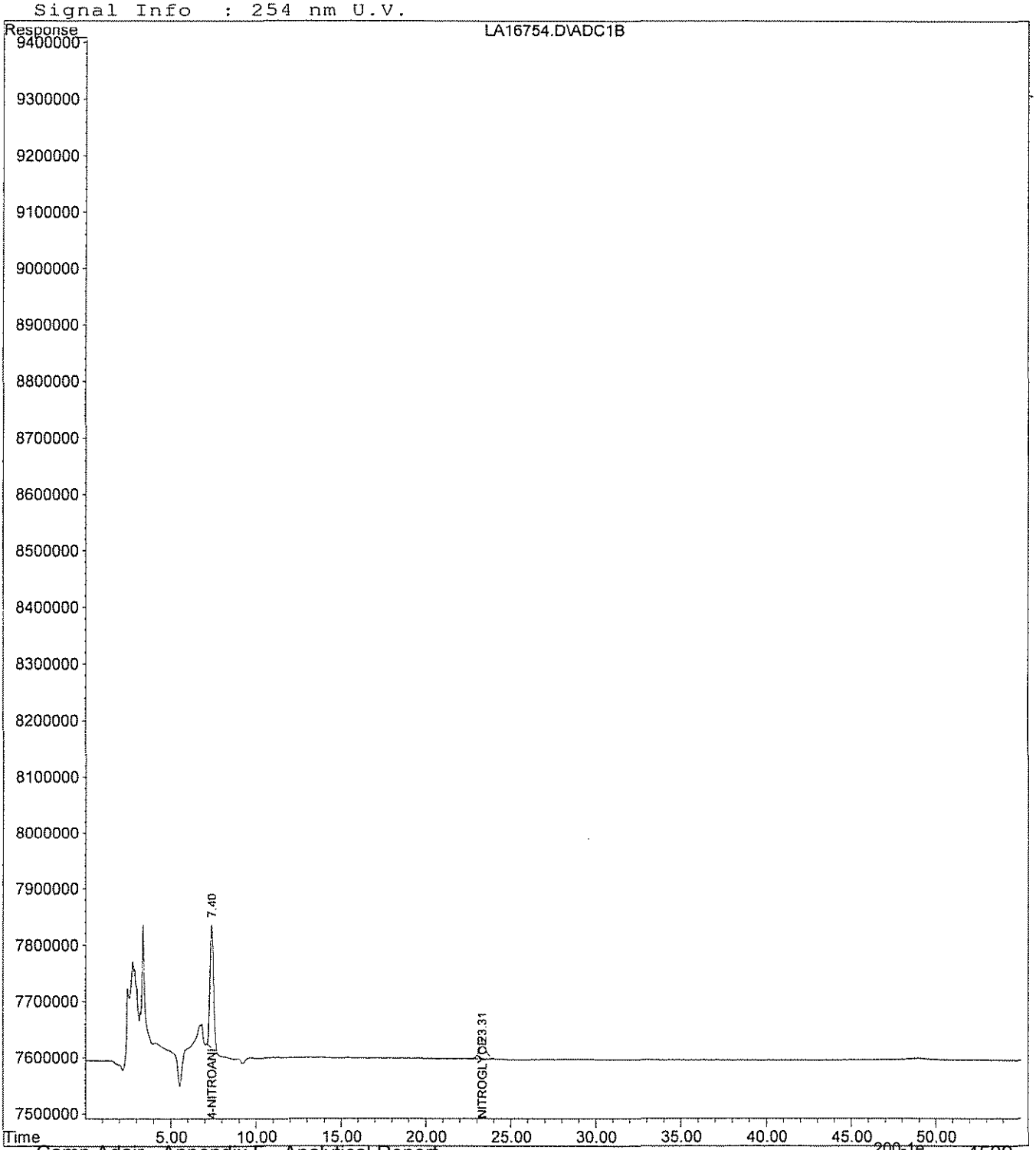
(f)=RT Delta > 1/2 Window (m)=manual int.
LA16754.D 60607NG.M Wed Oct 18 10:04:01 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\101206\1012NG\LA16754.D Vial: 16
Acq On : 14 Oct 2006 6:41 Operator: AG
Sample : 609118-001-033-1/6MSD Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 9:52 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS93963

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKS93963
Sample Volume :	1000	Lab File ID :	LA16749.D
% Moisture:		Date Received	
Extraction:	SW3535	Date Extracted:	09/25/2006
Extract Volume:	20 mL	Date Analyzed	10/14/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	3.5	
99-65-0	1,3-Dinitrobenzene	3.8	
118-96-7	2,4,6-Trinitrotoluene	3.7	
121-14-2	2,4-Dinitrotoluene	3.6	
606-20-2	2,6-Dinitrotoluene	4.1	
35572-78-2	2-Amino-4,6-Dinitrotoluene	3.8	
19406-51-0	4-Amino-2,6-Dinitrotoluene	3.8	
2691-41-0	HMX	3.9	
98-95-3	Nitrobenzene	3.6	
121-82-4	RDX	3.7	
479-45-8	Tetryl	3.0	
99-08-1	m-Nitrotoluene	3.6	
88-72-2	o-Nitrotoluene	3.9	
99-99-0	p-Nitrotoluene	3.5	

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
BKS93968

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKS93968
Sample Volume :	1000	Lab File ID :	LA16752.D
% Moisture:		Date Received	
Extraction:	EXT_SW8330	Date Extracted:	09/25/2006
Extract Volume:	20 mL	Date Analyzed	10/14/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	68	

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\LA16749.D Vial: 11
Acq On : 14 Oct 2006 1:43 Operator: AG
Sample : BKS93963 Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 14:12 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
2)	S	4-Nitroaniline	7.38	31114660	237.903	ng/ml
Spiked Amount		300.000	Range 49 - 133	Recovery =	79.30%	
		Target Compounds				
1)	T	HMX	4.72	24329475	197.364	ng/ml
3)	T	1,3,5-Trinitrobenzene	14.11	60139463	173.296	ng/ml
4)	T	Tetryl	21.24	37534959	151.827	ng/ml
5)	T	2,4,6-Trinitrotoluene	25.90	63839416	186.952	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	28.12	46195046	187.772	ng/ml
7)	T	2,6-Dinitrotoluene	32.99	46037176	205.628	ng/ml
8)	T	4-Nitrotoluene	46.35f	36235547	177.214	ng/ml
9)	M	RDX	9.40	30435945	185.364	ng/ml
10)	M	1,3-Dinitrobenzene	18.97	97685222	189.267	ng/ml
11)	M	Nitrobenzene	23.17	66757513	179.806	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	29.81	68959987	191.066	ng/ml
13)	M	2,4-Dinitrotoluene	34.14	94370664	178.110	ng/ml
14)	M	2-Nitrotoluene	43.03f	45017121	194.693	ng/mlm
15)	M	3-Nitrotoluene	50.45f	45659928	179.014	ng/ml

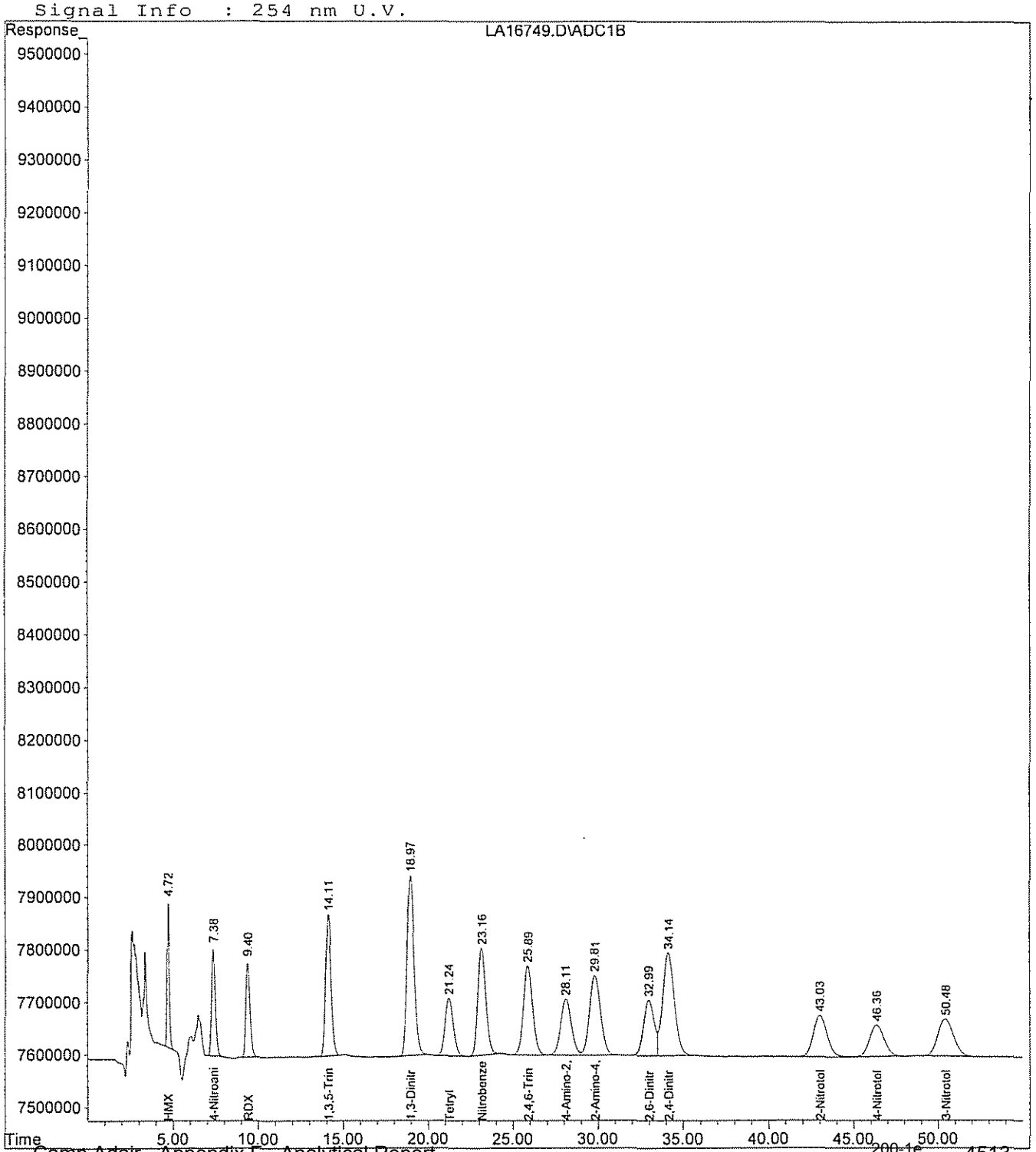
(f)=RT Delta > 1/2 Window (m)=manual int.
LA16749.D 67258330.M Fri Oct 20 12:23:23 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\101206\LA16749.D Vial: 11
Acq On : 14 Oct 2006 1:43 Operator: AG
Sample : BKS93963 Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 14:12 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\1012NG\LA16752.D Vial: 14
Acq On : 14 Oct 2006 4:42 Operator: AG
Sample : BKS93968 Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 9:51 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.39	33601529	274.102 PPB
Spiked Amount 300.000		Recovery =	91.37%
Target Compounds			
2) M NITROGLYCERINE	23.34	6028523	3.425 PPM m

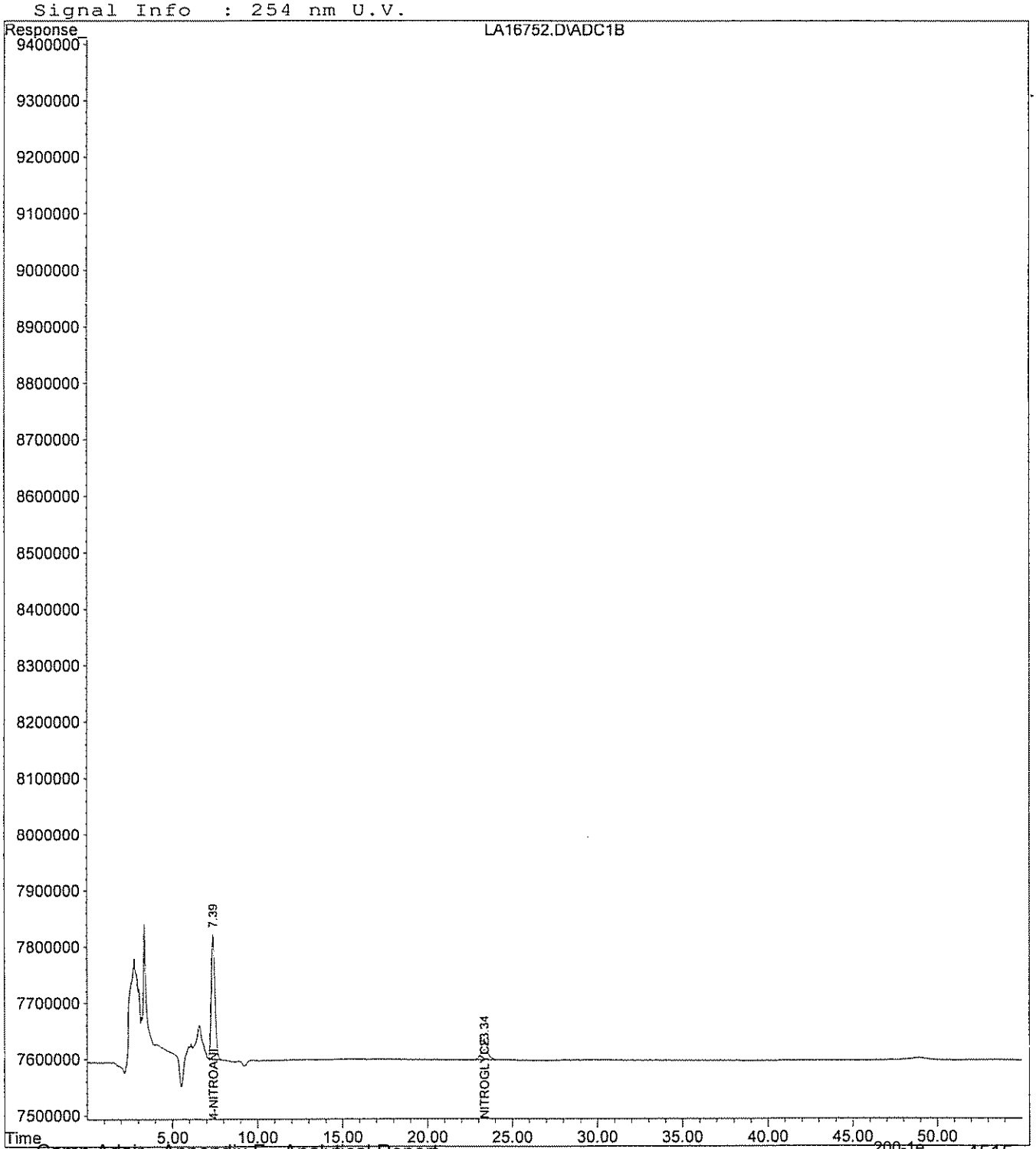
(f)=RT Delta > 1/2 Window (m)=manual int.
LA16752.D 60607NG.M Wed Oct 18 10:03:55 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\101206\1012NG\LA16752.D Vial: 14
Acq On : 14 Oct 2006 4:42 Operator: AG
Sample : BKS93968 Inst : LCA
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 9:51 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



EXPLOSIVES /NITROGUANIDINE /NITROGLYCERINE /PICRIC ACID /PETN EXTRACTION LOG

SOIL / WATER / WIPES

Approval / Date: DS/09/26/06 Client: Shaw

Analysis Method: 8330+PETN+NG

Extraction Chemist: YT Date: 9-25-06 Spike Witness: D-S-S

Work Order	Fraction	Sample Amount gram/mL	Surrogate Added, mL	Spike Added, mL	Final Volume, mL
609118	BLK	1000	1.0	—	20.0
	BKS1	1000		1.0+0.4	
	BKS2	1000		1.0	
	001MS1	990/1L		1.0+0.4	
	001MSD1	990/1L		↓	
	001MS2	990/1L		1.0	
	001MSD2	990/1L		↓	
	001	990/1L		—	
	002	980/1L			
	003	990/1L			
	005	950/1L			
	006	990/1L			
609117	001	980/1L			
	002	950/1L			
	003	980/1L			
	004	990/1L			
	005	960/1L			
	006	980/1L			

Solvent: Acetonitrile / DI Water

Solvent Lot #: 051296 Matrix Spike #: 37629 Matrix Spike Conc.: 5.0 PPM

Surrogate Solution #: 37212 Matrix Spike #: 37353 PETN Matrix Spike Conc.: 10.0 PPM

Surrogate Conc.(s): 6. PPM Matrix Spike #: 37354 DG Matrix Spike Conc.: 100 PPM

Calcium Chloride#: — Sodium Sulfate#: — Sand#:

Sodium Chloride#: —

Comments & Observations: most of the Samples filtered

xenco for 8330A # 93963
xenco for 8330+PETN # 93964
xenco for 8330+NG # 93968

Lca P

HPLC ANALYSIS LOGBOOK

Instrument ID: LC # A (HP1100)

8330NG 60607NG

Method File: h:\Lcdata\Lca\methods	Data File Path: h:\Lcdata\Lca\060706
Detector/ Wavelength: UV 254 nm	Mobile Phase: 8330-L49-57-25
Injection Volume: 100 ul	Flow Rate: 0.9 ml/min

ICAL: 60607NG Analyst: S.S. Reviewed by: _____ Date: _____

File	Lab ID	Date	Dilution	Column	Matrix	Comments
LA 14359	8330NG-BLK	06/07/06	1	C8	C Cal	
LA 60	-LEV1					
LA 61	-LEV2					
LA 62	-LEV3					
LA 63	-LEV4					
LA 64	-LEV5					
LA 65	-ICV					# 36674
LA						
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S.S. 06/08/06

Remarks	Standard	Solution ID	Conc.	Date Prep.
#74894	4-Nitroaniline	36170	10ppm	02/14/06
	Nitroglycerine	36933	100ppm	05/16/06

Lcd Conf-

HPLC ANALYSIS LOGBOOK

Instrument ID: LC # D (HP1100)

8330 Lcd 6525 CON Conf-

Method File: h:\lcdata\Lcd\methods	Data File Path: h:\lcdata\Lcd\052506
Detector/ Wavelength: UV 254 nm	Mobile Phase: 8330 Conf-249-57-12
Injection Volume: 100 ul	Flow Rate: 1.00 ml/min

ICAL: 6525Con Analyst: S.S. Reviewed by: Date:

File	Lab ID	Date	Dilution	Column	Matrix	Comments
LCD 30910	8330mix-BLK	05/25/06	1	Polar	C Cal	
LCD 11	-LEV1					
LCD 12	-LEV2					
LCD 13	-LEV3					
LCD 14	-LEV4					
LCD 15	-LEV5					
LCD 16	-LEV6					
~~LCD 17~~						
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Remarks	Standard	Solution ID	Conc.	Date Prep.
File 30917 not used	8330mix	36921 ~~[illegible]~~	10/20ppm	05/16/06

Lca P

HPLC ANALYSIS LOGBOOK

Instrument ID: LC # A (HP1100)

Method File: h:\lcdata\lca\methods	
Detector/ Wavelength: UV 254 nm	
Injection Volume: 100 ul	

8330 6725833c

Data File Path: h:\lcdata\lca\072406	
Mobile Phase: 8330 - L49-59-31	
Flow Rate: 0.9 ml/min	

ICAL: 6725833c Analyst: S. S. Reviewed by: _____ Date: _____

File	Lab ID	Date	Dilution	Column	Matrix	Comments
LA						
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Injection Log

Directory: h:\lcdata\lca\072406

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	la15126.d	1.	8330MIX-BLK	C CAL	24 Jul 106 12::5
2	2	la15127.d	1.	8330MIX-LEV1	C CAL	24 Jul 106 12::4
3	3	la15128.d	1.	8330MIX-LEV2	C CAL	24 Jul 106 12::4
4	4	la15129.d	1.	8330MIX-LEV3	C CAL	24 Jul 106 13::4
5	5	la15130.d	1.	8330MIX-LEV4	C CAL	24 Jul 106 13::4
6	6	la15131.d	1.	8330MIX-LEV5	C CAL	25 Jul 106 13::4
7	7	la15132.d	1.	8330MIX-LEV6	C CAL	25 Jul 106 12::4
8	8	la15133.d	1.	8330MIX-ICV	C CAL	25 Jul 106 12::4
9	9	la15134.d	1.	8330MIX	C CAL	25 Jul 106 12::4
10	10	la15135.d	1.	BLK82682	WATER	25 Jul 106 12::4
11	11	la15136.d	1.	607135-020-020-1/1	WATER	25 Jul 106 12::4
12	12	la15137.d	1.	607136-005-009-1/2	WATER	25 Jul 106 12::4
13	13	la15138.d	1.	607135-001-012-1/1	SOIL	25 Jul 106 12::4
14	14	la15139.d	1.	607135-002-001-1/1	SOIL	25 Jul 106 12::4
15	15	la15140.d	1.	607135-003-002-1/1	SOIL	25 Jul 106 12::4
16	16	la15141.d	1.	607135-004-003-1/1	SOIL	25 Jul 106 13::4
17	17	la15142.d	1.	607135-005-004-1/1X20	SOIL	25 Jul 106 13::4
18	18	la15143.d	1.	607135-006-005-1/1	SOIL	25 Jul 106 13::4
19	19	la15144.d	1.	607135-007-006-1/1	SOIL	25 Jul 106 12::4
20	20	la15145.d	1.	8330MIX	C CAL	25 Jul 106 12::4
21	21	la15146.d	1.	607135-008-007-1/1	SOIL	25 Jul 106 12::4
22	22	la15147.d	1.	607135-009-008-1/1	SOIL	25 Jul 106 12::3
23	23	la15148.d	1.	607135-010-009-1/1	SOIL	25 Jul 106 12::3
24	24	la15149.d	1.	BLK82697	SOIL	25 Jul 106 12::3
25	25	la15150.d	1.	BKS82582	WATER	25 Jul 106 12::3
26	26	la15151.d	1.	BKSD82582	WATER	25 Jul 106 12::3
27	27	la15152.d	1.	BKS82697	SOIL	25 Jul 106 12::3
28	28	la15153.d	1.	607135-002-001-1/1MS	SOIL	25 Jul 106 13::3
29	29	la15154.d	1.	607135-002-001-1/1MSD	SOIL	25 Jul 106 13::3
30	30	la15155.d	1.	606159-002-002-1/1(1:10)	SOIL	26 Jul 106 13::3
31	31	la15156.d	1.	606159-006-006-1/1(1:10)	SOIL	26 Jul 106 12::3
32	32	la15157.d	1.	8330MIX	C CAL	26 Jul 106 12::3
33	33	la15158.d	1.	BLK82732	SOIL	26 Jul 106 12::3
34	34	la15159.d	1.	BKS82732	SOIL	26 Jul 106 12::3
35	35	la15160.d	1.	607162-004-004-1/1MS	SOIL	26 Jul 106 12::3
36	36	la15161.d	1.	607162-004-004-1/1MSD	SOIL	26 Jul 106 12::3
37	37	la15162.d	1.	607162-003-003-1/1	SOIL	26 Jul 106 12::3
38	38	la15163.d	1.	607162-004-004-1/1	SOIL	26 Jul 106 12::3
39	39	la15164.d	1.	607162-005-005-1/1	SOIL	26 Jul 106 12::3
40	40	la15165.d	1.	607162-006-006-1/1	SOIL	26 Jul 106 13::3

Remarks	Standard	Solution ID	Conc.	Date Prep.
90402 8330	8330 mix	37486	10/20 ppm	07/21/06
91372 8330A				

HPLC ANALYSIS LOGBOOK

Instrument ID: LC # A (HP1100)

Method File: H:\Lcdata\Lca\Methods	Data File Path: H:\Lcdata\Lca\101206
Detector/ Wavelength: UV 254 nm.	Mobile Phase: 8330-L19-64-9
Injection Volume: 100 uL.	Flow Rate: 0.9 ml/min.

ICAL: ~~67258330~~ 6GG7NG Analyst: AG Reviewed by: ST. Date: 10/18/06

Injection Log

Directory: h:\lcdata\lca\101206

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected	Comments
1		la16709.d	1.	8330 mix ok	CCAL	12 Oct	
2	2	la16710.d	1.	8330NG --- ok	SOIL.PARSONS	12 Oct	
3	3	la16711.d	1.	BLK94234 --- ok	SOIL.PARSONS	12 Oct	
4	4	la16712.d	1.	BKS94233 --- ok	SOIL.PARSONS	12 Oct	
5	5	la16713.d	1.	610038-001-001-1/1MS --- ok	SOIL.PARSONS	12 Oct	
6	6	la16714.d	1.	610038-001-001-1/1MSD --- ok	SOIL.PARSONS	12 Oct	
7	7	la16715.d	1.	BKS94234	SOIL.PARSONS	12 Oct	
8	8	la16716.d	1.	610038-001-001-1/1MS	SOIL.PARSONS	12 Oct	
9	9	la16717.d	1.	610038-001-001-1/1MSD	SOIL.PARSONS	12 Oct	
10	10	la16718.d	1.	610038-001-001-1/1 --- ok	SOIL.PARSONS	12 Oct	
11	11	la16719.d	1.	BLK94201 --- ok	SOIL.TETRATECH	12 Oct	
12	12	la16720.d	1.	BKS94201 --- ok	SOIL.TETRATECH	12 Oct	
13	13	la16721.d	1.	RINSE	ACN	12 Oct	
14	14	la16722.d	1.	8330MIX --- ok	CCAL	12 Oct	
15	15	la16723.d	1.	8330NG --- ok	CCAL	12 Oct	
16	16	la16724.d	1.	610014-004-007-1/2MS --- ok	SOIL.TETRATECH	13 Oct	
17	17	la16725.d	1.	610014-004-007-1/2MSD — ok	SOIL.TETRATECH	13 Oct	
18	18	la16726.d	1.	610014-002-001-1/1 - needs conf	SOIL.TETRATECH	13 Oct	
19	19	la16727.d	1.	610014-003-002-1/1 - needs conf + too oily	SOIL.TETRATECH	13 Oct	
20	20	la16728.d	1.	610014-004-007-1/2 - needs conf -	SOIL.TETRATECH	13 Oct	
21	21	la16729.d	1.	610014-005-003-1/1 - needs conf + too oily	SOIL.TETRATECH	13 Oct	
22	22	la16730.d	1.	609150-001-019-1/2 - needs conf	SOIL.EA	13 Oct	
23	23	la16731.d	1.	609150-003-021-1/2 - needs conf.	SOIL.EA	13 Oct	
24	24	la16732.d	1.	609150-004-023-1/2 - needs conf.	SOIL.EA	13 Oct	
25	25	la16733.d	1.	609150-006-025-1/2 - needs conf	SOIL.EA	13 Oct	
26	26	la16734.d	1.	RINSE	ACN	13 Oct	
27	27	la16735.d	1.	8330MIX --- ok	CCAL	13 Oct	
28	28	la16736.d	1.	609150-008-031-1/2 - needs conf	SOIL.EA	13 Oct	
29	29	la16737.d	1.	609150-010-027-1/2 - needs conf	SOIL.EA	13 Oct	
30	30	la16738.d	1.	609150-011-029-1/2 - needs conf	SOIL.EA	13 Oct	
31	1	la16739.d	1.	610016-002-084-1/2 - needs conf	SOIL.EA	13 Oct	
32	2	la16740.d	1.	610016-007-088-1/2 - needs conf	SOIL.EA	13 Oct	
33	3	la16741.d	1.	610016-008-086-1/2 - needs conf	SOIL.EA	13 Oct	
34	4	la16742.d	1.	610016-010-080-1/2 - needs conf	SOIL.EA	13 Oct	
35	5	la16743.d	1.	610016-011-082-1/2 - needs conf	SOIL.EA	13 Oct	
36	6	la16744.d	1.	610019-002-020-1/1 - needs conf	SOIL.EA	13 Oct	
37	7	la16745.d	1.	RINSE	ACN.	13 Oct	
38	8	la16746.d	1.	8330MIX --- ok	CCAL	13 Oct	
39	9	la16747.d	1.	8330NG --- ok	CCAL	13 Oct	
40	10	la16748.d	1.	BLK93963/93968 — ok	WATER.SHAW	14 Oct	
41	11	la16749.d	1.	BKS93963 --- ok	WATER.SHAW	14 Oct	
42	12	la16750.d	1.	609118-001-033-1/6MS - ok	WATER.SHAW	14 Oct	
43	13	la16751.d	1.	609118-001-033-1/6MSD - ok	WATER.SHAW	14 Oct	
44	14	la16752.d	1.	BKS93968	WATER.SHAW	14 Oct	
45	15	la16753.d	1.	609118-001-033-1/6MS	WATER.SHAW	14 Oct	
46	16	la16754.d	1.	609118-001-033-1/6MSD	WATER.SHAW	14 Oct	
47	17	la16755.d	1.	609118-001-033-1/6 - needs conf	WATER.SHAW	14 Oct	
48	18	la16756.d	1.	609118-002-001-1/2 - needs conf + very high	WATER.SHAW	14 Oct	
49	19	la16757.d	1.	609118-003-003-1/2 - needs conf + very high	WATER.SHAW	14 Oct	
50	20	la16758.d	1.	RINSE	ACN	14 Oct	
51	21	la16759.d	1.	8330MIX --- ok	CCAL	14 Oct	
52	22	la16760.d	1.	8330NG	CCAL	14 Oct	
53	23	la16761.d	1.	609118-005-005-1/2 - needs conf	CCAL	14 Oct	
54	24	la16762.d	1.	609118-006-007-1/2 ok	CCAL	14 Oct	
55	25	la16763.d	1.	BLK94219 --- ok	SOIL.TETRATECH	14 Oct	
56	26	la16764.d	1.	BKS94219 --- ok	SOIL.TETRATECH	14 Oct	
57	27	la16765.d	1.	610042-009-012-1/2MS — ok	SOIL.TETRATECH	14 Oct	

Page 1 16 Oct 06 07:36

		Conc.	Date Prep.
8330 Mix	38307	1012ppm	10/05/06
4-nitroaniline	10 ppm 38341	10 ppm	10/11/06
Nitroglycerine.	38189	100 ppm	09/18/2006

HPLC ANALYSIS LOGBOOK

Instrument ID: LC # A (HP1100)

Method File:	h:\lcdata\lca\methods
Detector/ Wavelength:	UV 254 nm
Injection Volume:	100 µL

Data File Path:	h:\lcdata\lca\101206
Mobile Phase:	8330-149-64-13
Flow Rate:	0.9 ~~0.8~~ mL/min

ICAL: 6725/8330/6016 NG Analyst: JCSA Reviewed by: STC Date: 10/18/06

Injection Log

Directory: h:\lcdata\lca\101206

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected	atrix	Comments
58	28	la16766.d	1.	610042-009-012-1/2MSD OK	SOIL.TETRATECH	14 Oct		
59	29	la16767.d	1.	610042-002-004-1/1 OK	SOIL.TETRATECH	14 Oct		
60	30	la16768.d	1.	610042-003-005-1/1 Needs conf	SOIL.TETRATECH	14 Oct		
61	31	la16769.d	1.	610042-004-006-1/1 OK	SOIL.TETRATECH	14 Oct		
62	32	la16770.d	1.	610042-005-007-1/1 Needs conf	SOIL.TETRATECH	14 Oct		
63	33	la16771.d	1.	RINSE	ACN	14 Oct		
64	34	la16772.d	1.	8330MIX OK	CCAL	15 Oct		
65	35	la16773.d	1.	8330NG OK	CCAL	15 Oct		
66	36	la16774.d	1.	610042-006-008-1/1 OK	SOIL.TETRATECH	15 Oct		
67	37	la16775.d	1.	610042-007-009-1/1 Needs conf	SOIL.TETRATECH	15 Oct		
68	38	la16776.d	1.	610042-008-010-1/1 Needs conf	SOIL.TETRATECH	15 Oct		
69	39	la16777.d	1.	610042-009-012-1/2 Needs conf	SOIL.TETRATECH	15 Oct		
70	40	la16778.d	1.	610042-010-011-1/1 Needs conf	SOIL.TETRATECH	15 Oct		
71	41	la16779.d	1.	610036-003-050-1/1 Needs conf	SOIL.EA	15 Oct		
72	42	la16780.d	1.	610036-004-053-1/1 Needs conf	SOIL.EA	15 Oct		
73	43	la16781.d	1.	610036-007-051-1/1 Needs conf	SOIL.EA	15 Oct		
74	44	la16782.d	1.	610039-001-007-1/1 Needs conf	SOIL.EA	15 Oct		
75	45	la16783.d	1.	610039-002-008-1/1 Needs conf	SOIL.EA	15 Oct		
76	46	la16784.d	1.	RINSE	ACN	15 Oct		
77	47	la16785.d	1.	8330MIX OK	CCAL	15 Oct		
78	48	la16786.d	1.	BLK94254 OK	WATER.EA	15 Oct		
79	49	la16787.d	1.	BKS94254 OK	WATER.EA	15 Oct		
80	50	la16788.d	1.	610045-006-080-1/24MS Recovery high	WATER.EA	15 Oct		
81	51	la16789.d	1.	610045-006-080-1/24MSD Recovery high	WATER.EA	15 Oct		
82	52	la16790.d	1.	610045-002-039-1/8 Needs conf/Surr ↑	WATER.EA	15 Oct		
83	53	la16791.d	1.	610045-004-047-1/8 Needs conf/Surr ↑	WATER.EA	15 Oct		
84	54	la16792.d	1.	610045-006-080-1/24 Needs conf/Surr ↑	WATER.EA	15 Oct		
85	55	la16793.d	1.	610045-011-055-1/8 Needs conf/Surr ↑	WATER.EA	15 Oct		
86	56	la16794.d	1.	BLK94229 OK	WATER.ARCADIS	15 Oct		
87	57	la16795.d	1.	BKS94229 OK	WATER.ARCADIS	15 Oct		
88	58	la16796.d	1.	RINSE	ACN	16 Oct		
89	59	la16797.d	1.	8330MIX OK	CCAL	16 Oct		
90	60	la16798.d	1.	BKSD94229 OK	WATER.ARCADIS	16 Oct		
91	61	la16799.d	1.	610041-001-009-1/2 Needs conf	WATER.ARCADIS	16 Oct		
92	62	la16800.d	1.	610041-002-011-1/2 Needs conf	WATER.ARCADIS	16 Oct		
93	63	la16801.d	1.	610042-001-002-1/2 Needs conf	WATER.ARCADIS	16 Oct		
94	64	la16802.d	1.	BLK94283 OK	SOIL.EA	16 Oct		
95	65	la16803.d	1.	BKS94283 OK	SOIL.EA	16 Oct		
96	66	la16804.d	1.	610045-001-019-1/2 Needs conf	SOIL.EA	16 Oct		
97	67	la16805.d	1.	610045-005-021-1/2 Needs conf	SOIL.EA	16 Oct		
98	68	la16806.d	1.	610045-007-023-1/2 Needs conf	SOIL.EA	16 Oct		
99	69	la16807.d	1.	610045-008-025-1/2 Needs conf	SOIL.EA	16 Oct		
100	70	la16808.d	1.	8330MIX OK	CCAL	16 Oct		
101	71	la16809.d	1.	610045-009-027-1/2 Needs conf	SOIL.EA	16 Oct		
102	72	la16810.d	1.	610045-010-110-1/2 Needs conf	SOIL.EA	16 Oct		
103	73	la16811.d	1.	610014-003-002-1/1X10 Needs conf	SOIL-TETRA TECH REF FILE	LA16727 16 Oct		
104	74	la16812.d	1.	610014-005-003-1/1X10 Needs conf	SOIL-TETRA TECH REF FILE	LA16729 16 Oct		
105	75	la16813.d	1.	610014-005-003-1/1X100	SOIL-TETRA TECH REF FILE	LA16729 16 Oct		
106	76	la16814.d	1.	RINSE	ACN	16 Oct		
107	77	la16815.d	1.	8330MIX OK	CCAL	16 Oct		

Remarks	Standard	Solution ID	Conc.	Date Prep.
	8330 mix	38307	10/20 ppm	10/5/06
	4-nitroaniline	38341	10 ppm	10/11/06
	NG	38189	100 ppm	~~9/18~~ JCSA 10/17/06
				9/18/06

HPLC ANALYSIS LOGBOOK

Instrument ID: LC # D (HP1100)

Method File:	h:\lcdata\lcd\methods
Detector/ Wavelength:	UV 254 nm
Injection Volume:	100 µL

Data File Path:	h:\lcdata\lcd\101606
Mobile Phase:	8330-Lg-Lg
Flow Rate:	1.0 mL/min

ICAL: 65258330 / 66606HLC Analyst: JSA Reviewed by: ST Date: 10/18/06

Injection Log

Directory: h:\lcdata\lcd\101606

LCD	Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected	Comments
LCD	1		lcd33386.d	1.	8330 MIX			
	2		lcd33387.d	1.	8330 NG			
LCD	3	3	lcd33388.d	1.	609147-001	SOIL.SHAW	16 Oct	
	4	4	lcd33389.d	1.	609147-002	SOIL.SHAW	16 Oct	
LCD	5	5	lcd33390.d	1.	609147-003	SOIL.SHAW	16 Oct	
	6	6	lcd33391.d	1.	609147-004	SOIL.SHAW	16 Oct	
LCD	7	7	lcd33392.d	1.	609147-005	SOIL.SHAW	16 Oct	
	8	8	lcd33393.d	1.	609147-006	SOIL.SHAW	16 Oct	
	9	9	lcd33394.d	1.	609147-007	SOIL.SHAW	16 Oct	
LCD	10	10	lcd33395.d	1.	609147-008	SOIL.SHAW	16 Oct	
	11	11	lcd33396.d	1.	609147-009	SOIL.SHAW	16 Oct	
LCD	12	12	lcd33397.d	1.	609147-010	SOIL.SHAW	16 Oct	
	13	13	lcd33398.d	1.	RINSE	ACN	16 Oct	
LCD	14	14	lcd33399.d	1.	8330MIX	CCAL	16 Oct	
	15	15	lcd33400.d	1.	8330NG	CCAL	16 Oct	
	16	16	lcd33401.d	1.	609147-011	SOIL.SHAW	16 Oct	
LCD	17	17	lcd33402.d	1.	609147-012	SOIL.SHAW	17 Oct	
	18	18	lcd33403.d	1.	609147-013	SOIL.SHAW	17 Oct	
LCD	19	19	lcd33404.d	1.	609118-001	WATER.SHAW	17 Oct	
	20	20	lcd33405.d	1.	609118-002	WATER.SHAW	17 Oct	
LCD	21	21	lcd33406.d	1.	609118-003	WATER.SHAW	17 Oct	
	22	22	lcd33407.d	1.	609118-005	WATER.SHAW	17 Oct	
LCD	23	23	lcd33408.d	1.	609148-010	SOIL.SHAW	17 Oct	
	24	24	lcd33409.d	1.	609148-011	SOIL.SHAW	17 Oct	
LCD	25	25	lcd33410.d	1.	RINSE	ACN	17 Oct	
	26	26	lcd33411.d	1.	8330MIX	CCAL	17 Oct	
	27	27	lcd33412.d	1.	8330NG	CCAL	17 Oct	
LCD	28	28	lcd33413.d	1.	609148-012	SOIL.SHAW	17 Oct	
	29	29	lcd33414.d	1.	609148-019	SOIL.SHAW	17 Oct	
LCD	30	30	lcd33415.d	1.	609148-020	SOIL.SHAW	17 Oct	
	31	31	lcd33416.d	1.	610015-001	SOIL.TETRATECH	17 Oct	
LCD	32	32	lcd33417.d	1.	609150-001	SOIL.EA	17 Oct	
	33	33	lcd33418.d	1.	609150-003	SOIL.EA	17 Oct	
LCD	34	34	lcd33419.d	1.	609150-004	SOIL.EA	17 Oct	
	35	35	lcd33420.d	1.	609150-006	SOIL.EA	17 Oct	
	36	36	lcd33421.d	1.	609150-008	SOIL.EA	17 Oct	
LCD	37	37	lcd33422.d	1.	609150-010	SOIL.EA	17 Oct	
	38	38	lcd33423.d	1.	609150-011	SOIL.EA	17 Oct	
LCD	39	39	lcd33424.d	1.	610014-00310X	SOIL.TETRATECH	17 Oct	
	40	40	lcd33425.d	1.	RINSE	ACN	18 Oct	
LCD	41	41	lcd33426.d	1.	8330MIX	CCAL	18 Oct	
	42	42	lcd33427.d	1.	8330NG	CCAL	18 Oct	
LCD	43	43	lcd33428.d	1.	610014-00510X	SOIL.TETRATECH	18 Oct	
	44	44	lcd33429.d	1.	610014-005100X	SOIL.TETRATECH	18 Oct	
LCD	45	45	lcd33430.d	1.	610014-005100X	SOIL.TETRATECH	18 Oct	
	46	46	lcd33431.d	1.	RINSE	ACN	18 Oct	
	47	47	lcd33432.d	1.	8330MIX	CCAL	18 Oct	
LCD	48	48	lcd33433.d	1.	8330NG	CCAL	18 Oct	
	49	49	lcd33434.d	1.	610014-002	SOIL.TETRATECH	18 Oct	
LCD	50	50	lcd33435.d	1.	610014-004	SOIL.TETRATECH	18 Oct	
	51	51	lcd33436.d	1.	610016-002	SOIL.EA	18 Oct	
LCD	52	52	lcd33437.d	1.	610016-007	SOIL.EA	18 Oct	
	53	53	lcd33438.d	1.	610016-008	SOIL.EA	18 Oct	
LCD	54	54	lcd33439.d	1.	610016-010	SOIL.EA	18 Oct	
	55	55	lcd33440.d	1.	610016-011	SOIL.EA	18 Oct	
	56	56	lcd33441.d	1.	610019-002	SOIL.EA	18 Oct	
LCD	57	57	lcd33442.d	1.	610041-001	WATER.ARCADIS	18 Oct	

Remarks	Standard	Solution ID	Conc.	Date Prep.
	8330 MIX	38307	10/20 ppm	10/5/06
	4-Nitroaniline	38341	10 ppm	10/11/06
	NG	38189	100 ppm	9/18/06

8330 RETENTION TIME WINDOW ESTABLISHMENT

INTRUMENT: LCA CA14453 LCA1447 CA14495
COLUMN: C8 ANALYST SS
DATE: 06/19/2006-06/21/2006

COMPOUND	RT1	PW1	RT2	PW2	RT3	PW3	Avg RT	3x RT Std De	Avg PW	RT Window
4-Nitroaniline(Surr.)	7.09	7.07	7.07	0.31	7.09	0.30	7.083	0.035	2.56	1.28
Nitroglycerine	21.92	21.96	21.96	0.51	21.98	0.53	21.953	0.092	7.67	3.83

Advisory Retention Time Windows are based on three daily calibration check standards
Run within a 72 hour window

Windows are the greater of 1/2 the average peak width,
or +/- 3 times the retention time standard deviation

8330 RETENTION TIME WINDOW ESTABLISHMENT

INTRUMENT TYPE:	LCA		
COLUMN:	C18	ANALYST	SS
DATE:	7/24/06-7/27/06	DATE	09/14/06

COMPOUND	Retent Time 1 (LCA15145)	Retent Time 2 (LCA15166)	Retent Time 3 (LCA15187)	AVG	Stand Dev	3X Stnd Dev	Average Peak Width	RT WINDOW
4-Nitroaniline(Surr.)	7.180	7.100	7.090	7.123	0.049	0.148	0.30	0.15
HMX	4.640	4.600	4.600	4.613	0.023	0.069	0.30	0.15
1,3,5-Trinitrobenzene	13.710	13.520	13.480	13.570	0.123	0.369	0.50	0.25
Tetryl	20.310	19.900	19.800	20.003	0.270	0.811	0.70	0.35
2,4,6-Trinitrotoluene	24.860	24.420	24.330	24.537	0.284	0.851	0.80	0.40
4-ADNT	26.730	26.210	26.090	26.343	0.340	1.021	0.80	0.40
2,6-Dinitrotoluene	31.490	30.900	30.800	31.063	0.373	1.119	0.80	0.40
4-Nitrotoluene	44.300	43.390	43.270	43.653	0.563	1.690	0.90	0.45
RDX	9.130	9.010	8.990	9.043	0.076	0.227	0.40	0.20
1,3-Dinitrobenzene	18.350	18.070	18.000	18.140	0.185	0.556	0.50	0.25
Nitrobenzene	22.370	22.010	21.930	22.103	0.234	0.703	0.50	0.25
2-ADNT	28.340	27.830	27.690	27.953	0.342	1.026	0.70	0.35
2,4-Dinitrotoluene	32.610	32.010	31.910	32.177	0.379	1.136	0.60	0.30
2-Nitrotoluene	41.130	40.290	40.180	40.533	0.520	1.559	0.80	0.40
3-Nitrotoluene	48.250	47.240	47.110	47.533	0.624	1.872	0.80	0.40

Advisory Retention Time Windows are based on three daily calibration check standards
Run within a 72 hour window

8330CN RETENTION TIME WINDOW ESTABLISHMENT

INSTRUMENT TYPE:	LCD		
COLUMN:	POLAR	ANALYST	SS
DATE:	10/16/06-10/18/06	DATE	10/23/06

COMPOUND	Retent Time 1	Retent Time 2	Retent Time 3	AVG	Stand Dev	3X Stnd Dev
4-Nitroaniline(Surr.)	8.550	8.540	8.460	8.517	0.049	0.148
HMX	15.370	15.380	15.110	15.287	0.153	0.459
1,3,5-Trinitrobenzene	28.930	28.960	28.460	28.783	0.280	0.841
Tetryl	43.510	43.560	42.570	43.213	0.558	1.673
2,4,6-Trinitrotoluene	40.080	40.120	39.300	39.833	0.462	1.387
4-ADNT	19.310	19.330	18.990	19.210	0.191	0.572
2,6-Dinitrotoluene	24.180	24.210	23.800	24.063	0.229	0.686
4-Nitrotoluene	21.190	21.210	20.910	21.103	0.168	0.503
RDX	12.490	12.490	12.320	12.433	0.098	0.294
1,3-Dinitrobenzene	18.210	18.230	17.970	18.137	0.145	0.434
Nitrobenzene	14.100	14.110	13.960	14.057	0.084	0.252
2-ADNT	19.310	19.330	18.990	19.210	0.191	0.572
2,4-Dinitrotoluene	25.700	25.740	25.300	25.580	0.243	0.730
2-Nitrotoluene	19.680	19.700	19.450	19.610	0.139	0.417
3-Nitrotoluene	20.310	20.340	20.050	20.233	0.159	0.478

Retention windows equal to retention times extracted from daily calibration +/- three times of the Standard Deviation.

LOW IMPACT EXPLOSIVES AND PROPELLANTS

GPL Laboratories

A. QC Summary

1. Surrogate Percent Recovery Summary
2. Matrix Spike/Matrix Spike Duplicate Summary
3. Laboratory Control Standard Summary (where applicable)
4. Method Blank Summary

GPL Laboratories

Surrogate Recovery Summary

Matrix : WATER **Analytical Method : SW8330** **SDG No : 609118**

Surrogate	NO2ANIL4
Lower QC Limits	37
Upper QC Limits	149
Sample ID	
BKS93964	89
BLK93964	106
NWO-017-3005	80
NWO-017-3005MS	47
NWO-017-3005MSD	46
NWO-017-3006	177 *
NWO-017-3007	196 *
NWO-017-3011	146
NWO-017-3011 FD	108

* Value outside of QC Limts

NO2ANIL4 = 4-Nitroaniline

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
NWO-017-3005MSD

Lab Name : GPL Laboratories SDG NO : 609118 Method : SW8330

Lab Code : GPL Lab Sample ID : 609118-001-033-1/6MSD Matrix : WATER Analysis Date : 10/14/2006

Compound	Spike Added (ug/L)		CONCENTRATION (ug/L)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
Pentaerythritol Tetranitrate	.2	.2	0.0	0.32	0.27	160 *	135 *	17	25	48-128

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 0 Out of 0 Outside Limit
Spike Recovery : 2 Out of 2 outside limit

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS93964

Lab Name : GPL Laboratories
Lab Code : GPL
Matrix : WATER
Method : SW8330

Contract. : Camp Addair - Shaw FUDS MMRP Site - 017
SDG NO : 609118
Lab Sample ID : BKS93964
Analysis Date : 10/14/2006

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMTS
Pentaerythritol Tetranitrate	.2	0	0.16	80	50-125

* Values Outside of QC Limits

Spike recovery : 0 out of 1 outside limits

GPL Laboratories

GPL
FORM 4
EXPLOSIVE METHOD BLANK SUMMARY

SAMPLE NO
BLK93964

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	93964
Lab File ID :	E38237D.D	SDG NO :	609118
Date Analyzed	10/14/2006	Lab Sample ID :	BLK93964
Date Extracted :	09/25/2006	Time Analyzed :	15:12
Matrix :(Soil/Water).	WATER	Level :(Low/Med)	

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES,MS AND MSD :

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed
BKS93964	BKS93964	E38238D.D	10/14/2006
NWO-017-3005MS	609118-001-033-1/6MS	E38239D.D	10/14/2006
NWO-017-3005MSD	609118-001-033-1/6MSD	E38240D.D	10/14/2006
NWO-017-3005	609118-001-033-1/6	E38241D.D	10/14/2006
NWO-017-3006	609118-002-001-1/2	E38242D.D	10/14/2006
NWO-017-3007	609118-003-003-1/2	E38243D.D	10/14/2006
NWO-017-3011	609118-005-005-1/2	E38244D.D	10/14/2006
NWO-017-3011 FD	609118-006-007-1/2	E38245D.D	10/14/2006

B. Sample Data

1. TCL Results
2. Chromatographs from Primary and Confirmatory Analyses
3. Integration Report for Primary and Confirmatory Analyses

GPL Laboratories

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3005

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609118-001-033-1/6
Sample Volume :	990	Lab File ID :	E38241D.D
% Moisture:		Date Received	09/22/2006
Extraction:	EXT_SW8330	Date Extracted:	09/25/2006
Extract Volume:	1 mL	Date Analyzed	10/14/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.051	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\101406\E38241D.D Vial: 5
Acq On : 14 Oct 2006 16:37 Operator: ST.
Sample : 609118-001-033-1/6 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 15 16:34 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.41	62084896	240.808	PPB	m
Spiked Amount 300.000		Recovery =	80.27%		
Target Compounds					
2) T PETN	0.00	0	N.D.	PPB	

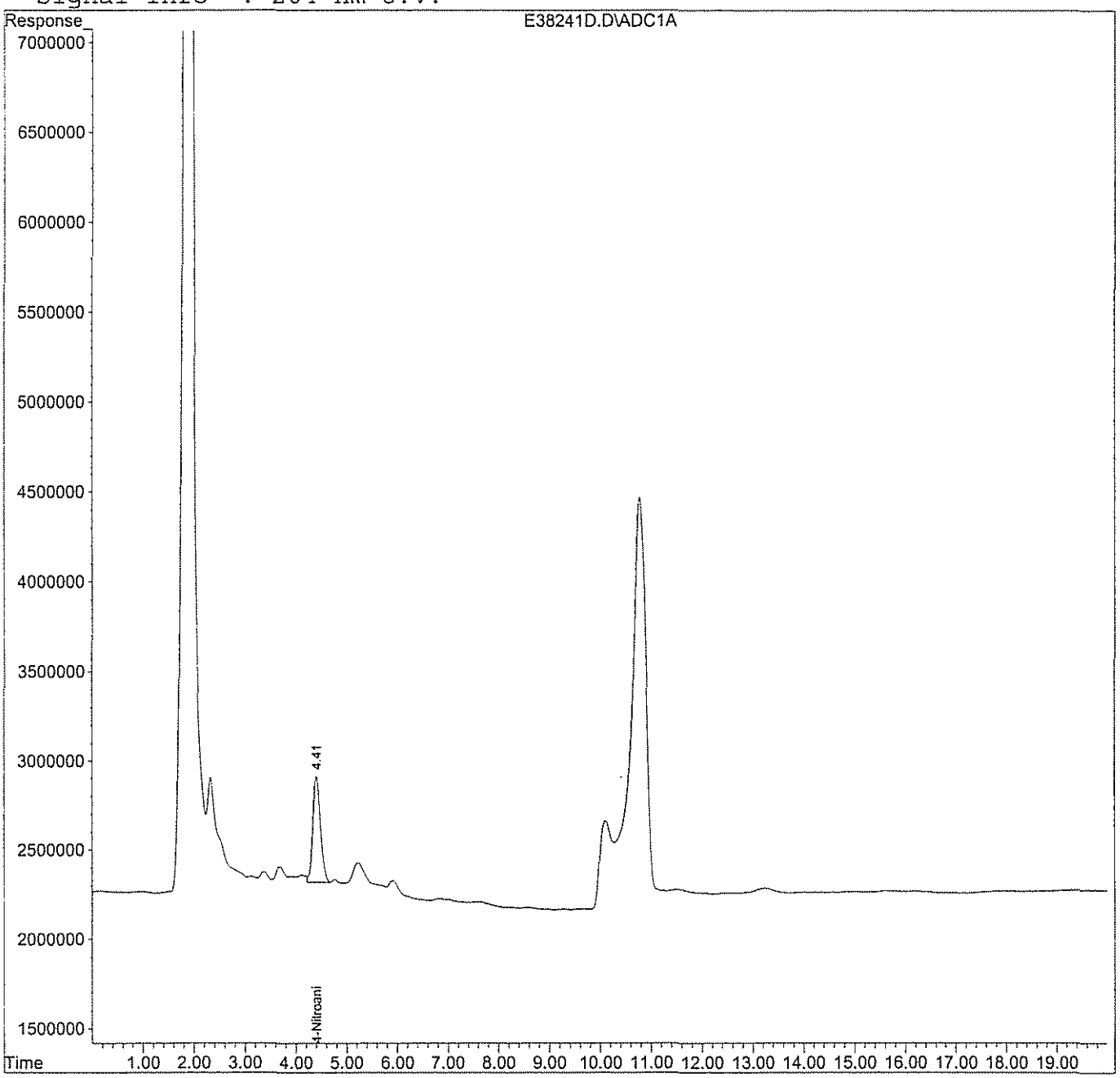
Camp Atlair - Appendix I - Analytical Report 200-le 4534
F10OR002908_01_09_0508_a

Quantitation Report

Data File : H:\LCDATA\LCE\101406\E38241D.D Vial: 5
Acq On : 14 Oct 2006 16:37 Operator: ST.
Sample : 609118-001-033-1/6 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 15 16:34 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Camp Adair 19 Appendix F- Analytical Report 4535
F10OR002908_01.09_0508_a

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3006

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609118-002-001-1/2
Sample Volume :	980	Lab File ID :	E38242D.D
% Moisture:		Date Received	09/22/2006
Extraction:	EXT_SW8330	Date Extracted:	09/25/2006
Extract Volume:	1 mL	Date Analyzed	10/14/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.051	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\101406\E38242D.D Vial: 6
Acq On : 14 Oct 2006 16:59 Operator: ST.
Sample : 609118-002-001-1/2 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 15 16:35 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.43	136777043	530.516	PPB	m
Spiked Amount 300.000		Recovery = 176.84%			
Target Compounds					
2) T PETN	0.00	0	N.D.	PPB	

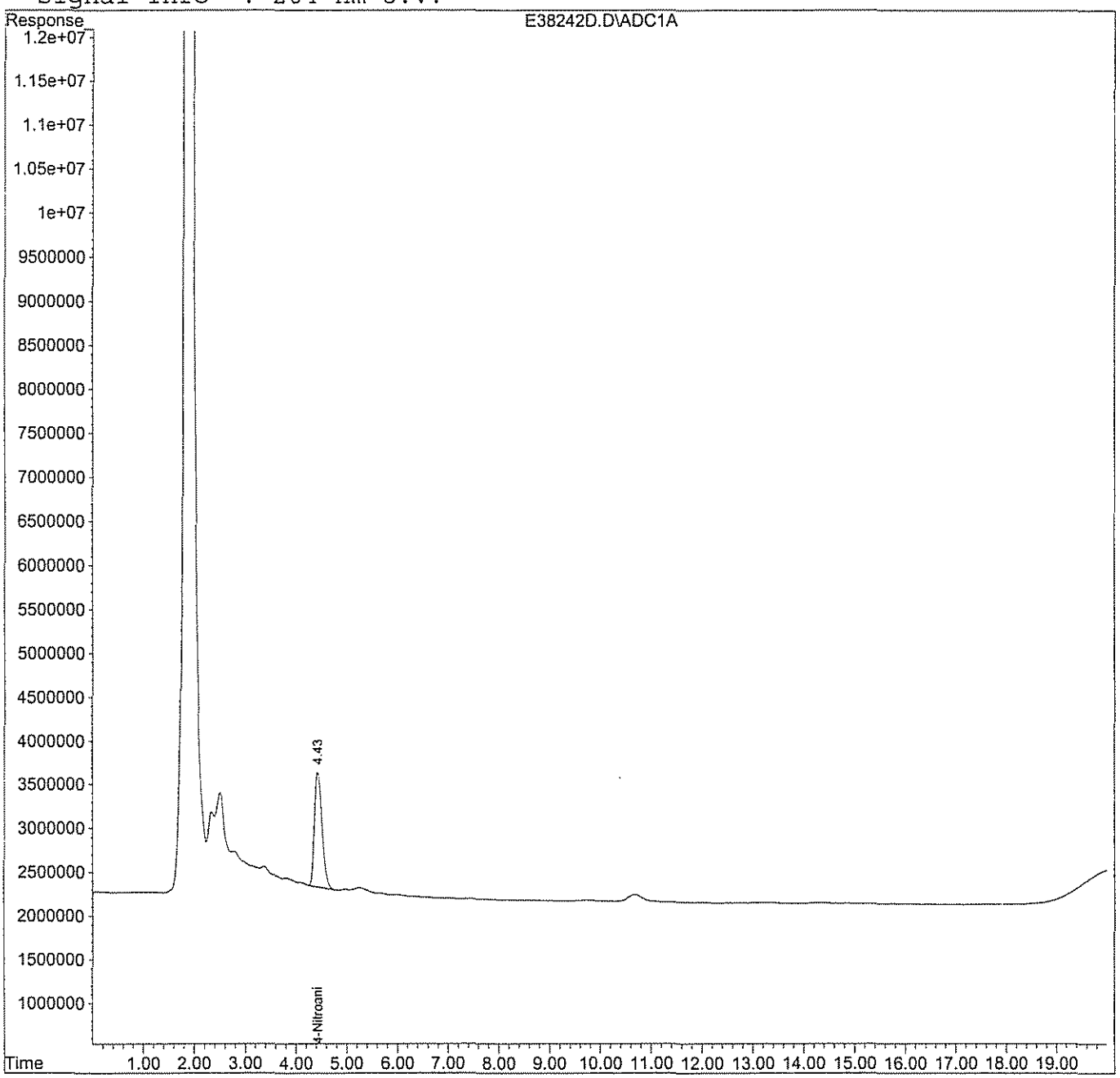
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report

Data File : H:\LCDATA\LCE\101406\E38242D.D Vial: 6
Acq On : 14 Oct 2006 16:59 Operator: ST.
Sample : 609118-002-001-1/2 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 15 16:35 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Camp Adair - Appendix F - Analytical Report
F10OR002908_01.09_0508_a

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3007

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609118-003-003-1/2
Sample Volume :	990	Lab File ID :	E38243D.D
% Moisture:		Date Received	09/22/2006
Extraction:	EXT_SW8330	Date Extracted:	09/25/2006
Extract Volume:	1 mL	Date Analyzed	10/14/2006
Injection Volume :	100 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.051	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\101406\E38243D.D Vial: 7
Acq On : 14 Oct 2006 17:20 Operator: ST.
Sample : 609118-003-003-1/2 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 15 16:35 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.41	151786649	588.733 PPB
Spiked Amount 300.000		Recovery =	196.24%
Target Compounds			
2) T PETN	0.00	0	N.D. PPB

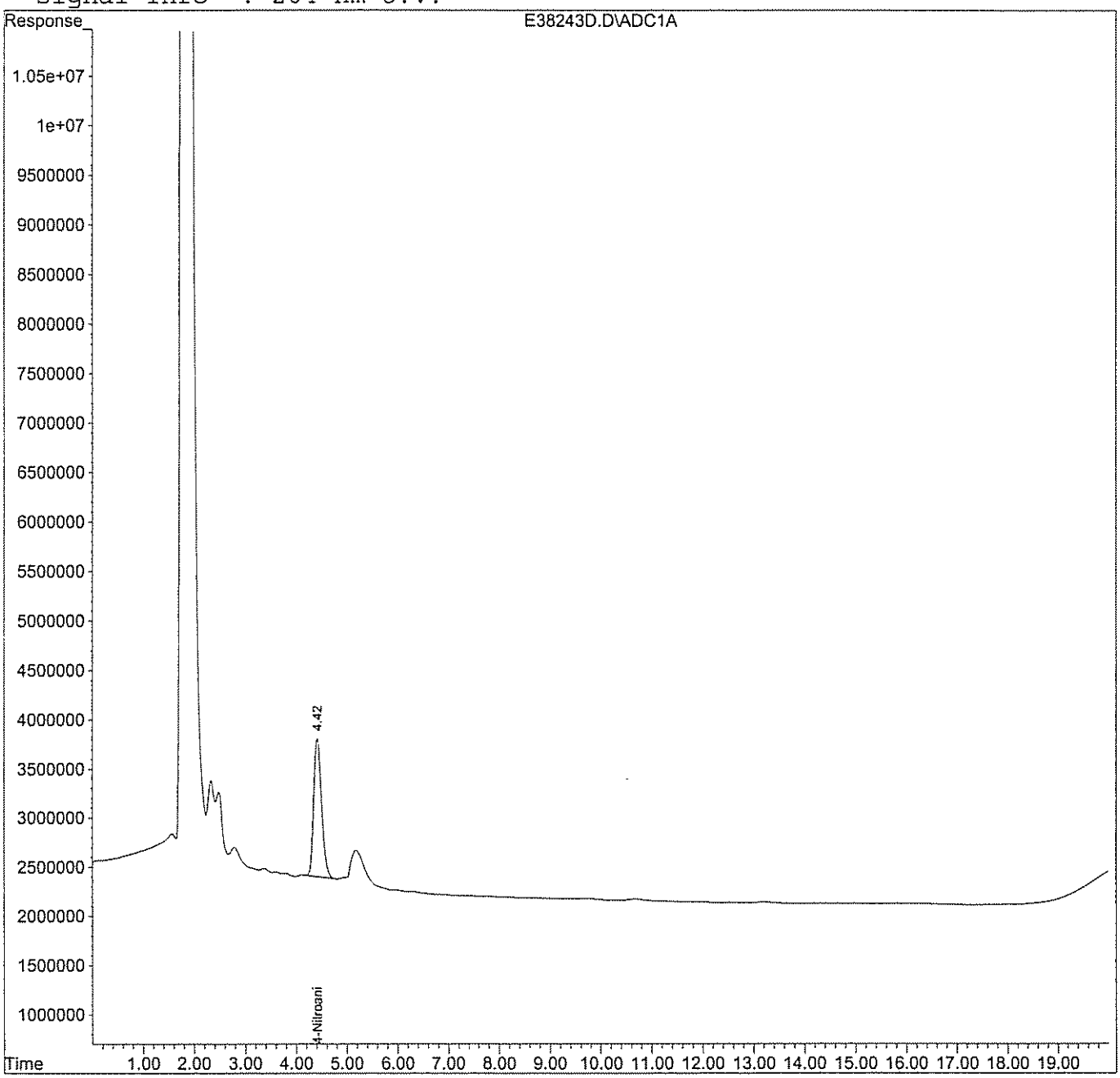
Camp Allair - Appendix F - Analytical Report 200-1e 4540
F10OR002908_01_09_0508_a

Quantitation Report

Data File : H:\LCDATA\LCE\101406\E38243D.D Vial: 7
Acq On : 14 Oct 2006 17:20 Operator: ST.
Sample : 609118-003-003-1/2 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 15 16:35 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3011

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609118-005-005-1/2
Sample Volume :	950	Lab File ID :	E38244D.D
% Moisture:		Date Received	09/22/2006
Extraction:	EXT_SW8330	Date Extracted:	09/25/2006
Extract Volume:	1 mL	Date Analyzed	10/14/2006
Injection Volume :	100 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.053	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\101406\E38244D.D Vial: 8
Acq On : 14 Oct 2006 17:41 Operator: ST.
Sample : 609118-005-005-1/2 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 15 16:52 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.40	112556208	436.571	PPB	m
Spiked Amount 300.000		Recovery =	145.52%		
Target Compounds					
2) T PETN	0.00	0	N.D.	PPB	

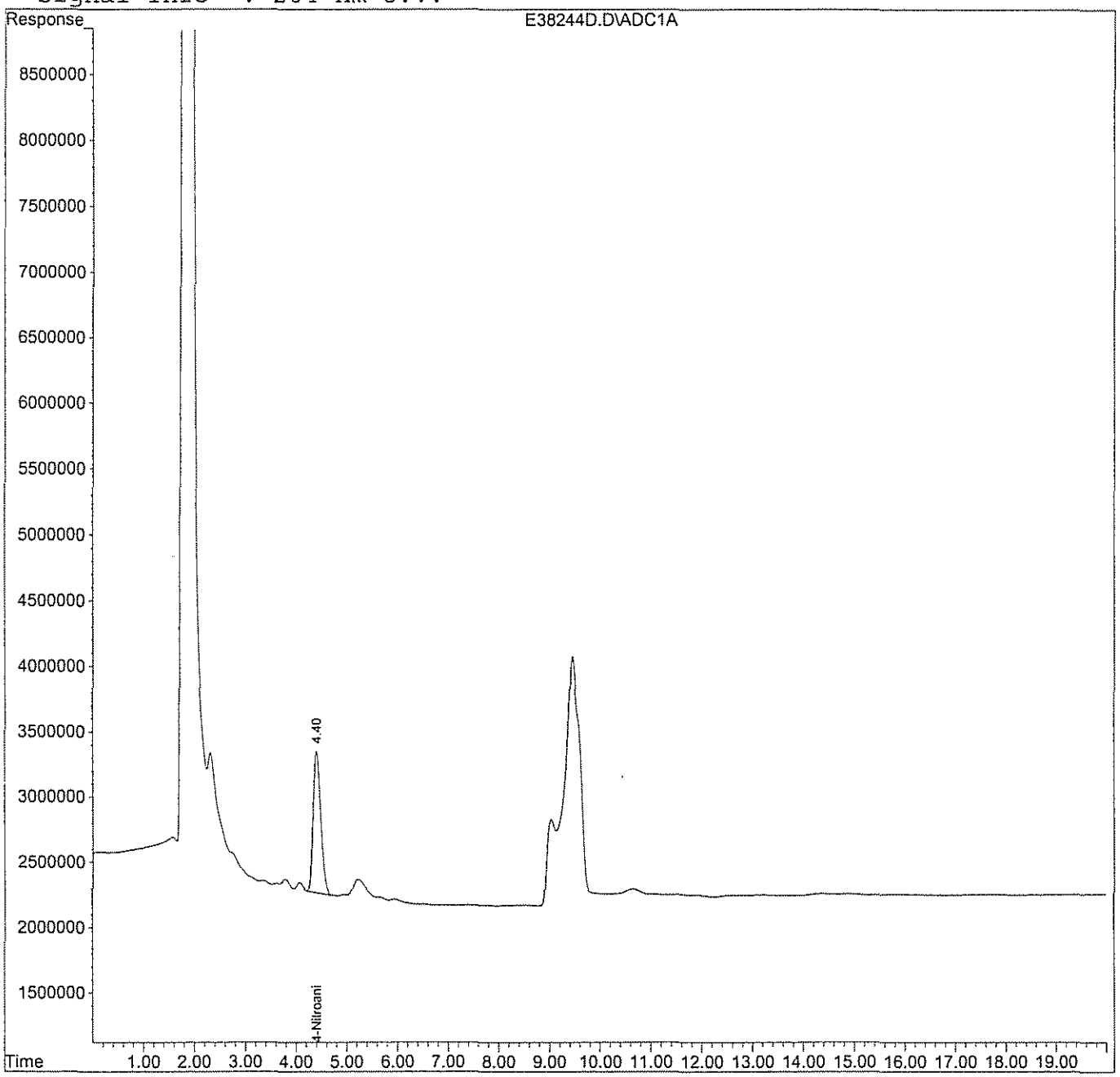
Appendix F
200-1e
4543
E10OR002908_01_09_0508_a

Quantitation Report

Data File : H:\LCDATA\LCE\101406\E38244D.D Vial: 8
Acq On : 14 Oct 2006 17:41 Operator: ST.
Sample : 609118-005-005-1/2 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 15 16:52 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Camp Adair 19-2 Appendix F- Analytical Report
F10OR002908_01.09_0508_a

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3011 FD

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609118-006-007-1/2
Sample Volume :	990	Lab File ID :	E38245D.D
% Moisture:		Date Received	09/22/2006
Extraction:	EXT_SW8330	Date Extracted:	09/25/2006
Extract Volume:	1 mL	Date Analyzed	10/14/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.051	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\101406\E38245D.D Vial: 9
Acq On : 14 Oct 2006 18:02 Operator: ST.
Sample : 609118-006-007-1/2 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 15 17:20 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.40	83363273	323.340	PPB	m
Spiked Amount 300.000		Recovery =	107.78%		
Target Compounds					
2) T PETN	0.00	0	N.D.	PPB	

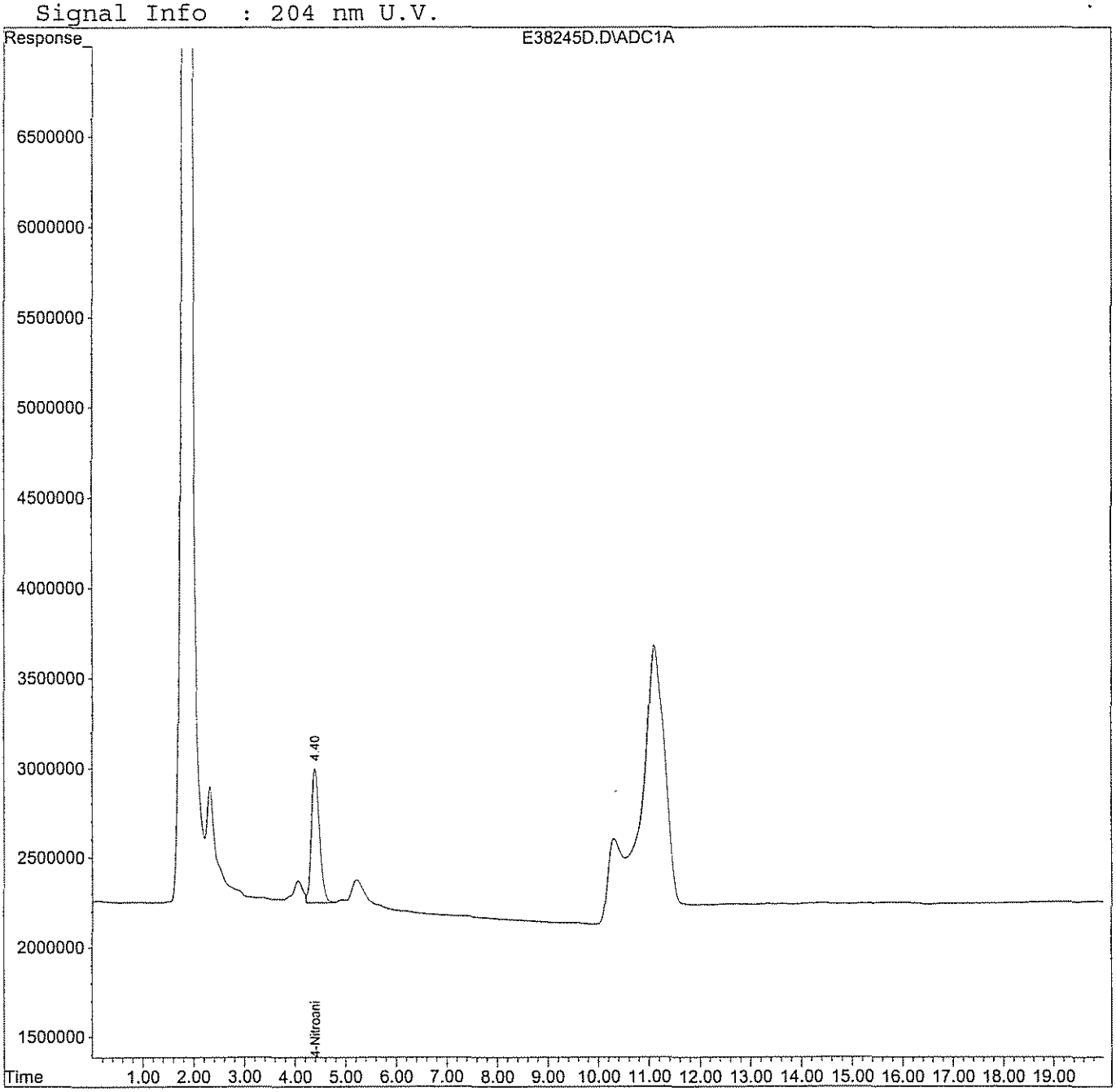
Camp Adair - Appendix F - Analytical Report 200-1e 4546
E10OR002908_01.09_0508_a

Quantitation Report

Data File : H:\LCDATA\LCE\101406\E38245D.D Vial: 9
Acq On : 14 Oct 2006 18:02 Operator: ST.
Sample : 609118-006-007-1/2 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 15 17:20 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



C. Standards Data

1. Initial Calibration Data

2. Continuing Calibration Data

GPL Laboratories

Response Factor Report LCC-FL

Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006

Calibration Files
LEV1 =E37777.D LEV2 =E37778.D LEV3 =E37779.D
LEV4 =E37780.D LEV5 =E37781.D

	Compound	LEV1	LEV2	LEV3	LEV4	LEV5	Avg	%RSD
1) S	4-Nitroaniline	2.788	2.626	2.504	2.519	2.453	2.578 E5	5.17
2) T	PETN	1.715	1.938	1.936	1.967	2.054	1.922 E5	6.51

(#) = Out of Range

Camp Adair - Appendix F - Analytical Report 200-1e 4549
F10OR002908_01.09_0508_a

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\092006\E37776.D Vial: 1
Acq On : 20 Sep 2006 9:18 Operator: ST.
Sample : PETN BLK Inst : LCC-FL
Misc : CONT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 12:49 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	0.00	0	N.D. PPB
Spiked Amount 300.000		Recovery =	0.00%
Target Compounds			
2) T PETN	0.00	0	N.D. PPB

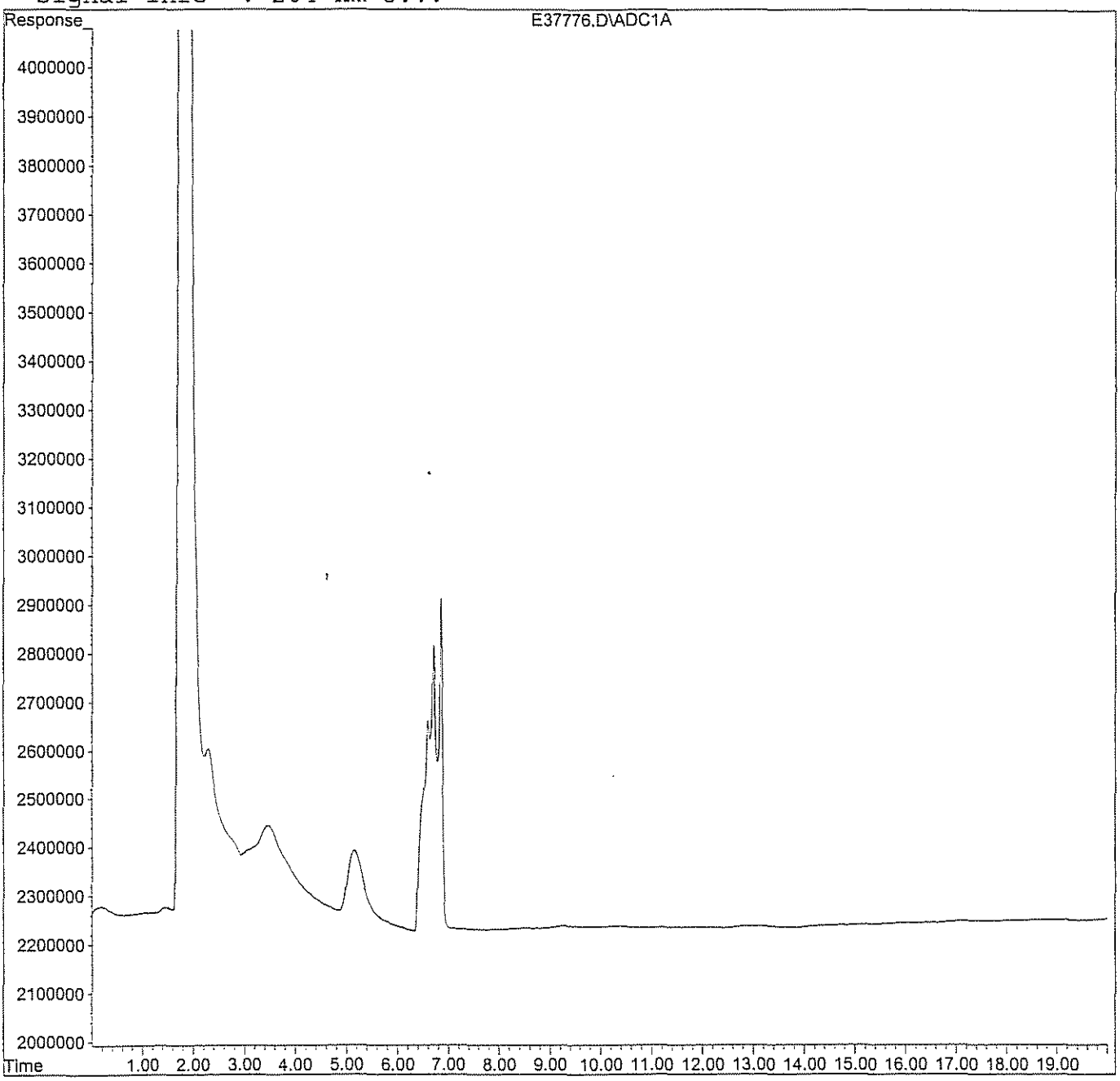
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCE\092006\E37776.D Vial: 1
Acq On : 20 Sep 2006 9:18 Operator: ST.
Sample : PETN BLK Inst : LCC-FL
Misc : CONT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 12:49 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\092006\E37777.D Vial: 2
Acq On : 20 Sep 2006 9:39 Operator: ST.
Sample : PETN LEVEL-1 50PPB Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 12:59 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.28	13942372	42.949 PPB m
Spiked Amount 300.000		Recovery =	14.32%
Target Compounds			
2) T PETN	17.08	8574675	49.843 PPB m

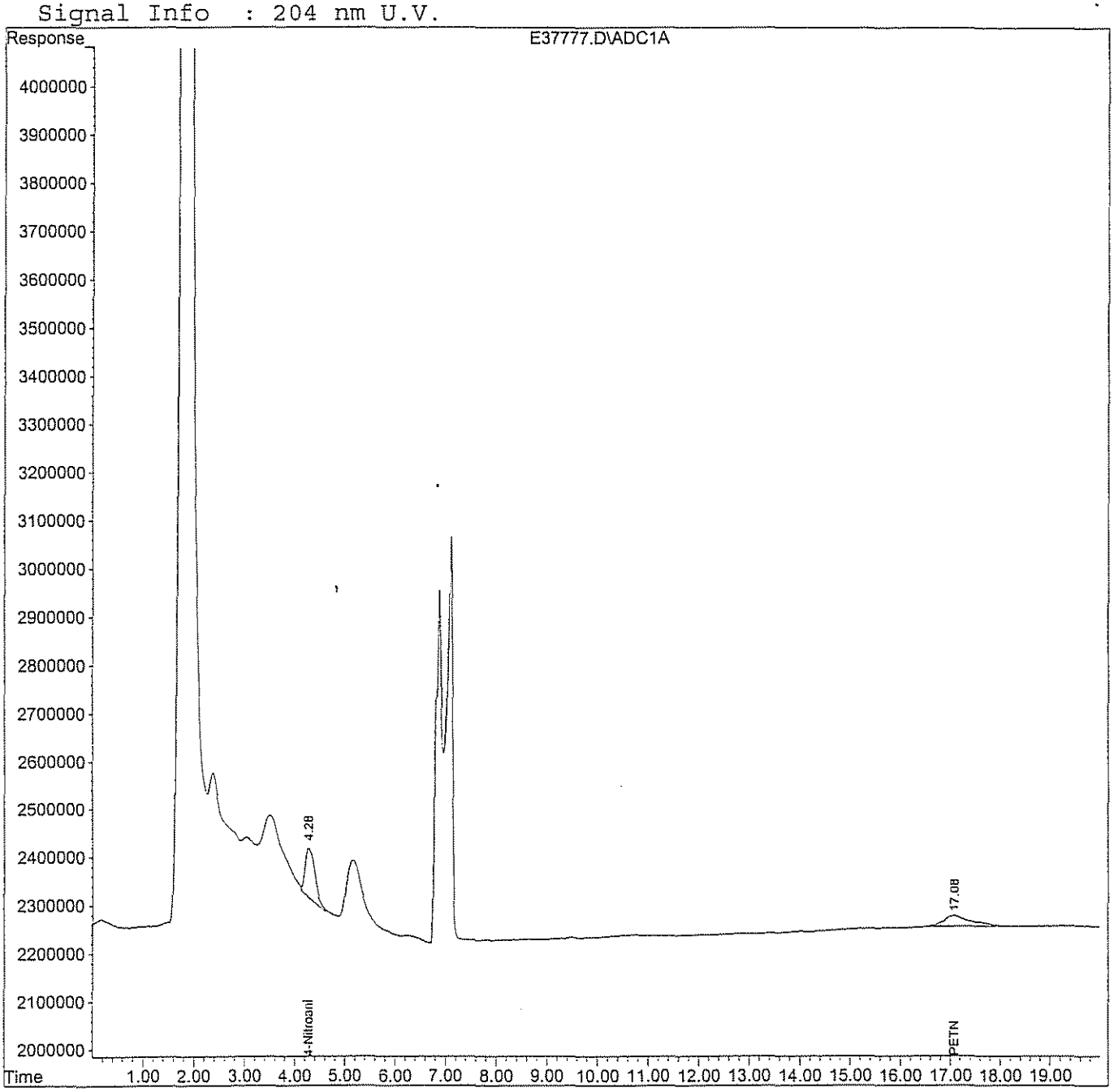
(f)=RT Delta > 1/2 window (m)=manual int.
E37777.D 6920PETN.M Fri Oct 13 09:30:09 2006 RPT Page 1

Quantitation Report

Data File : H:\LCDATA\LCE\092006\E37777.D Vial: 2
Acq On : 20 Sep 2006 9:39 Operator: ST.
Sample : PETN LEVEL-1 50PPB Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 12:59 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\092006\E37778.D Vial: 3
Acq On : 20 Sep 2006 10:00 Operator: ST.
Sample : PETN LEVEL-2 100PPB Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 12:53 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.28	26263536	80.904 PPB
Spiked Amount 300.000		Recovery =	26.97%
Target Compounds			
2) T PETN	17.01	19383671	112.674 PPB m

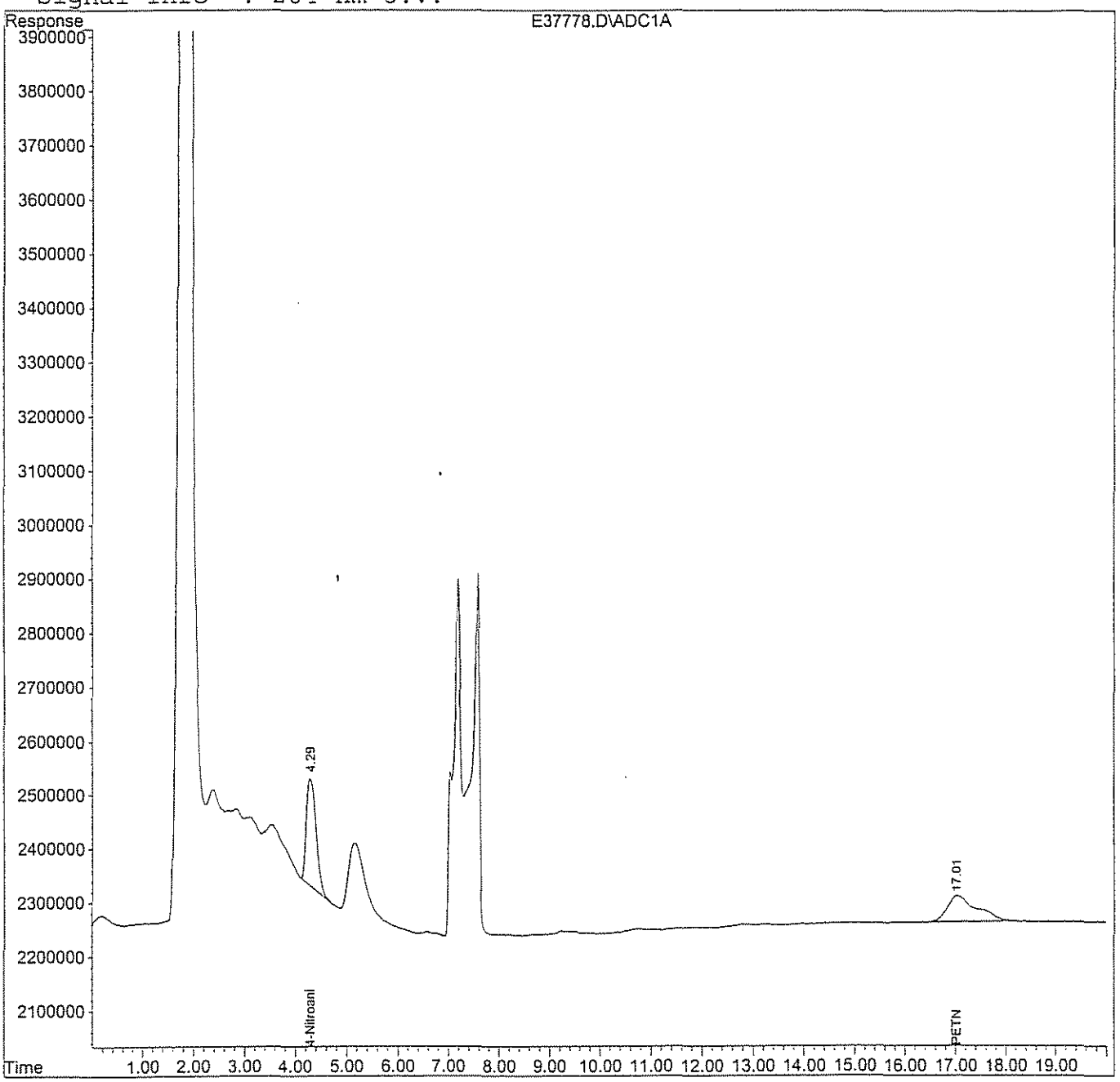
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCE\092006\E37778.D Vial: 3
Acq On : 20 Sep 2006 10:00 Operator: ST.
Sample : PETN LEVEL-2 100PPB Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 12:53 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Camp Adair - Appendix F - Analytical Report 200-1e 4555
F10OR002908_01.09_0508_a

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\092006\E37779.D Vial: 4
Acq On : 20 Sep 2006 10:22 Operator: ST.
Sample : PETN LEVEL-3 200PPB Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 13:06 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.29	50070641	192.502 PPB m
Spiked Amount 300.000		Recovery =	64.17%
Target Compounds			
2) T PETN	17.05	38728102	201.268 PPB m

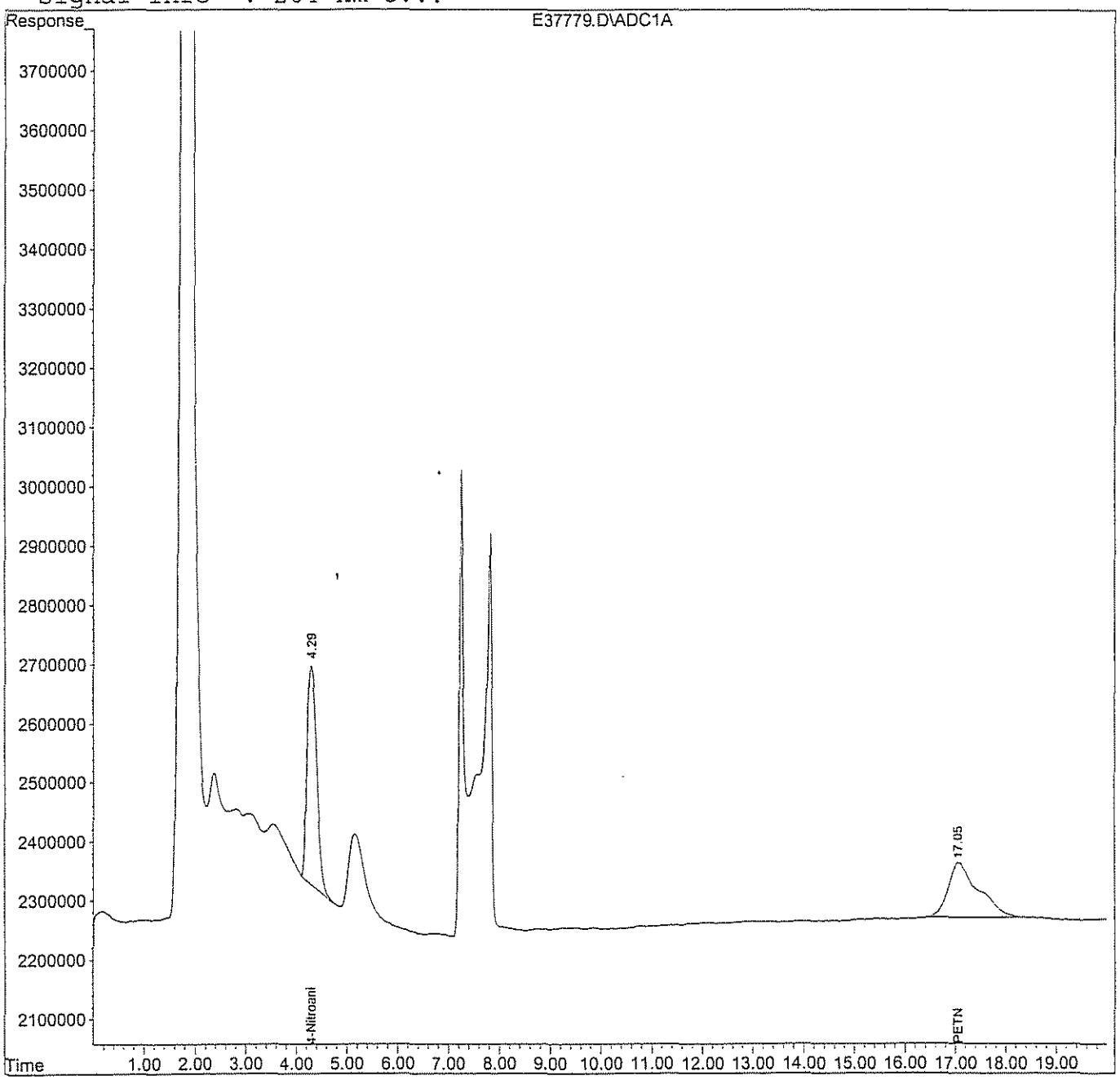
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCE\092006\E37779.D Vial: 4
Acq On : 20 Sep 2006 10:22 Operator: ST.
Sample : PETN LEVEL-3 200PPB Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 13:06 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\092006\E37780.D Vial: 5
Acq On : 20 Sep 2006 10:43 Operator: ST.
Sample : PETN LEVEL-4 500PPB Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 12:57 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.29	125966173	388.034	PPB	m
Spiked Amount 300.000		Recovery = 129.34%			
Target Compounds					
2) T PETN	17.07	98340090	571.636	PPB	m

(f)=RT Delta > 1/2 Window (m)=manual int.

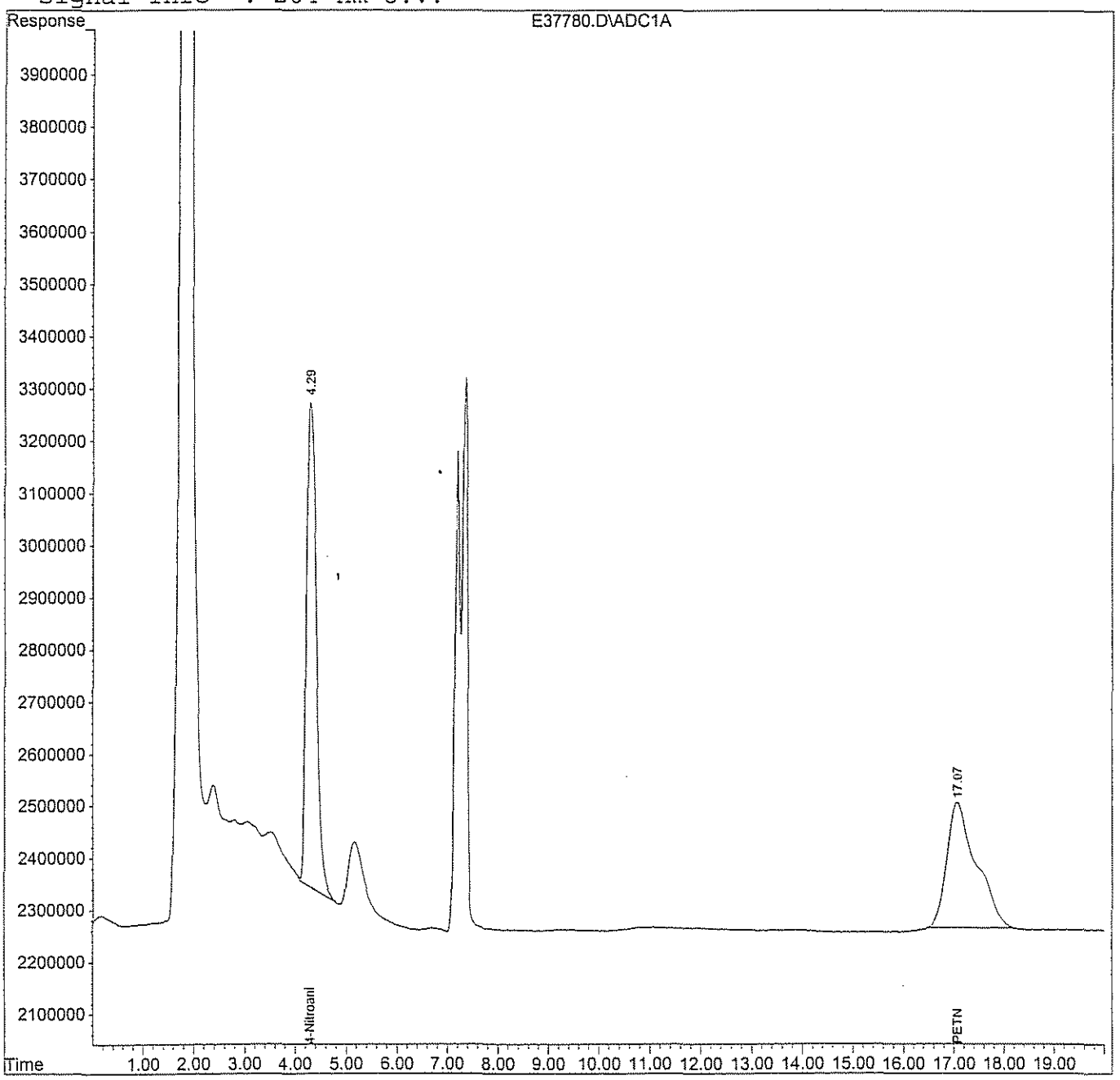
E37780.D 6920PETN.M Fri Oct 13 09:30:22 2006 RPT Page 1

Quantitation Report

Data File : H:\LCDATA\LCE\092006\E37780.D Vial: 5
Acq On : 20 Sep 2006 10:43 Operator: ST.
Sample : PETN LEVEL-4 500PPB Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 12:57 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Camp Adair - Appendix F - Analytical Report 200-1e 4559
F10OR002908_01.09_0508_a

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\092006\E37781.D Vial: 6
Acq On : 20 Sep 2006 11:04 Operator: ST.
Sample : PETN LEVEL-5 1000PPB Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 12:59 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.30	245326842	755.720	PPB	m
Spiked Amount 300.000		Recovery = 251.91%			
Target Compounds					
2) T PETN	17.13f	203578311	1183.370	PPB	m

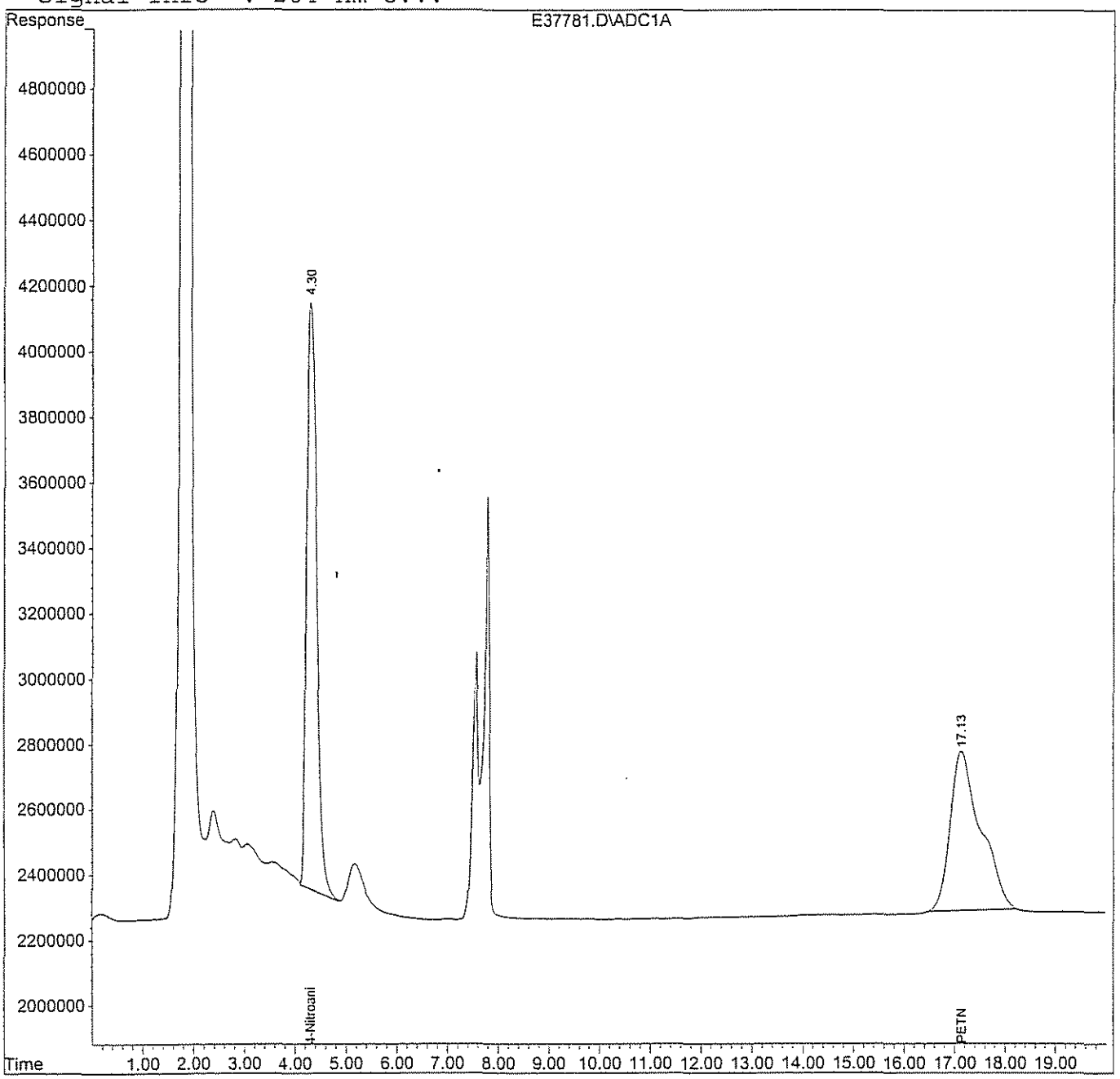
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report

Data File : H:\LCDATA\LCE\092006\E37781.D Vial: 6
Acq On : 20 Sep 2006 11:04 Operator: ST.
Sample : PETN LEVEL-5 1000PPB Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 12:59 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\092006\E37782.D Vial: 7
Acq On : 20 Sep 2006 11:26 Operator: ST.
Sample : PETN ICV- 200PPB Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 10 16:17 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.30	56421658	218.842 PPB m
Spiked Amount 300.000		Recovery =	72.95%
Target Compounds			
2) T PETN	17.11	39345613	204.711 PPB m

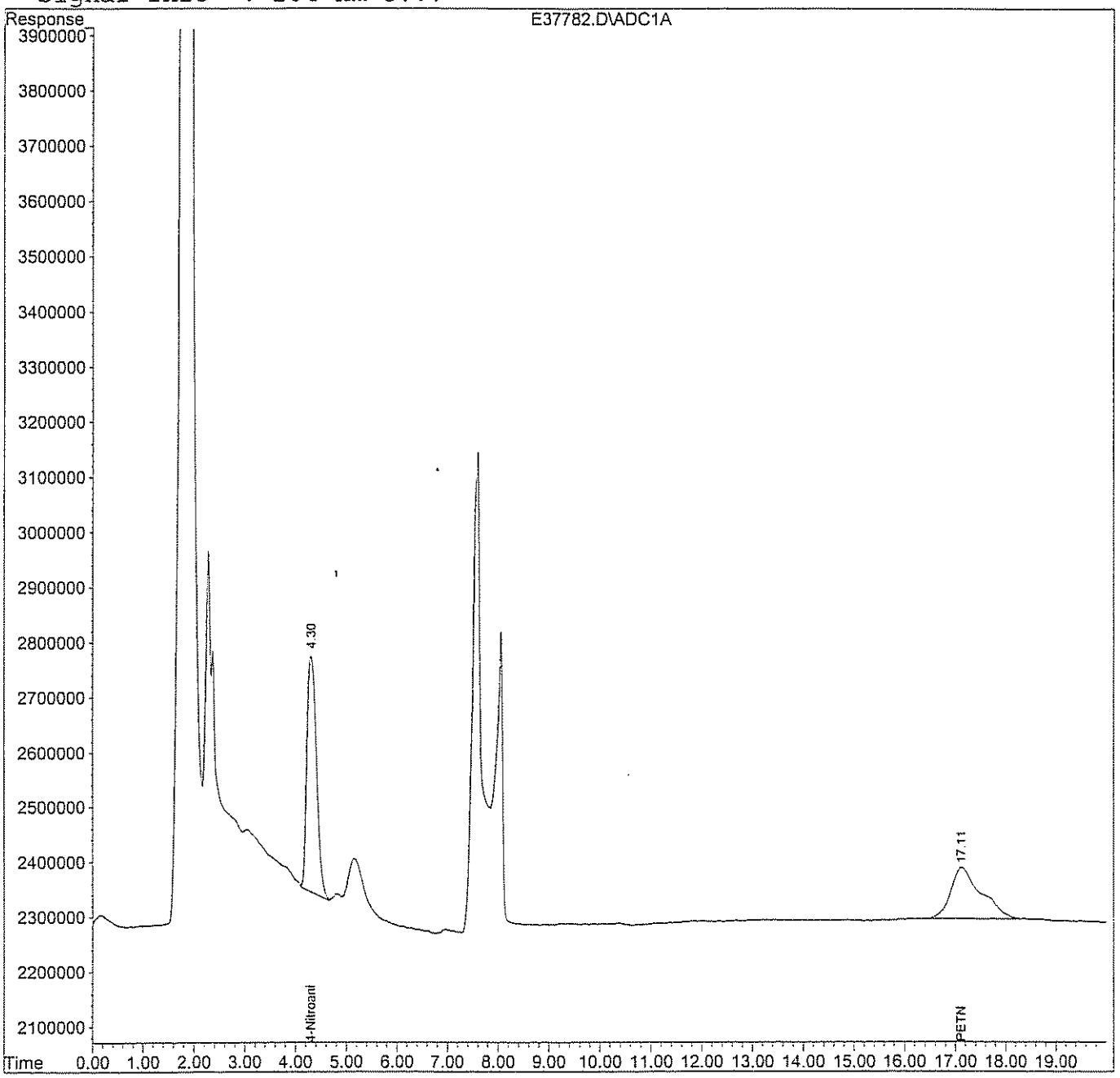
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCE\092006\E37782.D Vial: 7
Acq On : 20 Sep 2006 11:26 Operator: ST.
Sample : PETN ICV- 200PPB Inst : LCC-FL
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 10 16:17 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Continuing Calibration Report LCC-FL

Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Mon Oct 16 08:07:13 2006
Response via : Initial Calibration

Continuing Calibration File: E38236D.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-Nitroaniline	257.819	286.075	E3	-11.0	114
2	T	PETN	192.201	204.536	E3	-6.4	106

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\101406\E38236D.D Vial: 1
Acq On : 14 Oct 2006 14:33 Operator: ST.
Sample : PETN STD Inst : LCC-FL
Misc : CONT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 15:01 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.51	57214916	221.919 PPB
Spiked Amount 300.000		Recovery =	73.97%
Target Compounds			
2) T PETN	18.46	40907277	212.836 PPB m

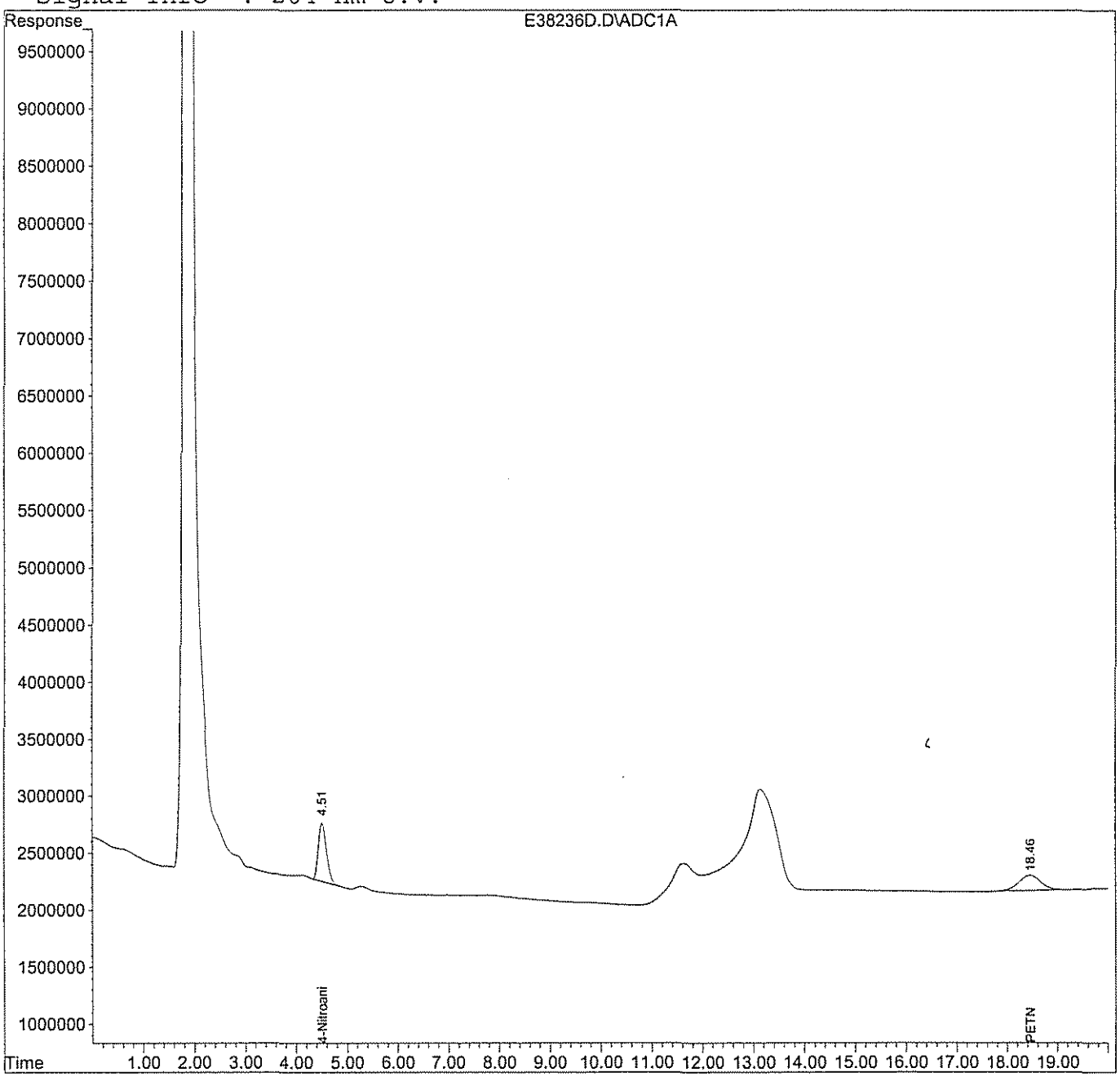
(f) = RT Delta > 0.1 (m) = manual int.

Quantitation Report

Data File : H:\LCDATA\LCE\101406\E38236D.D Vial: 1
Acq On : 14 Oct 2006 14:33 Operator: ST.
Sample : PETN STD Inst : LCC-FL
Misc : CONT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 15:01 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Continuing Calibration Report LCC-FL

Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Oct 24 14:33:23 2006
Response via : Initial Calibration

Continuing Calibration File: E38247D.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-Nitroaniline	257.819	222.464	E3	13.7	89
2	T	PETN	192.201	209.550	E3	-9.0	108

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\101406\E38247D.D Vial: 11
Acq On : 15 Oct 2006 11:57 Operator: ST.
Sample : PETN STD Inst : LCC-FL
Misc : CONT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 15 16:29 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.39	44492867	172.574	PPB	m
Spiked Amount 300.000		Recovery =	57.52%		
Target Compounds					
2) T PETN	17.65	41910020	218.053	PPB	m

(f)=RT Delta > 1/2 Window (m)=manual int.

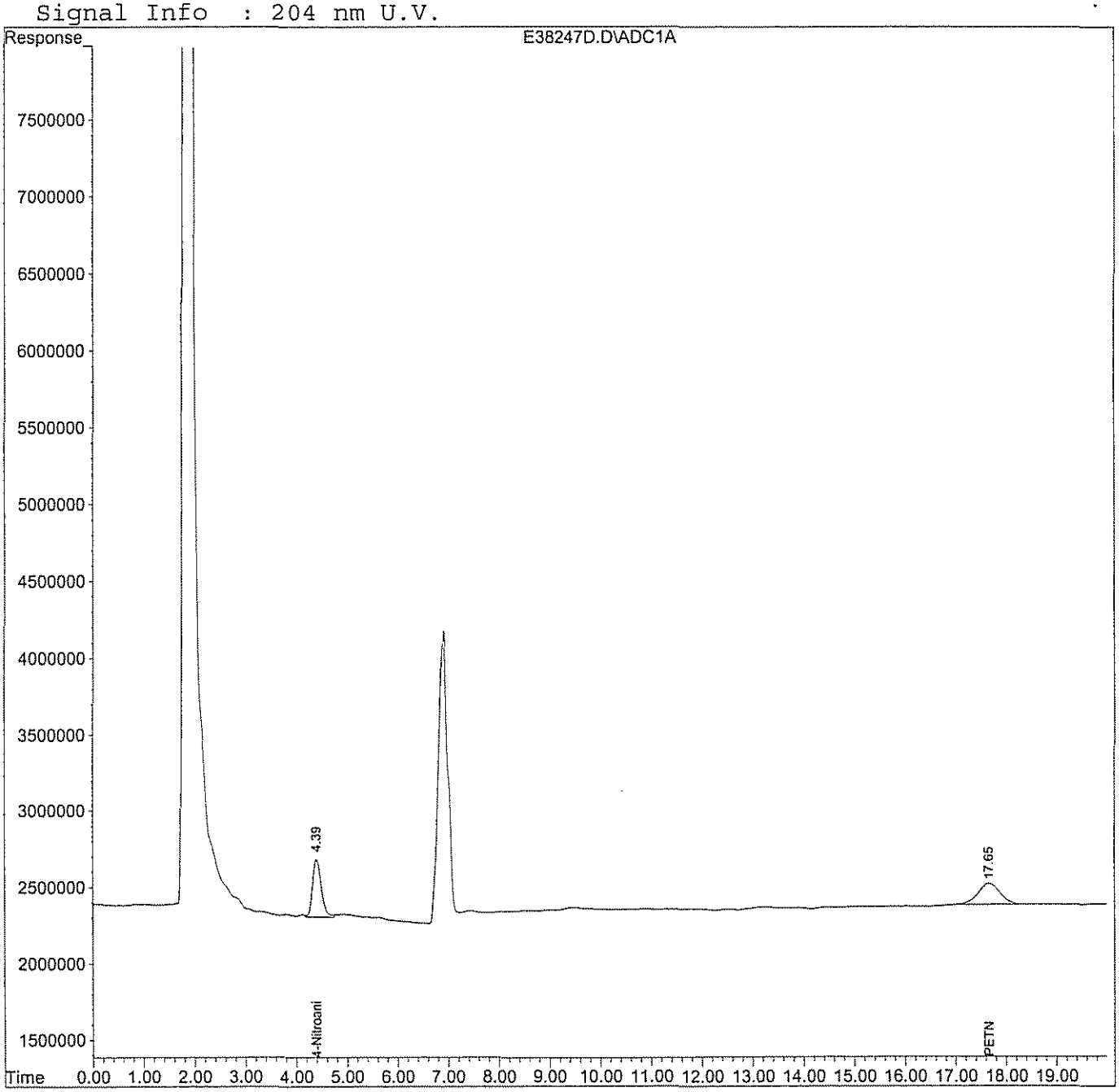
Camp Adair - Appendix F - Analytical Report 200-1e 4568
F10OR002908_01.09_0508_a

Quantitation Report

Data File : H:\LCDATA\LCE\101406\E38247D.D Vial: 11
Acq On : 15 Oct 2006 11:57 Operator: ST.
Sample : PETN STD Inst : LCC-FL
Misc : CONT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 15 16:29 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



D. Raw QC Data

1. Blank Data
2. Matrix Spike Data
3. Matrix Spike Duplicate Data
4. Laboratory Control Standard Data (where applicable)
5. Extraction Logsheet
6. Injection Logsheet

GPL Laboratories

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK93964

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK93964
Sample Volume :	1000	Lab File ID :	E38237D.D
% Moisture:		Date Received	
Extraction:	EXT_SW8330	Date Extracted:	09/25/2006
Extract Volume:	1 mL	Date Analyzed	10/14/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.050	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\101406\E38237D.D Vial: 1
Acq On : 14 Oct 2006 15:12 Operator: ST.
Sample : BLK93964 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 16:32 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.41	81908230	317.697 PPB
Spiked Amount 300.000		Recovery =	105.90%
Target Compounds			
2) T PETN	0.00	0	N.D. PPB

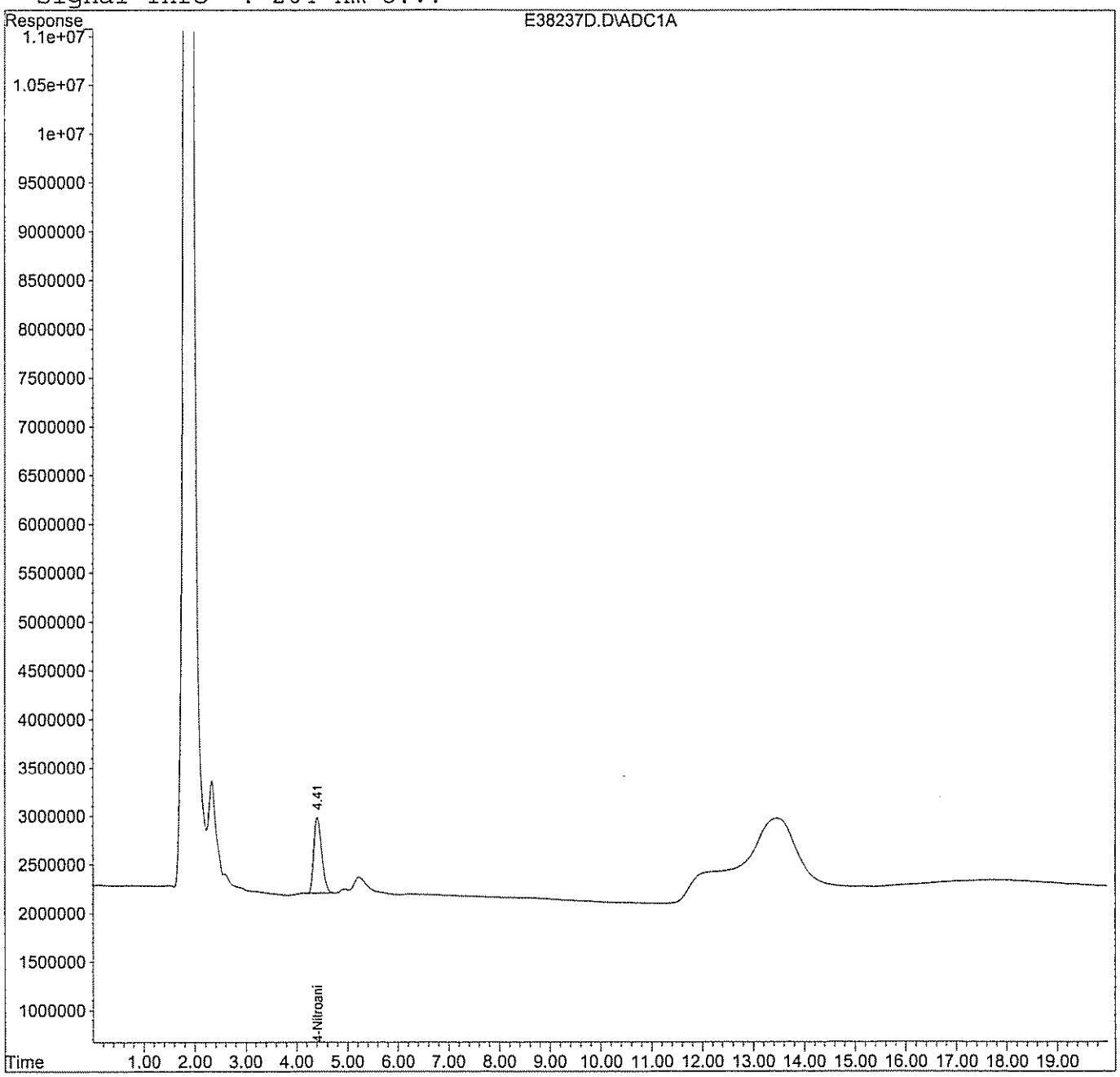
Cape Air - Appendix F - Analytical Report 200-1e 4572
F10OR002908_01_09_0508_a

Quantitation Report

Data File : H:\LCDATA\LCE\101406\E38237D.D Vial: 1
Acq On : 14 Oct 2006 15:12 Operator: ST.
Sample : BLK93964 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 16:32 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3005MS

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609118-001-033-1/6MS
Sample Volume :	990	Lab File ID :	E38239D.D
% Moisture:		Date Received	09/22/2006
Extraction:	EXT_SW8330	Date Extracted:	09/25/2006
Extract Volume:	1 mL	Date Analyzed	10/14/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.32	

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\101406\E38239D.D Vial: 3
Acq On : 14 Oct 2006 15:55 Operator: ST.
Sample : 609118-001-033-1/6MS Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 10:01 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.38	36280538	140.721	PPB	m
Spiked Amount 300.000		Recovery =	46.91%		
Target Compounds					
2) T PETN	17.60	60082277	312.601	PPB	m

(f)=RT Delta > 1/2 Window (m)=manual int

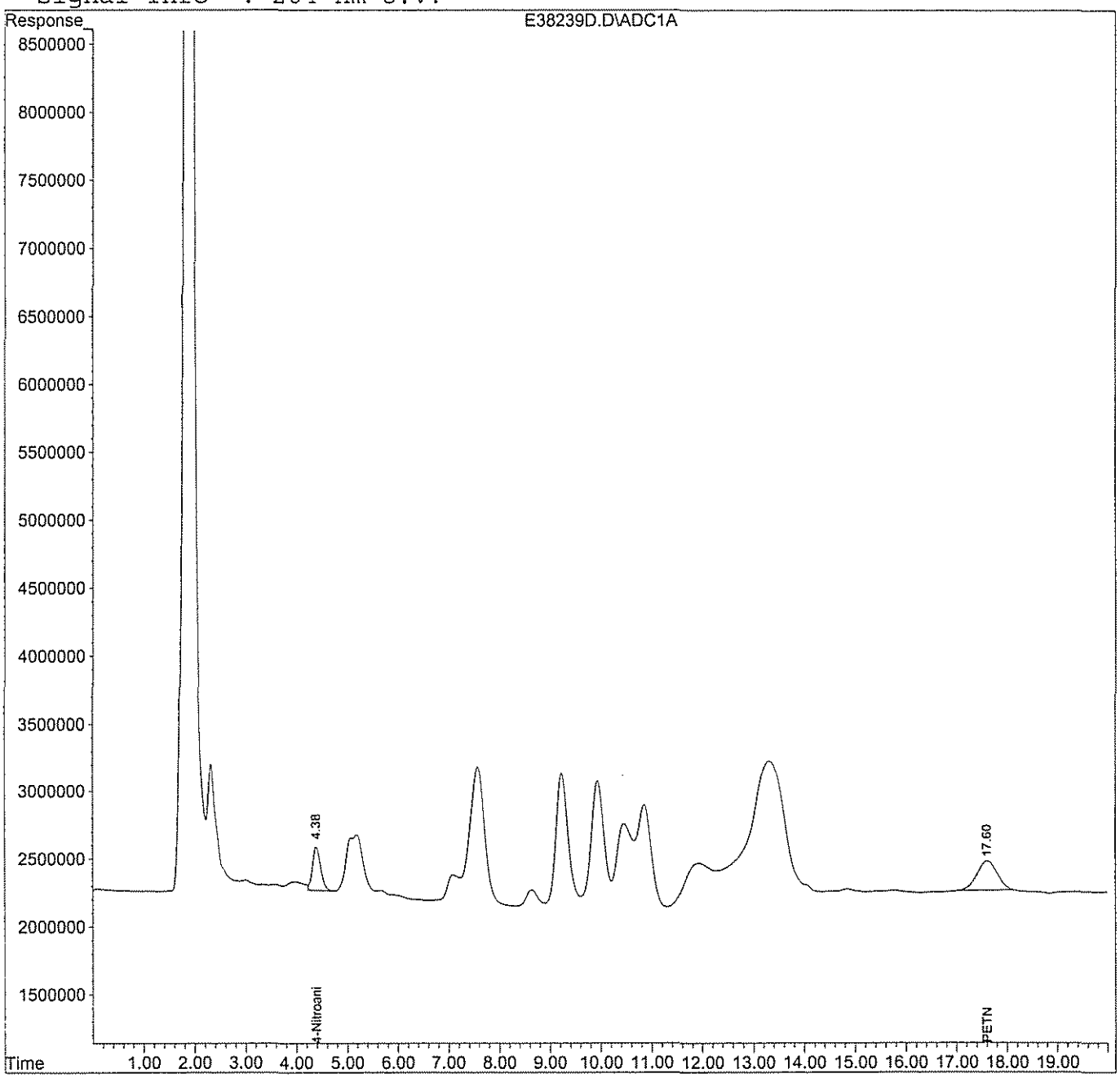
E38239D.D 6920PETN.M Tue Oct 17 10:02:05 2006 RPT Page 1

Quantitation Report

Data File : H:\LCDATA\LCE\101406\E38239D.D Vial: 3
Acq On : 14 Oct 2006 15:55 Operator: ST.
Sample : 609118-001-033-1/6MS Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 10:01 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3005MSD

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609118-001-033-1/6MSD
Sample Volume :	990	Lab File ID :	E38240D.D
% Moisture:		Date Received	09/22/2006
Extraction:	EXT_SW8330	Date Extracted:	09/25/2006
Extract Volume:	1 mL	Date Analyzed	10/14/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.27	

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\101406\E38240D.D Vial: 4
Acq On : 14 Oct 2006 16:16 Operator: ST.
Sample : 609118-001-033-1/6MSD Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:59 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.40	35960058	139.478	PPB	m
Spiked Amount 300.000		Recovery =	46.49%		
Target Compounds					
2) T PETN	17.64	52090141	271.019	PPB	m

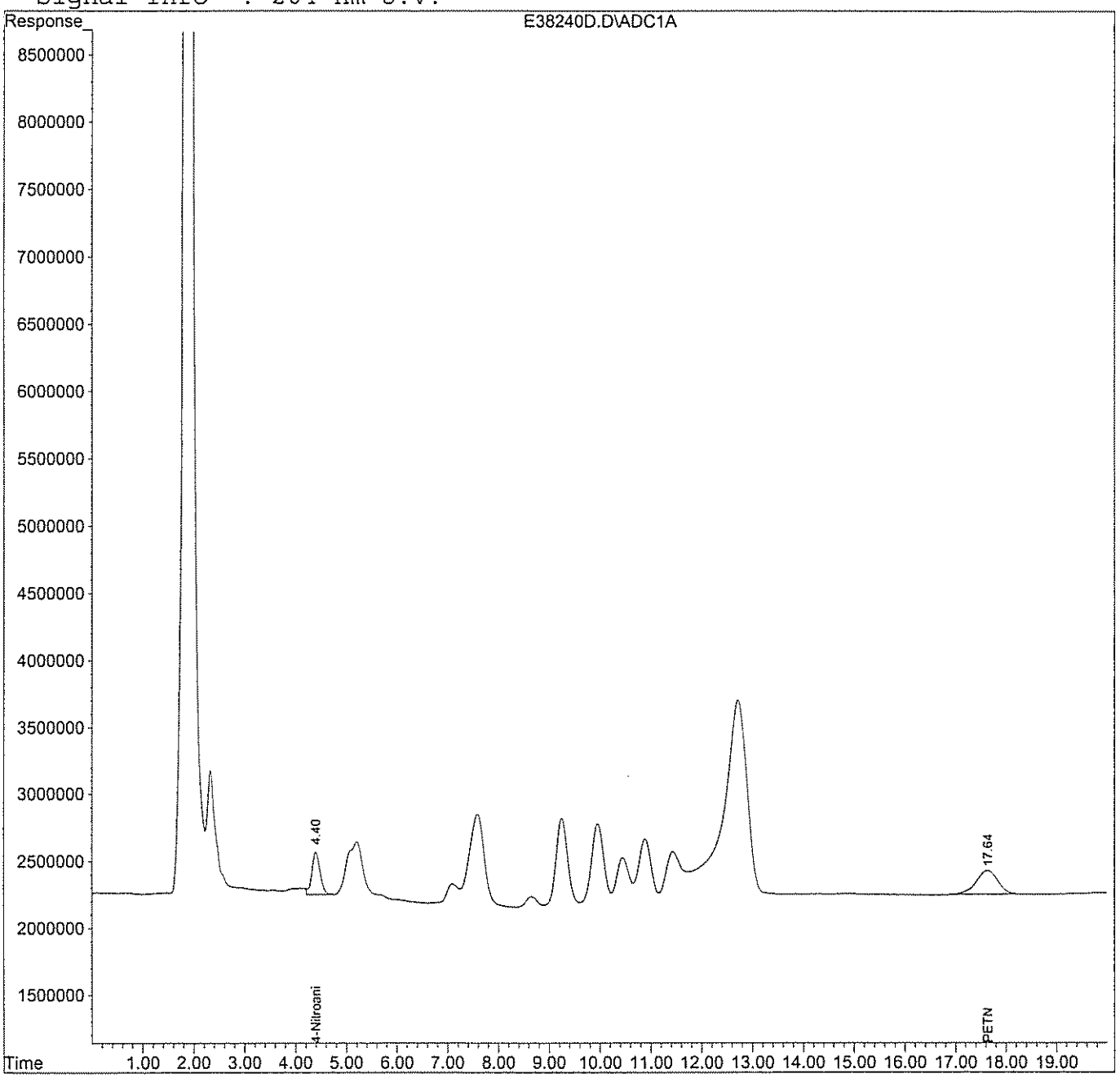
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCE\101406\E38240D.D Vial: 4
Acq On : 14 Oct 2006 16:16 Operator: ST.
Sample : 609118-001-033-1/6MSD Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:59 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS93964

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKS93964
Sample Volume :	1000	Lab File ID :	E38238D.D
% Moisture:		Date Received	
Extraction:	EXT_SW8330	Date Extracted:	09/25/2006
Extract Volume:	1 mL	Date Analyzed	10/14/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.16	

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCE\101406\E38238D.D Vial: 2
Acq On : 14 Oct 2006 15:33 Operator: ST.
Sample : BKS93964 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 16:33 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.39	68887826	267.194 PPB
Spiked Amount 300.000		Recovery =	89.06%
Target Compounds			
2) T PETN	17.61	29960472	155.881 PPB m

ST.
10/17/06

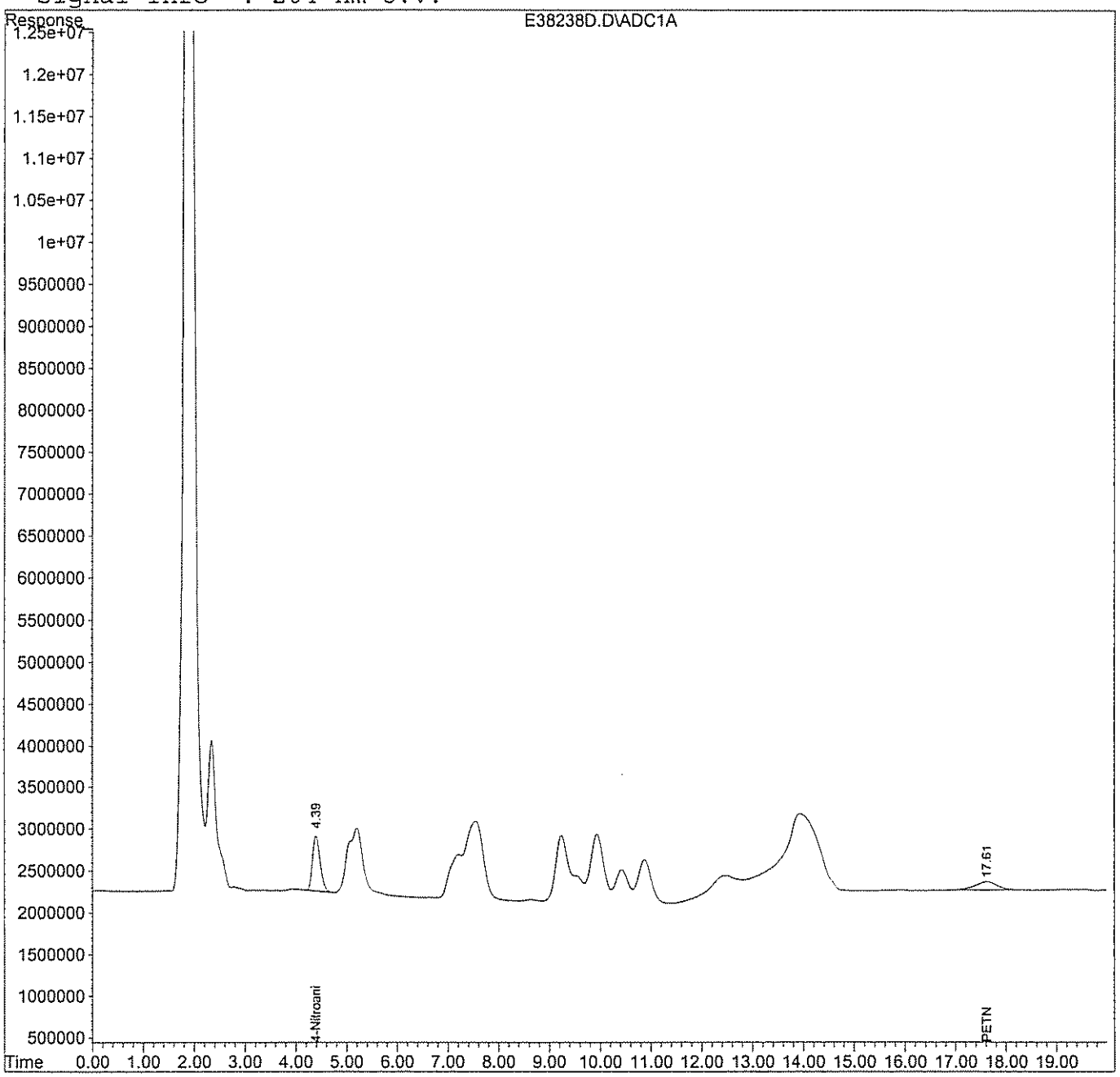
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report

Data File : H:\LCDATA\LCE\101406\E38238D.D Vial: 2
Acq On : 14 Oct 2006 15:33 Operator: ST.
Sample : BKS93964 Inst : LCC-FL
Misc : WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 16:33 2006 Quant Results File: 6920PETN.RES

Quant Method : H:\LCDATA\LCE\METHODS\6920PETN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Tue Aug 22 15:43:27 2006
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



EXPLOSIVES /NITROGUANIDINE /NITROGLYCERINE /PICRIC ACID /PETN EXTRACTION LOG

SOIL / WATER / WIPES

Approval / Date: BS/09/26/06 Client: Shaw

Analysis Method: 8330+PETN+NG

Extraction Chemist: VT Date: 9-25-06 Spike Witness: D-S-S

Work Order	Fraction	Sample Amount gram/mL	Surrogate Added, mL	Spike Added, mL	Final Volume, mL
609118	BLK	1000	1.0	—	20.0
	BKS1	1000		1.0+0.4	
	BKS2	1000		1.0	
	001MS1	990/1L		1.0+0.4	
	001MSD1	990/1L		↓	
	001MS2	990/1L		1.0	
	001MSD2	990/1L		↓	
	001	990/1L		—	
	002	980/1L			
	003	990/1L			
	005	950/1L			
↓	006	990/1L			
609117	001	980/1L			
	002	950/1L			
	003	980/1L			
	004	990/1L			
	005	960/1L			
↓	006	980/1L	↓	↓	↓

Solvent: ~~Acetonitrile~~ / DI Water

Solvent Lot #: 051296 Matrix Spike #: 37629 Matrix Spike Conc.: 5.0 PPM

Surrogate Solution #: 37212 Matrix Spike #: 37353 PETN Matrix Spike Conc.: 10.0 PPM

Surrogate Conc.(s): 6. PPM Matrix Spike #: 37354 NG Matrix Spike Conc.: 100 PPM

Calcium Chloride#: — Sodium Sulfate#: — Sand#:

Sodium Chloride#: —

Comments & Observations: most of the Samples filtered

xenco for 8330 # 93963
xenco for 8330+PETN # 93964
xenco for 8330+NG # 93968

HPLC ANALYSIS LOGBOOK

Instrument ID: LC # E (WATERS)

Method File: h:\lcdata\lce\methods	Data File Path: h:\lcdata\lce\092006
Detector/ Wavelength: UV	Mobile Phase: PETN-L49-62-13
Injection Volume: 100 uL	Flow Rate: 1.2 ml/min.

ICAL: 6920 PETN Analyst: ST. Reviewed by: S.S Date: 9/20/06

Injection Log

Directory: h:\lcdata\lce\092006

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	e37776.d	1.	PETN BLK	CONT CAL	20 Sep
2	2	e37777.d	1.	PETN LEVEL-1 50PPB	INIT CAL	20 Sep
3	3	e37778.d	1.	PETN LEVEL-2 100PPB	INIT CAL	20 Sep
4	4	e37779.d	1.	PETN LEVEL-3 200PPB	INIT CAL	20 Sep
5	5	e37780.d	1.	PETN LEVEL-4 500PPB	INIT CAL	20 Sep
6	6	e37781.d	1.	PETN LEVEL-5 1000PPB	INIT CAL	20 Sep
7	7	e37782.d	1.	PETN ICV- 200PPB	INIT CAL	20 Sep
8	8	e37783.d	1.	PETN STD 200PPB	CONT CAL	20 Sep
9	1	e37784.d	1.	PETN STD 200PPB	CONT CAL	20 Sep

LCE							
LCE							
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ST. 09/20/06

Remarks	Standard	Solution ID	Conc.	Date Prep.
# 91965	8330 PETN STD	#38042	10 ppm	09/04/06
	4-Nitroanaline	#37558	10 ppm	07/27/06
OK				

Pls. See pg 157 for 09/20/06 Exceptions. ST.

HPLC ANALYSIS LOGBOOK

Instrument ID: LC # E (WATERS)

Method File: h:\lcdata\lce\methods	Data File Path: h:\lcdata\lce\101406
Detector/ Wavelength: UV	Mobile Phase: PETN-449-64-11
Injection Volume: 100 uL.	Flow Rate: 1.2 ml/min.

ICAL: 6920PETN Analyst: ST. Reviewed by: JCS Date: 10/24/06

Injection Log

Directory: h:\lcdata\lce\101406

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	e38236d.d	1.	PETN STD	CONT CAL	14 Oct
2	1	e38237d.d	1.	BLK93964	WATER	14 Oct
3	2	e38238d.d	1.	BKS93964	WATER	14 Oct
4	3	e38239d.d	1.	609118-001-033-1/6MS	WATER	14 Oct
5	4	e38240d.d	1.	609118-001-033-1/6MSD	WATER	14 Oct
6	5	e38241d.d	1.	609118-001-033-1/6	WATER	14 Oct
7	6	e38242d.d	1.	609118-002-001-1/2	WATER	14 Oct
8	7	e38243d.d	1.	609118-003-003-1/2	WATER	14 Oct
9	8	e38244d.d	1.	609118-005-005-1/2	WATER	14 Oct
10	9	e38245d.d	1.	609118-006-007-1/2	WATER	14 Oct
11	10	e38246d.d	1.	RINSE	ACN	14 Oct
12	11	e38247d.d	1.	PETN STD	CONT CAL	15 Oct
13	12	e38248d.d	1.	PETN STD	CONT CAL	15 Oct

LCE							
LCE							
LCE							
LCE							
LCE							
LCE							
LCE							
LCE							
LCE							
LCE							

ST. 10/24/06

Remarks	Standard	Solution ID	Conc.	Date Prep.
	PETN STD	#38042	10ppm	09/04/06
		#38341	10ppm	10/11/06

PETN RETENTION TIME WINDOW ESTABLISHMENT**

INTRUMENT: LCE
COLUMN: LC-18 ANALYST ST
DATE: 09/20/06

	E37783D		E337784D		E37841D					
COMPOUND	RT1	PW1	RT2	PW2	RT3	PW3	Avg RT	3x RT Std Dev	Avg PW	RT Window
PETN	17.09	0.71	17.18	0.74	17.21	0.69	17.16	0.187	0.72	0.375

Advisory Retention Time Windows are based on three daily calibration check standards
Run within a 72 hour window

Windows are the greater of 1/2 the average peak width,
or +/- 3 times the retention time standard deviation

TRACE METALS

GPL Laboratories

USEPA - CLP

COVER PAGE

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 609118

SOW No.: SW846

EPA Sample No.	Lab Sample ID
NWO-017-3001	S 609118-007-026-1/1
NWO-017-3005	S 609118-001-039-1/3
NWO-017-3005 MS	SP609118-001-039-1/3
NWO-017-3005 MSD	SD609118-001-039-1/3
NWO-017-3006	S 609118-002-009-1/1
NWO-017-3007	S 609118-003-010-1/1
NWO-017-3011	S 609118-005-011-1/1
NWO-017-3011 FD	S 609118-006-012-1/1
NWO-017-6002	S 609118-004-025-1/1

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	YES	YES
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	YES	YES
if yes, were raw data generated before application of background corrections?	(Yes/No)	NO	YES

Comments:

I certify that this Sample Data Package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy Sample Data Package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as referred by the following signature.

Signature: Name: kelvin k-c. Chai

Date: 10/19/2006 Title: Chemist

GPL Laboratories, LLLP

Sample Results

Project:	609118	Matrix:	Water
Lab Sample ID:	S 609118-001-039-1/3	Percent Moisture:	NA
Client Sample ID:	NWO-017-3005	Prep Batch:	93940
Analysis Method:	6020 ICPMS Analysis	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	5.5	100	5.5	U	1	10/18/06 23:47
Antimony	121	0.13	1.0	0.13	U	1	10/18/06 23:47
Barium	137	0.15	5.0	10.0	B	1	10/18/06 23:47
Cadmium	110	0.17	0.50	0.17	U	1	10/18/06 23:47
Chromium	52	1.3	2.0	1.3	U	1	10/18/06 23:47
Cobalt	59	0.016	1.0	0.016	U	1	10/18/06 23:47
Copper	65	0.43	2.0	2.3		1	10/18/06 23:47
Iron	56	5.5	50.0	36.9	J	1	10/18/06 23:47
Lead	208	0.18	2.0	0.18	U	1	10/18/06 23:47
Magnesium	25	4.8	100	7500		1	10/18/06 23:47
Manganese	55	0.39	2.0	32.1		1	10/18/06 23:47
Molybdenum	95	0.12	5.0	0.45	J	1	10/18/06 23:47
Nickel	60	0.15	1.0	1.0	B	1	10/18/06 23:47
Strontium	88	0.17	2.0	197		1	10/18/06 23:47
Titanium	47	0.29	2.0	0.90	J	1	10/18/06 23:47
Zinc	66	1.8	10.0	13.8		1	10/18/06 23:47

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

GPL Laboratories, LLLP

Sample Results

Project:	609118	Matrix:	Water
Lab Sample ID:	S 609118-001-039-1/3	Percent Moisture:	NA
Client Sample ID:	NWO-017-3005	Prep Batch:	94148
Analysis Method:	Mercury (7470A, Cold Vapor)	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.034	0.20	0.034	U	1	10/06/06 15:13

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

GPL Laboratories, LLLP

Sample Results

Project:	609118	Matrix:	Water
Lab Sample ID:	S 609118-002-009-1/1	Percent Moisture:	NA
Client Sample ID:	NWO-017-3006	Prep Batch:	93940
Analysis Method:	6020 ICPMS Analysis	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	5.5	100	38.0	J	1	10/19/06 0:18
Antimony	121	0.13	1.0	0.21	J	1	10/19/06 0:18
Barium	137	0.15	5.0	22.0	B	1	10/19/06 0:18
Cadmium	110	0.17	0.50	0.17	U	1	10/19/06 0:18
Chromium	52	1.3	2.0	1.3	U	1	10/19/06 0:18
Cobalt	59	0.016	1.0	0.61	J	1	10/19/06 0:18
Copper	65	0.43	2.0	1.4	J	1	10/19/06 0:18
Iron	56	5.5	50.0	893		1	10/19/06 0:18
Lead	208	0.18	2.0	0.21	J	1	10/19/06 0:18
Magnesium	25	4.8	100	1420		1	10/19/06 0:18
Manganese	55	0.39	2.0	28.2		1	10/19/06 0:18
Molybdenum	95	0.12	5.0	5.8		1	10/19/06 0:18
Nickel	60	0.15	1.0	3.8	B	1	10/19/06 0:18
Strontium	88	0.17	2.0	60.7		1	10/19/06 0:18
Titanium	47	0.29	2.0	0.87	J	1	10/19/06 0:18
Zinc	66	1.8	10.0	11.7		1	10/19/06 0:18

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

GPL Laboratories, LLLP

Sample Results

Project:	609118	Matrix:	Water
Lab Sample ID:	S 609118-002-009-1/1	Percent Moisture:	NA
Client Sample ID:	NWO-017-3006	Prep Batch:	94148
Analysis Method:	Mercury (7470A, Cold Vapor)	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.034	0.20	0.034	U	1	10/06/06 15:20

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

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Sample Results

Project:	609118	Matrix:	Water
Lab Sample ID:	S 609118-003-010-1/1	Percent Moisture:	NA
Client Sample ID:	NWO-017-3007	Prep Batch:	93940
Analysis Method:	6020 ICPMS Analysis	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	5.5	100	22.3	J	1	10/19/06 0:24
Antimony	121	0.13	1.0	0.13	U	1	10/19/06 0:24
Barium	137	0.15	5.0	35.9	B	1	10/19/06 0:24
Cadmium	110	0.17	0.50	0.17	U	1	10/19/06 0:24
Chromium	52	1.3	2.0	1.3	U	1	10/19/06 0:24
Cobalt	59	0.016	1.0	1.2		1	10/19/06 0:24
Copper	65	0.43	2.0	2.7		1	10/19/06 0:24
Iron	56	5.5	50.0	32.3	J	1	10/19/06 0:24
Lead	208	0.18	2.0	0.38	J	1	10/19/06 0:24
Magnesium	25	4.8	100	4180		1	10/19/06 0:24
Manganese	55	0.39	2.0	310		1	10/19/06 0:24
Molybdenum	95	0.12	5.0	0.18	J	1	10/19/06 0:24
Nickel	60	0.15	1.0	3.7	B	1	10/19/06 0:24
Strontium	88	0.17	2.0	83.5		1	10/19/06 0:24
Titanium	47	0.29	2.0	0.97	J	1	10/19/06 0:24
Zinc	66	1.8	10.0	10.4		1	10/19/06 0:24

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

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Sample Results

Project:	609118	Matrix:	Water
Lab Sample ID:	S 609118-003-010-1/1	Percent Moisture:	NA
Client Sample ID:	NWO-017-3007	Prep Batch:	94148
Analysis Method:	Mercury (7470A, Cold Vapor)	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.034	0.20	0.034	U	1	10/06/06 15:24

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

GPL Laboratories, LLLP
Sample Results

Project:	609118	Matrix:	Water
Lab Sample ID:	S 609118-004-025-1/1	Percent Moisture:	NA
Client Sample ID:	NWO-017-6002	Prep Batch:	93940
Analysis Method:	6020 ICPMS Analysis	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	5.5	100	22.9	J	1	10/19/06 0:43
Antimony	121	0.13	1.0	0.13	U	1	10/19/06 0:43
Barium	137	0.15	5.0	0.95	JB	1	10/19/06 0:43
Cadmium	110	0.17	0.50	0.17	U	1	10/19/06 0:43
Chromium	52	1.3	2.0	1.3	U	1	10/19/06 0:43
Cobalt	59	0.016	1.0	0.021	J	1	10/19/06 0:43
Copper	65	0.43	2.0	1.4	J	1	10/19/06 0:43
Iron	56	5.5	50.0	27.6	J	1	10/19/06 0:43
Lead	208	0.18	2.0	0.28	J	1	10/19/06 0:43
Magnesium	25	4.8	100	24.5	J	1	10/19/06 0:43
Manganese	55	0.39	2.0	1.5	J	1	10/19/06 0:43
Molybdenum	95	0.12	5.0	1.8	J	1	10/19/06 0:43
Nickel	60	0.15	1.0	1.1	B	1	10/19/06 0:43
Strontium	88	0.17	2.0	1.8	J	1	10/19/06 0:43
Titanium	47	0.29	2.0	0.76	J	1	10/19/06 0:43
Zinc	66	1.8	10.0	10.3		1	10/19/06 0:43

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

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Sample Results

Project:	609118	Matrix:	Water
Lab Sample ID:	S 609118-004-025-1/1	Percent Moisture:	NA
Client Sample ID:	NWO-017-6002	Prep Batch:	94148
Analysis Method:	Mercury (7470A, Cold Vapor)	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.034	0.20	0.034	U	1	10/06/06 15:27

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

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Sample Results

Project:	609118	Matrix:	Water
Lab Sample ID:	S 609118-005-011-1/1	Percent Moisture:	NA
Client Sample ID:	NWO-017-3011	Prep Batch:	93940
Analysis Method:	6020 ICPMS Analysis	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	5.5	100	11.8	J	1	10/19/06 0:49
Antimony	121	0.13	1.0	0.13	U	1	10/19/06 0:49
Barium	137	0.15	5.0	20.2	B	1	10/19/06 0:49
Cadmium	110	0.17	0.50	0.17	U	1	10/19/06 0:49
Chromium	52	1.3	2.0	1.3	U	1	10/19/06 0:49
Cobalt	59	0.016	1.0	0.016	U	1	10/19/06 0:49
Copper	65	0.43	2.0	1.4	J	1	10/19/06 0:49
Iron	56	5.5	50.0	16.3	J	1	10/19/06 0:49
Lead	208	0.18	2.0	0.24	J	1	10/19/06 0:49
Magnesium	25	4.8	100	1410		1	10/19/06 0:49
Manganese	55	0.39	2.0	11.3		1	10/19/06 0:49
Molybdenum	95	0.12	5.0	1.3	J	1	10/19/06 0:49
Nickel	60	0.15	1.0	0.29	JB	1	10/19/06 0:49
Strontium	88	0.17	2.0	101		1	10/19/06 0:49
Titanium	47	0.29	2.0	0.85	J	1	10/19/06 0:49
Zinc	66	1.8	10.0	18.2		1	10/19/06 0:49

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

GPL Laboratories, LLLP

Sample Results

Project:	609118	Matrix:	Water
Lab Sample ID:	S 609118-005-011-1/1	Percent Moisture:	NA
Client Sample ID:	NWO-017-3011	Prep Batch:	94148
Analysis Method:	Mercury (7470A, Cold Vapor)	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.034	0.20	0.034	U	1	10/06/06 15:29

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

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Sample Results

Project:	609118	Matrix:	Water
Lab Sample ID:	S 609118-006-012-1/1	Percent Moisture:	NA
Client Sample ID:	NWO-017-3011 FD	Prep Batch:	93940
Analysis Method:	6020 ICPMS Analysis	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	5.5	100	7.4	J	1	10/19/06 0:55
Antimony	121	0.13	1.0	0.13	U	1	10/19/06 0:55
Barium	137	0.15	5.0	19.6	B	1	10/19/06 0:55
Cadmium	110	0.17	0.50	0.17	U	1	10/19/06 0:55
Chromium	52	1.3	2.0	1.3	U	1	10/19/06 0:55
Cobalt	59	0.016	1.0	0.016	U	1	10/19/06 0:55
Copper	65	0.43	2.0	1.6	J	1	10/19/06 0:55
Iron	56	5.5	50.0	30.1	J	1	10/19/06 0:55
Lead	208	0.18	2.0	0.25	J	1	10/19/06 0:55
Magnesium	25	4.8	100	1400		1	10/19/06 0:55
Manganese	55	0.39	2.0	11.5		1	10/19/06 0:55
Molybdenum	95	0.12	5.0	1.4	J	1	10/19/06 0:55
Nickel	60	0.15	1.0	1.1	B	1	10/19/06 0:55
Strontium	88	0.17	2.0	98.3		1	10/19/06 0:55
Titanium	47	0.29	2.0	0.79	J	1	10/19/06 0:55
Zinc	66	1.8	10.0	9.2	J	1	10/19/06 0:55

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

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Sample Results

Project:	609118	Matrix:	Water
Lab Sample ID:	S 609118-006-012-1/1	Percent Moisture:	NA
Client Sample ID:	NWO-017-3011 FD	Prep Batch:	94148
Analysis Method:	Mercury (7470A, Cold Vapor)	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.034	0.20	0.034	U	1	10/06/06 15:33

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

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Sample Results

Project:	609118	Matrix:	Water
Lab Sample ID:	S 609118-007-026-1/1	Percent Moisture:	NA
Client Sample ID:	NWO-017-3001	Prep Batch:	93940
Analysis Method:	6020 ICPMS Analysis	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Lead	208	0.18	2.0	0.39	J	1	10/19/06 1:01

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

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Initial Calibration Verification

Project:	609118	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:	AB.ST.	Standard ID:	

Analyte	True	ICV 10/18/2006 1:15:43 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	500.0	458.83	92						
Antimony	40.0	41.54	104						
Barium	40.0	41.56	104						
Chromium	40.0	38.14	95						
Cobalt	40.0	40.41	101						
Copper	40.0	40.58	101						
Iron	500.0	517.80	104						
Lead	40.0	41.25	103						
Magnesium	5000.0	4777.00	96						
Manganese	40.0	40.67	102						
Molybdenum	40.0	41.04	103						
Nickel	40.0	41.12	103						
Strontium	40.0	40.78	102						
Titanium	40.0	40.12	100						
Zinc	40.0	42.08	105						

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Initial Calibration Verification

Project:	609118	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:	AB. ST.	Standard ID:	

Analyte	True	ICV(Cd) 10/18/2006 1:21:52 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Cadmium	4.0	3.97	99						

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Initial Calibration Verification

Project:	609118	Instrument:	7470
Units:	ug/L	Data File Name:	HG061006.PRN
Standard Source:	CPI	Standard ID:	

Analyte	True	Ck2 ICV 10/6/2006 1:16:32 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Mercury	3.0	3.10	103						

GPL Laboratories, LLLP

Continuing Calibration Verification

Project:	609118	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:		Standard ID:	

Analyte	True	CCV1 10/18/2006 1:34:15 PM		CCV2 10/18/2006 2:17:08 PM		CCV3 10/18/2006 3:36:53 PM		CCV4 10/18/2006 4:50:36 PM	
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	5000.0	4981.33	100	4970.00	99	5056.67	101	5043.00	101
Antimony	50.0	49.96	100	49.93	100	49.74	99	49.82	100
Barium	50.0	48.67	97	48.26	97	48.52	97	48.33	97
Cadmium	50.0	49.14	98	49.80	100	49.90	100	49.36	99
Chromium	50.0	47.91	96	49.01	98	48.70	97	48.07	96
Cobalt	50.0	48.67	97	48.74	97	49.16	98	49.36	99
Copper	50.0	49.41	99	49.54	99	49.60	99	50.26	101
Iron	5000.0	5014.33	100	4886.00	98	5006.67	100	5054.00	101
Lead	50.0	49.68	99	49.68	99	49.46	99	49.53	99
Magnesium	10000.0	9592.33	96	9562.67	96	9714.00	97	9746.67	97
Manganese	50.0	48.93	98	48.84	98	49.44	99	48.79	98
Molybdenum	50.0	50.22	100	50.93	102	50.30	101	50.06	100
Nickel	50.0	49.17	98	49.39	99	49.72	99	50.04	100
Strontium	50.0	49.55	99	49.60	99	50.10	100	49.77	100
Titanium	50.0	49.66	99	48.75	98	49.25	99	49.15	98
Zinc	50.0	49.34	99	49.84	100	50.09	100	50.22	100

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Continuing Calibration Verification

Project:	609118	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:		Standard ID:	

Analyte	True	CCV5 10/18/2006 6:04:12 PM		CCV6 10/18/2006 7:23:56 PM		CCV7 10/18/2006 8:37:36 PM		CCV8 10/18/2006 9:57:16 PM	
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	5000.0	5047.67	101	5041.33	101	5094.33	102	5176.67	104
Antimony	50.0	49.40	99	48.89	98	48.82	98	49.38	99
Barium	50.0	48.08	96	47.86	96	48.20	96	48.68	97
Cadmium	50.0	49.78	100	49.84	100	49.15	98	49.73	99
Chromium	50.0	47.58	95	47.99	96	48.05	96	48.39	97
Cobalt	50.0	48.44	97	48.35	97	48.13	96	49.07	98
Copper	50.0	49.34	99	48.74	97	48.64	97	49.61	99
Iron	5000.0	5047.67	101	4934.67	99	5028.00	101	5103.33	102
Lead	50.0	49.07	98	48.94	98	48.62	97	50.20	100
Magnesium	10000.0	9721.00	97	9764.00	98	9824.33	98	9969.67	100
Manganese	50.0	48.62	97	49.06	98	48.66	97	49.28	99
Molybdenum	50.0	50.18	100	50.56	101	50.07	100	50.91	102
Nickel	50.0	49.09	98	48.85	98	48.55	97	49.23	98
Strontium	50.0	49.62	99	49.13	98	49.37	99	50.60	101
Titanium	50.0	48.43	97	48.51	97	48.54	97	49.39	99
Zinc	50.0	49.67	99	49.40	99	48.95	98	50.99	102

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Continuing Calibration Verification

Project:	609118	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:		Standard ID:	

Analyte	True	CCV9 10/18/2006 11:10:59 PM		CCV10 10/19/2006 12:30:44 AM		CCV11 10/19/2006 1:50:32 AM		CCV12 10/19/2006 2:57:54 AM	
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	5000.0	5102.67	102	5079.33	102	5103.33	102	5135.00	103
Antimony	50.0	49.23	98	49.04	98	49.71	99	49.70	99
Barium	50.0	47.78	96	47.54	95	48.77	98	48.80	98
Cadmium	50.0	48.73	97	48.95	98	49.62	99	49.40	99
Chromium	50.0	47.03	94	47.39	95	47.99	96	49.22	98
Cobalt	50.0	48.10	96	48.16	96	48.37	97	48.97	98
Copper	50.0	48.09	96	48.64	97	49.17	98	49.65	99
Iron	5000.0	5009.67	100	5103.67	102	5099.67	102	4977.33	100
Lead	50.0	48.32	97	47.59	95	47.81	96	48.57	97
Magnesium	10000.0	9863.33	99	9839.00	98	9809.33	98	9865.67	99
Manganese	50.0	48.22	96	49.08	98	48.94	98	48.69	97
Molybdenum	50.0	49.38	99	49.97	100	49.92	100	50.86	102
Nickel	50.0	48.51	97	48.05	96	48.72	97	49.91	100
Strontium	50.0	49.23	98	49.75	100	50.05	100	49.36	99
Titanium	50.0	48.28	97	49.09	98	49.11	98	49.70	99
Zinc	50.0	49.72	99	49.79	100	50.27	101	50.91	102

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Continuing Calibration Verification

Project:	609118	Instrument:	7470
Units:	ug/L	Data File Name:	HG061006.PRN
Standard Source:	AB.ST.	Standard ID:	

Analyte	True	Ck5 CCV1 10/6/2006 1:24:46 PM		Ck5 CCV2 10/6/2006 1:58:14 PM		Ck5 CCV3 10/6/2006 2:32:38 PM		Ck5 CCV4 10/6/2006 3:05:11 PM	
		Found	%R	Found	%R	Found	%R	Found	%R
Mercury	5.0	5.12	102	5.14	103	5.16	103	5.22	104

GPL Laboratories, LLLP

Continuing Calibration Verification

Project:	609118	Instrument:	7470
Units:	ug/L	Data File Name:	HG061006.PRN
Standard Source:	AB.ST.	Standard ID:	

Analyte	True	Ck5 CCV5 10/6/2006 3:38:17 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Mercury	5.0	5.23	105						

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Low Level Check Standard

Project:	609118	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:	H. P	Standard ID:	

Analyte	True	PQL 10/18/2006 1:46:33 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	100.0	90.48	90						
Antimony	1.0	1.12	112						
Barium	5.0	5.05	101						
Cadmium	0.5	0.46	92						
Chromium	2.0	1.61	80						
Cobalt	1.0	1.00	100						
Copper	2.0	2.10	105						
Iron	50.0	45.83	92						
Lead	2.0	1.95	98						
Magnesium	100.0	94.68	95						
Manganese	2.0	2.01	101						
Molybdenum	5.0	4.97	99						
Nickel	1.0	1.01	101						
Strontium	2.0	2.03	101						
Titanium	2.0	1.82	91						
Zinc	10.0	10.09	101						

GPL Laboratories, LLLP

Low Level Check Standard

Project:	609118	Instrument:	7470
Units:	ug/L	Data File Name:	HG061006.PRN
Standard Source:	AB.ST	Standard ID:	

Analyte	True	Ck4 CRA 10/6/2006 1:21:51 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Mercury	0.2	0.20	101						

GPL Laboratories, LLLP

Initial Calibration Blanks

Project:	609118	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:		Standard ID:	

Analyte	RL	ICB 10/18/2006 1:28:07 PM							
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Aluminum	100.00	5.50	U						
Antimony	1.00	0.13	U						
Barium	5.00	0.15	U						
Cadmium	0.50	0.17	U						
Chromium	2.00	1.30	U						
Cobalt	1.00	0.02	U						
Copper	2.00	0.43	U						
Iron	50.00	5.50	U						
Lead	2.00	0.18	U						
Magnesium	100.00	4.80	U						
Manganese	2.00	0.39	U						
Molybdenum	5.00	0.12	U						
Nickel	1.00	0.15	U						
Strontium	2.00	0.17	U						
Titanium	2.00	0.29	U						
Zinc	10.00	1.80	U						

GPL Laboratories, LLLP

Initial Calibration Blanks

Project:	609118	Instrument:	7470
Units:	ug/L	Data File Name:	HG061006.PRN
Standard Source:		Standard ID:	

Analyte	RL	Ck3 ICB 10/6/2006 1:19:18 PM							
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Mercury	0.20	0.03	U						

GPL Laboratories, LLLP

Preparation Blank Results

Project:	609118	Matrix:	Water
Lab Sample ID:	BLK93940	Percent Moisture:	NA
Client Sample ID:	NA	Prep Batch:	93940
Analysis Method:	6020 ICPMS Analysis	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	5.5	100	16.3	J	1	10/18/06 23:35
Antimony	121	0.13	1.0	0.13	U	1	10/18/06 23:35
Barium	137	0.15	5.0	0.64	J	1	10/18/06 23:35
Cadmium	110	0.17	0.50	0.17	U	1	10/18/06 23:35
Chromium	52	1.3	2.0	1.3	U	1	10/18/06 23:35
Cobalt	59	0.016	1.0	0.016	U	1	10/18/06 23:35
Copper	65	0.43	2.0	0.43	U	1	10/18/06 23:35
Iron	56	5.5	50.0	5.5	U	1	10/18/06 23:35
Lead	208	0.18	2.0	0.18	U	1	10/18/06 23:35
Magnesium	25	4.8	100	4.8	U	1	10/18/06 23:35
Manganese	55	0.39	2.0	0.39	U	1	10/18/06 23:35
Molybdenum	95	0.12	5.0	0.12	U	1	10/18/06 23:35
Nickel	60	0.15	1.0	0.15	U	1	10/18/06 23:35
Strontium	88	0.17	2.0	0.21	J	1	10/18/06 23:35
Titanium	47	0.29	2.0	0.29	U	1	10/18/06 23:35
Zinc	66	1.8	10.0	1.8	J	1	10/18/06 23:35

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

GPL Laboratories, LLLP

Preparation Blank Results

Project:	609118	Matrix:	Water
Lab Sample ID:	BLK94148	Percent Moisture:	NA
Client Sample ID:	NA	Prep Batch:	94148
Analysis Method:	Mercury (7470A, Cold Vapor)	Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.034	0.20	0.034	U	1	10/06/06 14:41

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

GPL Laboratories, LLLP

Continuing Calibration Blanks

Project:	609118	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:		Standard ID:	

Analyte	RL	CCB1 10/18/2006 1:40:25 PM		CCB2 10/18/2006 2:23:16 PM		CCB3 10/18/2006 3:43:02 PM		CCB4 10/18/2006 4:56:43 PM	
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Aluminum	100.00	5.50	U	5.50	U	5.50	U	5.50	U
Antimony	1.00	0.13	U	0.13	U	0.13	U	0.13	U
Barium	5.00	0.15	U	0.15	U	0.15	U	0.15	U
Cadmium	0.50	0.17	U	0.17	U	0.17	U	0.17	U
Chromium	2.00	1.30	U	1.30	U	1.30	U	1.30	U
Cobalt	1.00	0.02	U	0.02	U	0.02	U	0.02	U
Copper	2.00	0.43	U	0.43	U	0.43	U	0.43	U
Iron	50.00	5.50	U	5.50	U	5.50	U	5.50	U
Lead	2.00	0.18	U	0.18	U	0.18	U	0.18	U
Magnesium	100.00	4.80	U	4.80	U	4.80	U	4.80	U
Manganese	2.00	0.39	U	0.39	U	0.39	U	0.39	U
Molybdenum	5.00	0.12	U	0.40	J	0.12	U	0.12	U
Nickel	1.00	0.15	U	0.15	U	0.15	U	0.15	U
Strontium	2.00	0.17	U	0.17	U	0.17	U	0.17	U
Titanium	2.00	0.29	U	0.29	U	0.29	U	0.29	U
Zinc	10.00	1.80	U	1.80	U	1.80	U	1.80	U

GPL Laboratories, LLLP
Continuing Calibration Blanks

Project:	609118	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:		Standard ID:	

Analyte	RL	CCB5 10/18/2006 6:10:21 PM		CCB6 10/18/2006 7:30:04 PM		CCB7 10/18/2006 8:43:44 PM		CCB8 10/18/2006 10:03:23 PM	
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Aluminum	100.00	5.50	U	5.50	U	5.50	U	5.50	U
Antimony	1.00	0.13	U	0.13	U	0.13	U	0.13	U
Barium	5.00	0.15	U	0.15	U	0.15	U	0.15	U
Cadmium	0.50	0.17	U	0.17	U	0.17	U	0.17	U
Chromium	2.00	1.30	U	1.30	U	1.30	U	1.30	U
Cobalt	1.00	0.02	U	0.02	U	0.02	U	0.02	U
Copper	2.00	0.43	U	0.43	U	0.43	U	0.43	U
Iron	50.00	5.50	U	5.50	U	5.50	U	5.50	U
Lead	2.00	0.18	U	0.18	U	0.18	U	0.18	U
Magnesium	100.00	4.80	U	4.80	U	4.80	U	4.80	U
Manganese	2.00	0.39	U	0.39	U	0.39	U	0.39	U
Molybdenum	5.00	0.12	U	0.41	J	0.12	U	0.12	U
Nickel	1.00	0.15	U	0.15	U	0.15	U	0.15	U
Strontium	2.00	0.17	U	0.17	U	0.17	U	0.17	U
Titanium	2.00	0.29	U	0.29	U	0.29	U	0.29	U
Zinc	10.00	1.80	U	1.80	U	1.80	U	1.80	U

GPL Laboratories, LLLP

Continuing Calibration Blanks

Project:	609118	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:		Standard ID:	

Analyte	RL	CCB9 10/18/2006 11:17:07 PM		CCB10 10/19/2006 12:36:51 AM		CCB11 10/19/2006 1:56:40 AM		CCB12 10/19/2006 3:04:03 AM	
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Aluminum	100.00	5.50	U	5.50	U	5.50	U	5.50	U
Antimony	1.00	0.13	U	0.13	U	0.13	U	0.13	U
Barium	5.00	0.15	U	0.15	U	0.15	U	0.15	U
Cadmium	0.50	0.17	U	0.17	U	0.17	U	0.17	U
Chromium	2.00	1.30	U	1.30	U	1.30	U	1.30	U
Cobalt	1.00	0.02	U	0.02	U	0.02	U	0.02	U
Copper	2.00	0.43	U	0.43	U	0.43	U	0.43	U
Iron	50.00	5.50	U	5.50	U	5.50	U	5.50	U
Lead	2.00	0.18	U	0.18	U	0.18	U	0.18	U
Magnesium	100.00	4.80	U	4.80	U	4.80	U	4.80	U
Manganese	2.00	0.39	U	0.39	U	0.39	U	0.39	U
Molybdenum	5.00	0.12	U	0.12	U	0.12	U	0.21	J
Nickel	1.00	0.15	U	0.15	U	0.15	U	0.15	U
Strontium	2.00	0.17	U	0.17	U	0.17	U	0.17	U
Titanium	2.00	0.29	U	0.29	U	0.29	U	0.29	U
Zinc	10.00	1.80	U	1.80	U	1.80	U	1.80	U

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Continuing Calibration Blanks

Project:	609118	Instrument:	7470
Units:	ug/L	Data File Name:	HG061006.PRN
Standard Source:		Standard ID:	

Analyte	RL	Ck6 CCB1 10/6/2006 1:27:45 PM		Ck6 CCB2 10/6/2006 2:01:13 PM		Ck6 CCB3 10/6/2006 2:35:43 PM		Ck6 CCB4 10/6/2006 3:07:46 PM	
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Mercury	0.20	0.03	U	0.03	U	0.03	U	0.03	U

GPL Laboratories, LLLP

Continuing Calibration Blanks

Project:	609118	Instrument:	7470
Units:	ug/L	Data File Name:	HG061006.PRN
Standard Source:		Standard ID:	

Analyte	RL	Ck6 CCB5 10/6/2006 3:41:11 PM							
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Mercury	0.20	0.03	U						

GPL Laboratories, LLLP

Interference Check Standards

Project:	609118	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:	H.P./AB.ST.	Standard ID:	

Analyte	RL	True		Initial Found				Final Found			
		Sol. A	Sol. B	ICSA 10/18/06 13:52	%R	ICSAB 10/18/06 13:58	%R	10/18/06 19:11	%R	ICSAB 10/18/06 19:17	%R
Aluminum	100		100000	101000	101	103000	103	101000	101	102000	102
Antimony	1		20	0.18		19.1	96	0.19		18.6	93
Barium	5		20	0.51		20.1	101	0.59		20.1	101
Cadmium	0.5		20	-0.099		16.9	84	-0.14		17.0	85
Chromium	2		20	-0.34		18.5	93	-0.22		18.8	94
Cobalt	1		20	-0.031		18.4	92	-0.033		18.6	93
Copper	2		20	0.48		17.4	87	0.41		17.4	87
Iron	50		250000	246000	98	246000	99	250000	100	249000	100
Lead	2		20	0.14		21.1	105	0.14		20.9	105
Magnesium	100		100000	97100	97	99300	99	96800	97	98400	98
Manganese	2		20	0.0		19.0	95	-0.0053		19.1	96
Molybdenum	5		2000	2020	101	2040	102	2020	101	2030	101
Nickel	1		20	0.29		18.1	90	0.43		18.4	92
Strontium	2		20	4.4		24.9	124	4.4		24.7	124
Titanium	2		2000	2090		2110	105	2090		2100	105
Zinc	10		20	1.7		17.6	88	2.2		17.8	89

GPL Laboratories, LLLP

Interference Check Standards

Project:	609118	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:	H.P. LAB. ST.	Standard ID:	

Analyte	RL	True		Initial Found				Final Found			
		Sol. A	Sol. B	ICSA 10/19/06 2:39	%R	ICSAB 10/19/06 2:45	%R		%R		%R
Aluminum	100		100000	103000	103	105000	105				
Antimony	1		20	0.20		18.9	94				
Barium	5		20	0.52		20.1	100				
Cadmium	0.5		20	-0.015		17.5	88				
Chromium	2		20	-0.14		18.9	94				
Cobalt	1		20	-0.055		18.6	93				
Copper	2		20	0.50		17.4	87				
Iron	50		250000	248000	99	250000	100				
Lead	2		20	0.13		20.6	103				
Magnesium	100		100000	98400	98	100000	100				
Manganese	2		20	-0.044		18.9	95				
Molybdenum	5		2000	2010	101	2040	102				
Nickel	1		20	0.13		17.9	90				
Strontium	2		20	4.3		24.8	124				
Titanium	2		2000	2090		2100	105				
Zinc	10		20	2.5		18.1	90				

GPL Laboratories, LLLP
Matrix Spike Recovery

Client ID:	NWO-017-3005 MS	Lab Sample ID:	SP609118-001-039-1/3
Project:	609118	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	Spiked Sample Result 10/18/06 23:53		Sample Result 10/18/06 23:47		Spike Added	%R
Aluminum	5009.67		5.50	U	5000.00	100
Antimony	45.39		0.13	U	50.00	91
Barium	496.97		10.03		500.00	97
Cadmium	47.93		0.17	U	50.00	96
Chromium	239.37		1.30	U	250.00	96
Cobalt	236.80		0.02	U	250.00	95
Copper	239.90		2.25		250.00	95
Iron	5068.67		36.87	J	5000.00	101
Lead	493.97		0.18	U	500.00	99
Magnesium	12233.33		7504.33		5000.00	95
Manganese	526.17		32.13		500.00	99
Molybdenum	242.03		0.45	J	250.00	97
Nickel	242.03		1.04		250.00	96
Strontium	718.90		197.37		500.00	104
Titanium	924.43		0.90	J	1000.00	92
Zinc	444.70		13.85		500.00	86

GPL Laboratories, LLLP

Matrix Spike Recovery

Client ID:	NWO-017-3005 MS	Lab Sample ID:	SP609118-001-039-1/3
Project:	609118	Instrument:	7470
Units:	ug/L	Data File Name:	HG061006.PRN
Standard Source:	AB.ST.	Standard ID:	

Analyte	Spiked Sample Result 10/06/06 15:15		Sample Result 10/06/06 15:13		Spike Added	%R
Mercury	1.02		0.03	U	1.00	102

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Matrix Spike Duplicate Recovery

Client ID:	NWO-017-3005 MSD	Lab Sample ID:	SD609118-001-039-1/3
Project:	609118	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	Spiked Sample Result 10/19/06 00:00		Sample Result 10/18/06 23:47		Spike Added	%R
Aluminum	5098.67		5.50	U	5000.00	102
Antimony	44.71		0.13	U	50.00	89
Barium	496.30		10.03		500.00	97
Cadmium	46.59		0.17	U	50.00	93
Chromium	239.70		1.30	U	250.00	96
Cobalt	238.70		0.02	U	250.00	95
Copper	238.93		2.25		250.00	95
Iron	5072.00		36.87	J	5000.00	101
Lead	483.33		0.18	U	500.00	97
Magnesium	12386.67		7504.33		5000.00	98
Manganese	526.37		32.13		500.00	99
Molybdenum	241.73		0.45	J	250.00	97
Nickel	239.47		1.04		250.00	95
Strontium	720.67		197.37		500.00	105
Titanium	929.30		0.90	J	1000.00	93
Zinc	433.97		13.85		500.00	84

GPL Laboratories, LLLP

Matrix Spike Duplicate Recovery

Client ID:	NWO-017-3005 MSD	Lab Sample ID:	SD609118-001-039-1/3
Project:	609118	Instrument:	7470
Units:	ug/L	Data File Name:	HG061006.PRN
Standard Source:	AB.ST.	Standard ID:	

Analyte	Spiked Sample Result 10/06/06 15:18		Sample Result 10/06/06 15:13		Spike Added	%R
Mercury	0.99		0.03	U	1.00	99

GPL Laboratories, LLLP

Duplicates RPD

Client ID:	NWO-017-3005 MSD	Lab Sample ID:	SD609118-001-039-1/3
Project:	609118	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv

Analyte	Matrix Spike ~~Original~~ Sample Results RA 10-19		Matrix Spike Duplicate Sample Results		RPD	Control Limit	Q
Aluminum	5009.67		5098.67		2	20	
Antimony	45.39		44.71		2	20	
Barium	496.97		496.30		0	20	
Cadmium	47.93		46.59		3	20	
Chromium	239.37		239.70		0	20	
Cobalt	236.80		238.70		1	20	
Copper	239.90		238.93		0	20	
Iron	5068.67		5072.00		0	20	
Lead	493.97		483.33		2	20	
Magnesium	12233.33		12386.67		1	20	
Manganese	526.17		526.37		0	20	
Molybdenum	242.03		241.73		0	20	
Mercury	1.02		0.99		3	20	
Nickel	242.03		239.47		1	20	
Strontium	718.90		720.67		0	20	
Titanium	924.43		929.30		1	20	
Zinc	444.70		433.97		2	20	

GPL Laboratories, LLLP

Laboratory Control Sample

Project:	609118	Lab Sample ID:	BKS93940
Units:	ug/L	Instrument:	301x
		Data File Name:	061018MS.csv
Standard Source:	H.I.	Standard ID:	

Analyte	Spiked Sample Result 10/18/06 23:41	Spike Added	%R
Aluminum	5095.67	5000.00	102
Antimony	46.04	50.00	92
Barium	488.83	500.00	98
Cadmium	48.97	50.00	98
Chromium	245.23	250.00	98
Cobalt	245.43	250.00	98
Copper	246.57	250.00	99
Iron	5096.33	5000.00	102
Lead	495.00	500.00	99
Magnesium	4695.00	5000.00	94
Manganese	497.57	500.00	100
Molybdenum	242.53	250.00	97
Nickel	250.83	250.00	100
Strontium	495.30	500.00	99
Titanium	950.30	1000.00	95
Zinc	458.40	500.00	92

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Laboratory Control Sample

Project:	609118	Lab Sample ID:	BKS94148
Units:	ug/L	Instrument:	7470
		Data File Name:	HG061006.PRN
Standard Source:	AB.ST.	Standard ID:	

Analyte	Spiked Sample Result 10/06/06 14:43	Spike Added	%R
Mercury	1.03	1.00	103

GPL Laboratories, LLLP

Serial Dilutions

Client ID:	NWO-017-3005	Lab Sample ID:	SE609118-001-039-1/3
Project:	609118	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv

Analyte	Sample Result 10/18/06 23:47		Serial Dilution Result 10/19/06 00:12		Percent Difference	Flag
Aluminum	5.50	U	27.50	U		
Antimony	0.13	U	1.06	J		
Barium	10.03		10.99	J	10	
Cadmium	0.17	U	0.85	U		
Chromium	1.30	U	6.50	U		
Cobalt	0.02	U	0.08	U		
Copper	2.25		2.51	J	11	
Iron	36.87	J	27.50	U	100	
Lead	0.18	U	0.90	U		
Magnesium	7504.33		7860.00		5	
Manganese	32.13		34.45		7	
Molybdenum	0.45	J	0.71	J	57	
Nickel	1.04		0.95	J	8	
Strontium	197.37		209.27		6	
Titanium	0.90	J	1.45	U	100	
Zinc	13.85		24.22	J	75	

GPL Laboratories, LLLP

Detection Limits

Project: 609118 Instrument: 301x

Units: ug/L

Analyte	Wavelength/Mass	Reporting Limit	Method Detection Limit	Date of MDL
Aluminum	27	100	5.5	04/19/06
Antimony	121	1.0	0.13	04/19/06
Barium	137	5.0	0.15	04/19/06
Cadmium	110	0.50	0.17	04/19/06
Chromium	52	2.0	1.3	04/19/06
Cobalt	59	1.0	0.016	04/19/06
Copper	65	2.0	0.43	04/19/06
Iron	56	50.0	5.5	04/19/06
Lead	208	2.0	0.18	04/19/06
Magnesium	25	100	4.8	04/19/06
Manganese	55	2.0	0.39	04/19/06
Molybdenum	95	5.0	0.12	04/19/06
Nickel	60	1.0	0.15	04/19/06
Strontium	88	2.0	0.17	04/19/06
Titanium	47	2.0	0.29	04/19/06
Zinc	66	10.0	1.8	04/19/06

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Detection Limits

Project: 609118 Instrument: 7470

Units: ug/L

Analyte	Wavelength/Mass	Reporting Limit	Method Detection Limit	Date of MDL
Mercury	253.7	0.20	0.034	08/02/06

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Linear Dynamic Ranges

Project: 609118 Instrument: 301x

Units: ug/L

Analyte	Wavelength/Mass	Linear Dynamic Range	Date of LDR
Aluminum	27	110000	~~04/19/06~~ 10/18/06
Antimony	121	550	04/19/06
Barium	137	5500	04/19/06
Cadmium	110	1100	04/19/06
Chromium	52	5500	04/19/06
Cobalt	59	5500	04/19/06
Copper	65	5500	04/19/06
Iron	56	275000	04/19/06
Lead	208	11000	04/19/06
Magnesium	25	110000	04/19/06
Manganese	55	5500	04/19/06
Molybdenum	95	5500	04/19/06
Nickel	60	4125	04/19/06
Strontium	88	6000	04/19/06
Titanium	47	5500	04/19/06
Zinc	66	2750	~~04/19/06~~

RA 10-19

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Preparation Log

Project: 609118 Instrument: 301x

Prep Method: Batch Number: 93940

Lab Sample ID	Client ID	Preparation Date	Initial Volume (ml)	Final Volume (ml)
BLK93940	BLK93940	09/25/2006	100.00	100
BKS93940	BKS93940	09/25/2006	100.00	100
S 609118-007-026-1/1	NWO-017-3001	09/25/2006	100.00	100
S 609118-001-039-1/3	NWO-017-3005	09/25/2006	100.00	100
SP609118-001-039-1/3	NWO-017-3005 MS	09/25/2006	100.00	100
S 609118-002-009-1/1	NWO-017-3006	09/25/2006	100.00	100
S 609118-003-010-1/1	NWO-017-3007	09/25/2006	100.00	100
S 609118-005-011-1/1	NWO-017-3011	09/25/2006	100.00	100
S 609118-006-012-1/1	NWO-017-3011 FD	09/25/2006	100.00	100
S 609118-004-025-1/1	NWO-017-6002	09/25/2006	100.00	100
SD609118-001-039-1/3	NWO-017-3005 MSD	09/25/2006	100.00	100

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Preparation Log

Project: 609118 Instrument: 7470

Prep Method: Batch Number: 94148

Lab Sample ID	Client ID	Preparation Date	Initial Volume (ml)	Final Volume (ml)
BLK94148	BLK94148	10/05/2006	100.00	100
BKS94148	BKS94148	10/05/2006	100.00	100
S 609118-001-039-1/3	NWO-017-3005	10/05/2006	100.00	100
SP609118-001-039-1/3	NWO-017-3005 MS	10/05/2006	100.00	100
S 609118-002-009-1/1	NWO-017-3006	10/05/2006	100.00	100
S 609118-003-010-1/1	NWO-017-3007	10/05/2006	100.00	100
S 609118-005-011-1/1	NWO-017-3011	10/05/2006	100.00	100
S 609118-006-012-1/1	NWO-017-3011 FD	10/05/2006	100.00	100
S 609118-004-025-1/1	NWO-017-6002	10/05/2006	100.00	100
SD609118-001-039-1/3	NWO-017-3005 MSD	10/05/2006	100.00	100

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Analysis Run Log

Project: 609118 Instrument: 301x

Data File Name: 061018MS.csv

Sample Name	Client ID	Analysis Date	Analysis Time
BLANK		10/18/06	12:39 PM
STD1		10/18/06	12:44 PM
STD2		10/18/06	12:50 PM
STD3		10/18/06	12:55 PM
STD4		10/18/06	1:00 PM
STD5		10/18/06	1:05 PM
STD6		10/18/06	1:10 PM
ICV		10/18/06	1:15 PM
ICV(Cd)		10/18/06	1:21 PM
ICB		10/18/06	1:28 PM
CCV1		10/18/06	1:34 PM
CCB1		10/18/06	1:40 PM
PQL		10/18/06	1:46 PM
ICSA		10/18/06	1:52 PM
ICSAB		10/18/06	1:58 PM
CCV2		10/18/06	2:17 PM
CCB2		10/18/06	2:23 PM
CCV3		10/18/06	3:36 PM
CCB3		10/18/06	3:43 PM
CCV4		10/18/06	4:50 PM
CCB4		10/18/06	4:56 PM
CCV5		10/18/06	6:04 PM
CCB5		10/18/06	6:10 PM
ICSA		10/18/06	7:11 PM
ICSAB		10/18/06	7:17 PM
CCV6		10/18/06	7:23 PM
CCB6		10/18/06	7:30 PM
CCV7		10/18/06	8:37 PM
CCB7		10/18/06	8:43 PM
CCV8		10/18/06	9:57 PM
CCB8		10/18/06	10:03 PM
CCV9		10/18/06	11:10 PM
CCB9		10/18/06	11:17 PM
BLK93940	BLK93940	10/18/06	11:35 PM
BKS93940	BKS93940	10/18/06	11:41 PM
S 609118-001-039-1/3	NWO-017-3005	10/18/06	11:47 PM
SP609118-001-039-1/3	NWO-017-3005 MS	10/18/06	11:53 PM
SD609118-001-039-1/3	NWO-017-3005 MSD	10/19/06	12:00 AM
SE609118-001-039-1/3	NWO-017-3005	10/19/06	12:12 AM

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Analysis Run Log

Project: 609118

Instrument: 301x

Data File Name: 061018MS.csv

Sample Name	Client ID	Analysis Date	Analysis Time
S 609118-002-009-1/1	NWO-017-3006	10/19/06	12:18 AM
S 609118-003-010-1/1	NWO-017-3007	10/19/06	12:24 AM
CCV10		10/19/06	12:30 AM
CCB10		10/19/06	12:36 AM
S 609118-004-025-1/1	NWO-017-6002	10/19/06	12:43 AM
S 609118-005-011-1/1	NWO-017-3011	10/19/06	12:49 AM
S 609118-006-012-1/1	NWO-017-3011 FD	10/19/06	12:55 AM
S 609118-007-026-1/1	NWO-017-3001	10/19/06	1:01 AM
CCV11		10/19/06	1:50 AM
CCB11		10/19/06	1:56 AM
ICSA		10/19/06	2:39 AM
ICSAB		10/19/06	2:45 AM
CCV12		10/19/06	2:57 AM
CCB12		10/19/06	3:04 AM

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Analysis Run Log

Project: 609118 Instrument: 7470

Data File Name: HG061006.PRN

Sample Name	Client ID	Analysis Date	Analysis Time
Std01Rep1		10/06/06	12:09 PM
Std01Rep1		10/06/06	12:18 PM
Std01Rep2		10/06/06	12:21 PM
Std01Rep3		10/06/06	12:23 PM
Std02Rep1		10/06/06	12:27 PM
Std02Rep2		10/06/06	12:30 PM
Std02Rep3		10/06/06	12:33 PM
Std03Rep1		10/06/06	12:35 PM
Std03Rep2		10/06/06	12:38 PM
Std03Rep3		10/06/06	12:41 PM
Std04Rep1		10/06/06	12:44 PM
Std04Rep2		10/06/06	12:47 PM
Std04Rep3		10/06/06	12:50 PM
Std05Rep1		10/06/06	12:53 PM
Std05Rep2		10/06/06	12:56 PM
Std05Rep3		10/06/06	1:00 PM
Std06Rep1		10/06/06	1:02 PM
Std06Rep2		10/06/06	1:05 PM
Std06Rep3		10/06/06	1:08 PM
Ck2 ICV		10/06/06	1:16 PM
Ck3 ICB		10/06/06	1:19 PM
Ck4 CRA		10/06/06	1:21 PM
Ck5 CCV1		10/06/06	1:24 PM
Ck6 CCB1		10/06/06	1:27 PM
Ck5 CCV2		10/06/06	1:58 PM
Ck6 CCB2		10/06/06	2:01 PM
Ck5 CCV3		10/06/06	2:32 PM
Ck6 CCB3		10/06/06	2:35 PM
BLK94148	BLK94148	10/06/06	2:41 PM
BKS94148	BKS94148	10/06/06	2:43 PM
Ck5 CCV4		10/06/06	3:05 PM
Ck6 CCB4		10/06/06	3:07 PM
S 609118-001-039-1/3	NWO-017-3005	10/06/06	3:13 PM
SP609118-001-039-1/3	NWO-017-3005 MS	10/06/06	3:15 PM
SD609118-001-039-1/3	NWO-017-3005 MSD	10/06/06	3:18 PM
S 609118-002-009-1/1	NWO-017-3006	10/06/06	3:20 PM
S 609118-003-010-1/1	NWO-017-3007	10/06/06	3:24 PM
S 609118-004-025-1/1	NWO-017-6002	10/06/06	3:27 PM
S 609118-005-011-1/1	NWO-017-3011	10/06/06	3:29 PM

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Analysis Run Log

Project: 609118

Instrument: 7470

Data File Name: HG061006.PRN

Sample Name	Client ID	Analysis Date	Analysis Time
S 609118-006-012-1/1	NWO-017-3011 FD	10/06/06	3:33 PM
Ck5 CCV5		10/06/06	3:38 PM
Ck6 CCB5		10/06/06	3:41 PM

ICPMS ANALYSIS LOG

Instrument ID: ICPMS (X0206) Inst. Method: 6020A Nebulizer:

Analytical Batch No: 061018MS

Workorder	Project/SDG #	Prep. Seq.	Batch #	Matrix s/w/e	Prep. Date	Method	Comments / Dilution
608162	EA	83504	081	W	9.1.06	6020A	10x ON 008
608171	↓	↓	↓	↓	↓	↓	20x ON 006
609106	SHAW	93999	156	S	9.27.06	↓	10x ON ALL
609109	↓	94054	160	↓	9.29.06	↓	↓
609116	↓	94078	163	↓	10.2.06	↓	↓
609117	↓	93973	150	W	9.26.06	↓	BKS93973: Sc FAILED ← RERUN
609118	↓	93940	147	↓	9.25.06	↓	↓
610031	PROXTRONICS	94258	184	↓	10.12.06	200.8	
		10.19.06					

Source Solution Numbers			
Stds.	Number	Stds.	Number
S0	129-102-04	ICV	38188
S1	37871	CCV	38406
S2	37872	ICSA	38169
S3	37873	ICSAB	38170
S4	38185	CRI/STD6	38187
S5	38186	Low Ck	38153
Ints	38408	LR	37926

Post Digestion Spikes

Spike 9.9 mls of sample with 0.1 mls of 38352

Samples:

608171-006-024-1/1 610031-001-001-1/1

609106-010-020-1/3

609109-003-020-1/3

609116-004-021-1/3

609117-004-004-1/3

609118-001-039-1/3

Analyst: [signature] Date: 10.19.06 Reviewed: RA Date: 10-19-06

ICP ANALYSIS LOG

GPL - Maryland Laboratory | ICPMS Analysis Log | Data File: 061018MS.csv

Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time
1	BLANK		10/18/2006	12:39	31	SE609109-010-020-1/1		10/18/2006	15:49	61	S 609109-010-010-1/1		10/18/2006	18:53	91	S 609117-002-002-1/1		10/18/2006	22:00	121	S 010031-001-001-1/1		10/18/2006	1:25
2	STD1		10/18/2006	12:44	32	S 609109-011-010-1/1		10/18/2006	15:55	62	S 609109-020-017-1/1		10/18/2006	18:59	92	S 609117-003-003-1/1		10/18/2006	22:15	122	D 010031-001-001-1/1		10/18/2006	1:32
3	STD2		10/18/2006	12:50	33	BLK04054		10/18/2006	16:01	63	ICSA		10/18/2006	19:11	93	S 609117-004-004-1/1		10/18/2006	22:21	123	SP010031-001-001-1/1		10/18/2006	1:38
4	STD3		10/18/2006	12:55	34	BLK04054		10/18/2006	16:07	64	ICSAB		10/18/2006	19:17	94	SP609117-004-004-1/1		10/18/2006	22:27	124	PS010031-001-001-1/1		10/18/2006	1:44
5	STD4		10/18/2006	13:00	35	S 609109-001-010-1/1		10/18/2006	16:13	65	CCV		10/18/2006	19:23	95	SD609117-004-004-1/1		10/18/2006	22:34	125	CCV		10/18/2006	1:50
6	STD5		10/18/2006	13:05	36	S 609109-002-010-1/1		10/18/2006	16:19	66	CCB		10/18/2006	19:30	96	PS609117-004-004-1/1		10/18/2006	22:40	126	CCB		10/18/2006	1:56
7	STD6		10/18/2006	13:10	37	S 609109-003-020-1/3		10/18/2006	16:26	67	BLK04076		10/18/2006	19:36	97	SE609117-004-004-1/1		10/18/2006	22:46	127	SE010031-001-001-1/1		10/18/2006	2:02
8	ICV		10/18/2006	13:16	38	SP609109-003-020-1/1		10/18/2006	16:32	68	BLK04076		10/18/2006	19:42	98	S 609117-005-007-1/1		10/18/2006	22:52	128	S 010031-002-005-1/1		10/18/2006	2:08
9	ICV(Cd)		10/18/2006	13:21	39	SD609109-003-020-1/1		10/18/2006	16:38	69	S 609110-001-008-1/1		10/18/2006	19:48	99	S 609117-006-006-1/1		10/18/2006	22:58	129	S 010031-003-002-1/1		10/18/2006	2:15
10	ICB		10/18/2006	13:28	40	PS609109-003-020-1/1		10/18/2006	16:44	70	S 609110-002-009-1/1		10/18/2006	19:54	100	S 609117-007-009-1/1		10/18/2006	23:04	130	S 010031-004-008-1/1		10/18/2006	2:21
11	CCV		10/18/2006	13:34	41	CCV		10/18/2006	16:50	71	S 609110-003-010-1/1		10/18/2006	20:00	101	CCV		10/18/2006	23:10	131	S 010031-005-008-1/1		10/18/2006	2:27
12	CCB		10/18/2006	13:40	42	CCB		10/18/2006	16:56	72	S 609110-004-021-1/3		10/18/2006	20:06	102	CCB		10/18/2006	23:17	132	ICSA		10/18/2006	2:30
13	FOL		10/18/2006	13:46	43	SE609109-003-020-1/1		10/18/2006	17:02	73	SP609110-004-021-1/1		10/18/2006	20:12	103	S 609117-008-010-1/1		10/18/2006	23:23	133	ICSAB		10/18/2006	2:46
14	ICSA		10/18/2006	13:52	44	S 609109-004-001-1/1		10/18/2006	17:09	74	SD609110-004-021-1/1		10/18/2006	20:19	104	BLK03040		10/18/2006	23:36	134	CCV		10/18/2006	2:57
15	ICSAB		10/18/2006	13:58	45	S 609109-005-002-1/1		10/18/2006	17:15	75	PS609110-004-021-1/1		10/18/2006	20:25	105	BLK03040		10/18/2006	23:41	135	CCB		10/18/2006	3:04
16	LR		10/18/2006	14:04	46	S 609109-006-003-1/1		10/18/2006	17:21	76	SE609110-004-021-1/1		10/18/2006	20:31	106	S 609110-001-030-1/3		10/18/2006	23:47					
17	CCV		10/18/2006	14:17	47	S 609109-007-004-1/1		10/18/2006	17:27	77	CCV		10/18/2006	20:37	107	SP609110-001-030-1/1		10/18/2006	23:53					
18	CCB		10/18/2006	14:23	48	S 609109-008-005-1/1		10/18/2006	17:33	78	CCB		10/18/2006	20:43	108	SD609110-001-030-1/1		10/18/2006	0:00					
19	S 608102-000-045-1/1		10/18/2006	14:29	49	S 609109-009-006-1/1		10/18/2006	17:39	79	S 609110-005-001-1/1		10/18/2006	20:49	109	PS609110-001-030-1/1		10/18/2006	0:06					
20	S 608171-000-024-1/1		20/10/2006	14:35	50	S 609109-010-007-1/1		10/18/2006	17:45	80	S 609110-006-002-1/1		10/18/2006	20:55	110	SE609110-001-030-1/1		10/18/2006	0:12					
21	SP608171-000-024-1/1		20/10/2006	14:41	51	S 609109-011-008-1/1		10/18/2006	17:51	81	S 609110-007-003-1/1		10/18/2006	21:02	111	S 609110-002-008-1/1		10/18/2006	0:18					
22	SD608171-000-024-1/1		20/10/2006	14:47	52	S 609109-012-009-1/1		10/18/2006	17:58	82	S 609110-008-004-1/1		10/18/2006	21:08	112	S 609110-003-010-1/1		10/18/2006	0:24					
23	PS608171-000-024-1/1		20/10/2006	14:53	53	CCV		10/18/2006	18:04	83	S 609110-009-005-1/1		10/18/2006	21:14	113	CCV		10/18/2006	0:30					
24	SE608171-000-024-1/1		20/10/2006	15:00	54	CCB		10/18/2006	18:10	84	S 609110-010-006-1/1		10/18/2006	21:20	114	CCB		10/18/2006	0:36					
25	S 609109-010-020-1/3		10/18/2006	15:06	55	S 609109-013-010-1/1		10/18/2006	18:16	85	S 609110-011-007-1/1		10/18/2006	21:26	115	S 609110-004-025-1/1		10/18/2006	0:43					
26	SP609109-010-020-1/1		10/18/2006	15:12	56	S 609109-014-011-1/1		10/18/2006	18:22	86	BLK03073		10/18/2006	21:36	116	S 609110-005-011-1/1		10/18/2006	0:49					
27	SD609109-010-020-1/1		10/18/2006	15:18	57	S 609109-015-012-1/1		10/18/2006	18:28	87	BLK03073		10/18/2006	21:45	117	S 609110-006-012-1/1		10/18/2006	0:55					
28	PS609109-010-020-1/1		10/18/2006	15:24	58	S 609109-016-013-1/1		10/18/2006	18:34	88	S 609117-001-001-1/1		10/18/2006	21:51	118	S 609110-007-020-1/1		10/18/2006	1:01					
29	CCV		10/18/2006	15:30	59	S 609109-017-014-1/1		10/18/2006	18:41	89	CCV		10/18/2006	21:57	119	BLK04258		10/18/2006	1:13					
30	CCB		10/18/2006	15:43	60	S 609109-018-015-1/1		10/18/2006	18:47	90	CCB		10/18/2006	22:03	120	BLK04258		10/18/2006	1:19					

Analyst Signature: [signature] Date: 10.19.06 Analyst Signature: Date:

Sample Dilutions:

609116-006-002-1/1 : 5x For Fe
609116-007-003-1/1 : 5x For Fe

IS okay
LR okay

USEPA - CLP

15 - IN

ICP-MS Internal Standards Relative Intensity Summary

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: DHJK

ICP-MS Instrument ID: SEDI Start Date: 10/18/2006 End Date: 10/19/2006

EPA Sample No.	Time	Internal Standards %RI For:									
		Bi (209)	Q	In (115)	Q	Li (6)	Q	Sc (45)	Q	Tb (159)	Q
BLANK	12:39	100		100		100		100		100	
STD1	12:44	102		99		106		101		100	
STD2	12:50	105		100		107		102		104	
STD3	12:55	105		98		104		99		101	
STD4	13:00	99		92		102		94		96	
STD5	13:05	96		92		103		95		96	
STD6	13:10	96		91		101		94		98	
ICV	13:15	99		91		102		92		97	
ICV(Cd)	13:21	93		86		99		88		92	
ICB	13:28	95		87		99		89		93	
CCV	13:34	92		84		94		85		91	
CCB	13:40	93		86		99		89		91	
PQL	13:46	95		85		97		87		91	
ICSA	13:52	74		73		79		72		80	
ICSAB	13:58	75		72		80		70		80	
LR	14:04	90		80		91		82		88	
CCV	14:17	90		79		96		82		88	
CCB	14:23	93		82		100		85		90	
S 608162-008-045-1/1	14:29	86		78		93		81		88	
S 608171-006-024-1/1	14:35	90		77		92		79		87	
SP608171-006-024-1/1	14:41	87		76		92		78		85	
SD608171-006-024-1/1	14:47	89		76		89		78		86	
PS608171-006-024-1/1	14:53	89		77		90		78		87	
SE608171-006-024-1/1	15:00	89		78		92		79		85	
S 609106-010-020-1/3	15:06	94		82		96		84		91	
SP609106-010-020-1/3	15:12	94		82		96		85		91	
SD609106-010-020-1/3	15:18	93		82		94		85		90	
PS609106-010-020-1/3	15:24	92		80		92		82		89	
CCV	15:36	87		77		89		79		85	
CCB	15:43	95		84		96		84		91	
SE609106-010-020-1/3	15:49	96		85		96		86		92	
S 609106-011-016-1/1	15:55	93		85		98		88		91	
BLK94054	16:01	97		88		101		90		95	
BKS94054	16:07	95		85		96		86		92	
S 609109-001-018-1/1	16:13	91		84		93		87		91	
S 609109-002-019-1/1	16:19	92		83		93		86		91	
S 609109-003-020-1/3	16:26	94		84		94		88		93	
SP609109-003-020-1/3	16:32	90		82		91		87		90	

USEPA - CLP

15 - IN

ICP-MS Internal Standards Relative Intensity Summary

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: DHJK

ICP-MS Instrument ID: SEDI Start Date: 10/18/2006 End Date: 10/19/2006

EPA Sample No.	Time	Internal Standards %RI For:									
		Bi (209)	Q	In (115)	Q	Li (6)	Q	Sc (45)	Q	Tb (159)	Q
SD609109-003-020-1/3	16:38	91		83		92		86		90	
PS609109-003-020-1/3	16:44	92		82		91		85		91	
CCV	16:50	87		78		90		81		85	
CCB	16:56	94		86		97		87		91	
SE609109-003-020-1/3	17:02	97		87		97		89		93	
S 609109-004-001-1/1	17:09	93		87		98		91		92	
S 609109-005-002-1/1	17:15	95		86		95		88		92	
S 609109-006-003-1/1	17:21	92		83		97		84		89	
S 609109-007-004-1/1	17:27	90		82		95		86		89	
S 609109-008-005-1/1	17:33	91		82		91		86		90	
S 609109-009-006-1/1	17:39	89		82		91		88		89	
S 609109-010-007-1/1	17:45	93		86		98		89		91	
S 609109-011-008-1/1	17:51	92		83		94		85		90	
S 609109-012-009-1/1	17:58	93		86		98		89		92	
CCV	18:04	86		77		88		79		85	
CCB	18:10	93		84		96		86		90	
S 609109-013-010-1/1	18:16	90		83		96		88		89	
S 609109-014-011-1/1	18:22	94		86		97		89		92	
S 609109-015-012-1/1	18:28	94		86		98		88		91	
S 609109-016-013-1/1	18:34	89		82		95		85		87	
S 609109-017-014-1/1	18:41	92		82		95		84		88	
S 609109-018-015-1/1	18:47	91		84		100		88		89	
S 609109-019-016-1/1	18:53	91		83		95		86		88	
S 609109-020-017-1/1	18:59	90		81		95		85		87	
ICSA	19:11	71		71		76		70		77	
ICSAB	19:17	69		70		79		70		76	
CCV	19:23	90		77		93		78		86	
CCB	19:30	91		80		97		81		87	
BLK94078	19:36	90		79		99		83		87	
BKS94078	19:42	94		80		96		82		88	
S 609116-001-008-1/1	19:48	90		80		98		83		88	
S 609116-002-009-1/1	19:54	90		79		97		83		89	
S 609116-003-010-1/1	20:00	94		83		97		85		91	
S 609116-004-021-1/3	20:06	90		81		98		85		89	
SP609116-004-021-1/3	20:12	92		81		95		83		89	
SD609116-004-021-1/3	20:19	91		81		98		85		89	
PS609116-004-021-1/3	20:25	89		79		93		82		87	
SE609116-004-021-1/3	20:31	93		81		95		83		88	

USEPA - CLP

15 - IN

ICP-MS Internal Standards Relative Intensity Summary

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: DHJK

ICP-MS Instrument ID: SEDI Start Date: 10/18/2006 End Date: 10/19/2006

EPA Sample No.	Time	Internal Standards %RI For:									
		Bi (209)	Q	In (115)	Q	Li (6)	Q	Sc (45)	Q	Tb (159)	Q
CCV	20:37	85		76		91		78		83	
CCB	20:43	91		81		96		82		88	
S 609116-005-001-1/1	20:49	93		88		102		93		92	
S 609116-006-002-1/1	20:55	93		88		98		91		92	
S 609116-007-003-1/1	21:02	88		88		101		92		90	
S 609116-008-004-1/1	21:08	88		80		97		83		87	
S 609116-009-005-1/1	21:14	86		79		98		84		85	
S 609116-010-006-1/1	21:20	87		78		96		80		86	
S 609116-011-007-1/1	21:26	84		78		97		82		84	
BLK93973	21:38	86		82		101		87		87	
BKS93973	21:45	86		78		94		82		86	
S 609117-001-001-1/1	21:51	84		82		100		87		89	
CCV	21:57	85		76		91		78		85	
CCB	22:03	87		80		97		83		85	
S 609117-002-002-1/1	22:09	86		83		97		86		91	
S 609117-003-003-1/1	22:15	83		82		101		88		89	
S 609117-004-004-1/3	22:21	85		81		100		85		90	
SP609117-004-004-1/3	22:27	85		83		98		86		90	
SD609117-004-004-1/3	22:34	88		84		95		85		92	
PS609117-004-004-1/3	22:40	85		82		100		87		90	
SE609117-004-004-1/3	22:46	92		83		99		84		90	
S 609117-005-007-1/1	22:52	85		84		98		87		91	
S 609117-006-008-1/1	22:58	87		81		95		83		91	
S 609117-007-009-1/1	23:04	85		84		98		88		92	
CCV	23:10	89		77		88		78		86	
CCB	23:17	89		80		94		82		86	
S 609117-008-010-1/1	23:23	88		83		94		85		93	
BLK93940	23:35	94		86		97		87		93	
BKS93940	23:41	88		80		91		82		87	
S 609118-001-039-1/3	23:47	91		85		93		87		93	
SP609118-001-039-1/3	23:53	86		80		89		83		88	
SD609118-001-039-1/3	0:00	86		78		88		80		86	
PS609118-001-039-1/3	0:06	87		81		89		84		88	
SE609118-001-039-1/3	0:12	92		80		93		82		88	
S 609118-002-009-1/1	0:18	86		78		89		81		87	
S 609118-003-010-1/1	0:24	94		83		95		86		90	
CCV	0:30	87		75		87		75		83	
CCB	0:36	88		76		89		77		83	

USEPA - CLP

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ICP-MS Internal Standards Relative Intensity Summary

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: DHJK

ICP-MS Instrument ID: SEDI Start Date: 10/18/2006 End Date: 10/19/2006

EPA Sample No.	Time	Internal Standards %RI For:									
		Bi (209)	Q	In (115)	Q	Li (6)	Q	Sc (45)	Q	Tb (159)	Q
S 609118-004-025-1/1	0:43	87		79		90		82		87	
S 609118-005-011-1/1	0:49	90		82		91		85		89	
S 609118-006-012-1/1	0:55	94		80		93		83		89	
S 609118-007-026-1/1	1:01	92		82		96		86		89	
BLK94258	1:13	89		79		89		81		85	
BKS94258	1:19	90		77		83		77		85	
S 610031-001-001-1/1	1:25	84		75		84		77		83	
D 610031-001-001-1/1	1:32	86		76		83		77		85	
SP610031-001-001-1/1	1:38	85		76		82		77		84	
PS610031-001-001-1/1	1:44	85		76		82		77		85	
CCV	1:50	87		74		85		76		82	
CCB	1:56	88		76		87		77		83	
SE610031-001-001-1/1	2:02	89		77		85		77		84	
S 610031-002-005-1/1	2:08	84		76		84		78		83	
S 610031-003-002-1/1	2:15	84		76		82		77		85	
S 610031-004-006-1/1	2:21	83		76		83		79		84	
S 610031-005-008-1/1	2:27	81		77		82		78		87	
ICSA	2:39	70		68		73		67		75	
ICSAB	2:45	68		66		77		67		73	
CCV	2:57	86		73		92		76		82	
CCB	3:04	89		75		92		76		83	

USEPA - CLP

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ICP-MS Internal Standards Relative Intensity Summary

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: DHJK

ICP-MS Instrument ID: SEDI Start Date: 10/18/2006 End Date: 10/19/2006

EPA Sample No.	Time	Internal Standards %RI For:									
		Y (89)	Q								
BLANK	12:39	100									
STD1	12:44	100									
STD2	12:50	101									
STD3	12:55	98									
STD4	13:00	93									
STD5	13:05	93									
STD6	13:10	92									
ICV	13:15	90									
ICV(Cd)	13:21	86									
ICB	13:28	87									
CCV	13:34	84									
CCB	13:40	86									
PQL	13:46	85									
ICSA	13:52	71									
ICSAB	13:58	70									
LR	14:04	80									
CCV	14:17	78									
CCB	14:23	82									
S 608162-008-045-1/1	14:29	78									
S 608171-006-024-1/1	14:35	77									
SP608171-006-024-1/1	14:41	76									
SD608171-006-024-1/1	14:47	76									
PS608171-006-024-1/1	14:53	76									
SE608171-006-024-1/1	15:00	77									
S 609106-010-020-1/3	15:06	85									
SP609106-010-020-1/3	15:12	86									
SD609106-010-020-1/3	15:18	86									
PS609106-010-020-1/3	15:24	83									
CCV	15:36	77									
CCB	15:43	83									
SE609106-010-020-1/3	15:49	85									
S 609106-011-016-1/1	15:55	88									
BLK94054	16:01	88									
BKS94054	16:07	84									
S 609109-001-018-1/1	16:13	90									
S 609109-002-019-1/1	16:19	91									
S 609109-003-020-1/3	16:26	93									
SP609109-003-020-1/3	16:32	92									

FORM XV - IN

USEPA - CLP

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ICP-MS Internal Standards Relative Intensity Summary

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: DHJK

ICP-MS Instrument ID: SEDI Start Date: 10/18/2006 End Date: 10/19/2006

EPA Sample No.	Time	Internal Standards %RI For:									
		Y (89)	Q								
SD609109-003-020-1/3	16:38	93									
PS609109-003-020-1/3	16:44	91									
CCV	16:50	79									
CCB	16:56	85									
SE609109-003-020-1/3	17:02	89									
S 609109-004-001-1/1	17:09	92									
S 609109-005-002-1/1	17:15	91									
S 609109-006-003-1/1	17:21	86									
S 609109-007-004-1/1	17:27	90									
S 609109-008-005-1/1	17:33	92									
S 609109-009-006-1/1	17:39	94									
S 609109-010-007-1/1	17:45	90									
S 609109-011-008-1/1	17:51	90									
S 609109-012-009-1/1	17:58	93									
CCV	18:04	77									
CCB	18:10	84									
S 609109-013-010-1/1	18:16	91									
S 609109-014-011-1/1	18:22	92									
S 609109-015-012-1/1	18:28	89									
S 609109-016-013-1/1	18:34	85									
S 609109-017-014-1/1	18:41	85									
S 609109-018-015-1/1	18:47	88									
S 609109-019-016-1/1	18:53	88									
S 609109-020-017-1/1	18:59	86									
ICSA	19:11	69									
ICSAB	19:17	68									
CCV	19:23	76									
CCB	19:30	78									
BLK94078	19:36	79									
BKS94078	19:42	78									
S 609116-001-008-1/1	19:48	84									
S 609116-002-009-1/1	19:54	85									
S 609116-003-010-1/1	20:00	88									
S 609116-004-021-1/3	20:06	87									
SP609116-004-021-1/3	20:12	86									
SD609116-004-021-1/3	20:19	88									
PS609116-004-021-1/3	20:25	84									
SE609116-004-021-1/3	20:31	81									

USEPA - CLP

15 - IN

ICP-MS Internal Standards Relative Intensity Summary

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: DHJK

ICP-MS Instrument ID: SEDI Start Date: 10/18/2006 End Date: 10/19/2006

EPA Sample No.	Time	Internal Standards %RI For:									
		Y (89)	Q								
CCV	20:37	76									
CCB	20:43	80									
S 609116-005-001-1/1	20:49	93									
S 609116-006-002-1/1	20:55	92									
S 609116-007-003-1/1	21:02	92									
S 609116-008-004-1/1	21:08	85									
S 609116-009-005-1/1	21:14	84									
S 609116-010-006-1/1	21:20	80									
S 609116-011-007-1/1	21:26	81									
BLK93973	21:38	83									
BKS93973	21:45	78									
S 609117-001-001-1/1	21:51	83									
CCV	21:57	75									
CCB	22:03	80									
S 609117-002-002-1/1	22:09	83									
S 609117-003-003-1/1	22:15	84									
S 609117-004-004-1/3	22:21	82									
SP609117-004-004-1/3	22:27	83									
SD609117-004-004-1/3	22:34	83									
PS609117-004-004-1/3	22:40	83									
SE609117-004-004-1/3	22:46	82									
S 609117-005-007-1/1	22:52	85									
S 609117-006-008-1/1	22:58	82									
S 609117-007-009-1/1	23:04	85									
CCV	23:10	77									
CCB	23:17	79									
S 609117-008-010-1/1	23:23	84									
BLK93940	23:35	85									
BKS93940	23:41	80									
S 609118-001-039-1/3	23:47	85									
SP609118-001-039-1/3	23:53	80									
SD609118-001-039-1/3	0:00	78									
PS609118-001-039-1/3	0:06	81									
SE609118-001-039-1/3	0:12	80									
S 609118-002-009-1/1	0:18	79									
S 609118-003-010-1/1	0:24	83									
CCV	0:30	74									
CCB	0:36	75									

USEPA - CLP

15 - IN

ICP-MS Internal Standards Relative Intensity Summary

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: DHJK

ICP-MS Instrument ID: SEDI Start Date: 10/18/2006 End Date: 10/19/2006

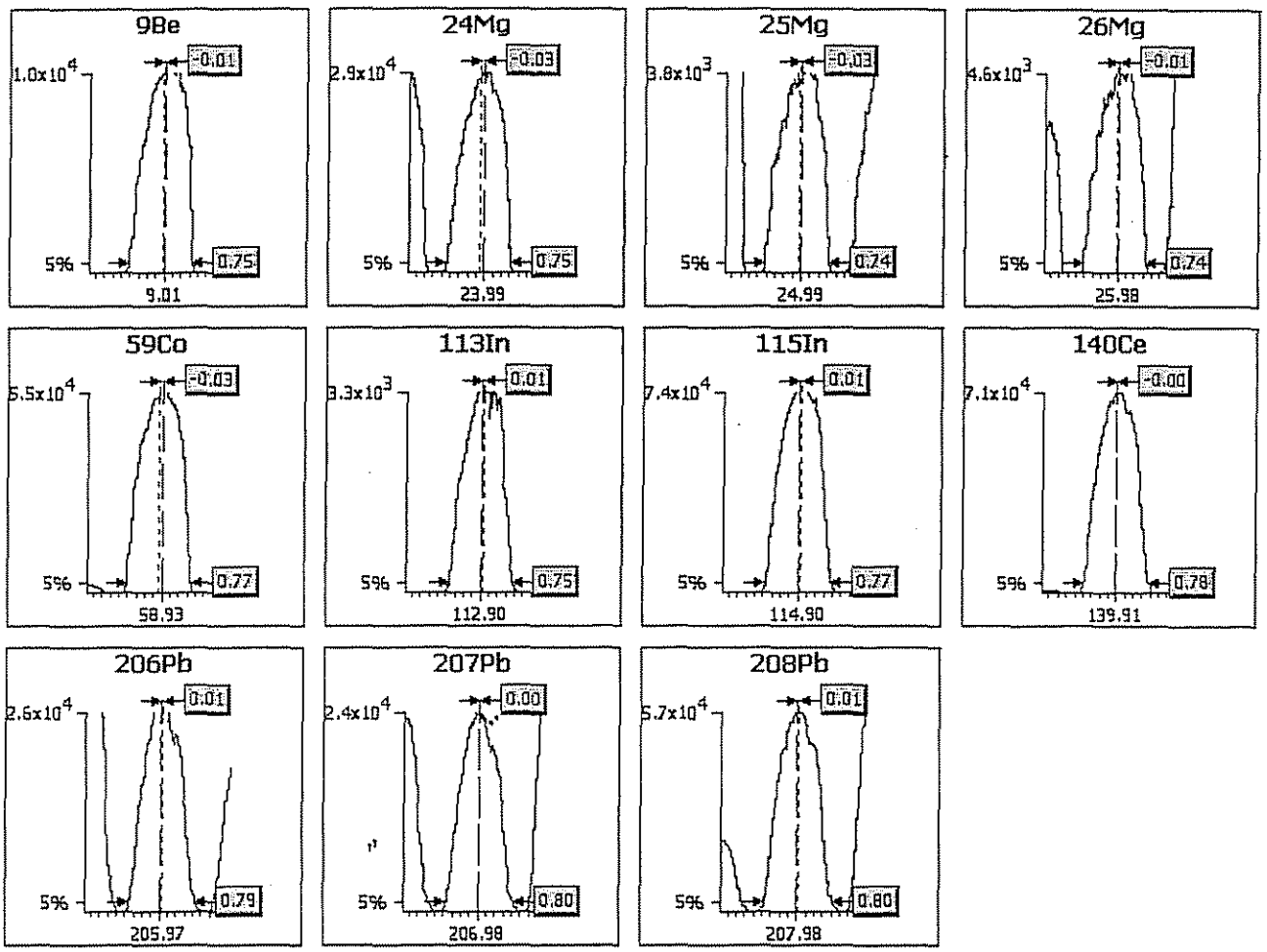
EPA Sample No.	Time	Internal Standards %RI For:									
		Y (89)	Q								
S 609118-004-025-1/1	0:43	79									
S 609118-005-011-1/1	0:49	82									
S 609118-006-012-1/1	0:55	81									
S 609118-007-026-1/1	1:01	83									
BLK94258	1:13	79									
BKS94258	1:19	76									
S 610031-001-001-1/1	1:25	76									
D 610031-001-001-1/1	1:32	76									
SP610031-001-001-1/1	1:38	76									
PS610031-001-001-1/1	1:44	77									
CCV	1:50	74									
CCB	1:56	76									
SE610031-001-001-1/1	2:02	76									
S 610031-002-005-1/1	2:08	76									
S 610031-003-002-1/1	2:15	77									
S 610031-004-006-1/1	2:21	80									
S 610031-005-008-1/1	2:27	78									
ICSA	2:39	66									
ICSAB	2:45	65									
CCV	2:57	73									
CCB	3:04	74									

Performance Report

Sample details
Acquired at : 10/18/2006 11:43:04 AM
Report name : EPA 6020A 2.1A [05/30/2006 01:04:54 PM]

Mass Calibration verification

Acquisition parameters
Sweeps : 25
Dwell : 2.0 mSecs
Point spacing : 0.01 amu
Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error

9Be	0.90	0.45	0.10	0.75	-0.01
24Mg	0.90	0.45	0.10	0.75	-0.03
25Mg	0.90	0.45	0.10	0.74	-0.03
26Mg	0.90	0.45	0.10	0.74	-0.01
59Co	0.90	0.45	0.10	0.77	-0.03
113In	0.90	0.45	0.10	0.75	0.01
115In	0.90	0.45	0.10	0.77	0.01
140Ce	0.90	0.45	0.10	0.78	-0.00
206Pb	0.90	0.45	0.10	0.79	0.01
207Pb	0.90	0.45	0.10	0.80	0.00
208Pb	0.90	0.45	0.10	0.80	0.01

Sample details
Acquired at : 10/18/2006 11:43:04 AM
Report name : EPA 6020A 2.1A [05/30/2006 01:04:54 PM]

Tune conditions

Major	
Extraction	-157
Lens 1	0.3
Focus	25.3
D1	-40.8
Pole Bias	5.0
Hexapole Bias	-3.0
Nebuliser	0.94
Sampling Depth	130

Minor	
Lens 2	-51.8
Lens 3	-134.1
Forward power	1404
Horizontal	110
Vertical	360
D2	-160
DA	-80.0
Cool	13.0
Auxiliary	0.90

Global	
Standard resolution	125
High resolution	125
Analogue Detector	2304
PC Detector	3804

Add. Gases

Sensitivity and stability results

Acquisition parameters
Sweeps : 180

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	59Co	113In	115In	140Ce
Dwell (mSecs)		100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Limits	%RSD	-	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
	Countrate	-	>4000	>5000	>1000	>1000	>10000	>1000	>50000	>50000
1	11:44:36 AM	0.056	11530.665	30005.612	4004.525	4620.662	57861.735	3458.393	78332.334	72415.655
2	11:45:47 AM	0.167	11641.233	30528.548	4010.080	4592.883	57814.486	3448.948	77836.392	72327.814
3	11:46:57 AM	0.111	11605.673	30696.377	4056.193	4789.004	58098.539	3425.614	78654.810	72795.375
4	11:48:08 AM	0.111	11823.477	30705.269	4049.526	4676.776	58105.765	3387.280	78283.407	72990.517
5	11:49:19 AM	0.111	11463.435	30793.074	4135.085	4761.780	58413.167	3420.614	78772.680	71951.987
x		0.111	11612.897	30545.776	4051.082	4688.221	58058.738	3428.170	78375.925	72496.270
σ		0.04	136.29	316.76	52.28	85.66	238.69	27.75	366.32	407.70
%RSD		35.355	1.174	1.037	1.291	1.827	0.411	0.810	0.467	0.562

Run	Time	156Ce O	206Pb	207Pb	208Pb	220Bkg
Dwell (mSecs)		30.0	10.0	10.0	10.0	100.0
Limits	%RSD	-	2.0%	2.0%	2.0%	-
	Countrate	-	>10000	>10000	>25000	<2
1	11:44:36 AM	727.595	26777.474	23127.674	57436.490	0.056
2	11:45:47 AM	699.077	26484.062	23187.688	57365.338	0.111
3	11:46:57 AM	751.114	26816.929	22989.865	57606.588	0.000
4	11:48:08 AM	723.706	26503.512	23080.997	56803.351	0.000
5	11:49:19 AM	711.854	26107.852	22803.155	56647.707	0.056
x		722.669	26537.966	23037.876	57171.895	0.044
σ		19.42	284.73	149.80	420.41	0.05
%RSD		2.687	1.073	0.650	0.735	104.583

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0200
1	11:44:36 AM	0.010

2	11:45:47 AM	0.010
3	11:46:57 AM	0.010
4	11:48:08 AM	0.010
5	11:49:19 AM	0.010
x		0.0100
σ		0.00
%RSD		2.3996

Result : The performance report passed.

Dilution Corrected Concentrations

BLANK 10/18/2006 12:39:49 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.000%	0.000	0.000	-0.000	-0.000	-0.000	0.000	-0.000	100.000%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	0.000	0.000	0.000	-0.000	-0.000	0.000	0.000	0.000

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	0.000	0.000	0.000	-0.000	100.000%	0.000	-0.000	0.000

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	-0.000	100.000%	0.000	0.000	-0.000	-0.000	0.000	100.000%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.000	-0.000	-0.000	100.000%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.887%	5.174	-0.100	-1.809	-1.917	↑4995.000	0.246	30.280	100.984%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.630	49.590	49.340	-12900.000	49.200	↑5046.000	49.460	50.870	50.640

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.620	51.260	-0.099	53.090	50.720	99.563%	50.440	50.820	-1.552

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.040	50.350	98.556%	51.300	50.890	50.930	50.330	0.036	100.442%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		50.390	50.900	49.880	102.459%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		106.891%	10.280	0.093	-1.793	-1.968	TM 10000.000	0.093	62.420	101.707%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.650	95.960	96.080	-15210.000	96.360	TM 9977.000	97.280	100.700	100.600

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.200	100.700	-0.077	100.400	99.230	101.138%	99.920	M 99.590	-3.105

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 99.480	98.710	100.330%	101.300	100.000	99.980	100.100	0.105	103.620%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		100.200	100.700	98.340	105.240%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.835%	M 49.930	7.412	-1.319	-1.631	8.697	3.266	126.200	99.148%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1000.000	TM 1000.000	TM 1000.000	-31320.000	TM 1000.000	TM 50870.000	TM 1000.000	M 749.900	M 999.900

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 499.800	M 199.300	-0.111	M 199.800	M 200.200	98.438%	M 1000.000	M 101.300	-7.273

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 101.000	M 200.600	97.858%	M 999.800	M 499.900	M 499.900	M 1000.000	0.939	101.028%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		M 199.800	M 199.400	TM 2000.000	104.554%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		102.003%	-0.012	τ969.800	τ970.400	975.400	-0.721	τ976.000	1028.000	94.468%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.009	0.590	-0.062	-14130.000	0.025	1.341	-0.000	0.031	0.033

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.203	0.608	-0.150	0.362	0.033	92.967%	0.884	0.001	0.037

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.001	-0.009	92.268%	0.371	0.083	0.085	-0.009	0.000	95.908%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.640	0.648	0.038	98.525%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.382%	-0.012	τ10120.000	τ10050.000	τ10060.000	-2.195	τ10130.000	10290.000	94.779%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.050	-0.056	-0.155	-16380.000	0.256	0.066	-0.008	0.059	0.014

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.429	0.349	-0.058	0.127	0.151	92.964%	0.222	0.006	0.058

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.006	-0.019	91.852%	0.210	0.011	0.014	0.034	-0.001	96.298%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.235	0.220	0.115	95.939%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.255%	-0.010	TM 19940.000	TM 19980.000	TM 19970.000	-2.090	TM 19940.000	19860.000	93.547%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.046	0.547	-0.213	-15980.000	0.497	0.270	-0.013	0.097	0.094
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.706	-0.084	0.047	0.010	0.260	92.439%	0.120	0.009	0.081
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.004	-0.015	91.445%	0.127	-0.001	0.010	0.089	0.001	98.130%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.109	0.114	0.222	95.898%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.918%	4.305	τ4834.000	τ4901.000	4777.000	458.800	τ4844.000	4992.000	91.852%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		40.120	39.500	38.140	-1129.000	40.670	τ517.800	40.410	41.120	40.580
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		42.080	40.000	-0.001	40.610	40.780	89.880%	41.040	40.430	-0.514
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		40.690	4.428	90.672%	41.310	41.540	41.280	41.560	0.042	96.786%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		41.580	42.140	41.250	98.653%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.793%	-0.006	-3.156	0.077	0.019	-2.307	-1.327	0.059	88.407%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.053	-0.115	-0.066	6968.000	-0.011	-2.869	-0.002	0.002	0.015
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.136	-0.464	0.021	-0.310	0.002	86.099%	0.062	0.002	0.010
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.000	3.966	86.394%	0.081	0.010	0.006	-0.029	-0.001	91.681%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.168	0.162	-0.001	93.274%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.313%	-0.011	-3.468	0.004	-0.099	-2.382	-2.618	-0.621	89.254%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.031	0.100	-0.056	1976.000	-0.012	-2.610	-0.002	-0.015	-0.010
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.293	-0.345	0.006	-0.236	0.002	87.017%	0.032	-0.000	0.040
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.001	-0.012	87.199%	0.050	-0.007	0.014	0.043	-0.002	92.774%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.057	0.068	-0.003	94.698%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		93.775%	5.072	τ9653.000	τ9637.000	τ9592.000	τ4981.000	τ9557.000	9850.000	84.640%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.660	48.360	47.910	-14130.000	48.930	τ5014.000	48.670	49.170	49.410
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.340	48.420	-0.078	50.040	49.550	83.824%	50.220	49.010	-1.654
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.120	49.140	83.614%	50.240	49.960	49.890	48.670	0.036	90.559%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		49.890	50.450	49.680	91.905%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.119%	-0.009	-3.237	0.001	-0.193	-2.413	-2.042	-1.234	88.740%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.000	0.280	-0.142	-1951.000	-0.016	-2.637	-0.001	0.010	-0.002
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.169	-0.163	-0.064	-0.244	0.002	85.761%	0.053	0.000	-0.001
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.000	0.004	86.043%	0.040	-0.002	0.001	-0.031	-0.002	90.539%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.181	0.172	-0.000	92.504%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.485%	0.199	T 938.500	91.310	94.680	90.490	T 940.100	987.800	87.187%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.817	10.380	1.605	-10770.000	2.013	45.830	1.001	1.009	2.102

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.090	4.904	-0.105	4.568	2.027	84.850%	4.975	0.321	0.128

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.316	0.458	85.429%	5.076	1.117	1.075	5.045	0.002	91.302%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		2.003	2.042	1.952	94.579%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		79.214%	-0.007	TM 250900.000	TM 96910.000	TM 97140.000	TM 101000.000	TM 99570.000	TM 323900.000	72.011%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2086.000	-0.367	-0.343	-39480.000	0.000	TM 246100.000	-0.030	0.286	0.485

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.659	0.607	0.179	0.549	4.400	71.249%	M 2025.000	0.087	1.647

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.081	-0.099	73.348%	0.203	0.185	0.203	0.505	0.031	79.889%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.134	0.140	0.141	73.543%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		79.713%	16.640	TM 256200.000	TM 99180.000	TM 99300.000	TM 103400.000	TM 99420.000	TM 324900.000	70.047%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2107.000	19.120	18.520	-42890.000	19.040	TM 246300.000	18.420	18.060	17.420

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		17.600	17.890	0.130	17.230	24.890	69.717%	M 2036.000	17.190	1.073

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		16.950	16.860	72.260%	20.470	19.120	18.980	20.100	0.057	80.217%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		21.430	21.910	21.090	74.718%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		91.078%	M 234.800	11.370	1.059	0.448	5.088	0.895	3094.000	81.982%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 4696.000	TM 4825.000	TM 4962.000	T 10790.000	TM 4983.000	TM 248700.000	TM 4926.000	TM 3580.000	TM 4729.000

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2380.000	M 936.800	-0.523	M 931.700	TM 6111.000	79.871%	TM 5390.000	M 488.300	-18.250

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 490.700	M 955.400	79.655%	TM 4711.000	488.000	483.400	TM 5005.000	4.279	87.982%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		TM 1008.000	TM 1021.000	TM 9830.000	90.277%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.893%	4.741	τ9586.000	τ9582.000	τ9563.000	τ4970.000	τ9297.000	9815.000	81.599%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.750	48.730	49.010	-28310.000	48.840	τ4886.000	48.740	49.390	49.540
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.840	49.100	-0.230	50.940	49.600	78.474%	50.940	50.010	-1.680
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.120	49.810	78.936%	50.610	49.930	49.630	48.260	0.059	87.768%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		50.540	51.290	49.680	90.350%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.828%	-0.009	-1.219	0.120	0.129	-2.272	-1.129	-1.303	85.312%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.091	0.428	-0.024	-11950.000	-0.006	-2.277	0.000	0.005	0.009
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.075	-0.119	-0.098	-0.295	0.002	82.273%	0.397	0.001	0.026
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.001	-0.006	82.404%	0.372	-0.005	0.006	-0.011	0.003	89.718%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.367	0.378	0.004	92.548%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		93.089%	-0.013	TM 135500.000	108.500	109.500	4.118	T 15970.000	8197.000	81.241%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.182	1.172	-0.417	-33010.000	2.381	30.920	-0.006	0.088	0.114
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.559	-0.001	-0.130	-0.190	71.480	78.426%	3.265	0.005	0.097
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.001	-0.023	77.872%	0.304	-0.004	-0.000	1.635	0.015	88.467%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.171	0.186	0.037	85.824%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.236%	0.011	T 5121.000	T 1501.000	1484.000	292.900	TM 22730.000	4809.000	78.716%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		9.647	3.253	2.497	-33650.000	147.700	TM 13560.000	1.912	6.427	65.590
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		39.610	2.616	-0.189	0.540	8.125	76.839%	1.722	0.024	0.038
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.018	0.615	77.091%	0.584	0.142	0.144	7.212	0.140	87.026%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.124	0.140	12.230	90.274%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		91.860%	1.258	T 5429.000	T 1761.000	1748.000	T 596.600	TM 22940.000	5051.000	78.222%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		56.520	14.930	14.830	-31080.000	171.700	TM 13210.000	14.410	19.080	76.210
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		64.250	4.815	-0.169	2.857	33.510	76.020%	14.110	2.642	-0.041
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2.544	3.087	75.971%	13.390	2.537	2.562	32.400	0.167	85.281%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		2.599	2.672	37.130	87.406%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		89.160%	1.382	T 5834.000	T 1921.000	1891.000	T 709.900	TM 24830.000	5545.000	77.614%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		62.340	16.600	16.270	-34030.000	190.900	TM 15770.000	15.580	20.870	88.400
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		71.370	5.927	-0.216	3.508	36.060	75.949%	15.560	2.787	0.019
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2.764	3.423	76.403%	14.680	2.806	2.851	35.090	0.245	86.239%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		2.884	2.931	41.670	88.596%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		89.586%	10.040	T 10050.000	T 6422.000	T 6410.000	T 1354.000	TM 27300.000	9750.000	78.069%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		30.620	22.860	22.680	-24410.000	224.400	TM 15430.000	31.840	46.610	94.370

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		119.100	76.980	-0.180	68.810	28.330	76.286%	32.400	41.120	-5.600

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		40.890	23.880	76.636%	105.900	75.760	78.760	27.040	0.167	86.819%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		104.000	105.100	92.960	89.024%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.161%	-0.005	T 1039.000	303.900	313.400	58.970	T 4643.000	986.100	79.413%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.946	1.105	0.338	-22440.000	30.900	T 2784.000	0.384	1.397	13.610

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		9.153	0.444	-0.144	-0.075	1.665	76.963%	0.367	0.007	0.106

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.004	0.069	77.950%	0.216	0.203	0.215	1.431	0.024	85.284%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.088	0.108	2.461	89.349%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.515%	0.230	40.490	τ1631.000	1638.000	τ4074.000	τ1154.000	2785.000	84.033%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		65.910	13.620	6.009	-11440.000	130.400	τ6885.000	2.256	5.448	8.648
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		31.870	2.429	-0.053	0.032	12.120	85.169%	0.442	0.053	0.028
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.050	0.189	81.693%	4.516	0.197	0.206	93.770	2.105	90.878%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.116	0.129	36.880	94.154%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.815%	5.339	τ1053.000	τ2963.000	2918.000	τ8544.000	τ2834.000	3961.000	84.716%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		293.700	71.420	58.700	-5714.000	232.500	τ8896.000	53.080	57.280	61.070
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		130.600	12.690	-0.028	9.451	115.000	86.290%	48.420	10.460	-0.723
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.400	10.310	82.435%	55.760	7.682	7.758	218.500	2.287	90.922%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		10.480	10.720	142.800	93.589%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		93.937%	5.096	τ1021.000	τ2939.000	2881.000	τ8263.000	τ2729.000	3917.000	85.167%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		287.000	68.850	56.560	-4761.000	227.800	τ8714.000	50.170	54.620	56.830
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		126.600	12.120	-0.037	9.265	109.100	86.463%	46.270	9.846	-0.543
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		9.808	10.000	82.393%	52.450	7.224	7.464	209.500	2.330	90.386%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		10.050	10.200	137.600	92.666%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		91.966%	8.803	τ4324.000	τ5881.000	τ5864.000	τ4935.000	τ5332.000	7138.000	81.733%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		82.200	29.490	22.550	-3171.000	194.100	τ8491.000	27.940	40.770	34.650
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.650	65.720	-0.050	55.160	29.450	83.102%	27.490	36.200	-4.708
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		35.890	20.650	79.817%	97.840	66.120	68.630	108.900	2.107	89.430%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		91.330	92.050	106.900	91.840%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		89.007%	4.965	τ9767.000	τ9764.000	τ9714.000	τ5057.000	τ9538.000	9914.000	78.835%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.250	48.880	48.700	-24940.000	49.440	τ5007.000	49.160	49.720	49.600
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.090	49.580	-0.210	50.660	50.100	76.592%	50.300	49.210	-1.562
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.250	49.900	77.267%	50.320	49.740	49.770	48.520	0.033	85.419%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		49.780	50.250	49.460	87.344%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.003%	-0.018	-2.127	0.046	-0.010	-2.351	-2.160	-1.160	83.941%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.083	0.267	-0.198	-5214.000	-0.013	-2.141	-0.000	0.005	-0.009
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.018	-0.168	-0.079	-0.097	-0.001	82.729%	0.052	0.002	0.071
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	-0.014	84.027%	0.076	0.024	0.045	0.037	-0.002	91.176%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.179	0.189	0.002	94.838%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.712%	0.031	5.890	316.900	323.200	τ792.100	225.500	547.800	85.896%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		12.740	3.045	1.224	-214.100	25.880	τ1359.000	0.440	1.146	1.743
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8.104	0.420	-0.046	0.034	2.479	85.103%	0.102	0.008	0.057
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.011	0.022	85.377%	0.960	0.070	0.056	18.590	0.403	92.000%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.090	0.090	7.157	96.427%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.617%	0.131	30.520	τ953.600	960.100	τ2119.000	650.300	2352.000	87.769%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		45.700	7.963	3.800	-3842.000	86.860	τ5408.000	1.461	3.664	4.810
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		18.380	2.111	-0.001	0.027	10.360	87.865%	0.526	0.023	0.062
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.023	0.069	84.731%	2.703	0.151	0.154	66.790	1.581	91.293%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.081	0.096	20.680	93.159%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.844%	-0.014	-2.672	0.037	0.094	-0.534	-0.079	1.535	90.422%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.066	0.185	0.275	2991.000	0.007	1.050	0.000	0.014	-0.001
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.206	0.131	0.009	-0.021	0.031	88.340%	0.019	0.000	0.126
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	-0.035	88.445%	2.828	0.002	0.013	0.120	-0.001	94.551%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.027	0.029	0.003	96.897%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.049%	4.937	τ976.700	τ983.700	995.400	τ1022.000	τ973.400	1107.000	85.888%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		196.400	49.160	51.220	15130.000	101.900	τ1035.000	51.290	52.570	52.130
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.300	9.847	0.015	8.952	103.300	83.754%	49.450	10.510	-0.526
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.340	10.330	84.949%	53.530	9.673	9.892	101.700	0.105	91.804%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		10.360	10.490	102.100	95.341%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		93.233%	0.697	151.000	T 5639.000	T 5637.000	TM 13810.000	T 3317.000	10420.000	86.564%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.850	36.670	17.520	-2328.000	236.900	TM 18240.000	5.762	15.840	20.580

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		130.600	4.888	-0.025	0.302	47.590	90.313%	0.783	0.098	-0.028

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.102	0.487	83.957%	2.676	0.260	0.277	229.200	3.720	90.611%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.262	0.273	78.970	91.181%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.728%	0.917	T 789.800	T 8206.000	T 8184.000	TM 21640.000	T 5035.000	11820.000	85.880%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		117.100	54.800	24.560	519.600	265.600	TM 20920.000	7.584	20.870	16.930

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		79.820	5.879	-0.027	0.951	49.540	91.233%	0.824	0.093	-0.090

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.087	0.403	83.360%	2.851	0.244	0.247	264.800	5.036	90.903%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.301	0.333	18.830	92.049%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		94.216%	1.064	171.000	T 8731.000	T 8736.000	TM 23600.000	T 5584.000	8646.000	87.731%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		119.300	57.130	26.700	492.600	305.400	TM 23580.000	8.745	23.860	21.530
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		93.600	5.648	-0.015	0.472	42.520	93.223%	0.812	0.137	-0.056
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.113	0.507	84.209%	3.193	0.255	0.278	265.500	5.404	92.682%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.316	0.338	25.130	93.989%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		90.981%	6.307	T 1218.000	T 10840.000	T 10870.000	TM 35170.000	T 8657.000	9935.000	86.896%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		350.300	129.200	81.230	2847.000	T 413.900	TM 27340.000	56.160	73.140	69.610
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		189.300	14.860	0.032	9.096	140.800	91.984%	43.540	9.765	-0.643
Run	Time10	9Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		9.951	10.210	82.090%	51.880	4.312	4.467	424.700	5.925	89.511%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		10.460	10.730	127.300	89.503%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.006%	6.492	T 1249.000	T 11430.000	T 11440.000	TM 36840.000	T 9043.000	10440.000	86.334%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		362.600	136.100	83.630	1553.000	T 438.100	TM 28630.000	57.530	75.160	70.270
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		194.700	15.260	0.030	9.348	144.000	92.623%	43.790	9.928	-0.850
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		9.852	10.480	82.818%	53.290	4.315	4.527	437.300	6.357	90.068%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		10.720	10.990	130.500	91.281%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		90.577%	4.795	T 2134.000	T 10760.000	T 10740.000	TM 24620.000	T 7757.000	10740.000	84.834%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		129.100	65.500	33.620	-1740.000	340.200	TM 24900.000	19.780	38.870	32.670
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		122.600	33.800	-0.068	24.040	50.550	91.341%	11.760	16.160	-2.251
Run	Time10	9Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		15.840	8.993	81.824%	43.420	31.560	33.000	280.300	5.502	90.765%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		42.560	43.240	57.240	91.697%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		90.266%	5.092	τ9738.000	τ9738.000	τ9747.000	τ5043.000	τ9660.000	9868.000	80.756%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.150	48.740	48.070	-19910.000	48.790	τ5054.000	49.360	50.040	50.260

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.220	49.040	-0.177	48.310	49.780	79.021%	50.060	49.750	-1.338

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.530	49.360	78.482%	50.800	49.830	49.390	48.330	0.037	85.476%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		49.770	50.380	49.530	86.942%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.611%	-0.016	-2.725	0.089	-0.040	-2.250	-1.772	-1.105	86.527%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.106	-0.386	-0.097	4806.000	-0.003	-1.757	0.000	0.000	-0.003

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.162	0.008	-0.046	-0.515	0.010	85.314%	0.053	-0.001	0.050

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.001	-0.015	85.870%	0.067	0.004	0.011	-0.034	-0.002	91.337%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.159	0.173	0.003	94.490%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.644%	0.187	30.660	τ1678.000	1671.000	τ4519.000	τ1063.000	1702.000	88.507%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		23.250	11.070	5.806	9395.000	61.920	τ4610.000	1.750	4.812	4.485
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		20.960	1.034	-0.002	-0.217	8.874	88.889%	0.195	0.027	0.049
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.025	0.077	86.899%	0.653	0.052	0.055	51.410	1.030	93.388%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.147	0.140	4.783	96.515%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.475%	0.316	59.550	τ2414.000	2369.000	τ5712.000	τ1726.000	3906.000	90.678%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		87.250	17.340	9.211	2626.000	195.600	τM 11260.000	3.761	8.440	10.370
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		44.360	3.541	0.053	0.528	19.140	91.803%	0.700	0.042	-0.004
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.049	0.278	86.661%	2.457	0.122	0.122	171.200	2.222	91.609%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.147	0.173	18.160	93.439%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.417%	0.371	62.300	T 2773.000	2729.000	T 6528.000	T 2008.000	4343.000	87.830%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.200	18.910	9.377	3247.000	240.500	TM 11180.000	3.854	8.781	11.300
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		47.410	3.721	-0.011	0.473	18.570	91.431%	0.737	0.057	-0.050
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.046	0.244	86.010%	2.712	0.102	0.136	135.000	2.674	92.403%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.141	0.151	21.770	95.267%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.770%	0.241	40.590	T 1939.000	1917.000	T 4182.000	T 1067.000	9886.000	84.251%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		73.130	12.740	5.983	-16240.000	158.300	T 8989.000	2.488	6.658	7.364
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		27.290	2.649	-0.046	-0.197	28.390	85.879%	0.617	0.034	0.041
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.031	0.124	82.564%	2.255	1.051	1.099	142.700	1.678	89.275%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.106	0.112	9.366	91.920%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		94.910%	0.623	395.400	T 6050.000	T 6014.000	TM 12730.000	T 2860.000	12130.000	86.485%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.830	37.300	15.570	-3083.000	185.700	TM 14710.000	5.275	14.270	15.410
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.240	4.726	-0.006	0.141	38.900	89.665%	0.635	0.065	-0.036
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.052	0.272	82.097%	2.724	0.461	0.496	173.400	3.955	88.644%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.196	0.202	116.600	89.695%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		90.881%	1.107	T 261.200	T 9195.000	T 9211.000	TM 23490.000	T 5047.000	14270.000	85.575%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.190	59.320	26.490	1616.000	271.900	TM 24010.000	8.928	24.810	20.300
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		87.320	5.655	0.007	0.403	60.640	91.982%	0.838	0.117	-0.103
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.092	0.415	81.747%	3.014	0.221	0.266	248.500	5.487	90.177%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.311	0.343	19.840	91.433%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		91.038%	1.716	τ334.700	τ11860.000	τ11850.000	TM40190.000	τ8950.000	11960.000	87.634%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		131.200	88.050	40.930	3358.000	358.300	TM33340.000	11.440	32.810	24.100
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		119.100	7.862	0.018	0.143	59.830	94.477%	0.574	0.156	-0.244
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.134	0.664	81.881%	3.621	0.312	0.290	365.500	7.172	88.729%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.462	0.489	21.890	89.459%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.684%	0.256	48.490	τ2394.000	2351.000	τ4038.000	τ1465.000	3640.000	89.094%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		74.180	12.290	6.240	6509.000	151.600	τ7362.000	2.376	5.716	6.580
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		28.410	2.268	0.019	-0.092	12.970	90.277%	0.374	0.037	0.011
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.026	0.141	85.673%	2.369	0.065	0.072	102.500	2.301	90.505%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.073	0.083	8.878	92.897%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		93.942%	0.333	59.310	τ 4264.000	4141.000	τ 6100.000	τ 1839.000	6747.000	85.485%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		94.770	19.390	8.267	-4376.000	187.500	TM 10310.000	3.560	8.446	7.663

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		36.740	3.449	-0.057	-0.010	18.770	89.666%	0.445	0.029	-0.004

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.038	0.178	83.343%	2.427	0.096	0.100	137.800	3.376	90.090%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.103	0.110	9.224	92.169%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.485%	0.544	75.250	τ 5144.000	τ 5079.000	TM 10300.000	τ 2685.000	5321.000	89.116%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		115.900	27.760	13.340	6490.000	259.100	TM 14380.000	5.285	12.910	11.940

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		56.160	4.464	0.053	0.306	21.110	93.233%	0.632	0.136	-0.013

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.135	0.311	85.793%	2.603	0.154	0.175	181.100	3.900	91.826%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.173	0.175	15.760	93.306%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		88.030%	4.957	τ9786.000	τ9677.000	τ9721.000	τ5047.000	τ9664.000	9864.000	78.752%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.430	49.060	47.570	-24600.000	48.620	τ5048.000	48.440	49.090	49.340
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.670	48.240	-0.164	48.890	49.620	77.213%	50.180	49.050	-1.562
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.970	49.780	77.226%	49.970	49.390	49.570	48.080	0.041	84.529%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		49.170	49.650	49.070	85.804%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.464%	-0.017	-2.932	-0.140	-0.082	-2.268	-2.051	-1.481	86.023%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.109	0.770	-0.088	5561.000	0.008	-1.526	-0.002	-0.006	-0.011
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.126	-0.211	-0.050	-0.571	0.006	83.653%	0.027	0.002	0.115
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.002	-0.030	84.348%	0.025	-0.009	-0.005	-0.086	-0.004	89.726%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.179	0.175	0.002	92.778%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.597%	0.533	146.300	τ5139.000	τ4992.000	TM 10510.000	τ2644.000	6604.000	88.123%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.380	28.780	13.690	8135.000	198.200	TM 13290.000	5.278	13.370	13.090
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		52.660	3.931	0.004	0.311	27.320	90.766%	0.674	0.070	-0.047
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.058	0.247	83.401%	2.410	0.145	0.176	141.600	3.228	88.734%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.231	0.238	16.110	90.183%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.789%	0.442	58.210	τ4261.000	4142.000	τ8219.000	τ2097.000	4690.000	88.778%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.590	22.990	10.950	6396.000	206.000	TM 11990.000	4.176	10.440	10.040
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		46.700	3.849	0.039	-0.214	18.580	92.489%	0.545	0.064	0.007
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.055	0.241	85.787%	2.560	0.143	0.151	153.000	3.342	91.537%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.158	0.160	17.040	93.695%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.742%	0.125	27.010	τ992.000	987.500	τ2226.000	601.200	2806.000	88.144%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		45.120	9.063	4.022	5165.000	106.400	τ6251.000	1.806	4.115	3.993
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		18.540	2.354	-0.003	-0.117	10.870	89.104%	0.357	0.021	-0.000
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.020	0.096	85.772%	2.452	0.076	0.074	72.900	1.557	91.025%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.049	0.062	21.130	93.794%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		94.998%	0.157	26.630	τ1249.000	1244.000	τ2443.000	598.500	4191.000	85.405%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.680	9.901	4.357	-2168.000	125.300	τ6159.000	2.004	4.565	4.181
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		20.010	2.312	-0.018	-0.263	12.850	85.001%	0.368	0.019	0.025
Run	Time	109Ag	110Cd	115In	118Sn12	1Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.015	0.076	81.662%	2.299	0.060	0.052	67.860	1.642	87.062%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.043	0.059	5.083	89.453%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		94.964%	0.154	27.210	↹1388.000	1388.000	↹2607.000	↹667.000	4025.000	84.110%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		47.880	9.928	3.946	-2732.000	111.600	↹5883.000	1.897	4.633	4.462
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		20.570	2.459	-0.069	-0.061	12.300	85.181%	0.340	0.026	0.026
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.018	0.092	81.826%	2.289	0.062	0.056	86.870	1.759	87.958%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.046	0.045	6.127	91.684%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.535%	0.165	22.840	↹1205.000	1210.000	↹2499.000	↹644.400	2781.000	87.929%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		47.310	8.770	4.194	8176.000	109.400	↹5748.000	1.853	4.316	5.604
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		21.740	1.981	0.042	-0.313	12.520	88.220%	0.378	0.025	0.056
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.025	0.095	84.099%	2.347	0.061	0.078	77.760	1.597	88.602%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.034	0.051	7.125	90.831%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		94.814%	0.278	46.430	τ2831.000	2795.000	τ4919.000	τ1212.000	5217.000	85.768%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		73.420	16.230	7.047	1877.000	149.600	τ8510.000	3.020	7.356	6.052

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		30.920	3.657	-0.062	-0.123	16.790	87.899%	0.460	0.033	0.028

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.023	0.148	82.560%	2.280	0.094	0.085	120.900	2.807	88.374%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.091	0.072	7.544	91.192%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.369%	0.291	44.530	τ2822.000	2769.000	τ4749.000	τ1174.000	5427.000	85.359%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		71.960	15.440	6.729	457.300	154.500	τ8997.000	3.120	7.598	6.085

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		31.850	3.495	-0.057	0.283	16.410	86.450%	0.456	0.028	-0.004

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.027	0.169	81.290%	2.398	0.095	0.096	113.200	2.503	87.447%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.071	0.080	7.477	89.864%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		76.254%	-0.013	TM 250000.000	TM 96590.000	TM 96840.000	TM 101000.000	TM 99300.000	TM 325500.000	69.755%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2086.000	-0.571	-0.219	-41970.000	-0.005	TM 249900.000	-0.033	0.427	0.412

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2.178	0.429	0.206	0.238	4.389	69.191%	M 2016.000	0.100	1.442

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.083	-0.145	70.812%	0.164	0.193	0.199	0.586	0.035	76.941%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.060	0.064	0.137	70.858%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		79.315%	17.730	TM 257100.000	TM 98280.000	TM 98370.000	TM 102000.000	TM 99790.000	TM 324000.000	69.866%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2102.000	18.740	18.820	-43780.000	19.130	TM 249000.000	18.650	18.400	17.430

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		17.780	18.190	0.107	17.440	24.750	68.377%	M 2029.000	17.340	1.122

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		17.190	16.970	69.934%	20.130	18.620	18.670	20.140	0.130	75.978%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		21.440	21.760	20.910	69.228%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.973%	4.761	τ9715.000	τ9730.000	τ9764.000	τ5041.000	τ9358.000	9846.000	77.587%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.510	47.240	47.990	-27820.000	49.060	τ4935.000	48.340	48.850	48.740

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.400	48.600	-0.213	47.910	49.130	75.742%	50.560	49.180	-1.533

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.600	49.840	76.637%	49.730	48.890	49.130	47.860	0.043	86.497%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		49.570	49.850	48.940	89.585%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg25	Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.834%	-0.015	0.419	-0.170	-0.448	-2.201	-2.497	-1.036	81.018%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.045	0.526	-0.256	-17890.000	-0.014	-3.738	-0.000	0.006	-0.017

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.226	-0.282	-0.091	-0.509	0.007	78.382%	0.408	-0.000	0.083

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.001	-0.022	79.529%	0.020	0.023	0.023	-0.004	0.003	87.263%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.166	0.179	0.001	91.476%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg25	Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.797%	-0.017	-0.348	0.248	0.178	-1.962	-0.799	3.196	82.797%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.095	0.541	-0.017	-10470.000	0.003	-3.637	-0.001	0.018	0.008
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.076	-0.888	0.047	-0.256	0.022	79.280%	0.204	0.002	0.068
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.001	-0.022	79.381%	3.021	-0.009	0.010	0.101	-0.001	86.786%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.050	0.059	0.001	90.109%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.751%	4.643	τ950.300	τ948.700	974.100	τ988.500	τ915.600	1061.000	81.565%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		189.600	48.820	50.410	-3545.000	99.600	τ987.800	49.910	51.100	50.800
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.240	9.362	0.005	9.073	100.800	78.295%	49.220	10.120	-0.482
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.090	9.871	79.868%	51.840	9.429	9.554	98.720	0.100	88.272%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		10.060	10.090	98.420	93.541%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.955%	0.515	37.100	T 8384.000	T 8396.000	T 9562.000	T 1058.000	19740.000	83.006%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		168.700	19.580	16.330	-22150.000	T 749.200	TM 18840.000	7.415	20.220	32.330

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 716.400	7.350	-0.062	0.558	19.680	84.433%	3.925	0.041	0.014

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.045	0.512	80.025%	3.413	0.719	0.752	116.300	2.832	87.799%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.283	0.294	52.870	89.620%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.136%	0.305	55.560	TM 22210.000	TM 22180.000	T 6533.000	T 653.100	TM 48150.000	82.812%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		195.100	17.360	8.922	-26690.000	T 501.000	TM 13630.000	5.890	12.990	14.270

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		73.500	5.839	0.041	-0.018	20.480	84.986%	1.076	0.027	0.107

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba15	3Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.016	0.136	79.432%	2.766	0.139	0.148	39.750	2.794	88.652%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.143	0.177	21.760	89.843%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.337%	0.453	24.290	τ5129.000	τ5012.000	τ9345.000	τ1365.000	9192.000	84.870%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		175.400	20.590	11.280	-13330.000	τ686.100	TM 14850.000	6.918	14.350	18.060

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		87.560	6.317	-0.037	0.082	11.690	87.708%	1.633	0.048	0.097

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.049	0.273	82.579%	3.178	0.190	0.205	130.900	2.937	91.026%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.244	0.256	23.240	93.840%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.724%	0.463	35.870	τ3320.000	3222.000	τ7872.000	τ794.900	18770.000	85.101%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		117.400	20.060	8.226	-22870.000	370.600	TM 25670.000	7.659	17.120	21.540

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		121.900	20.840	-0.070	1.285	21.220	87.109%	2.123	0.059	-0.037

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.071	2.382	81.328%	2.929	0.216	0.213	106.300	2.748	88.720%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.249	0.233	22.600	90.410%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.005%	5.241	T 1012.000	T 4633.000	4479.000	TM 12940.000	T 2105.000	19420.000	83.010%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		326.800	73.340	57.040	-18830.000	T 482.400	TM 28420.000	54.880	66.020	68.750
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		214.100	31.220	-0.069	10.160	115.400	86.092%	46.370	9.637	-0.217
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		9.741	11.770	80.681%	48.810	5.467	5.686	215.600	2.924	89.334%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		10.090	10.220	119.600	91.875%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.713%	5.465	T 1029.000	T 4916.000	4744.000	TM 13600.000	T 2215.000	M 20360.000	84.914%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		335.600	77.600	58.340	-18900.000	T 504.200	TM 29310.000	56.710	67.860	70.410
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		222.900	31.750	-0.033	9.828	118.000	87.837%	46.600	9.911	-0.290
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		9.956	12.120	81.361%	49.130	5.342	5.603	218.400	3.172	89.383%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		10.420	10.520	123.200	91.278%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.926%	10.310	T 4868.000	T 7995.000	T 8004.000	T 8663.000	T 5617.000	M 22860.000	82.370%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		134.400	38.610	26.830	-22340.000	T 440.600	TM 26790.000	35.900	55.120	49.170

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		191.300	92.530	-0.110	62.720	40.070	83.892%	31.520	40.170	-5.951

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		39.690	24.810	78.756%	106.800	79.540	82.220	122.900	2.766	86.683%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		100.700	101.400	101.300	88.609%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.269%	0.077	4.399	616.300	639.200	T 1511.000	147.900	3663.000	82.592%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		22.250	4.134	1.483	-22610.000	73.530	T 4971.000	1.493	3.410	4.242

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		26.580	3.853	-0.109	0.093	4.301	81.275%	0.429	0.016	0.155

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.013	0.404	81.042%	0.527	0.035	0.035	20.620	0.578	88.397%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.307	0.323	4.359	93.191%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		90.718%	4.957	τ9807.000	τ9790.000	τ9824.000	τ5094.000	τ9595.000	9873.000	77.871%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.540	48.550	48.050	-30070.000	48.660	τ5028.000	48.130	48.550	48.640

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.950	48.130	-0.201	50.370	49.360	75.946%	50.070	49.010	-1.356

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.970	49.150	75.918%	49.920	48.820	48.980	48.190	0.047	83.343%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		48.990	49.540	48.620	85.401%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.620%	-0.021	-2.136	-0.145	-0.284	-2.262	-2.264	-1.258	81.700%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.055	0.811	-0.222	-6755.000	-0.009	-2.293	-0.001	-0.015	-0.009

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.172	-0.018	-0.084	-0.496	0.010	79.805%	0.053	-0.000	0.111

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.002	-0.028	80.826%	0.002	-0.003	0.010	-0.022	-0.001	87.885%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.182	0.194	0.002	91.223%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.629%	0.401	29.640	T 1807.000	1710.000	T 6663.000	398.700	18550.000	92.943%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		118.500	13.880	4.736	-33660.000	284.500	TM 143600.000	6.082	20.090	19.700

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		81.540	192.400	0.113	3.049	32.280	93.089%	5.620	0.072	-0.053

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.065	1.378	88.250%	3.172	0.315	0.292	291.400	1.906	92.147%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.226	0.256	29.130	93.488%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.078%	0.289	11.500	T 1346.000	1274.000	T 4582.000	T 670.000	11920.000	91.108%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		94.470	9.460	3.327	-40440.000	T 502.300	TM 374800.000	9.103	18.350	15.340

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.600	142.300	0.139	1.917	20.830	92.436%	13.520	0.060	-0.071

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.055	1.292	88.423%	3.237	0.341	0.320	172.500	1.378	92.338%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.212	0.217	25.690	92.812%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.076%	0.268	12.080	T 1256.000	1182.000	T 4198.000	609.100	10860.000	92.170%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		89.860	9.322	3.840	-40170.000	T 488.600	TM 359000.000	8.941	17.020	14.440

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.630	139.700	0.149	2.465	18.970	92.131%	12.930	0.055	-0.082

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.055	1.243	87.657%	3.038	0.299	0.314	159.000	1.151	90.150%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.221	0.205	26.210	88.297%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.113%	0.529	24.290	T 2702.000	2646.000	T 9630.000	T 817.500	M 25180.000	83.452%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		127.100	17.740	7.012	-29190.000	302.400	TM 40550.000	8.536	22.280	23.400

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		82.700	29.770	-0.093	4.059	30.410	84.528%	3.514	0.065	-0.071

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.077	1.756	79.647%	2.932	0.263	0.280	146.900	2.355	86.543%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.178	0.191	27.310	87.731%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.641%	0.332	30.820	↑3924.000	3845.000	↑5429.000	↑959.700	10750.000	84.235%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		111.800	15.630	7.576	-24210.000	217.000	TM 10810.000	5.354	12.210	14.270
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		63.620	7.545	-0.102	0.752	10.860	84.145%	2.680	0.045	0.070
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.037	0.536	78.994%	2.439	0.114	0.145	40.970	2.358	84.894%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.221	0.220	15.450	85.632%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.252%	0.111	32.700	↑5927.000	↑5930.000	↑2001.000	267.900	10220.000	80.231%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		75.950	7.358	3.595	-31020.000	90.480	↑5431.000	3.275	9.206	10.280
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		30.610	2.841	-0.080	0.145	5.374	80.173%	0.487	0.012	0.130
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.009	0.119	77.849%	2.317	0.088	0.102	12.850	1.319	85.577%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.130	0.127	5.578	86.894%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.501%	0.643	91.210	τ6374.000	τ6349.000	τ4491.000	320.400	19750.000	81.903%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.100	7.138	3.360	-30620.000	277.600	τ6488.000	2.003	4.288	3.854
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		26.290	2.329	-0.049	0.141	21.590	80.521%	0.751	0.014	0.065
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.010	0.055	77.665%	2.576	0.047	0.042	45.860	1.323	84.237%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.052	0.059	12.920	84.490%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.038%	-0.019	49.190	-0.567	-0.705	12.990	10.170	74.940	86.882%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.194	0.299	0.204	-16110.000	0.044	1.424	0.004	0.105	0.866
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3.450	0.135	-0.304	-1.018	0.408	83.140%	0.073	0.011	0.101
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.008	-0.019	81.863%	0.023	-0.019	-0.003	0.717	-0.004	86.875%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		-0.001	0.001	0.256	85.974%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		93.757%	23.080	T 4834.000	T 4760.000	4682.000	T 4977.000	T 4705.000	5229.000	81.554%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		924.500	234.400	242.000	-4800.000	T 484.900	T 4990.000	240.900	246.300	245.300

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		435.400	42.280	0.073	38.780	M 487.500	78.424%	240.300	49.350	-2.861

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.250	46.820	78.349%	241.400	44.810	45.720	483.700	0.422	86.084%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		51.190	51.830	494.100	85.879%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.767%	-0.012	T 2272.000	TM 25280.000	TM 25200.000	14.560	T 920.900	TM 79870.000	86.803%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.788	1.064	0.387	-34630.000	160.400	35.430	1.607	2.455	1.072

Run	Time	66Zn75	As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4.384	-0.031	-0.082	-1.204	154.400	83.278%	4.408	0.002	0.092

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.002	-0.009	82.041%	0.069	0.025	0.034	8.484	0.007	89.474%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.177	0.205	0.190	83.898%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		90.779%	4.955	τ9945.000	τ9991.000	τ9971.000	τ5177.000	τ9748.000	10050.000	78.254%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.390	47.730	48.390	-17410.000	49.280	τ5103.000	49.070	49.230	49.600

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.990	49.210	-0.115	48.600	50.600	75.494%	50.910	49.690	-1.584

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.700	49.730	75.966%	50.640	49.380	49.610	48.680	0.039	84.833%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		50.400	50.980	50.200	85.183%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.259%	-0.020	-2.292	-1.818	-2.070	-2.308	-2.164	-2.515	82.900%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.120	0.646	-0.164	-833.800	-0.011	-2.894	-0.003	-0.040	-0.006

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.154	-0.399	-0.034	-0.528	0.001	79.721%	0.054	-0.001	0.094

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	-0.017	79.927%	-0.019	0.008	0.022	0.007	-0.002	85.222%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.168	0.167	-0.000	86.607%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.458%	-0.020	T 2136.000	TM 23570.000	TM 23620.000	7.490	T 1473.000	TM 85160.000	86.317%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.819	1.180	0.314	-36060.000	117.700	15.650	1.157	1.047	1.153

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		5.943	0.134	-0.107	-1.005	110.400	83.045%	4.519	0.004	0.137

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb13	7Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.004	-0.008	82.631%	0.065	0.031	0.052	12.950	0.025	90.772%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.079	0.089	0.089	85.841%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.868%	-0.020	T 2220.000	TM 24000.000	TM 24070.000	11.230	T 1536.000	TM 85510.000	88.248%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.672	1.640	0.343	-36580.000	126.300	24.750	1.283	1.256	1.250

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		6.103	-0.085	-0.059	-1.224	110.100	83.592%	5.284	0.007	0.115

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.009	-0.006	82.059%	0.077	0.034	0.052	13.180	0.008	88.793%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.064	0.068	0.126	83.093%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.033%	-0.020	T 2002.000	TM 29620.000	TM 29640.000	7.780	T 1069.000	TM 106000.000	85.400%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.776	1.260	0.403	-30900.000	170.300	59.660	2.370	3.506	1.122
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		7.885	-0.120	0.119	-1.222	177.000	81.675%	3.210	0.003	0.116
Run	Time	109Ag	110Cd1	1 5In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.003	-0.000	81.214%	0.087	0.054	0.067	15.960	0.017	90.006%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.071	0.076	0.138	84.625%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.396%	22.600	T 6885.000	TM 34030.000	TM 34170.000	T 5081.000	T 5859.000	TM 111600.000	85.730%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		925.200	233.900	237.500	-34810.000	T 656.700	T 5017.000	237.300	239.000	231.200
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		433.600	43.090	-0.048	39.460	TM 692.000	83.013%	241.700	46.450	-2.692
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		46.690	45.330	82.741%	238.100	44.120	44.730	502.700	0.457	90.068%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		51.880	52.720	496.600	84.587%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.021%	22.580	T 6832.000	TM 34120.000	TM 34270.000	T 5083.000	T 5943.000	TM 113100.000	85.071%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		942.500	238.700	237.500	-41540.000	T 668.800	T 5113.000	237.900	239.900	232.300
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		421.300	43.320	-0.170	39.780	TM 701.000	83.202%	244.500	46.890	-2.920
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		46.730	46.010	83.778%	242.300	44.850	45.890	510.000	0.438	92.074%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		52.410	53.410	500.900	87.960%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.421%	9.712	T 7251.000	TM 34340.000	TM 34690.000	T 1104.000	T 6222.000	TM 111100.000	87.136%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		23.420	21.740	21.320	-32940.000	247.200	T 2219.000	32.750	43.980	30.320
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		76.770	69.200	0.109	56.050	196.700	83.103%	35.830	40.170	-6.647
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		40.040	22.830	82.201%	107.400	73.020	75.710	36.720	0.035	89.767%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		111.100	111.500	85.150	84.630%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.630%	-0.018	393.800	T 6055.000	T 6030.000	5.860	207.100	M 20030.000	84.310%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.075	0.664	-0.180	-16780.000	35.510	10.540	0.486	0.630	0.262

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3.214	-0.429	0.033	-0.659	36.280	81.780%	0.745	0.001	0.119

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	-0.034	82.784%	0.023	0.118	0.126	3.123	-0.001	90.483%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.090	0.104	0.038	92.243%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.824%	-0.016	T 6030.000	TM 25600.000	TM 25590.000	28.430	T 2689.000	TM 101900.000	87.464%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.070	0.862	0.096	-41910.000	239.100	T 565.800	0.145	1.139	1.184

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		9.702	0.707	-0.196	-1.198	104.300	84.566%	5.768	0.001	0.134

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.002	-0.029	83.561%	0.025	0.104	0.116	67.680	0.080	91.405%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.074	0.087	0.140	85.428%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.217%	-0.017	T 5896.000	TM 25530.000	TM 25640.000	12.810	T 2663.000	TM 100900.000	83.357%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.457	0.693	0.222	-27210.000	152.800	381.400	0.073	1.001	0.955

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8.340	0.941	0.065	-1.060	102.300	81.567%	5.721	0.008	0.117

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.006	-0.025	81.208%	0.193	0.193	0.202	64.220	0.057	91.003%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.042	0.045	0.133	86.559%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.935%	-0.020	T 5996.000	TM 25500.000	TM 25680.000	6.445	T 2700.000	TM 101600.000	88.235%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.581	0.947	0.067	-46900.000	227.800	30.330	0.112	1.375	1.339

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		6.077	0.638	-0.331	-1.057	103.200	85.426%	5.569	0.004	0.119

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.002	-0.017	84.191%	0.017	0.060	0.075	66.550	0.056	92.316%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.038	0.040	0.121	85.392%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		88.405%	4.918	↹9802.000	↹9788.000	↹9863.000	↹5103.000	↹9678.000	9918.000	78.067%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.280	46.970	47.030	-14160.000	48.220	↹5010.000	48.100	48.510	48.090

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.720	47.000	-0.089	46.560	49.240	76.720%	49.380	48.970	-1.577

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.670	48.730	77.489%	49.680	49.230	49.190	47.780	0.034	86.221%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		48.750	49.280	48.320	88.809%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		94.058%	-0.021	-2.061	-1.587	-1.608	-2.320	-2.427	-2.277	81.579%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.073	0.509	-0.216	2771.000	-0.012	-4.265	-0.003	-0.054	-0.012

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.315	-0.088	-0.061	-0.414	0.004	79.455%	0.042	-0.000	0.124

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.001	-0.034	79.993%	-0.008	0.029	0.033	-0.002	-0.004	86.396%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.144	0.145	0.000	89.316%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		94.257%	-0.016	T 5911.000	TM 25540.000	TM 25600.000	10.980	T 2688.000	TM 100900.000	85.030%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.663	1.364	0.023	-43450.000	136.500	21.090	0.065	1.074	1.117

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4.603	0.475	-0.269	-0.818	102.700	84.317%	5.535	0.004	0.080

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.005	-0.021	83.368%	0.026	0.092	0.091	64.270	0.052	92.623%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.056	0.063	0.090	87.894%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg25	Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.152%	-0.021	56.250	-0.598	-0.657	16.290	5.153	39.360	86.584%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.216	0.810	-0.085	-36430.000	0.029	1.186	0.005	0.066	0.307

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.822	0.010	-0.501	-1.199	0.214	85.305%	-0.000	0.001	0.098

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	-0.020	86.076%	-0.026	-0.017	-0.004	0.639	0.000	92.541%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		-0.002	0.009	0.083	93.954%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		90.835%	23.800	T 4897.000	T 4813.000	4695.000	T 5096.000	T 4831.000	5331.000	82.113%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		950.300	240.500	245.200	-19990.000	T 497.500	T 5097.000	245.500	250.800	246.600
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		458.400	44.700	-0.196	40.400	H 495.300	79.761%	242.500	49.830	-2.974
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.760	48.970	79.903%	245.800	46.040	47.090	488.800	0.463	87.292%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		51.840	52.090	495.000	87.803%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.778%	-0.018	TM 19980.000	T 7473.000	T 7505.000	5.288	T 1424.000	TM 41850.000	86.849%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.904	1.192	0.183	-46170.000	32.130	36.870	-0.025	1.036	2.253
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		13.850	-0.213	-0.410	-1.289	197.400	84.586%	0.451	0.006	0.131
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.006	-0.035	84.997%	0.127	0.006	0.005	10.030	0.015	93.389%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.161	0.161	0.167	91.023%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		89.099%	23.790	TM 24960.000	T 12200.000	T 12230.000	T 5010.000	T 6273.000	TM 47780.000	83.306%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		924.400	236.300	239.400	-37030.000	T 526.200	T 5069.000	236.800	242.000	239.900

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		444.700	44.350	-0.301	39.910	TM 718.900	80.207%	242.000	47.860	-3.320

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		47.710	47.930	79.913%	243.000	45.390	46.500	497.000	0.449	87.640%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		51.460	52.110	494.000	85.542%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		88.101%	23.310	TM 25360.000	T 12350.000	T 12390.000	T 5099.000	T 6271.000	TM 47480.000	80.302%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		929.300	234.600	239.700	-18160.000	T 526.400	T 5072.000	238.700	239.500	238.900

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		433.900	43.180	0.019	39.430	TM 720.700	77.507%	241.700	47.870	-2.821

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		47.810	46.590	77.654%	243.900	44.710	45.690	496.300	0.430	86.153%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		50.430	50.960	483.300	86.435%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		88.527%	10.430	TM 25100.000	T 12390.000	T 12420.000	T 1098.000	T 6659.000	TM 47300.000	83.568%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		23.630	21.150	20.920	-48740.000	113.800	T 2258.000	30.590	42.510	32.230

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		89.320	74.910	-0.417	60.770	H 215.400	81.083%	33.130	40.930	-6.646

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		40.110	23.680	80.865%	108.900	73.940	77.110	31.010	0.029	88.184%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		111.100	112.400	86.200	86.574%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.659%	-0.023	T 4236.000	T 1592.000	1572.000	3.026	283.000	8301.000	81.519%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.110	0.724	-0.110	-5030.000	6.889	5.363	-0.007	0.190	0.501

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4.843	0.116	-0.097	-0.489	41.850	79.654%	0.142	-0.000	0.079

Run	Time	109Ag	110Cd	115In	118Sn12	1Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.001	-0.025	80.207%	0.031	0.212	0.234	2.198	0.002	88.467%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.064	0.079	0.041	92.394%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		88.689%	-0.019	TH 60020.000	T 1490.000	1419.000	38.020	702.200	6397.000	81.114%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.872	1.203	0.613	-33970.000	28.180	T 893.100	0.612	3.760	1.445

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		11.670	0.595	-0.328	-1.224	60.690	79.081%	5.770	0.007	0.077

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.007	-0.022	78.372%	0.175	0.213	0.196	21.960	0.045	86.902%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.050	0.059	0.209	85.703%

S 609118-003-010-1/1 10/19/2006 12:24:39 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.433%	-0.015	T 6943.000	T 4308.000	4180.000	22.320	T 958.300	6051.000	85.517%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.968	0.524	0.890	10510.000	310.400	32.280	1.187	3.692	2.652

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.430	-0.013	0.019	-1.058	83.550	83.173%	0.181	0.005	0.115

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.005	-0.011	83.225%	0.213	0.127	0.146	35.920	0.163	90.436%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.040	0.036	0.385	94.374%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		86.993%	4.935	↑9847.000	↑9869.000	↑9839.000	↑5080.000	↑9689.000	9923.000	75.494%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.090	47.710	47.390	-8386.000	49.080	↑5104.000	48.160	48.050	48.640

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.790	47.730	-0.055	48.930	49.750	74.217%	49.970	48.580	-1.440

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.710	48.950	74.937%	50.070	49.040	48.890	47.540	0.037	82.795%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		48.220	48.580	47.590	86.922%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		89.318%	-0.020	-1.558	-1.127	-1.216	-2.307	-3.005	0.569	77.196%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.083	1.278	-0.167	6944.000	-0.008	-5.630	-0.003	-0.030	-0.016

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.319	-0.014	-0.072	-0.586	0.006	75.193%	0.061	-0.000	0.076

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.000	-0.024	75.748%	-0.010	0.024	0.042	0.015	-0.004	82.623%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.163	0.172	0.002	87.769%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		89.625%	-0.022	TM 97860.000	23.730	24.460	22.860	150.000	1518.000	82.263%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.755	2.486	0.803	-11220.000	1.529	27.630	0.021	1.114	1.384
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.320	1.305	-0.094	-1.249	1.757	79.279%	1.764	0.008	0.114
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.008	-0.024	78.537%	0.499	0.084	0.082	0.952	0.007	87.039%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.063	0.071	0.285	87.080%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		91.318%	-0.021	TM 56420.000	T 1474.000	1411.000	11.830	627.200	7385.000	84.917%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.855	0.376	1.017	-14870.000	11.340	16.350	0.008	0.292	1.406
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		18.190	-0.173	-0.145	-1.295	101.100	82.317%	1.328	0.006	0.131
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.007	-0.038	81.789%	0.325	0.028	0.056	20.220	0.023	89.251%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.033	0.048	0.236	89.577%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.972%	-0.023	TM 55850.000	T 1462.000	1401.000	7.398	610.600	7007.000	82.756%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.791	0.971	1.103	13370.000	11.470	30.060	0.012	1.111	1.614

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		9.193	-0.524	0.222	-1.253	98.280	81.232%	1.363	0.009	0.104

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.008	-0.032	80.173%	0.466	0.041	0.047	19.650	0.016	89.232%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.015	0.021	0.253	94.084%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.877%	-0.022	T 19530.000	T 2348.000	2270.000	6.977	191.400	14490.000	86.454%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.523	1.893	0.526	-7734.000	5.914	14.160	-0.008	0.349	2.166

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		28.840	0.065	-0.158	-1.182	14.740	82.568%	0.548	0.007	0.131

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.007	-0.008	82.268%	0.343	0.032	0.047	0.792	0.002	89.095%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.015	0.026	0.391	91.620%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		89.431%	-0.020	96.220	0.219	0.120	11.170	22.020	34.160	81.035%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.013	0.449	-0.370	276.500	0.020	-1.947	0.001	-0.038	1.336

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2.282	-0.176	-0.294	-1.397	0.202	78.638%	0.007	0.072	0.103

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O15	9Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.063	-0.024	79.093%	-0.026	-0.005	-0.003	0.162	-0.004	85.237%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		-0.010	-0.003	0.615	89.132%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		83.305%	25.310	T4770.000	T4714.000	4570.000	T4974.000	T4826.000	5241.000	76.870%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		934.300	234.900	235.300	-20540.000	476.400	T5035.000	238.100	245.400	245.400

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M517.300	49.810	-0.337	50.520	M486.900	76.399%	238.500	48.860	-2.937

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.660	51.600	77.438%	243.100	48.650	49.620	482.700	0.397	85.111%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		48.870	49.690	476.600	90.063%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		84.225%	0.033	TM 50730.000	T 5280.000	5016.000	103.700	T 5246.000	M 22260.000	77.469%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3.147	4.844	0.105	-38250.000	234.500	T 3751.000	3.556	6.351	7.482
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		31.580	4.936	-0.356	0.319	84.530	76.330%	33.130	0.013	0.130
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.008	0.032	75.342%	0.173	0.636	0.643	29.970	0.223	83.235%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.178	0.191	3.878	83.620%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		82.841%	0.017	TM 49620.000	T 5239.000	4950.000	96.300	T 5164.000	M 22240.000	76.536%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2.695	4.065	0.032	-41030.000	228.800	T 3639.000	3.419	6.216	7.248
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		28.240	5.115	-0.394	0.143	83.980	76.050%	32.450	0.013	0.116
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.008	0.030	76.285%	0.119	0.627	0.662	29.150	0.233	84.807%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.049	0.056	3.993	86.337%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		82.267%	24.110	TM 53320.000	T 9643.000	T 9604.000	T 5005.000	T 9698.000	TM 27270.000	77.038%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		903.800	230.400	226.700	-34950.000	T 721.600	T 8553.000	230.900	237.400	235.900

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		484.100	49.950	-0.342	45.350	M 548.100	75.988%	264.200	45.990	-2.754

Run	Time	109Ag	110Cd	115In	118Sn	121Sb12	3Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		46.260	48.230	75.520%	235.000	46.620	47.860	495.200	0.644	83.877%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		48.820	49.230	472.300	84.958%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		82.284%	10.310	TM 54950.000	T 10030.000	T 10120.000	T 1173.000	T 10280.000	M 26910.000	77.410%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		25.110	23.710	19.650	-39640.000	308.900	T 5808.000	32.810	46.170	36.190

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		109.200	81.280	-0.401	67.880	104.400	76.608%	64.510	39.880	-6.255

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		39.600	23.290	76.019%	105.900	76.060	79.610	49.900	0.298	84.514%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		104.000	105.200	84.200	85.366%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		84.606%	4.955	τ9830.000	τ9855.000	τ9809.000	τ5103.000	τ9772.000	9947.000	75.680%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.110	48.660	47.990	-11250.000	48.940	τ5100.000	48.370	48.720	49.170
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.280	48.280	-0.086	48.260	50.050	73.687%	49.920	49.150	-1.478
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.920	49.620	74.200%	50.350	49.710	49.790	48.780	0.056	82.323%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		48.090	48.830	47.810	86.972%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		86.732%	-0.022	0.688	-0.886	-0.951	-2.319	-2.670	1.234	77.251%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.089	0.934	-0.247	848.600	0.006	-5.222	-0.002	-0.035	-0.018
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.309	-0.269	-0.059	-0.471	0.002	75.614%	0.088	0.001	0.084
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O15	9Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.001	-0.023	76.178%	0.002	0.065	0.104	-0.017	-0.004	82.900%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.199	0.211	0.002	88.400%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		84.898%	-0.011	T 10110.000	T 1072.000	1061.000	19.880	T 1044.000	4666.000	77.401%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.955	1.096	-0.203	-12220.000	49.250	T 759.800	0.716	1.337	1.565

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8.328	1.054	-0.152	-0.478	17.510	75.863%	6.830	0.002	0.124

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.002	-0.022	76.791%	0.034	0.174	0.152	6.064	0.047	83.602%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.077	0.072	0.768	88.616%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		83.987%	0.025	TM 49170.000	T 5175.000	T 4995.000	74.570	T 5189.000	M 21890.000	77.807%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2.106	4.271	0.099	-40380.000	232.300	T 3857.000	3.465	6.428	7.601

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		29.130	4.647	-0.357	0.117	83.750	76.368%	32.880	0.009	0.126

Run	Time10	9Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.010	0.008	76.034%	0.135	0.652	0.684	29.560	0.214	83.454%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.046	0.059	3.713	83.884%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		82.478%	0.101	TM 75920.000	T 5021.000	4690.000	T 1133.000	T 5467.000	M 21700.000	76.788%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		25.690	5.532	1.925	-40410.000	72.600	T 2149.000	1.408	4.235	8.594
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		18.060	2.483	-0.390	0.473	79.450	76.827%	55.170	0.013	0.188
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.013	-0.045	75.810%	0.244	0.840	0.871	34.270	0.540	84.670%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.045	0.059	2.526	84.215%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		83.097%	0.438	TM 73960.000	T 5412.000	5051.000	T 4389.000	T 5718.000	M 21770.000	78.693%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		81.930	18.270	7.987	-38050.000	137.000	T 7847.000	6.308	10.060	24.270
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		52.380	4.529	-0.404	0.865	79.500	80.348%	50.130	0.033	0.131
Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.037	0.092	76.169%	0.579	0.934	0.948	57.330	2.037	84.468%
Run	Time	203Tl	205Tl	208Pb	209Bi					
		ppb	ppb	ppb	ppb					
x		0.134	0.141	10.630	83.374%					

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		81.652%	-0.008	TM 245800.000	TM 25890.000	TM 25990.000	57.520	T 15670.000	TM 128100.000	77.694%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.535	1.448	-0.230	-50080.000	T 437.800	T 785.200	2.124	3.706	2.374

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8.472	0.744	-0.280	-0.011	TM 701.300	78.153%	0.836	0.008	0.078

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.006	-0.006	77.103%	0.069	0.307	0.304	123.400	0.155	86.509%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.028	0.031	0.268	81.385%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		73.442%	-0.021	TM 253400.000	TM 98080.000	TM 98400.000	TM 102900.000	TM 100700.000	TM 327400.000	66.526%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2087.000	-0.250	-0.138	-39890.000	-0.044	TM 248400.000	-0.055	0.133	0.504

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2.508	-0.048	0.251	0.023	4.331	65.900%	M 2013.000	0.086	1.497

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.089	-0.015	68.031%	0.144	0.199	0.211	0.515	0.041	74.840%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.064	0.080	0.133	70.379%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		77.214%	17.500	TM 260500.000	TM 100000.000	TM 100100.000	TM 104800.000	TM 101100.000	TM 328400.000	66.698%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2103.000	19.400	18.890	-43870.000	18.930	TM 250300.000	18.580	17.920	17.360

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		18.060	17.780	0.168	16.690	24.800	64.639%	M 2039.000	17.160	1.037

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		17.200	17.510	66.116%	20.420	18.870	18.840	20.090	0.056	73.121%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		20.680	21.230	20.590	68.422%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.451%	5.037	T 9942.000	T 9909.000	T 9866.000	T 5135.000	T 9637.000	10040.000	75.816%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.710	48.520	49.220	-28190.000	48.690	T 4978.000	48.970	49.900	49.650

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.910	48.120	-0.158	48.140	49.360	72.548%	50.860	50.120	-1.311

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.750	49.390	72.719%	50.510	49.700	49.790	48.800	0.021	81.992%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		49.290	49.390	48.570	85.640%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg25	Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.273%	-0.019	9.316	0.768	0.616	-1.882	-0.788	4.269	75.721%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.066	0.595	-0.338	-18840.000	0.046	-3.138	0.004	-0.033	-0.001

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	95Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.467	-0.145	-0.094	-0.267	0.022	73.628%	0.210	0.005	0.137

Run	Time	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.008	-0.029	74.700%	0.011	0.037	0.063	-0.013	-0.002	83.361%

Run	Time	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb
x		0.158	0.167	0.017	88.918%

GPL Laboratories, LLLP MERCURY ANALYSIS LOG *Document Control No: GP_M_171*

10/6/06

Instrument ID:	HYDRA AA	Method:	7470	Start Seq #:	1	Traceability-Solutions	
Corr. Coef.	0.999991	Data File:	HG061006	End Seq #:		Rinse 10% HCL Bath:	129-125-2
Test Optics Sample:	106955	Rack 1:	061006	Folder:	061006	Stannous CL 10%:	129-114-9
Hg Lamp:	7.762 V	Rack 2:	061006A	Batch Name:			

GPL - Maryland Laboratory CVAA Analysis Log Data File: HG061006.PRN

Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time
1	Std01Rep1	1	10/6/2006	12:09	31	S 609119-004-035-1/1	1	10/6/2006	13:47	61	S 609117-008-010-1/1	1	10/6/2006	15:10	91	S IDL-1	1	10/6/2006	16:39					
2	Std01Rep1	1	10/6/2006	12:18	32	S 609119-009-036-1/1	1	10/6/2006	13:50	62	S 609118-001-039-1/3	1	10/6/2006	15:13	92	S IDL-2	1	10/6/2006	16:42					
3	Std01Rep2	1	10/6/2006	12:21	33	S 609130-002-009-1/1	1	10/6/2006	13:52	63	SP609118-001-039-1/	1	10/6/2006	15:15	93	Ck5 CCV	1	10/6/2006	16:50					
4	Std01Rep3	1	10/6/2006	12:23	34	S 609130-003-010-1/1	1	10/6/2006	13:55	64	SD609118-001-039-1/	1	10/6/2006	15:18	94	Ck6 CCB	1	10/6/2006	16:53					
5	Std02Rep1	1	10/6/2006	12:27	35	Ck5 CCV	1	10/6/2006	13:58	65	S 609118-002-009-1/1	1	10/6/2006	15:20	95	S 609124-001-005-1/1	1	10/6/2006	16:56					
6	Std02Rep2	1	10/6/2006	12:30	36	Ck6 CCB	1	10/6/2006	14:01	66	S 609118-003-010-1/1	1	10/6/2006	15:24	96	D 609124-001-005-1/	1	10/6/2006	16:59					
7	Std02Rep3	1	10/6/2006	12:33	37	S 609135-002-026-1/1	1	10/6/2006	14:03	67	S 609118-004-025-1/1	1	10/6/2006	15:27	97	SP609124-001-005-1/	1	10/6/2006	17:01					
8	Std03Rep1	1	10/6/2006	12:35	38	S 609135-005-024-1/1	1	10/6/2006	14:06	68	S 609118-005-011-1/1	1	10/6/2006	15:29	98	SD609124-001-005-1/	1	10/6/2006	17:04					
9	Std03Rep2	1	10/6/2006	12:38	39	S 609135-007-025-1/1	1	10/6/2006	14:09	69	S 609118-006-012-1/1	1	10/6/2006	15:33	99	Ck5 CCV	1	10/6/2006	17:07					
10	Std03Rep3	1	10/6/2006	12:41	40	S 609110-002-021-1/1	1	10/6/2006	14:12	70	S 609146-001-007-1/2	1	10/6/2006	15:35	100	Ck6 CCB	1	10/6/2006	17:10					
11	Std04Rep1	1	10/6/2006	12:44	41	S 609110-003-022-1/1	1	10/6/2006	14:15	71	Ck5 CCV	1	10/6/2006	15:38	101	S IDL-1	1	10/6/2006	17:13					
12	Std04Rep2	1	10/6/2006	12:47	42	S 609110-004-023-1/1	1	10/6/2006	14:18	72	Ck6 CCB	1	10/6/2006	15:41	102	S IDL-2	1	10/6/2006	17:16					
13	Std04Rep3	1	10/6/2006	12:50	43	S 609110-005-024-1/1	1	10/6/2006	14:20	73	SP609146-001-007-1/	1	10/6/2006	15:44	103	S IDL-3	1	10/6/2006	17:19					
14	Std05Rep1	1	10/6/2006	12:53	44	S 609110-006-025-1/1	1	10/6/2006	14:24	74	SD609146-001-007-1/	1	10/6/2006	15:46	104	S IDL-4	1	10/6/2006	17:23					
15	Std05Rep2	1	10/6/2006	12:56	45	S 609110-007-026-1/1	1	10/6/2006	14:27	75	S B061005 BE-2 DI	1	10/6/2006	15:49	105	S IDL-5	1	10/6/2006	17:26					
16	Std05Rep3	1	10/6/2006	13:00	46	SP609110-007-026-1/	1	10/6/2006	14:29	76	BLK94149	1	10/6/2006	15:52	106	S IDL-6	1	10/6/2006	17:28					
17	Std06Rep1	1	10/6/2006	13:02	47	Ck5 CCV	1	10/6/2006	14:32	77	BKS94149	1	10/6/2006	15:59	107	S IDL-7	1	10/6/2006	17:31					
18	Std06Rep2	1	10/6/2006	13:05	48	Ck6 CCB	1	10/6/2006	14:35	78	S 609121-001-005-1/1	1	10/6/2006	16:02	108	Ck5 CCV	1	10/6/2006	17:34					
19	Std06Rep3	1	10/6/2006	13:08	49	SD609110-007-026-1/	1	10/6/2006	14:38	79	S 609122-002-011-1/1	1	10/6/2006	16:05	109	Ck6 CCB	1	10/6/2006	17:36					
20	Ck2 ICV	1	10/6/2006	13:16	50	BLK94148	1	10/6/2006	14:41	80	S 609122-003-012-1/1	1	10/6/2006	16:08	110	S DIGWASTE#1 DF=	1	10/6/2006	17:39					
21	Ck3 ICB	1	10/6/2006	13:19	51	BKS94148	1	10/6/2006	14:43	81	S 609122-004-013-1/1	1	10/6/2006	16:11	111	S DIGWASTE#2 DF=	1	10/6/2006	17:42					
22	Ck4 CRA	1	10/6/2006	13:21	52	S 609117-001-001-1/1	1	10/6/2006	14:46	82	S 609123-001-005-1/1	1	10/6/2006	16:14	112	Ck4 CRA	1	10/6/2006	17:54					
23	Ck5 CCV	1	10/6/2006	13:24	53	S 609117-002-002-1/1	1	10/6/2006	14:49	83	Ck5 CCV	1	10/6/2006	16:17	113	Ck5 CCV	1	10/6/2006	17:55					
24	Ck6 CCB	1	10/6/2006	13:27	54	S 609117-003-003-1/1	1	10/6/2006	14:51	84	Ck6 CCB	1	10/6/2006	16:19	114	Ck6 CCB	1	10/6/2006	19:18					
25	BLK94147	1	10/6/2006	13:30	55	S 609117-004-004-1/3	1	10/6/2006	14:54	85	~~S 609124-001-005-1/1~~	1	10/6/2006	16:22										
26	BKS94147	1	10/6/2006	13:33	56	S 609117-005-007-1/1	1	10/6/2006	14:57	86	D 609124-001-005-1/	1	10/6/2006	16:25										
27	S 609100-002-076-1/1	1	10/6/2006	13:37	57	S 609117-006-008-1/1	1	10/6/2006	15:00	87	SP609124-001-005-1/	1	10/6/2006	16:27										
28	S 609100-003-078-1/1	1	10/6/2006	13:40	58	S 609117-007-009-1/1	1	10/6/2006	15:02	88	~~SD609124-001-005-1/~~	1	10/6/2006	16:30										
29	S 609100-005-077-1/1	1	10/6/2006	13:42	59	Ck5 CCV	1	10/6/2006	15:05	89	Ck5 CCV	1	10/6/2006	16:33										
30	S 609119-002-034-1/1	1	10/6/2006	13:45	60	Ck6 CCB	1	10/6/2006	15:07	90	Ck6 CCB	1	10/6/2006	16:36										

Analyst Signature: [signature] Date: 10-11-06 Analyst Signature: Date:

3 DF = 10
3 DF = 10
10/11/06

Sample Dilutions:

waters 1 DL

Workorders	Dilutions/Reanalyses/Comments	Source Solutions	
609106		Stds	Numbers
609119		S0	38297
609130		S1	
609135		S2	
609110		S3	
609117		S4	
609118		S5	
609146		CRA	
609121		ICV	38097
609122		CCV	38297
609123			
609124			

Analyst: [signature] Date: 10/10/06 Reviewed: RA Date: 10-11-06

WinHg Database 1.5

File Utility Help

Protocol 7470 Dataset/Proto OCT06 /7470

Protocol | Line info | Cal Curve | Report | Ctrl Chart | Viewer

Reset

Calib Coeffs

New Cal

Update Coeffs

Spike Coeffs

A

B 1.31488e-4

C -6.26087e-2

Rho .999991

Type Linear

Calibrated

Accepted

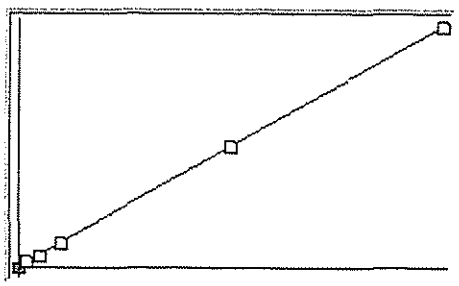
Accept

Include S1 Rep 1 2 3 4 5

µ Abs.
76409

Accepted

New



06-Oct-06 13:13 Conc. 10.0

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	.00000	-.009	-.009	412	27	411	384	439
02	.20000	.197	-.003	1975	1.73%	2006	1979	1938
03	.50000	.490	-.010	4203	0.71%	4177	4235	4195
04	1.0000	1.01	.006	8129	0.26%	8126	8110	8152
05	5.0000	5.03	.031	38738	0.32%	38879	38649	38688
06	10.000	9.98	-.016	76410	0.31%	76254	76294	76679

Ready CAP NUM

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 1	12:09:19 06 Oct 06	HG		
Hg	.000	ppb	1146					
*** Standard: 1 Rep: 1				Seq: 2	12:18:08 06 Oct 06	HG		
Hg	.000	ppb	411					
*** Standard: 1 Rep: 2				Seq: 3	12:21:06 06 Oct 06	HG		
Hg	.000	ppb	384					
*** Standard: 1 Rep: 3				Seq: 4	12:23:42 06 Oct 06	HG		
Hg	.000	ppb	439					
*** Standard: 2 Rep: 1				Seq: 5	12:27:10 06 Oct 06	HG		
Hg	.200	ppb	2006					
*** Standard: 2 Rep: 2				Seq: 6	12:30:34 06 Oct 06	HG		
Hg	.200	ppb	1979					
*** Standard: 2 Rep: 3				Seq: 7	12:33:08 06 Oct 06	HG		
Hg	.200	ppb	1938					
*** Standard: 3 Rep: 1				Seq: 8	12:35:42 06 Oct 06	HG		
Hg	.500	ppb	4177					
*** Standard: 3 Rep: 2				Seq: 9	12:38:38 06 Oct 06	HG		
Hg	.500	ppb	4235					
*** Standard: 3 Rep: 3				Seq: 10	12:41:42 06 Oct 06	HG		
Hg	.500	ppb	4195					
*** Standard: 4 Rep: 1				Seq: 11	12:44:31 06 Oct 06	HG		
Hg	1.00	ppb	8125					
*** Standard: 4 Rep: 2				Seq: 12	12:47:31 06 Oct 06	HG		
Hg	1.00	ppb	8110					
*** Standard: 4 Rep: 3				Seq: 13	12:50:35 06 Oct 06	HG		
Hg	1.00	ppb	8152					
*** Standard: 5 Rep: 1				Seq: 14	12:53:39 06 Oct 06	HG		
Hg	5.00	ppb	38879					
*** Standard: 5 Rep: 2				Seq: 15	12:56:37 06 Oct 06	HG		
Hg	5.00	ppb	38649					

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Standard: 5 Rep: 3              Seq:  16      13:00:02 06 Oct 06   HG

Hg    5.00    ppb      38688

*** Standard: 6 Rep: 1              Seq:  17      13:02:40 06 Oct 06   HG

Hg    10.0    ppb      76254

*** Standard: 6 Rep: 2              Seq:  18      13:05:17 06 Oct 06   HG

Hg    10.0    ppb      76294

*** Standard: 6 Rep: 3              Seq:  19      13:08:12 06 Oct 06   HG

Hg    10.0    ppb      76679

*** Check Standard: 2  Ck2 ICV      Seq:  20      13:16:32 06 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          103.     3.10    3.00  ppb         .000

*** Check Standard: 3  Ck3 ICB      Seq:  21      13:19:18 06 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -55.0    -.028    .050  ppb         .000

*** Check Standard: 4  Ck4 CRA      Seq:  22      13:21:51 06 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          101.     .202    .200  ppb         .000

*** Check Standard: 5  Ck5 CCV      Seq:  23      13:24:46 06 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          102.     5.12    5.00  ppb         .000

*** Check Standard: 6  Ck6 CCB      Seq:  24      13:27:45 06 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -55.5    -.028    .050  ppb         .000

*** Sample ID: BLK94147              Seq:  25      13:30:45 06 Oct 06   HG

Hg   -.011    ppb       .000     -.011

*** Sample ID: BKS94147              Seq:  26      13:33:27 06 Oct 06   HG

Hg    .986    ppb       .000      .986

*** Sample ID: S 609100-0            Seq:  27      13:37:01 06 Oct 06   HG
                            02-076-1/1
Hg   -.003    ppb       .000     -.003

*** Sample ID: S 609100-0            Seq:  28      13:40:04 06 Oct 06   HG
                            03-078-1/1
Hg   -.004    ppb       .000     -.004

*** Sample ID: S 609100-0            Seq:  29      13:42:37 06 Oct 06   HG
                            05-077-1/1
Hg   -.002    ppb       .000     -.002

*** Sample ID: S 609119-0            Seq:  30      13:45:11 06 Oct 06   HG
                            02-034-1/1
Hg    .010    ppb       .000      .010
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: S 609119-0            Seq:  31     13:47:46 06 Oct 06   HG
                            04-035-1/1
Hg   -.006    ppb       .000     -.006

*** Sample ID: S 609119-0            Seq:  32     13:50:20 06 Oct 06   HG
                            09-036-1/1
Hg    .023    ppb       .000      .023

*** Sample ID: S 609130-0            Seq:  33     13:52:56 06 Oct 06   HG
                            02-009-1/1
Hg   -.013    ppb       .000     -.013

*** Sample ID: S 609130-0            Seq:  34     13:55:35 06 Oct 06   HG
                            03-010-1/1
Hg    .001    ppb       .000      .001

*** Check Standard: 5  Ck5 CCV       Seq:  35     13:58:14 06 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          103.     5.14    5.00   ppb        .000

*** Check Standard: 6  Ck6 CCB       Seq:  36     14:01:13 06 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -62.6    -.031    .050   ppb        .000

*** Sample ID: S 609135-0            Seq:  37     14:03:50 06 Oct 06   HG
                            02-026-1/1
Hg    .032    ppb       .000      .032

*** Sample ID: S 609135-0            Seq:  38     14:06:26 06 Oct 06   HG
                            06-024-1/1
Hg    .000    ppb       .000      .000

*** Sample ID: S 609135-0            Seq:  39     14:09:23 06 Oct 06   HG
                            07-025-1/1
Hg    .002    ppb       .000      .002

*** Sample ID: S 609110-0            Seq:  40     14:12:20 06 Oct 06   HG
                            02-021-1/1
Hg    .374    ppb       .000      .374

*** Sample ID: S 609110-0            Seq:  41     14:15:14 06 Oct 06   HG
                            03-022-1/1
Hg    .033    ppb       .000      .033

*** Sample ID: S 609110-0            Seq:  42     14:18:20 06 Oct 06   HG
                            04-023-1/1
Hg    .004    ppb       .000      .004

*** Sample ID: S 609110-0            Seq:  43     14:20:56 06 Oct 06   HG
                            05-024-1/1
Hg   -.004    ppb       .000     -.004

*** Sample ID: S 609110-0            Seq:  44     14:24:00 06 Oct 06   HG
                            06-025-1/1
Hg   -.003    ppb       .000     -.003

*** Sample ID: S 609110-0            Seq:  45     14:27:14 06 Oct 06   HG
                            07-026-1/1
Hg   -.004    ppb       .000     -.004
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: SP609110-0            Seq:  46     14:29:59 06 Oct 06   HG
                            07-026-1/1
Hg    .987    ppb       .000      .987

*** Check Standard: 5  Ck5 CCV      Seq:  47     14:32:38 06 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          103.     5.16    5.00  ppb         .000

*** Check Standard: 6  Ck6 CCB      Seq:  48     14:35:43 06 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -66.6    -.033    .050  ppb         .000

*** Sample ID: SD609110-0            Seq:  49     14:38:21 06 Oct 06   HG
                            07-026-1/1
Hg    .987    ppb       .000      .987

*** Sample ID: BLK94148              Seq:  50     14:41:05 06 Oct 06   HG

Hg   -.010    ppb       .000     -.010

*** Sample ID: BKS94148              Seq:  51     14:43:42 06 Oct 06   HG

Hg    1.03    ppb       .000      1.03

*** Sample ID: S 609117-0            Seq:  52     14:46:26 06 Oct 06   HG
                            01-001-1/1
Hg   -.013    ppb       .000     -.013

*** Sample ID: S 609117-0            Seq:  53     14:49:00 06 Oct 06   HG
                            02-002-1/1
Hg   -.005    ppb       .000     -.005

*** Sample ID: S 609117-0            Seq:  54     14:51:45 06 Oct 06   HG
                            03-003-1/1
Hg   -.008    ppb       .000     -.008

*** Sample ID: S 609117-0            Seq:  55     14:54:20 06 Oct 06   HG
                            04-004-1/3
Hg    .001    ppb       .000      .001

*** Sample ID: S 609117-0            Seq:  56     14:57:24 06 Oct 06   HG
                            05-007-1/1
Hg   -.006    ppb       .000     -.006

*** Sample ID: S 609117-0            Seq:  57     15:00:00 06 Oct 06   HG
                            06-008-1/1
Hg    .005    ppb       .000      .005

*** Sample ID: S 609117-0            Seq:  58     15:02:36 06 Oct 06   HG
                            07-009-1/1
Hg    .004    ppb       .000      .004

*** Check Standard: 5  Ck5 CCV      Seq:  59     15:05:11 06 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          104.     5.22    5.00  ppb         .000

*** Check Standard: 6  Ck6 CCB      Seq:  60     15:07:46 06 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -173.    -.087    .050  ppb         .000
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: S 609117-0            Seq:  61     15:10:25 06 Oct 06   HG
                            08-010-1/1
Hg   -.003    ppb       .000     -.003

*** Sample ID: S 609118-0            Seq:  62     15:13:00 06 Oct 06   HG
                            01-039-1/3
Hg   -.001    ppb       .000     -.001

*** Sample ID: SP609118-0            Seq:  63     15:15:35 06 Oct 06   HG
                            01-039-1/3
Hg    1.02    ppb       .000      1.02

*** Sample ID: SD609118-0            Seq:  64     15:18:09 06 Oct 06   HG
                            01-039-1/3
Hg    .990    ppb       .000      .990

*** Sample ID: S 609118-0            Seq:  65     15:20:59 06 Oct 06   HG
                            02-009-1/1
Hg   -.014    ppb       .000     -.014

*** Sample ID: S 609118-0            Seq:  66     15:24:15 06 Oct 06   HG
                            03-010-1/1
Hg    .004    ppb       .000      .004

*** Sample ID: S 609118-0            Seq:  67     15:27:03 06 Oct 06   HG
                            04-025-1/1
Hg   -.001    ppb       .000     -.001

*** Sample ID: S 609118-0            Seq:  68     15:29:37 06 Oct 06   HG
                            05-011-1/1
Hg    .000    ppb       .000      .000

*** Sample ID: S 609118-0            Seq:  69     15:33:07 06 Oct 06   HG
                            06-012-1/1
Hg    .003    ppb       .000      .003

*** Sample ID: S 609146-0            Seq:  70     15:35:42 06 Oct 06   HG
                            01-007-1/2
Hg    .059    ppb       .000      .059

*** Check Standard: 5  Ck5 CCV       Seq:  71     15:38:17 06 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          105.     5.23    5.00   ppb        .000

*** Check Standard: 6  Ck6 CCB       Seq:  72     15:41:11 06 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -106.    -.053    .050   ppb        .000

*** Sample ID: SP609146-0            Seq:  73     15:44:21 06 Oct 06   HG
                            01-007-1/2
Hg    1.05    ppb       .000      1.05

*** Sample ID: SD609146-0            Seq:  74     15:46:59 06 Oct 06   HG
                            01-007-1/2
Hg    1.04    ppb       .000      1.04

*** Sample ID: S B061005             Seq:  75     15:49:45 06 Oct 06   HG
                            BE-2 DI
Hg   -.019    ppb       .000     -.019
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID:                          Seq:  76     15:52:20 06 Oct 06   HG

Hg   -.008    ppb       .000     -.008

*** Sample ID: BKS94149                 Seq:  77     15:59:57 06 Oct 06   HG

Hg    1.01    ppb       .000      1.01

*** Sample ID: S 609121-0               Seq:  78     16:02:42 06 Oct 06   HG
                              01-005-1/1
Hg   -.006    ppb       .000     -.006

*** Sample ID: S 609122-0               Seq:  79     16:05:22 06 Oct 06   HG
                              02-011-1/1
Hg    .021    ppb       .000      .021

*** Sample ID: S 609122-0               Seq:  80     16:08:41 06 Oct 06   HG
                              03-012-1/1
Hg    .019    ppb       .000      .019

*** Sample ID: S 609122-0               Seq:  81     16:11:59 06 Oct 06   HG
                              04-013-1/1
Hg    .227    ppb       .000      .227

*** Sample ID: S 609123-0               Seq:  82     16:14:33 06 Oct 06   HG
                              01-005-1/1
Hg    .009    ppb       .000      .009

*** Check Standard: 5  Ck5 CCV          Seq:  83     16:17:08 06 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          102.     5.11    5.00  ppb         .000

*** Check Standard: 6  Ck6 CCB          Seq:  84     16:19:43 06 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -188.    -.094    .050  ppb         .000

*** Sample ID: S 609124-0               Seq:  85     16:22:30 06 Oct 06   HG
                              01-005-1/1
Hg   -.005    ppb       .000     -.005

*** Sample ID: D 609124-0               Seq:  86     16:25:07 06 Oct 06   HG
                              01-005-1/1
Hg   -.003    ppb       .000     -.003

*** Sample ID: SP609124-0               Seq:  87     16:27:54 06 Oct 06   HG
                              01-005-1/1
Hg    .952    ppb       .000      .952

*** Sample ID: SD609124-0               Seq:  88     16:30:45 06 Oct 06   HG
                              01-005-1/1
Hg    .937    ppb       .000      .937

*** Check Standard: 5  Ck5 CCV          Seq:  89     16:33:24 06 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          101.     5.04    5.00  ppb         .000

*** Check Standard: 6  Ck6 CCB          Seq:  90     16:36:03 06 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -431.    -.215    .050  ppb         .000
```

RA 11-21

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: S IDL-1                Seq:  91     16:39:30 06 Oct 06   HG

Hg    .141    ppb       .000      .141

*** Sample ID: S IDL-2                Seq:  92     16:42:05 06 Oct 06   HG

Hg    .095    ppb       .000      .095

*** Check Standard: 5  Ck5 CCV        Seq:  93     16:50:05 06 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          95.5     4.78    5.00  ppb         .000

*** Check Standard: 6  Ck6 CCB        Seq:  94     16:53:11 06 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -70.5    -.035    .050  ppb         .000

*** Sample ID: S 609124-0             Seq:  95     16:56:47 06 Oct 06   HG
                            01-005-1/1
Hg   -.019    ppb       .000     -.019

*** Sample ID: D 609124-0             Seq:  96     16:59:22 06 Oct 06   HG
                            01-005-1/1
Hg    .002    ppb       .000      .002

*** Sample ID: SP609124-0             Seq:  97     17:01:58 06 Oct 06   HG
                            01-005-1/1
Hg    .865    ppb       .000      .865

*** Sample ID: SD609124-0             Seq:  98     17:04:34 06 Oct 06   HG
                            01-005-1/1
Hg    .879    ppb       .000      .879

*** Check Standard: 5  Ck5 CCV        Seq:  99     17:07:40 06 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          98.5     4.93    5.00  ppb         .000

*** Check Standard: 6  Ck6 CCB        Seq:  100    17:10:54 06 Oct 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -65.8    -.033    .050  ppb         .000

*** Sample ID: S IDL-1                Seq:  101    17:13:38 06 Oct 06   HG

Hg    .091    ppb       .000      .091

*** Sample ID: S IDL-2                Seq:  102    17:16:43 06 Oct 06   HG

Hg    .083    ppb       .000      .083

*** Sample ID: S IDL-3                Seq:  103    17:19:44 06 Oct 06   HG

Hg    .090    ppb       .000      .090

*** Sample ID: S IDL-4                Seq:  104    17:23:29 06 Oct 06   HG

Hg    .097    ppb       .000      .097

*** Sample ID: S IDL-5                Seq:  105    17:26:16 06 Oct 06   HG

Hg    .080    ppb       .000      .080
```

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: S IDL-6 Seq: 106 17:28:52 06 Oct 06 HG

Hg	.074	ppb	.000	.074

*** Sample ID: S IDL-7 Seq: 107 17:31:29 06 Oct 06 HG

Hg	.077	ppb	.000	.077

*** Check Standard: 5 Ck5 CCV Seq: 108 17:34:04 06 Oct 06 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		96.3	4.82	5.00	ppb	.000

*** Check Standard: 6 Ck6 CCB Seq: 109 17:36:59 06 Oct 06 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg	L	-80.0	-.040	.050	ppb	.000

*** Sample ID: S DIGWASTE Seq: 110 17:39:34 06 Oct 06 HG
#1 DF=10

Hg	-.022	ppb	.000	-.022

*** Sample ID: S DIGWASTE Seq: 111 17:42:09 06 Oct 06 HG
#2 DF=10

Hg	.667	ppb	.000	.667

*** Check Standard: 4 Ck4 CRA Seq: 112 17:54:13 06 Oct 06 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		94.7	.189	.200	ppb	.000

*** Check Standard: 5 Ck5 CCV Seq: 113 17:56:49 06 Oct 06 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		96.8	4.84	5.00	ppb	.000

*** Check Standard: 6 Ck6 CCB Seq: 114 19:18:47 06 Oct 06 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg	L	-111.	-.055	.050	ppb	.000

Metals Preparation & Sample Description Log

Date: 09-25-06 Prep: 200.7 / 3005A / 3020A / 3050B / 3010A / ILC03.1 / ILM04.1 / ILM05.3 Batch No: 180- 147

Analyst: HU Comments: HOT PLATE DIGESTION (Water)

Reviewed by: RA Date: 9-27-06 Spike Witness: ~~Sam~~ 9.25.06 Pep. Seq: 93940

	GPL Work Order No.	Sample	Frac	Size (mL) (g)	Final Vol. (mL)	Matrix S, W Other	Color Before R, Bl, Y, G, O, V, W Colorless, Br, Grey, Bk	Color After	Clarity Before or Soil Texture	Clarity After Clear, Cloudy, Opaque	Soil Artifacts or Water pH
1	BLK	147		100	100	Water	colorless	colorless	clear	clear	6
2	BKS	147									
3	609118	001	-039-1/3								
4		MS									
5		MSD									
6		002	-009-1/1								
7		003	-010-1/1								
8		004	-025-1/1								
9		005	-011-1/1								
10		006	-012-1/1								
11		007	-026-1/1								
12	609112	001	-017-1/1								
13		002	-018-1/1								
14		003	-019-1/1								
15		004	-020-1/1				grey	yellow			
16		005	-027-1/1				grey				
17											
18											
19											
20											
21											
22											
23											
24											

9-25-06

MH

LCS ID/ Amt. Added (ml ,g) : 0.1 ml (37361, 37362, 37363)	HNO3(1+1) ID:
Spiking ID / Amt. Added (ml) : 0.1 ml (37361, 37362, 37363)	HNO3(conc) ID: GP-129-08-11
6ML Nitric CNC, 10ML 1:1 HCL	HCl(conc) ID:
Temperature, C: 94°C	HCl(1+1) ID: GP 057-110-10
Camp Adair - Appendix F - Analytical Report	Peroxide ID: 4732

Mercury Digestion Log

Method: 7470A / 7471A / 245.1 / ILM04.1 / ILM05.2 / ILM05.3 Batch No: 183- 1 of 4

Digestion Date: 10-5-06 Analyst: DTA

Reviewed By / Date: KC 6/Oct/2006

GPL Workorder	Frac	Client ID	Matrix	SIZE mL / g	VOL (mL)	Spk.A. (mL)	KMnO4 (mL)
		S0	W	100	100	0	15.0
		S0.2	↓			0.200	
		S0.5	↓			0.500	
		S1.0	↓			1.000	
		S5.0	↓			5.00	
		S10.0	↓			10.0	
		ICV	↓			0.300	
		ICB/CCB	↓			0	
		CRA	↓			0.200	
		CCV	↓			5.00	
		MDL check/IDL	↓			0.100	

50% Aqua regia:	~~129-121~~ BMW-8-01	Spiking Solution Conc:	0.1 PPM Hg
HNO3:	129-08-09	Std/CRA/BKS/Spk:	38297
H2SO4:	129-07-12	(2nd source) ICV:	38097
KMnO4:	129-121-04 (NEW)	H2O Bath Temp: ~~78~~ 95°C	In Time: 1819
K2S2O8:	129-122-3	H2O Bath Temp: 95°C	Out Time: 2020
NH2OH*HCl:	129-123-3	H2O Bath Temp: 95°C	In Time:
Comments:		H2O Bath Temp: 95°C	Out Time:

Mercury Digestion Log

Method: 7470A / 7471A / 245.1 / ILM04.1 / ILM05.2 / ILM05.3 Batch No: 183- 2 of 4

Digestion Date: 10-5-06 Analyst: DH

Reviewed By / Date: fc 6/Oct/2006

GPL Workorder	Frac	Client ID	Matrix	SIZE mL / g	VOL (mL)	Spk.A. (mL)	KMnO4 (mL)
		BLK 94147	W	100	100	0	15.0
		BKS 94147				1.0	
609100-002	076-1/1					0	
3	078						
5	077						
609119-002	034-1/1						
004	035-1/1						
009	036-1/1						
609130-002	009-1/1						
609130-003	010-1/1						
~~4~~	~~035-1/1~~						
609135-002	026-1/1						
~~006~~	~~024-1/1~~	10-5-06					
007	025-1/1						
609110-002	021-1/1						
3	022						
4	023						
5	024						
6	025						
7	026-1/1						
78	10-5-06	MS				1.0	
79		MSD				1.0	
80							

50% Aqua regia:		Spiking Solution Conc:	0.1 PPM Hg
HNO3:	129.03.09	Std/CRA/BKS/Spk:	38297
H2SO4:	129-07-12	(2nd source) ICV:	38097
KMnO4:	129-121-04	H2O Bath Temp:	In Time: 1819
K2S2O8:	129-122-3	H2O Bath Temp:	Out Time: 2020
NH2OH*HCl:	129-123-3	H2O Bath Temp:	In Time:
Comments:		H2O Bath Temp:	Out Time:

Mercury Digestion Log

Method: 7470A / 7471A / 245.1 / ILM04.1 / ILM05.2 / ILM05.3 Batch No: 183- 3 of 4

Digestion Date: 10-5-06 Analyst: DH

Reviewed By / Date: [illegible] 10/06/2006

GPL Workorder	Frac	Client ID	Matrix	SIZE mL / g	VOL (mL)	Spk.A. (mL)	KMnO4 (mL)
		BLK 94148	W	100	100	0	15.0
		BKS 94148				1.0	
609117-001	001-1/1					0	
2	2-1/1						
3	3-1/1						
4	4-1/3						
5	007-1/1	DH 10-5-06					
6	008-1/1	DH 10-5-06					
7	009-1/1	DH 10-5-06					
8	010-1/1	DH 10-5-06					
609118-001	039-1/3						
		MS				1.0	
		MSD				1.0	
2	009-1/1					0	
3	010-1/1						
4	025-1/1						
5	011-1/1						
6	012-1/1						
609146-001	007-1/2			10.0			
		MS				1.0	
		MSD				1.0	
B061005		BE2 DI BLK				0	

50% Aqua regia:		Spiking Solution Conc:	0.1 PPM Hg
HNO3:	129-08-09	Std/CRA/BKS/Spk:	38297
H2SO4:	129-07-12	(2nd source) ICV:	38097
KMnO4:	129-121-04	H2O Bath Temp:	In Time: 1819
K2S2O8:	129-122-03	H2O Bath Temp:	Out Time: 2020
NH2OH*HCl:	129-123-03	H2O Bath Temp:	In Time:
Comments:		H2O Bath Temp:	Out Time:

Mercury Digestion Log

Method: 7470A / 7471A / 245.1 / ILM04.1 / ILM05.2 / ILM05.3 Batch No: 183- 4 of 4

Digestion Date: 10-5-06 Analyst: DH

Reviewed By / Date: KC 6/OCT/2006

GPL Workorder	Frac	Client ID	Matrix	SIZE mL / g	VOL (mL)	Spk.A. (mL)	KMnO4 (mL)
		BLK 94149	W	100	100	0	15.0
		BKS 94149				1.0	
609121-001	005-1/1					0	
122-002	011-1/1						
3	012						
4	013						
123-001	005						
124-001	005						
		DUP					
		SPK				1.0	
		MSD				1.0	

50% Aqua regia:		Spiking Solution Conc:	0.1 PPM Hg
HNO3:	129-03-09	Std/CRA/BKS/Spk:	38297
H2SO4:	129-07-12	(2nd source) ICV:	38097
KMnO4:	129-121-04	H2O Bath Temp: 95°C	In Time: 1819
K2S2O8:		H2O Bath Temp: 95°C	Out Time: 2020
NH2OH*HCl:	129-123-03	H2O Bath Temp:	In Time:
Comments:		H2O Bath Temp:	Out Time:

SUBCONTRACT DATA

GPL Laboratories

DATA CHEM LABORATORIES
A Sorenson Company

609118

COVER PAGE

ANALYTICAL REPORT FOR
GPL Laboratories

Phone(801) 525-0456 Fax(801) 525-0457
E-mail: mikesellts@earthlink.net

OCT 0 6 2006

Form COVER-V1.4
10050611343436

G068T018

DCL Report Group..: 06E-0621-01

Date Printed.....: 05-OCT-06 11:34

Project Protocol #: P04BG001
Client Ref Number.: Shaw-FUDS MMRP-Sit
Release Number....: Shaw-FUDS MMRP-Sit

Analysis Method(s): LC-MS-CL04

GPL Laboratories
Attention: Tim Mikesell
7210A Corporate CT.
Frederick, MD 21703

Client Sample Name	Laboratory Sample Name	Date Sampled	Date Received
Method Blank	BL-251105-1	NA	NA
LCS	QC-251105-1	NA	NA
NWO0173005|609118001042	06E04461	20-SEP-06	26-SEP-06
NWO0173005|609118001042	06E04461MS	20-SEP-06	26-SEP-06
NWO0173005|609118001042	06E04461MSD	20-SEP-06	26-SEP-06
NWO0173006|609118002013	06E04462	19-SEP-06	26-SEP-06
NWO0173007|609118003016	06E04463	19-SEP-06	26-SEP-06
NWO0176002|609118004027	06E04464	19-SEP-06	26-SEP-06
NWO0173011|609118005019	06E04465	20-SEP-06	26-SEP-06
NWO0173011FD|609118006022	06E04466	20-SEP-06	26-SEP-06
NWO0173001|609118007030	06E04467	20-SEP-06	26-SEP-06

Analyst: Thomas T McKay — Date: 10/05/06

Reviewer: Penny A. Foote — Date: 5-Oct-2006

Lab Supervisor: Richard W. Wade — Date: 10/6/06

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Phone (801) 266-7700 Web Page: www.datachem.com
FAX (801) 268-9992 E-mail: lab@datachem.com

DCL Report Group..: 06E-0621-01
Date Printed.....: 05-OCT-06 11:34

Client Name...: GPL Laboratories

Release Number....: Shaw-FUDS MMRP-Sit

General Information

The DCL QC Database maintains all numerical figures which are input from the pertinent data source. These data have not been rounded to significant figures nor have they been moisture corrected. Reports generated from the system, however, list data which have been rounded to the number of significant figures requested by the client or deemed appropriate for the method. This may create minor discrepancies between data which appear on the QC Summary Forms (Forms B-G) and those that would be calculated from rounded analytical results. Additionally, if a moisture correction is performed, differences will be observed between the QC data and the surrogate data reported on Form A (or other report forms) and corresponding data reported on QC Summary Forms. In these cases, the Form A will indicate the "Report Basis" as well as the moisture value used for making the correction.

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Report generation options: BX

Result Symbol Definitions

ND - Not Detected above the MDL (LLD or MDC for radiochemistry).
** - No result could be reported, see sample comments for details.

Qualifier Symbol Definitions

U - Not Detected above the MDL (LLD or MDC for radiochemistry).
B - For organic analyses the qualifier indicates that this analyte was found in the method blank. For inorganic analyses the qualifier signifies the value is between the MDL and PQL.
J - For organic analyses the qualifier indicates that the value is between the MDL and the PQL. It is also used for indicating an estimated value for tentatively identified compounds in mass spectrometry where a 1:1 response is assumed.

QC Flag Symbol Definitions

* - Parameter outside of specified QC limits.

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.4
10050611343436
Page 3

S068T03C

Date Printed.....: 05-OCT-06 11:34

Client Name.....: GPL Laboratories
Client Ref Number....: Shaw-FUDS MMRP-Site 017
Sampling Site.....: 609118/07262006
Release Number.....: Shaw-FUDS MMRP-Site 0

Date Received.....: 26-SEP-06 00:00

Client Sample Name: **NWO0173005|609118001042**
DCL Sample Name...: **06E04461**
DCL Report Group..: **06E-0621-01**

Matrix.....: WATER
Date Sampled.....: 20-SEP-06 11:55
Reporting Units...: ug/L
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: 02-OCT-06 00:00
Preparation Method...: PerchlorateLCMS
Aliquot Weight/Volume: Not Applicable
Net Weight/Volume....: Not Required

DCL Analysis Group: G069101H
Analysis Method...: LC-MS-CLO4
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPXP
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Perchlorate	02-OCT-06 17:09	0.0612	ND		U	1	0.200

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.4
10050611343436
Page 4

S068T03G

Date Printed.....: 05-OCT-06 11:34

Client Name.....: GPL Laboratories
Client Ref Number....: Shaw-FUDS MMRP-Site 017
Sampling Site.....: 609118/07262006
Release Number.....: Shaw-FUDS MMRP-Site 0

Date Received.....: 26-SEP-06 00:00

Client Sample Name: **NWO0173006|609118002013**
DCL Sample Name...: **06E04462**
DCL Report Group..: **06E-0621-01**

Matrix.....: WATER
Date Sampled.....: 19-SEP-06 15:30
Reporting Units...: ug/L
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: 02-OCT-06 00:00
Preparation Method...: PerchlorateLCMS
Aliquot Weight/Volume: Not Applicable
Net Weight/Volume....: Not Required

DCL Analysis Group: G069101H
Analysis Method...: LC-MS-CLO4
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPXP
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Perchlorate	02-OCT-06 18:58	0.0612	ND		U	1	0.200

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.4
10050611343436
Page 5

S068T03H

Date Printed.....: 05-OCT-06 11:34

Client Name.....: GPL Laboratories
Client Ref Number....: Shaw-FUDS MMRP-Site 017
Sampling Site.....: 609118/07262006
Release Number.....: Shaw-FUDS MMRP-Site 0

Date Received.....: 26-SEP-06 00:00

Client Sample Name: **NWO0173007|609118003016**
DCL Sample Name...: **06E04463**
DCL Report Group..: **06E-0621-01**

Matrix.....: WATER
Date Sampled.....: 19-SEP-06 11:35
Reporting Units...: ug/L
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: 02-OCT-06 00:00
Preparation Method...: PerchlorateLCMS
Aliquot Weight/Volume: Not Applicable
Net Weight/Volume....: Not Required

DCL Analysis Group: G069101H
Analysis Method...: LC-MS-CLO4
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPXP
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Perchlorate	02-OCT-06 19:19	0.0612	ND		U	1	0.200

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.4
10050611343436
Page 6

S068T03J

Date Printed.....: 05-OCT-06 11:34

Client Name.....: GPL Laboratories
Client Ref Number....: Shaw-FUDS MMRP-Site 017
Sampling Site.....: 609118/07262006
Release Number.....: Shaw-FUDS MMRP-Site 0

Date Received.....: 26-SEP-06 00:00

Client Sample Name: NWO0176002|609118004027
DCL Sample Name...: 06E04464
DCL Report Group..: 06E-0621-01

Matrix.....: WATER
Date Sampled.....: 19-SEP-06 18:25
Reporting Units...: ug/L
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: 02-OCT-06 00:00
Preparation Method...: PerchlorateLCMS
Aliquot Weight/Volume: Not Applicable
Net Weight/Volume....: Not Required

DCL Analysis Group: G069101H
Analysis Method...: LC-MS-CLO4
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPXP
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Perchlorate	02-OCT-06 19:41	0.0612	ND		U	1	0.200

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.4
10050611343436
Page 7

S068T03K

Date Printed.....: 05-OCT-06 11:34

Client Name.....: GPL Laboratories
Client Ref Number....: Shaw-FUDS MMRP-Site 017
Sampling Site.....: 609118/07262006
Release Number.....: Shaw-FUDS MMRP-Site 0

Date Received.....: 26-SEP-06 00:00

Client Sample Name: **NWO0173011|609118005019**
DCL Sample Name...: **06E04465**
DCL Report Group..: **06E-0621-01**

Matrix.....: WATER
Date Sampled.....: 20-SEP-06 16:00
Reporting Units...: ug/L
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: 02-OCT-06 00:00
Preparation Method...: PerchlorateLCMS
Aliquot Weight/Volume: Not Applicable
Net Weight/Volume....: Not Required

DCL Analysis Group: G069101H
Analysis Method...: LC-MS-CLO4
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPXP
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Perchlorate	02-OCT-06 20:02	0.0612	ND		U	1	0.200

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.4
10050611343436
Page 8

S068T03L

Date Printed.....: 05-OCT-06 11:34

Client Name.....: GPL Laboratories
Client Ref Number....: Shaw-FUDS MMRP-Site 017
Sampling Site.....: 609118/07262006
Release Number.....: Shaw-FUDS MMRP-Site 0

Date Received.....: 26-SEP-06 00:00

Client Sample Name: NW00173011FD|609118006022
DCL Sample Name...: 06E04466
DCL Report Group..: 06E-0621-01

Matrix.....: WATER
Date Sampled.....: 20-SEP-06 16:00
Reporting Units...: ug/L
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: 02-OCT-06 00:00
Preparation Method...: PerchlorateLCMS
Aliquot Weight/Volume: Not Applicable
Net Weight/Volume....: Not Required

DCL Analysis Group: G069101H
Analysis Method...: LC-MS-CLO4
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPXP
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Perchlorate	02-OCT-06 20:24	0.0612	ND		U	1	0.200

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.4
10050611343436
Page 9

S068T03M

Date Printed.....: 05-OCT-06 11:34

Client Name.....: GPL Laboratories
Client Ref Number....: Shaw-FUDS MMRP-Site 017
Sampling Site.....: 609118/07262006
Release Number.....: Shaw-FUDS MMRP-Site 0

Date Received.....: 26-SEP-06 00:00

Client Sample Name: **MWO0173001|609118007030**
DCL Sample Name...: **06E04467**
DCL Report Group..: **06E-0621-01**

Matrix.....: WATER
Date Sampled.....: 20-SEP-06 18:00
Reporting Units...: ug/L
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: 02-OCT-06 00:00
Preparation Method...: PerchlorateLCMS
Aliquot Weight/Volume: Not Applicable
Net Weight/Volume....: Not Required

DCL Analysis Group: G069101H
Analysis Method...: LC-MS-CLO4
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPXP
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Perchlorate	02-OCT-06 20:45	0.0612	ND		U	1	0.200

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DATA CHEM LABORATORIES
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FORM B (TYPE I)
SINGLE METHOD ANALYSES

QUALITY CONTROL DATA SHEET
LABORATORY CONTROL SAMPLE (LCS)

Form RLIMS63B-V1.4
10050611343436
Page 10

S069101B

Client Name.....: GPL Laboratories
Release Number.....: Shaw-FUDS MMRP-Site 0

Matrix.....: WATER
Reporting Units.....: ug/L

DCL Preparation Group: Not Applicable
Date Prepared.....: 02-OCT-06 00:00
Preparation Method...: PerchlorateLCMS

DCL Sample Name...: QC-251105-1
Date Printed.....: 05-OCT-06 11:34

DCL Analysis Group: G069101H
Analysis Method...: CLO4-LC/MS
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPXP
☒ Primary
☐ Confirmation

QC Limit Type.....: Method

Analytical Results

Analyte	Date Analyzed	Target	Result	Percent Recovery	QC Limits	QC Flag
Perchlorate	02-OCT-06 16:48	1.00	1.11	111.	85.0/115.	

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DATA CHEM LABORATORIES
A Sorenson Company

FORM C (TYPE I)
SINGLE METHOD ANALYSES

QUALITY CONTROL DATA SHEET
BLANK SAMPLE

Form RLIMS63C-V1.4
10050611343436
Page 11

S0691019

Client Name.....: GPL Laboratories
Release Number.....: Shaw-FUDS MMRP-Site 0

Matrix.....: WATER
Reporting Units.....: ug/L

DCL Preparation Group: Not Applicable
Date Prepared.....: 02-OCT-06 00:00
Preparation Method...: PerchlorateLCMS

DCL Sample Name...: BL-251105-1
Date Printed.....: 05-OCT-06 11:34

DCL Analysis Group: G069101H
Analysis Method...: LC-MS-CLO4
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPXP
☒ Primary
☐ Confirmation

QC Limit Type.....: Method

Analytical Results

Analyte	Date Analyzed	Result	MDL	CRDL
Perchlorate	02-OCT-06 16:26	ND	0.0612	0.200

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FAX (801) 268-9992
Web Page: www.datachem.com
E-mail: lab@datachem.com

DATA CHEM LABORATORIES
A Sorenson Company

FORM F (TYPE I)
SINGLE METHOD ANALYSES

QUALITY CONTROL DATA SHEET
MATRIX SPIKE SAMPLE
MATRIX SPIKE DUPLICATE SAMPLE

S068T03D

Client Name.....: GPL Laboratories
Release Number.....: Shaw-FUDS MMRP-Site 0

Matrix.....: WATER
Reporting Units.....: ug/L

DCL Preparation Group: Not Applicable
Date Prepared.....: 02-OCT-06 00:00
Preparation Method...: PerchlorateLCMS

DCL Sample Name...: **06E04461MS**
Date Printed.....: 05-OCT-06 11:34

DCL Analysis Group: G069101H
Analysis Method...: CLO4-LC/MS
Instrument Type...: LC/MS
Instrument ID.....: LCMS02
Column Type.....: KP-RPPXP
[X] Primary
[ ] Confirmation

QC Limit Type.....: Method

Analytical Results

Analyte	Date Analyzed	Sample Result	Spiked Result	Spike Added	Percent Recovery	QC Limits	QC Flag
Perchlorate	02-OCT-06 18:15	ND	5.17	5.00	103.	80.0/120.	

S068T03F

DCL Sample Name...: **06E04461MSD**

Analytical Results

Analyte	Date Analyzed	Duplicate Result	Percent Recovery	Mean	Range	RPD	QC Limits	QC Flag
Perchlorate	02-OCT-06 18:36	5.10	102.	5.13	0.0640	1.2	0.00/15.0	

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547
Phone (801) 266-7700
FAX (801) 268-9992
Web Page: www.datachem.com
E-mail: lab@datachem.com

GPL Laboratories

Chain of Custody Form for Subcontracted Analyses

06E-0621

GPL Laboratories
7210A Corporate CT, Frederick, MD 21703
Phone: 301 694-5310
Fax: 301 620-0731

W.O. No. : 609118
P.O. No. : "0726 2006"
Project Name : Camp Addair - Shaw FUDS MMRP
Project Number : Shaw FUDS MMRP Site -017

Samples Transferred To:
DataChem Laboratories, Inc.
960 W. Levoy Drive
Salt Lake City, UT 84123
Attn: Kevin Griffiths
Phone : (801) 904-4302
(801) 266-7700 ext 302

Lab Sample ID	Field Sample ID	Date Sampled	Time Sampled	Matrix	Analyses Required	Method	Type of Container	Preservative
609118-001-042-1/9	NWO-017-3005	20-SEP-06	11:55	WATER	Perchlorate By SW8321 R-9/12/06 DCLSOA LCMS-CL04	E314.0_EXT_NR	VOA CLEAR	COOL
609118-001-043-2/9	NWO-017-3005	20-SEP-06	11:55	WATER	Perchlorate By SW8321 06E04461	E314.0_EXT_NR	VOA CLEAR	COOL
609118-001-044-3/9	NWO-017-3005	20-SEP-06	11:55	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609118-001-045-4/9	NWO-017-3005	20-SEP-06	11:55	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609118-001-046-5/9	NWO-017-3005	20-SEP-06	11:55	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609118-001-047-6/9	NWO-017-3005	20-SEP-06	11:55	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609118-001-048-7/9	NWO-017-3005	20-SEP-06	11:55	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609118-001-049-8/9	NWO-017-3005	20-SEP-06	11:55	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609118-001-050-9/9	NWO-017-3005	20-SEP-06	11:55	WATER	Perchlorate By SW8321 06E04461	E314.0_EXT_NR	VOA CLEAR	COOL
609118-002-013-1/3	NWO-017-3006	19-SEP-06	15:30	WATER	Perchlorate By SW8321 06E04462	E314.0_EXT_NR	VOA CLEAR	COOL
609118-002-014-2/3	NWO-017-3006	19-SEP-06	15:30	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609118-002-015-3/3	NWO-017-3006	19-SEP-06	15:30	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609118-003-016-1/3	NWO-017-3007	19-SEP-06	11:35	WATER	Perchlorate By SW8321 06E04463	E314.0_EXT_NR	VOA CLEAR	COOL
609118-003-017-2/3	NWO-017-3007	19-SEP-06	11:35	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609118-003-018-3/3	NWO-017-3007	19-SEP-06	11:35	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609118-004-027-1/3	NWO-017-6002	19-SEP-06	18:25	WATER	Perchlorate By SW8321 06E04464	E314.0_EXT_NR	VOA CLEAR	COOL
609118-004-028-2/3	NWO-017-6002	19-SEP-06	18:25	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609118-004-029-3/3	NWO-017-6002	19-SEP-06	18:25	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609118-005-019-1/3	NWO-017-3011	20-SEP-06	16:00	WATER	Perchlorate By SW8321 06E04465	E314.0_EXT_NR	VOA CLEAR	COOL
609118-005-020-2/3	NWO-017-3011	20-SEP-06	16:00	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609118-005-021-3/3	NWO-017-3011	20-SEP-06	16:00	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609118-006-022-1/3	NWO-017-3011 FD	20-SEP-06	16:00	WATER	Perchlorate By SW8321 06E04466	E314.0_EXT_NR	VOA CLEAR	COOL
609118-006-023-2/3	NWO-017-3011 FD	20-SEP-06	16:00	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609118-006-024-3/3	NWO-017-3011 FD	20-SEP-06	16:00	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL

GPL Laboratories

Chain of Custody Form for Subcontracted Analyses

GPL Laboratories
7210A Corporate CT, Frederick, MD 21703
Phone: 301 694-5310
Fax: 301 620-0731

W.O. No.: 609118
P.O. No.:
Project Name: Camp Addair - Shaw FUDS MMRP
Project Number: Shaw FUDS MMRP Site -017

Samples Transferred To:
Attn:
Phone:

Lab Sample ID	Field Sample ID	Date Sampled	Time Sampled	Matrix	Analyses Required	Method	Type of Container	Preservative
609118-007-030-1/3	NWO-017-3001	20-SEP-06	18:00	WATER	Perchlorate By SW8321 DCL SOP LCMS-CL04 Rev 2 9/22/06	E314.0_EXT_NR	VOA CLEAR	COOL
609118-007-031-2/3	NWO-017-3001	20-SEP-06	18:00	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL
609118-007-032-3/3	NWO-017-3001	20-SEP-06	18:00	WATER	Perchlorate By SW8321	E314.0_EXT_NR	VOA CLEAR	COOL

Carrier: FedEx overnight Airbill No.: 7911 3025 9912

Report Due On: 10/9/06 Send Report Attn: Tim Mikesell @ above Address Perform Q.C. on Sample: NWO-017-3005

Condition Upon Receipt:

Comments: *This SDG Contains 7 samples + MS/MSD * Analyze Samples based on DCL Sop (LCMS-CL04, Rev 2) 7/12/06. Reference SOP LCMS-CL04 on all reports & Log books.

Samples Relinquished By: [signature] Date: 09/25/06 Time: 14:30 Samples Received By: Shannon Miller Date: 9/26/06 Time: 10:30

DATA CHEM LABORATORIES, INC.

Sample Tracking Documentation

DataChem Laboratories
LIMS - Sample Master System
Analysis Group Report

Date: 2-OCT-2006 14:41 Page: 1
User: MCKAY RLIMS15-V1.2

Analysis Run Name: G069101H Group ID: G069101H

Samples: 13

Pos	Laboratory Sample Name	Field Sample Name 1	Field Sample Name 2	Laboratory Sample ID	Laboratory Group Name	Accnt. Number
1	BL-251105-1	BL-251105-1		S0691019	06E-0621-01	08001
2	QC-251105-1	QC-251105-1		S069101B	06E-0621-01	08001
3	06E04461	NW00173005	609118001042	S068T03C	06E-0621-01	08001
4	06E04461MS	NW00173005	609118001042	S068T03D	06E-0621-01	08001
5	06E04461MSD	NW00173005	609118001042	S068T03F	06E-0621-01	08001
6	06E04462	NW00173006	609118002013	S068T03G	06E-0621-01	08001
7	06E04463	NW00173007	609118003016	S068T03H	06E-0621-01	08001
8	06E04464	NW00176002	609118004027	S068T03J	06E-0621-01	08001
9	06E04465	NW00173011	609118005019	S068T03K	06E-0621-01	08001
10	06E04466	NW00173011FD	609118006022	S068T03L	06E-0621-01	08001
11	06E04467	NW00173001	609118007030	S068T03M	06E-0621-01	08001
12	06E04542	609133001039	CCDPT6024383	S068W09J	06E-0631-01	08001
13	06E04543	609133004040	CCDPT6040381	S068W09K	06E-0631-01	08001

----- END OF LISTING -----

Earliest Sampling Date: 19-Sep-2006

DataChem Laboratories
CHAIN-OF-CUSTODY

Results due by: 6-Oct-2006

Project/Job/Task: P04BG001 | Split: | Root Set ID: 06E-0621 * | Reporting Group 01

Client: GPL Laboratories | Account: 08001

Comments:

Verified: Shannon Conley 26 Sep 06

Date Sampled	Field ID Number	DCL Sample Name	DCL Sample ID	QC	Matrix	Customer ID 2	Analysis: Perchlorate by LC/MS	# Bottles
20-Sep-2006	NWO0173005	06E04461			WATER	609118001042	X	3
20-Sep-2006	NWO0173005	06E04461MS		MS	WATER	609118001042	X	3
20-Sep-2006	NWO0173005	06E04461MSD		MSD	WATER	609118001042	X	3
19-Sep-2006	NWO0173006	06E04462			WATER	609118002013	X	3
19-Sep-2006	NWO0173007	06E04463			WATER	609118003016	X	3
19-Sep-2006	NWO0176002	06E04464			WATER	609118004027	X	3
20-Sep-2006	NWO0173011	06E04465			WATER	609118005019	X	3
20-Sep-2006	NWO0173011FD	06E04466			WATER	609118006022	X	3
20-Sep-2006	NWO0173001	06E04467			WATER	609118007030	X	3

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location
Walk-in/ Room/ Shelf/ Fridge R-33-1 m	10/02/06 15:00	[illegible]	QC

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep/Analysis for: _____ Lab Notebook No.: _____

Prepared/Analyzed by: _____ Date/Time: _____

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location

Check box if Temperature compliance applies

Form: COFC1.01-SWV2.30

Sample Work Order

QC Clearance: _____

Project Manager: Kevin W. Griffiths

Client: GPL Laboratories

Account: 08001 SDG:

Project/Task: P04BG001

Date Received: 26-Sep-2006

Date for Mailing Report: 6-Oct-2006

DCL Root Set ID: 06E-0621

DCL Lab. Name: 06E04461–06E04467

Total # Samples: 9

Sample Entry: Frank J Smith

Section: EO

Earliest Sampling Date: 19-Sep-2006

Preparation Type:

Rep. Group	Environmental Organic. Analytes Requested	Latest Prep. Date	Latest Anal. Date	No. of Samp.	Storage Location	Analysis/Prep. Method	Inst.	Matrix
01	Perchlorate by LC/MS		17-Oct-2006[c]	9		LC-MS-CLO4/ PerchlorateLCMS	LC/MS	WATER

[c]Based on date of collection

Special Instructions: _____

Section Manager: Richard W. Wade

Other Sections Receiving Sample Portions: None

DataChem Laboratories/ 960 West LeVoy Drive / Salt Lake City, Utah 84123

DATACHEM LABORATORIES CLIENT-RELATED INFORMATION REPORT (CRIR)

COOLER OR CONTAINER INFORMATION CHECKLIST (Fill In or Circle)

Client Name: GPL

Project Task/Site:

Date/Time of Receipt: 9/22/00 1030

Number of Coolers Received: 1

Condition of Coolers:	Acceptable/Unacceptable	Temperature Control:	Present/Not Included
Custody Seals:	Present/Absent/NA Intact/Broken/NA	Location Temp Taken:	Control/Between Samples
Tamper Evident:	Yes/No/NA	Are all temperatures within project specific guidelines?	Yes/No/NA
Ice Present:	Yes/No/NA Frozen/Melted/NA	Are all applicable pHs within specific guidelines?	Yes/No/NA

pH Check Performed:	Metals	Yes/No/NA	Total Phenolics	Yes/No/NA	NO3/NO2	Yes/No/NA
	Cyanide	Yes/No/NA	TPH – 418.1	Yes/No/NA	Oil & Grease	Yes/No/NA
	Sulfide	Yes/No/NA	COD	Yes/No/NA	Total Phosphorous	Yes/No/NA
	Ammonia	Yes/No/NA	TKN	Yes/No/NA	TOC	Yes/No/NA
Residual Chlorine Check Performed:	8270	Yes/No/NA	8310	Yes/No/NA	8330	Yes/No/NA
	8081	Yes/No/NA	8151	Yes/No/NA		

Cooler Received	DCL Cooler No.	Temp.	Cooler Received	DCL Cooler No.	Temp.	Cooler Received	DCL Cooler No.	Temp.
1	C06 - 0971	4 °C	4	C06 -	°C	7	C06 -	°C
2	C06 -	°C	5	C06 -	°C	8	C06 -	°C
3	C06 -	°C	6	C06 -	°C	9	C06 -	°C

Taken By: Shannon Cauley (Signature) Shannon Cauley (Printed Name) 2/05/2000 (Date)

CLIENT-RELATED INFORMATION

- ☐ Missing Cooler
- ☐ Cooler Conditions
- ☐ Missing Paperwork
- ☐ Missing/Incorrect Bottle Labels
- ☐ Missing Samples/Bottles
- ☐ Broken/Leaking Samples
- ☐ Incorrect Bottle Type
- ☐ Cooler Temperatures Out of Range
- ☐ Incorrect Preservation
- ☐ pH Criteria Not Met
- ☐ Residual Chlorine Present
- ☐ Head Space in Bottles
- ☐ Insufficient Sample Volume
- ☐ Chain of Custody Problems
- ☐ Other:

EPA Custody Seal:

BRIEFLY DESCRIBE THE PROBLEM AND THE ACTION TAKEN:

Faxed to Client? YES ☐ NO ☐ (if yes, attach Fax Cover Sheet)

Response Required Within 24 Hours

PROJECT MANAGEMENT

PROJECT MANAGER COMMENTS:

DCL Project Manager: _____ (Printed Name) Returned to Sample Receipt by: _____ (Signature) Date: _____

SLC/CRIR.doc Revised 1/02/04

From: Origin ID: (301)694-5310
Paul Ioannides
GPL LABORATORIES LLLP
7210A CORPORATE COURT

FREDERICK, MD 21703

CLS091408/19/23

Ship Date: 25SEP06
ActWgt: 8 LB
System#: 5939673/INET2500
Account#: S *********

REF:

Delivery Address Bar Code

SHIP TO: (801)904-4302 BILL SENDER

KEVIN GRIFFITHS
DATA CHEM LABS
960 LEVOY DRIVE

SALT LAKE CITY, UT 84123

PRIORITY OVERNIGHT

TUE
Deliver By:
26SEP06

TRK# 7911 3025 9912 FORM 0201

SLC A1

84123 -UT-US

XH BTFA

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DATA CHEM LABORATORIES, INC.

Analytical Documentation

Project No. —

TITLE 06E-0621-01; 06E-0631-01 Book No. 4438

From Page No. —

TM 10/04/06

DCL Set ID #(S):06E-0621-01; 06E-0631
DCL Sample #(S):06E04461 - 06E04467; 06E04542 - 06E04543
DCL Account #(S):08001 Group/Lot ID:G069101H
Prep Date:10/02/2006 Analysis Date:10/02/2006
Analyte: **Perchlorate** Matrix: **Water** Instrument LOD: **0.200µg/L**
Sequence: \\CLO4\OCT06\02OCTCAL.S & 02OCT.S Method: **6850**
Reported MDL: See PLIMS report Reported LOD: See PLIMS report

SAMPLE PREPARATION/ANALYSIS:

Water: All calibration standards were prepared by diluting working standard solution 260S174. The calibration levels used were: $0.2, $0.5, $1, $5, & $50 (ug/L). All DCL sample #'s agreed with field ID #'s. 9.95mL of each sample, including standards, was pipetted into a 15-mL centrifuge tube, and 50uL of an oxygen-18 labeled perchlorate solution was added as an internal standard. The samples were capped, vortexed, and filtered with Pall 0.45um Ion Chromatography Acrodiscs prior to analysis. Dilutions, if necessary, were done at the bench using pipettes.

REAGENTS: Eluent: ~20% ACN (B&J lot D0437)/~80% ASTM Type II water(DCL)/0.1% glacial acetic acid (Baker lot B14804).

STANDARDS: Internal Standard Spiking Solution 260WS94 (See book WS 260, pg 94)
Dilutions of Working Standard Solution ID 260WS174 used for CCVs (See book WS 260, pg 174).

INSTRUMENT CONDITIONS: Samples were analyzed with an Agilent 1100 LC/MSD system, in negative SIM mode, monitoring m/z 83, 85, and 89. Tuned: 07/26/2006 Tune Checked: 10/02/2006
Instrument ID: LCMS02 Run Time : 17.00 min. with 3 min. post time
Flow Rate Gradient: 0.5mL/min to 7 min., to 0.2mL/min at 8 min., hold to 17 min.
Output Gain: 10 Injection Volume: 10uL Column: MP-RPPX C8 separator, 250mm

QC DATA: A 100X dilution of QC Solution ID 260WS175 (See book WS 260, pg 175) was used for QC-251105-1; target = 1.00ug/L. ASTM type II water was used for BL-251105-1.

MS/MSD: MS/MSD was performed on sample 06E04461. 5.0ul of Intermediate Standard Solution 87IS17262 (See book IS 87, pg 262) was added to 10.0mL of sample preparation.
Spike target = 5.00ug/L.

COMMENTS: 1) Reported in ug/L.
2) All QC, Blank, CCV, and MS/MSD results were within method parameters, except the ICS failed. The ICS was re-made and re-analyzed, with passing results.

TM 10/04/06

To Page No. —

Witnessed & Understood by me,	Date	Invented by: N/A	Date
	10/4/06	Recorded by:	10/04/06

From Page No.

TM 10/04/06

DATA CHEM LABORATORIES
A Sorenson Company

Injection Log

Instrument ID: LCMS02 DCL Set ID(s): 06E-0621-01; 06E-0631-01

Sequence ID: 02OCTCAL.S DCL Group ID: G069101H

Client Sample ID	DCL Sample ID	Date of Injection	Time of Injection	File Name
N/A	MCV	10/02/06	10:18	02OCT001
N/A	$50	10/02/06	10:32	02OCT002
N/A	$5	10/02/06	10:53	02OCT003
N/A	$1	10/02/06	11:15	02OCT004
N/A	$.5	10/02/06	11:36	02OCT005
N/A	$.2	10/02/06	11:58	02OCT006
N/A	ICV	10/02/06	12:19	02OCT007

Maintenance Notes: None.

TM 10/04/06

To Page No.

Witnessed & Understood by me,	Date	Invented by N/A	Date
RRL	10/4/06	Recorded by	10/04/06

Project No. —

TITLE 06E-0621-01; 06E-0631-01 Book No. 4356

From Page No. —

TA 10/04/06

DATA CHEM LABORATORIES
A Sorenson Company

Injection Log

Instrument ID: LCMS02 DCL Set ID(s): 06E-0621-01; 06E-0631-01

Sequence ID: 02OCT.S DCL Group ID: G069101H

Client Sample ID	DCL Sample ID	Date of Injection	Time of Injection	File Name
N/A	CCV1	10/02/06	15:21	02OCT001
N/A	LODV1	10/02/06	15:43	02OCT002
N/A	ICS	10/02/06	16:05	02OCT003
N/A	BL-251105-1	10/02/06	16:26	02OCT004
N/A	QC-251105-1	10/02/06	16:48	02OCT005
NWO0173005	06E04461	10/02/06	17:09	02OCT006
NWO0173005	06E04461MS	10/02/06	18:15	02OCT007
NWO0173005	06E04461MSD	10/02/06	18:36	02OCT008
NWO0173006	06E04462	10/02/06	18:58	02OCT009
NWO0173007	06E04463	10/02/06	19:19	02OCT010
NWO0176002	06E04464	10/02/06	19:41	02OCT011
NWO0173011	06E04465	10/02/06	20:02	02OCT012
NWO0173011FD	06E04466	10/02/06	20:24	02OCT013
NWO0173001	06E04467	10/02/06	20:45	02OCT014
609133001039	06E04542	10/02/06	21:07	02OCT015
609133004040	06E04543	10/02/06	21:28	02OCT016
N/A	ICR RR	10/02/06	21:50	02OCT017
N/A	CCV2	10/02/06	22:11	02OCT018
N/A	LODV2	10/02/06	22:33	02OCT019

Maintenance Notes: None.

TA 10/04/06

To Page No. —

Witnessed & Understood by me.	Date	Invented by N/A	Date
RRJ	10/4/06	Recorded by [signature]	10/02/06

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK

BOOK 260 WS
Page 94

260 WS 94 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION Perchlorate ISTD Spiking Solution

Solvent DI H_2O Vendor DCL Grade ASTM Type II Lot —

	Compound	Intermediate Standard or Parent Solution	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	Perchlorate (0°F)	87I517227	10.0	10.0	100	1.00
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						

EXPIRATION DATE 12/31/2006 *(Refer to applicable contract or method for allowable time period before expiration.)*

Solution Prepared by [signature] Date of Preparation 03/01/2006

Checked by [signature]

Comments

STANDARD SOLUTIONS OF INTERMEDIATE CONCENTRATION

STANDARD PREPARATION LOGBOOK NO. 87 IS

Page No. 027

87 IS 17227 DCL INTERMEDIATE STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: Perchlorate ISTD Intermediate Stock

Solvent DI H_2O Vendor DCL Grade ASTM Type II Lot —

	Compound	Stock Std or Parent Solution ID No.	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	Perchlorate ($NaClO_4^{18}$)	50C509971	806	1.24	100	10.0
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						

EXPIRATION DATE 12/31/2006

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: [signature] Date of Preparation: 03/01/2006

Checked By: [signature] Supervisor: —

Comments:

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 50CS

Page No. 171

50 CS 09971 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: Perchlorate (from $NaClO_4$) - Contains O^{18}, min 90%

Vendor: Isotec Lot No.: CR1558 Purity: 98+%

DCL Analytical Balance Identification: —

N/A - pre-weighed

NIST Reference Weight Target Value — g

NIST Reference Weight Measured Using Balance Identified Above — g

Difference — g

If difference is greater than 0.001 grams: Notify QC. Take corrective action or start over using a different balance.

FINAL GROSS WEIGHT — g

TARE WEIGHT — g

NET WEIGHT 0.10 g

NET WEIGHT CORRECTED FOR PURITY 100 mg

Purity Correction (0.10)(.98)(.823)(1000) [(mass)(%purity)(% ClO_4 in $NaClO_4$)]
↑ conversion factor

Solvent H_2O Vendor DCL Grade ASTM Type II Lot —

Dilution Volume 100 mL

FINAL CONCENTRATION 806 µg/mL

EXPIRATION DATE 12/31/2006

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: [signature] Date of Preparation: 02/23/04

Weight Verified By: [signature] Supervisor:

Comments: Catalog # 631981 (Aldrich)

ISOTEC

A MEMBER OF THE SIGMA-ALDRICH FAMILY

CERTIFICATE OF ANALYSIS

DATE 12/05/2003

Sodium Perchlorate-$^{18}O_4$

ISOTEC NUMBER T88-70501 ALDRICH NUMBER 631981 BATCH NUMBER CR1558

METHODS	SPECIFICATIONS	TEST RESULTS
Assay	Minimum 98% chemical purity	98+%
IC	Confirm identity of perchlorate-$^{18}O_4$ and absence of free chloride	Positive ID of perchlorate Absence of free chloride confirmed
Isotope Enrich.	Minimum 90 atom% ^{18}O based upon labeled precursor	90 atom% ^{18}O
Appearance	White powder	White powder

JOHN KUO, Ph. D.
Analytical & Quality Control
Supervisor

3858 Benner Road, Miamisburg, Ohio 45342 U.S.A. • FAX (937) 859-4878
Sales (800) 448-9760 • E-mail: isosales@isotec.com • Internet: http://www.isotec.com

200-1e

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK	BOOK 260 WS Page 174

260 WS 174 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION Perchlorate

Solvent DI Water Vendor DCL Grade ASTM Type II Lot —

	Compound	Intermediate Standard or Parent Solution	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION ~~µg/mL~~ µg/L
1.	Perchlorate	87IS17262	10.0	1.00	100	100 µg/L
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						

09/13/06

EXPIRATION DATE 09/13/07 *(Refer to applicable contract or method for allowable time period before expiration.)*

Solution Prepared by [illegible] Date of Preparation 09/13/06

Checked by [illegible]

Comments

STANDARD SOLUTIONS OF INTERMEDIATE CONCENTRATION

STANDARD PREPARATION LOGBOOK NO. 87 IS

Page No. 062

87 IS 17262 DCL INTERMEDIATE STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: Perchlorate Int. Stock Standard Solution

Solvent DI Water Vendor DCL Grade ASTM Type II Lot —

	Compound	Stock Std or Parent Solution ID No.	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	Perchlorate ($KClO_4$)	AccuStandard WC-PER-10X-1	1000	1.00	100	10.0
2.		Lot: B5125022				
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						

TCM 09/14/06

EXPIRATION DATE 09/13/07

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: [signature] Date of Preparation: 09/13/06

Checked By: [signature] Supervisor: NA

Comments:

125 Market Street
New Haven, CT 06513 USA
Tel (203)786-5290 Fax (203)786-5287
Web AccuStandard.com

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

Wet Chemistry Reference Standard

Item Number: WC-PER-10X-1

Element: Perchlorate Standard

Matrix: Water

Lot Number: B5125022

Expiration Date: Dec / 2007

Actual Lot Analysis

Perchlorate Standard 1000 μg/mL

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

RESULTS: This solution standard was certified for accuracy of the listed components via methodology traceable to primary or well characterized secondary standards.

This standard was prepared gravimetrically to contain the concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials and solvents available. Typically starting materials are 99.999% to minimize impurity levels in the final solution.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

This product was manufactured to meet the quality system requirements of ISO 9001:2000 and ISO 17025

DF-ORGINC-001
Rev. 5/05

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK

BOOK 260 WS
Page 175

260 WS 175 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION Perchlorate (QC)

Solvent DI water Vendor DCL Grade ASTM Type II Lot —

	Compound	Intermediate Standard or Parent Solution	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION ~~µg/mL~~
1.	Perchlorate	87I317263	10.0	1.00	100	100 µg/L
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						

TTO 0.01 µg/L

EXPIRATION DATE 09/13/07 *(Refer to applicable contract or method for allowable time period before expiration.)*

Solution Prepared by [signature] Date of Preparation 09/13/06

Checked by [signature]

Comments

STANDARD SOLUTIONS OF INTERMEDIATE CONCENTRATION

STANDARD PREPARATION LOGBOOK NO. 87 IS

Page No. 063

87 IS 17263 DCL INTERMEDIATE STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: Perchlorate Int. QC Solution

Solvent DI Water Vendor DCL Grade ASTM Type II Lot —

	Compound	Stock Std or Parent Solution ID No.	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	Perchlorate ($KClO_4$)	Ultra Scientific ICC-017	1000.	1.00	100	10.0
2.		Lot F00729				
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						

TM 09/14/06

EXPIRATION DATE 09/13/07

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: [signature] Date of Preparation: 09/13/06

Checked By: [signature] Supervisor: NA

Comments:

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

CERTIFICATE OF ANALYSIS

ULTRAgrade™ Ion Chromatography Solution: 1000 µg/mL Perchlorate
Catalog Number: ICC-013
Lot Number: F00729
Job Number: J00005193
Expiration Date: 01/2009

Starting Material:	potasssium perchlorate
Starting Material Purity:	99.8%
Starting Material Lot No.:	NT00430
Matrix:	water

Certified Value: 1000 µg/mL

The certified value is the concentration calculated from gravimetric and volumetric measurements performed during the preparation of the standard unless otherwise specified. All standards are accurate to within ± 0.2% relative unless otherwise specified.

Confirmation by Inductively Coupled Plasma Spectroscopy (ICP) vs. NIST SRM 3141a

ULTRA uses purified acids, 18 megohm double deionized water, calibrated Class A glassware & meticulously cleaned bottles in the manufacturing of ULTRAgrade standards. Balances are calibrated with weights traceable to NIST.

Quality Endorsed Company ISO 9001 SAI Global Registered

ACCREDITED ISO 17025 Cert. No. 0851-01

200-1e 4771
Dr. Edward Fitzgerald, Senior Scientist

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 401-295-2330
www.ultrasci.com

DATA CHEM LABORATORIES, INC.

Raw Data

F10OR002908:010-060908_R
200.16

Batch Review Method:
C:\HPCHEM\1\METHODS\CLO4-DOD.M

['#' ==> Run has not been reprocessed with Batch Review Method
'*' ==> Run has been saved with batch file]

#	DataFile	Sample	Location	Dil	Perchlorate RT	Perchlorate Area	Perchlorate Amount
*	02OCT001.D	CCV1	Vial 1	1e0	14.104	2139.93628	2.14154e-1
*	02OCT002.D	LODV1	Vial 2	1e0	14.205	1053.01514	1.00851e-1
*	02OCT003.D	ICS	Vial 3	1e0	0.000	0.00000	0.00000
*	02OCT004.D	BL-251105-1	Vial 4	1e0	0.000	0.00000	0.00000
*	02OCT005.D	QC-251105-1	Vial 5	1e0	14.155	1.12996e4	1.11169
*	02OCT006.D	06E04461	Vial 7	1e0	0.000	0.00000	0.00000
*	02OCT007.D	06E04461MS	Vial 8	1e0	13.963	5.08357e4	5.16526
*	02OCT008.D	06E04461MSD	Vial 9	1e0	13.848	5.34275e4	5.10130
*	02OCT009.D	06E04462	Vial 10	1e0	0.000	0.00000	0.00000
*	02OCT010.D	06E04463	Vial 11	1e0	0.000	0.00000	0.00000
*	02OCT011.D	06E04464	Vial 12	1e0	0.000	0.00000	0.00000
*	02OCT012.D	06E04465	Vial 13	1e0	0.000	0.00000	0.00000
*	02OCT013.D	06E04466	Vial 14	1e0	0.000	0.00000	0.00000
*	02OCT014.D	06E04467	Vial 15	1e0	0.000	0.00000	0.00000
*	02OCT015.D	06E04542	Vial 16	1e0	0.000	0.00000	0.00000
*	02OCT016.D	06E04543	Vial 17	1e0	0.000	0.00000	0.00000
*	02OCT017.D	ICS RR	Vial 3	1e0	13.092	1549.85327	2.40406e-1
*	02OCT018.D	CCV2	Vial 6	1e0	14.192	1.01798e5	10.46012
*	02OCT019.D	LODV2	Vial 2	1e0	14.049	790.46814	7.54886e-2

#	DataFile	Sample	Location	Dil	CLO4-85 RT	CLO4-85 Area	CLO4-85 Amount
*	02OCT001.D	CCV1	Vial 1	1e0	13.953	763.23236	1.64090e-1
*	02OCT002.D	LODV1	Vial 2	1e0	14.356	465.47296	6.70247e-2
*	02OCT003.D	ICS	Vial 3	1e0	0.000	0.00000	0.00000
*	02OCT004.D	BL-251105-1	Vial 4	1e0	0.000	0.00000	0.00000
*	02OCT005.D	QC-251105-1	Vial 5	1e0	14.180	3608.49512	1.03184
*	02OCT006.D	06E04461	Vial 7	1e0	0.000	0.00000	0.00000
*	02OCT007.D	06E04461MS	Vial 8	1e0	13.974	1.62366e4	5.08109
*	02OCT008.D	06E04461MSD	Vial 9	1e0	13.843	1.69627e4	4.98683
*	02OCT009.D	06E04462	Vial 10	1e0	14.124	1028.64758	2.29125e-1
*	02OCT010.D	06E04463	Vial 11	1e0	0.000	0.00000	0.00000
*	02OCT011.D	06E04464	Vial 12	1e0	0.000	0.00000	0.00000
*	02OCT012.D	06E04465	Vial 13	1e0	0.000	0.00000	0.00000
*	02OCT013.D	06E04466	Vial 14	1e0	0.000	0.00000	0.00000
*	02OCT014.D	06E04467	Vial 15	1e0	0.000	0.00000	0.00000
*	02OCT015.D	06E04542	Vial 16	1e0	0.000	0.00000	0.00000
*	02OCT016.D	06E04543	Vial 17	1e0	0.000	0.00000	0.00000
*	02OCT017.D	ICS RR	Vial 3	1e0	12.966	609.12207	2.21324e-1
*	02OCT018.D	CCV2	Vial 6	1e0	14.205	3.51136e4	11.22624
*	02OCT019.D	LODV2	Vial 2	1e0	14.200	468.97824	7.12065e-2

#	DataFile	Sample	Location	Dil	CLO4-89 RT	CLO4-89 Area	CLO4-89 Amount
*	02OCT001.D	CCV1	Vial 1	1e0	14.128	4.87124e4	5.00000
*	02OCT002.D	LODV1	Vial 2	1e0	14.164	4.90411e4	5.00000
*	02OCT003.D	ICS	Vial 3	1e0	12.972	2.62255e4	5.00000
*	02OCT004.D	BL-251105-1	Vial 4	1e0	14.204	5.00861e4	5.00000
*	02OCT005.D	QC-251105-1	Vial 5	1e0	14.155	5.08482e4	5.00000
*	02OCT006.D	06E04461	Vial 7	1e0	13.827	4.48607e4	5.00000
*	02OCT007.D	06E04461MS	Vial 8	1e0	13.965	4.90666e4	5.00000
*	02OCT008.D	06E04461MSD	Vial 9	1e0	13.848	5.22210e4	5.00000
*	02OCT009.D	06E04462	Vial 10	1e0	14.004	5.19321e4	5.00000
*	02OCT010.D	06E04463	Vial 11	1e0	14.098	5.02653e4	5.00000
*	02OCT011.D	06E04464	Vial 12	1e0	13.870	4.70309e4	5.00000

Batch Report: C:\HPCHEM\1\DATA\02OCT\02OCT.B

#*	DataFile	Sample	Location	Dil	ClO4-89 RT	ClO4-89 Area	ClO4-89 Amount
*	02OCT012.D	06E04465	Vial 13	1e0	13.943	4.13376e4	5.00000
*	02OCT013.D	06E04466	Vial 14	1e0	13.953	4.91559e4	5.00000
*	02OCT014.D	06E04467	Vial 15	1e0	14.056	5.37669e4	5.00000
*	02OCT015.D	06E04542	Vial 16	1e0	14.098	5.16943e4	5.00000
*	02OCT016.D	06E04543	Vial 17	1e0	13.887	4.74076e4	5.00000
*	02OCT017.D	ICS RR	Vial 3	1e0	12.941	3.15428e4	5.00000
*	02OCT018.D	CCV2	Vial 6	1e0	14.211	4.80103e4	5.00000
*	02OCT019.D	LODV2	Vial 2	1e0	14.218	4.80631e4	5.00000

*** End of Report ***

DATA CHEM LABORATORIES
A Sorenson Company

Perchlorate Confirmation by 83:85 Ratio

Instrument ID: LCMS02 DCL Set ID(s): 06E-0621-01; 06E-0631-01

Sequence ID: 02OCT.S DCL Group ID: G069101H

Client Sample ID	DCL Sample ID	Mass 83 Peak Area	Mass 85 Peak Area	Target Ratio Range	Mass 83/85 Ratio	Confirm Yes/No
N/A	CCV1	2,140	763	2.2 - 3.3	2.80	Yes
N/A	LODV1	1,053	465	2.2 - 3.3	2.26	Yes
N/A	ICS	ND	ND	2.2 - 3.3	ND	NA
N/A	BL-251105-1	ND	ND	2.2 - 3.3	ND	NA
N/A	QC-251105-1	11,300	3,608	2.2 - 3.3	3.13	Yes
NWO0173005	06E04461	ND	ND	2.2 - 3.3	ND	NA
NWO0173005	06E04461MS	50,836	16,237	2.2 - 3.3	3.13	Yes
NWO0173005	06E04461MSD	53,428	16,963	2.2 - 3.3	3.15	Yes
NWO0173006	06E04462	ND	ND	2.2 - 3.3	ND	NA
NWO0173007	06E04463	ND	ND	2.2 - 3.3	ND	NA
NWO0176002	06E04464	ND	ND	2.2 - 3.3	ND	NA
NWO0173011	06E04465	ND	ND	2.2 - 3.3	ND	NA
NWO0173011FD	06E04466	ND	ND	2.2 - 3.3	ND	NA
NWO0173001	06E04467	ND	ND	2.2 - 3.3	ND	NA
609133001039	06E04542	ND	ND	2.2 - 3.3	ND	NA
609133004040	06E04543	ND	ND	2.2 - 3.3	ND	NA
N/A	ICR RR	1,550	609	2.2 - 3.3	2.54	Yes
N/A	CCV2	101,798	35,114	2.2 - 3.3	2.90	Yes
N/A	LODV2	790	469	2.2 - 3.3	1.69	No

*Comments: None.

DATA CHEM LABORATORIES
A Sorenson Company

Internal Standard Peak Area Responses

Instrument ID: LCMS02 DCL Set ID(s): 06E-0621-01: 06E-0631-01

Sequence ID: 02OCT.S DCL Group ID: G069101H

Client Sample ID	DCL Sample ID	ISTD Peak Area	Target Peak Area	Percent Recovery	Pass/Fail
N/A	CCV1	48,712	48,712	100.0%	Pass
N/A	LODV1	49,041	48,712	100.7%	Pass
N/A	ICS	26,226	48,712	53.8%	Pass
N/A	BL-251105-1	50,086	48,712	102.8%	Pass
N/A	QC-251105-1	50,848	48,712	104.4%	Pass
NWO0173005	06E04461	44,861	48,712	92.1%	Pass
NWO0173005	06E04461MS	49,067	48,712	100.7%	Pass
NWO0173005	06E04461MSD	52,221	48,712	107.2%	Pass
NWO0173006	06E04462	51,932	48,712	106.6%	Pass
NWO0173007	06E04463	50,265	48,712	103.2%	Pass
NWO0176002	06E04464	47,031	48,712	96.5%	Pass
NWO0173011	06E04465	41,338	48,712	84.9%	Pass
NWO0173011FD	06E04466	49,156	48,712	100.9%	Pass
NWO0173001	06E04467	53,767	48,712	110.4%	Pass
609133001039	06E04542	51,694	48,712	106.1%	Pass
609133004040	06E04543	47,408	48,712	97.3%	Pass
N/A	ICR RR	31,543	48,712	64.8%	Pass
N/A	CCV2	48,010	48,712	98.6%	Pass
N/A	LODV2	48,063	48,712	98.7%	Pass

Control limit = ± 50%

*Comments: None.

DATA CHEM LABORATORIES
A Sorenson Company

Perchlorate Calibration Verifications

Initial Calibration Date: 10/02/06 Instrument ID: LCMS02

Sequence ID: 02OCT.S

Calibration Standard	Calculated Amount	Target Amount	Percent Difference	Control Limit	Pass/Fail
ICV	10.24	10.00	2.4%	±10%	Pass
CCV1	0.214	0.200	7.1%	±30%	Pass
LODV1	0.1009	0.100	0.9%	±30%	Pass
*ICS	0.000	0.200	100.0%	±30%	Fail
ICS RR	0.240	0.200	20.2%	±30%	Pass
CCV2	10.460	10.00	4.6%	±10%	Pass
LODV2	0.0755	0.100	24.5%	±30%	Pass

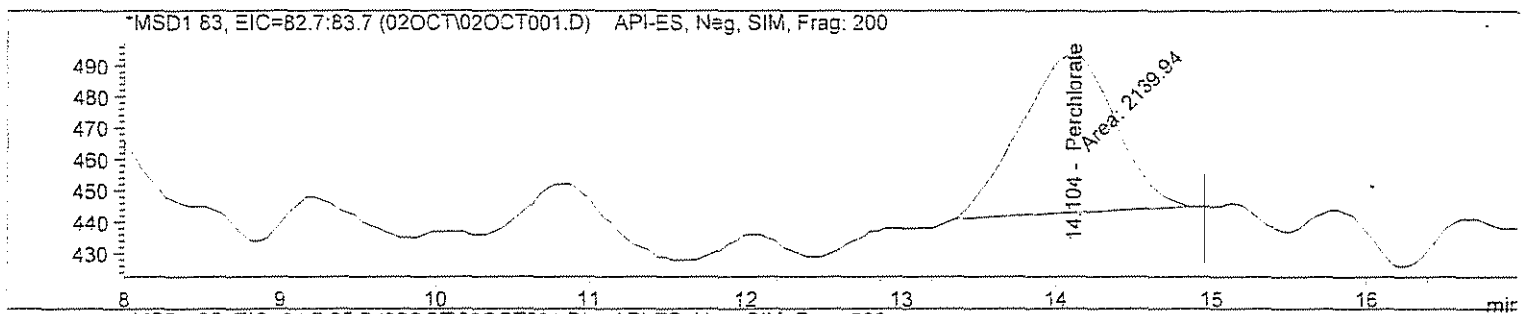
*Comment: ICS remade and reanalyzed.

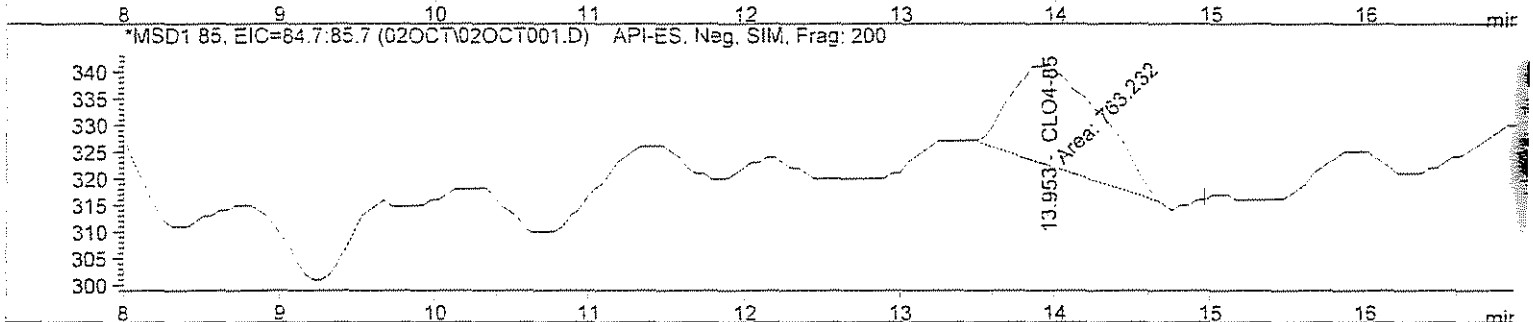
Sequence Table:

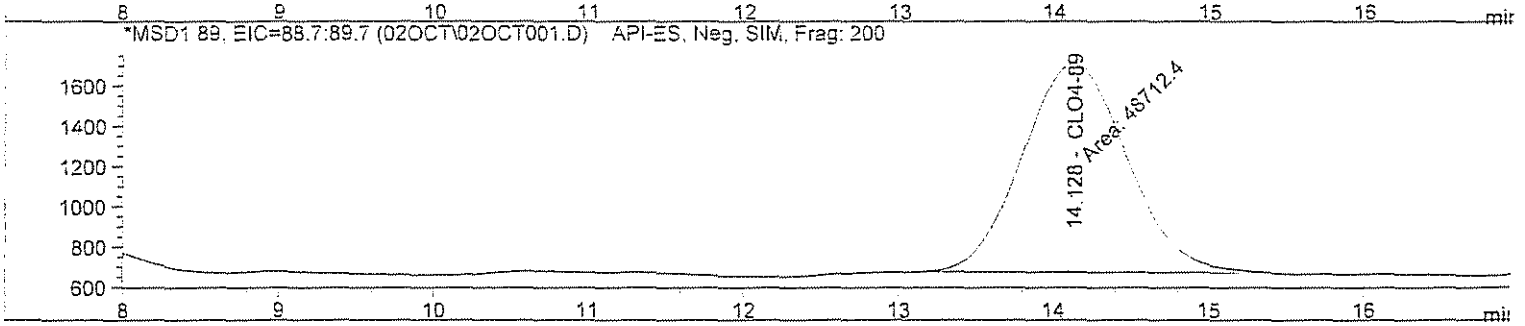
Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	CCV1	CLO4-ON	1	Ctrl Samp		02OCT001
2	Vial 2	LODV1	CLO4-ON	1	Ctrl Samp		02OCT002
3	Vial 3	ICS	CLO4-ON	1	Ctrl Samp		02OCT003
4	Vial 4	BL-251105-1	CLO4-ON	1	Ctrl Samp		02OCT004
5	Vial 5	QC-251105-1	CLO4-ON	1	Ctrl Samp		02OCT005
6	Vial 7	06E04461	CLO4-ON	1	Sample		02OCT006
7	Vial 8	06E04461MS	CLO4-ON	1	Ctrl Samp		02OCT007
8	Vial 9	06E04461MSD	CLO4-ON	1	Ctrl Samp		02OCT008
9	Vial 10	06E04462	CLO4-ON	1	Sample		02OCT009
10	Vial 11	06E04463	CLO4-ON	1	Sample		02OCT010
11	Vial 12	06E04464	CLO4-ON	1	Sample		02OCT011
12	Vial 13	06E04465	CLO4-ON	1	Sample		02OCT012
13	Vial 14	06E04466	CLO4-ON	1	Sample		02OCT013
14	Vial 15	06E04467	CLO4-ON	1	Sample		02OCT014
15	Vial 16	06E04542	CLO4-ON	1	Sample		02OCT015
16	Vial 17	06E04543	CLO4-ON	1	Sample		02OCT016
17	Vial 3	ICS RR	CLO4-ON	1	Ctrl Samp		02OCT017
18	Vial 6	CCV2	CLO4-ON	1	Ctrl Samp		02OCT018
19	Vial 2	LODV2	CLO4-ON	1	Ctrl Samp		02OCT019

```
Injection Date  : 10/2/2006 3:21:59 PM          Seq. Line :   1
Sample Name     : CCV1                           Location : Vial 1
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 2:21:18 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```







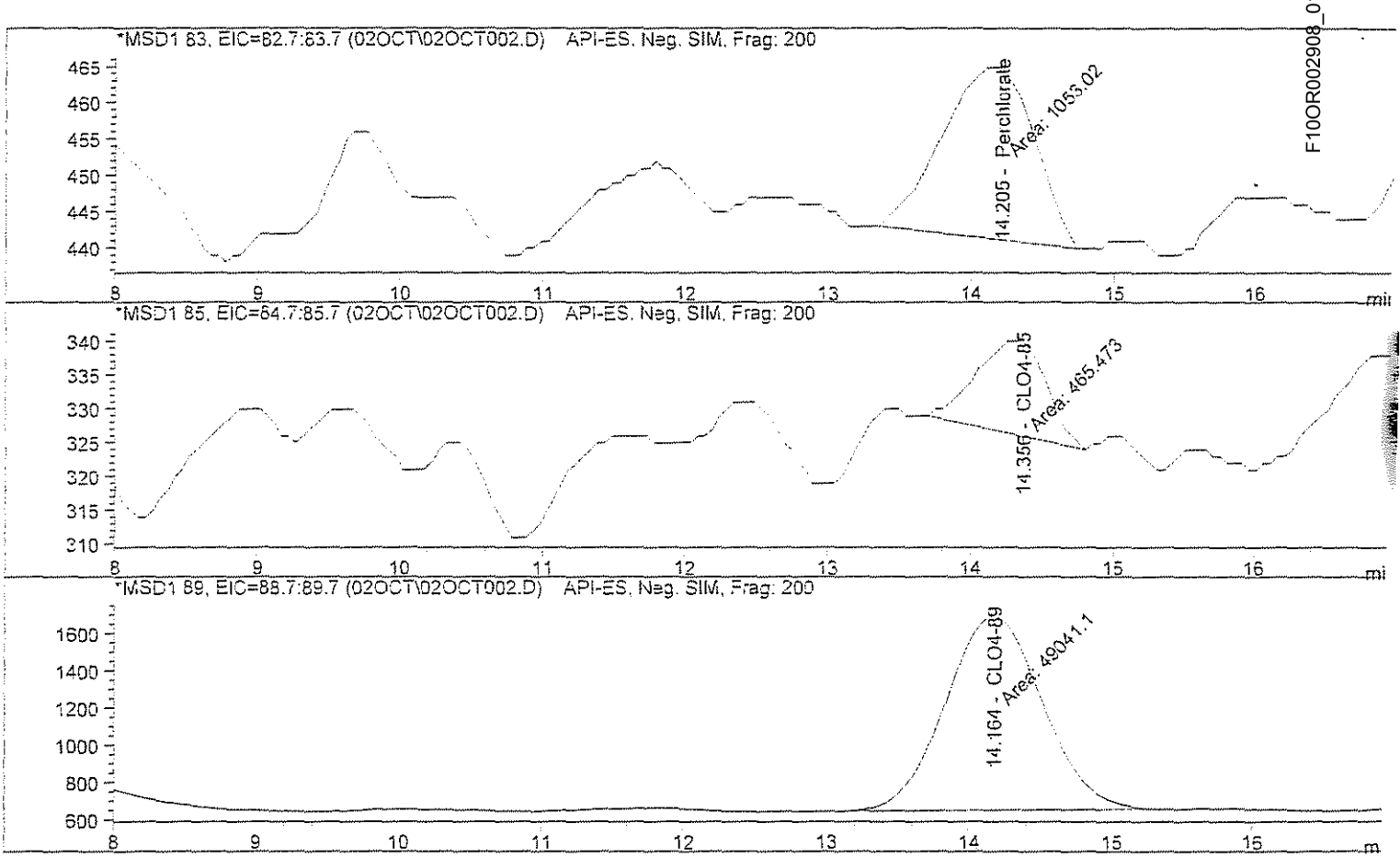
Internal Standard Report

```
Sorted By              :      Signal
Calib. Data Modified   :      10/2/2006 2:36:05 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Sample Amount          :   2.00000e-1  [ug/L]   (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==================================================================
Injection Date  : 10/2/2006 3:21:59 PM          Seq. Line :   1
Sample Name     : CCV1                           Location : Vial 1
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 2:21:18 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================


        Signal 1: MSD1 83, EIC=82.7:83.7
         Signal has been modified after loading from rawdata file!

        RetTime  Type     Area      Amt/Area    Amount   Grp   Name
         [min]                       ratio      [ug/L]
        -------|------|----------|----------|----------|--|------------------
         14.104 MM     2139.93628 9.74977e-1 2.14154e-1    Perchlorate

        Totals without ISTD(s) :              2.14154e-1


        Signal 2: MSD1 85, EIC=84.7:85.7
         Signal has been modified after loading from rawdata file!

        RetTime  Type     Area      Amt/Area    Amount   Grp   Name
         [min]                       ratio      [ug/L]
        -------|------|----------|----------|----------|--|------------------
         13.953 MM      763.23236    2.09457 1.64090e-1    CLO4-85

        Totals without ISTD(s) :              1.64090e-1


        Signal 3: MSD1 89, EIC=88.7:89.7
         Signal has been modified after loading from rawdata file!

        RetTime  Type     Area      Amt/Area    Amount   Grp   Name
         [min]                       ratio      [ug/L]
        -------|------|----------|----------|----------|--|------------------
         14.128 MM  +I 4.87124e4     1.00000    5.00000    CLO4-89

        Totals without ISTD(s) :                0.00000


        1 Warnings or Errors :

        Warning : Elution order of calibrated compounds may have changed

        ==================================================================
                                  *** End of Report ***
```

```
Injection Date  : 10/2/2006 3:43:30 PM          Seq. Line :   2
Sample Name     : LODV1                          Location : Vial 2
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 ul
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 2:21:19 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```

200-1e
F10OR002908_01.09_0508_a




```
                    Internal Standard Report

Sorted By             :      Signal
Calib. Data Modified  :      10/2/2006 2:36:05 PM
Multiplier            :      1.0000
Dilution              :      1.0000
Sample Amount         :   1.00000e-1  [ug/L]    (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #      [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==================================================================
Injection Date  : 10/2/2006 3:43:30 PM          Seq. Line :   2
Sample Name     : LODV1                          Location : Vial 2
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 2:21:18 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.205	MM	1053.01514	9.39368e-1	1.00851e-1		Perchlorate

Totals without ISTD(s) : 1.00851e-1

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.356	MM	465.47296	1.41231	6.70247e-2		CLO4-85

Totals without ISTD(s) : 6.70247e-2

Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.164	MM +I	4.90411e4	1.00000	5.00000		CLO4-89

Totals without ISTD(s) : 0.00000

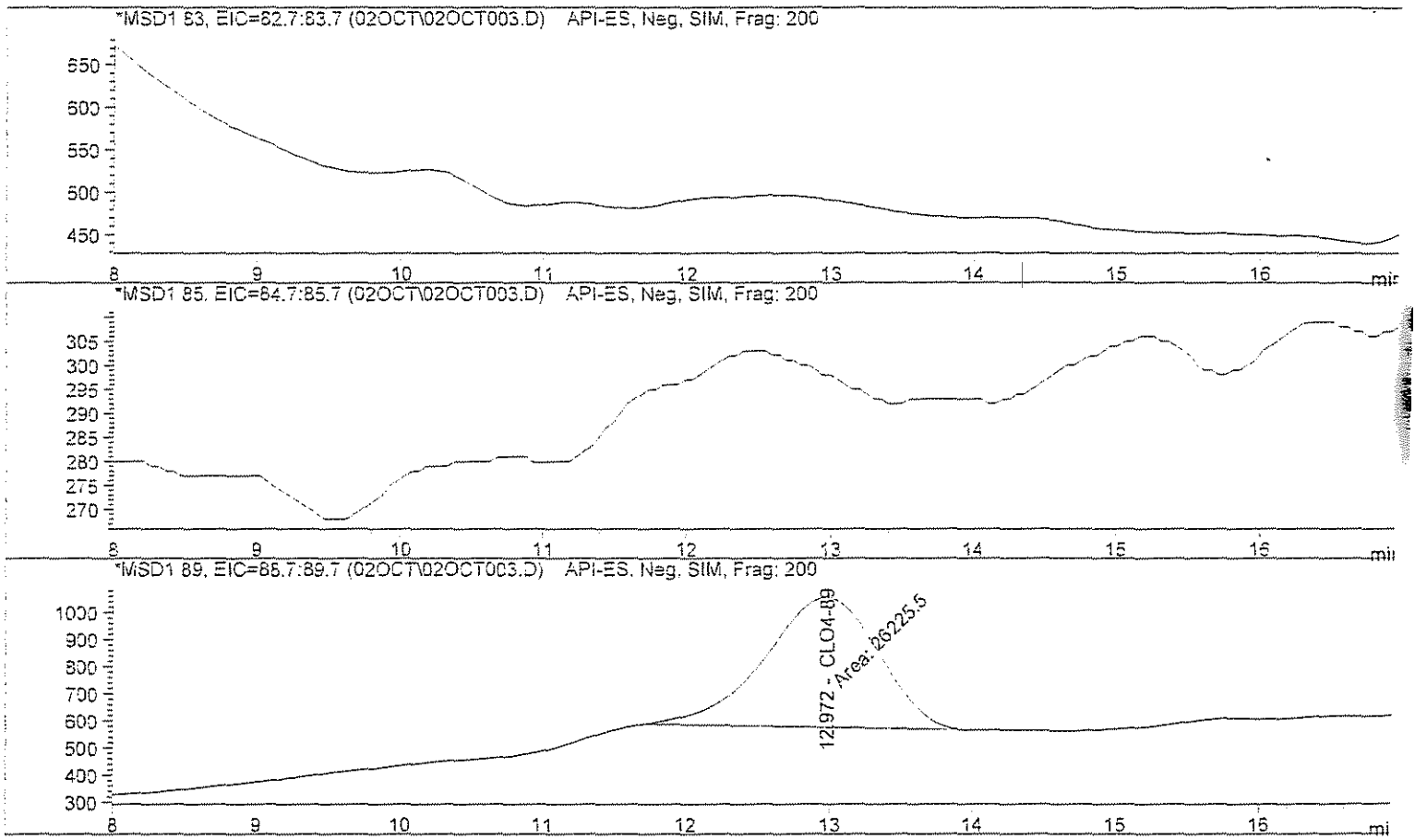
1 Warnings or Errors :

Warning : Elution order of calibrated compounds may have changed

==========

*** End of Report ***

```
Injection Date  : 10/2/2006 4:05:01 PM          Seq. Line :   3
Sample Name     : ICS                            Location : Vial 3
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 2:21:18 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```



Internal Standard Report

```
Sorted By              :      Signal
Calib. Data Modified   :      10/2/2006 2:36:05 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Sample Amount          :   2.00000e-1  [ug/L]   (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==========================================================================
Injection Date  : 10/2/2006 4:05:01 PM          Seq. Line :   3
Sample Name     : ICS                            Location : Vial 3
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 2:21:18 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==========================================================================
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
12.943		-	-	-	-	Perchlorate

Totals without ISTD(s) : 0.00000

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
12.970		-	-	-		CLO4-85

Totals without ISTD(s) : 0.00000

Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
12.972	MM +I	2.62255e4	1.00000	5.00000		CLO4-89

Totals without ISTD(s) : 0.00000

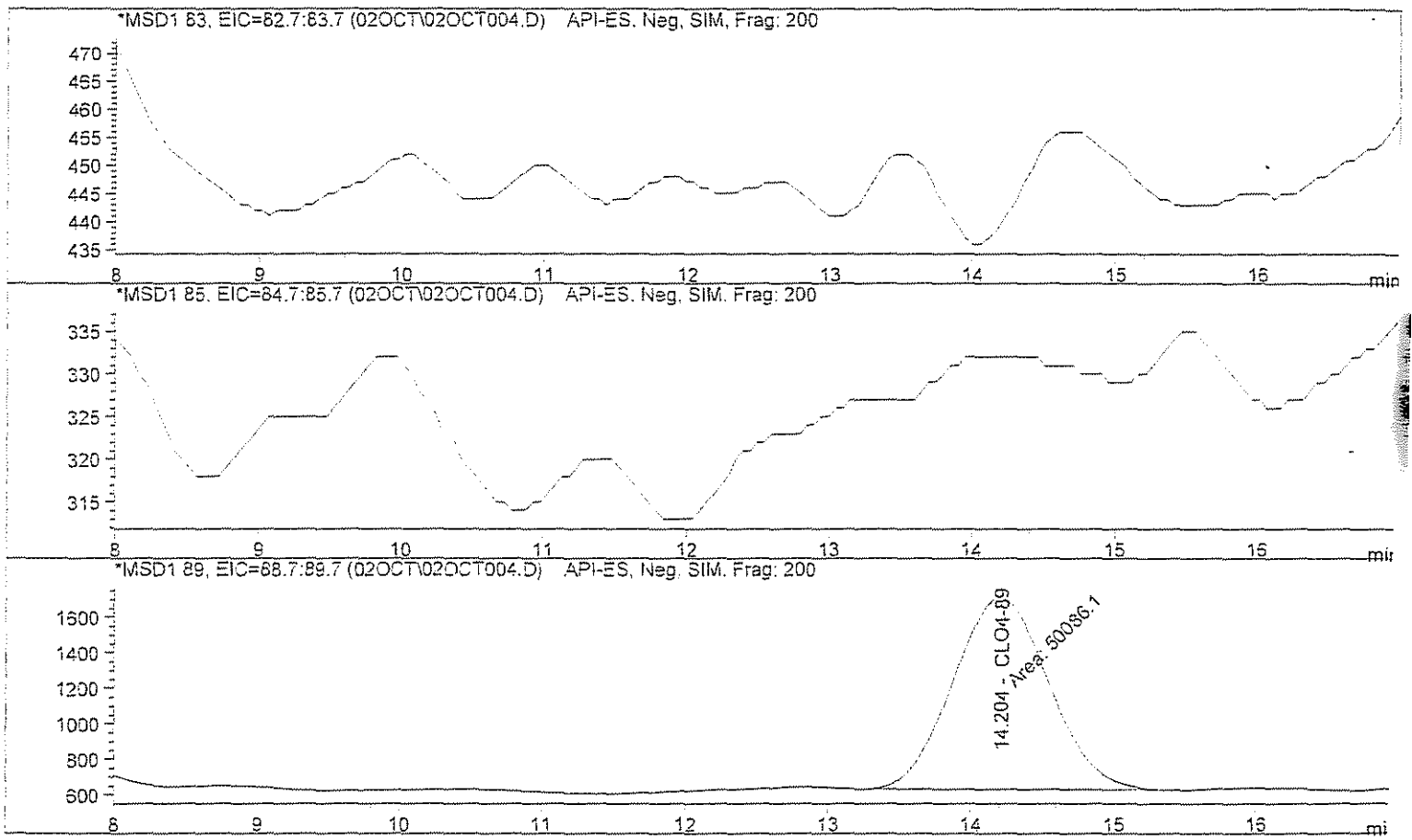
2 Warnings or Errors :

Warning : Calibrated compound(s) not found
Warning : Amount limits exceeded

==========

*** End of Report ***

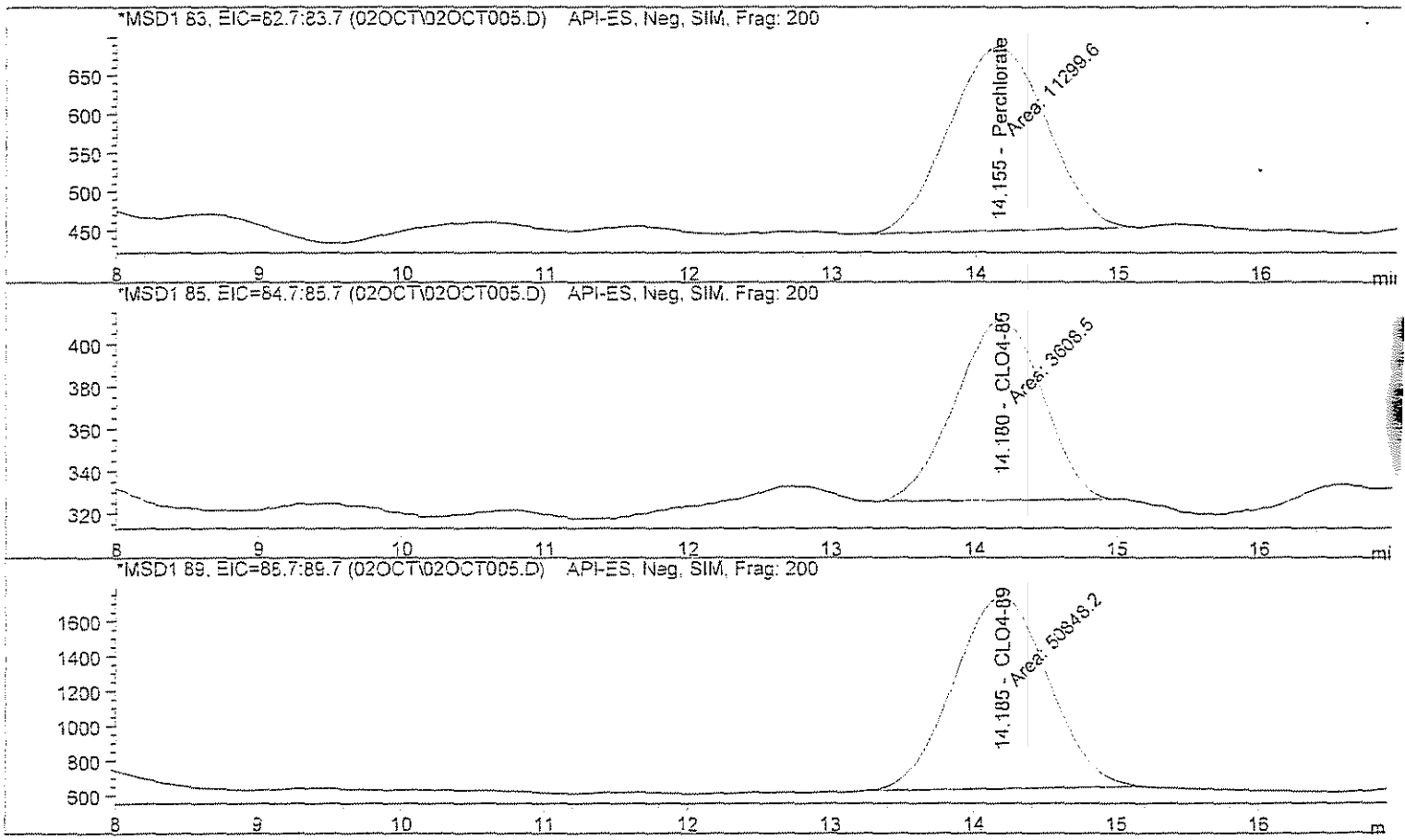
```
Injection Date  : 10/2/2006 4:26:32 PM          Seq. Line :   4
Sample Name     : BL-251105-1                    Location : Vial 4
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 ul
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 2:21:18 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```




```
                    Internal Standard Report

Sorted By             :      Signal
Calib. Data Modified  :      10/2/2006 2:36:05 PM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89


Signal 1: MSD1 83, EIC=82.7:83.7
 Signal has been modified after loading from rawdata file!
```

```
==========================================================================
Injection Date  : 10/2/2006 4:26:32 PM          Seq. Line :   4
Sample Name     : BL-251105-1                    Location : Vial 4
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 2:21:18 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==========================================================================

          RetTime  Type     Area      Amt/Area    Amount   Grp   Name
           [min]                       ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           14.173            -          -          -      -   Perchlorate

          Totals without ISTD(s) :                 0.00000


          Signal 2: MSD1 85, EIC=84.7:85.7
           Signal has been modified after loading from rawdata file!

          RetTime  Type     Area      Amt/Area    Amount   Grp   Name
           [min]                       ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           14.202            -          -          -         CLO4-85

          Totals without ISTD(s) :                 0.00000


          Signal 3: MSD1 89, EIC=88.7:89.7
           Signal has been modified after loading from rawdata file!

          RetTime  Type     Area      Amt/Area    Amount   Grp   Name
           [min]                       ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           14.204 MM  +I 5.00861e4     1.00000    5.00000    CLO4-89

          Totals without ISTD(s) :                 0.00000


          2 Warnings or Errors :

          Warning : Calibrated compound(s) not found
          Warning : Amount limits exceeded

          ==========================================================================
                                  *** End of Report ***
```

```
Injection Date  : 10/2/2006 4:48:02 PM          Seq. Line :   5
Sample Name     : QC-251105-1                    Location : Vial 5
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 ul
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 2:21:19 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```




```
                    Internal Standard Report

Sorted By             :      Signal
Calib. Data Modified  :      10/2/2006 2:36:05 PM
Multiplier            :      1.0000
Dilution              :      1.0000
Sample Amount         :      1.00000  [ug/L]   (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==================================================================
Injection Date  : 10/2/2006 4:48:02 PM          Seq. Line :   5
Sample Name     : QC-251105-1                    Location : Vial 5
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 2:21:18 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.155	MM	1.12996e4	1.00052	1.11169		Perchlorate

Totals without ISTD(s) : 1.11169

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.180	MM	3608.49512	2.90797	1.03184		CLO4-85

Totals without ISTD(s) : 1.03184

Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

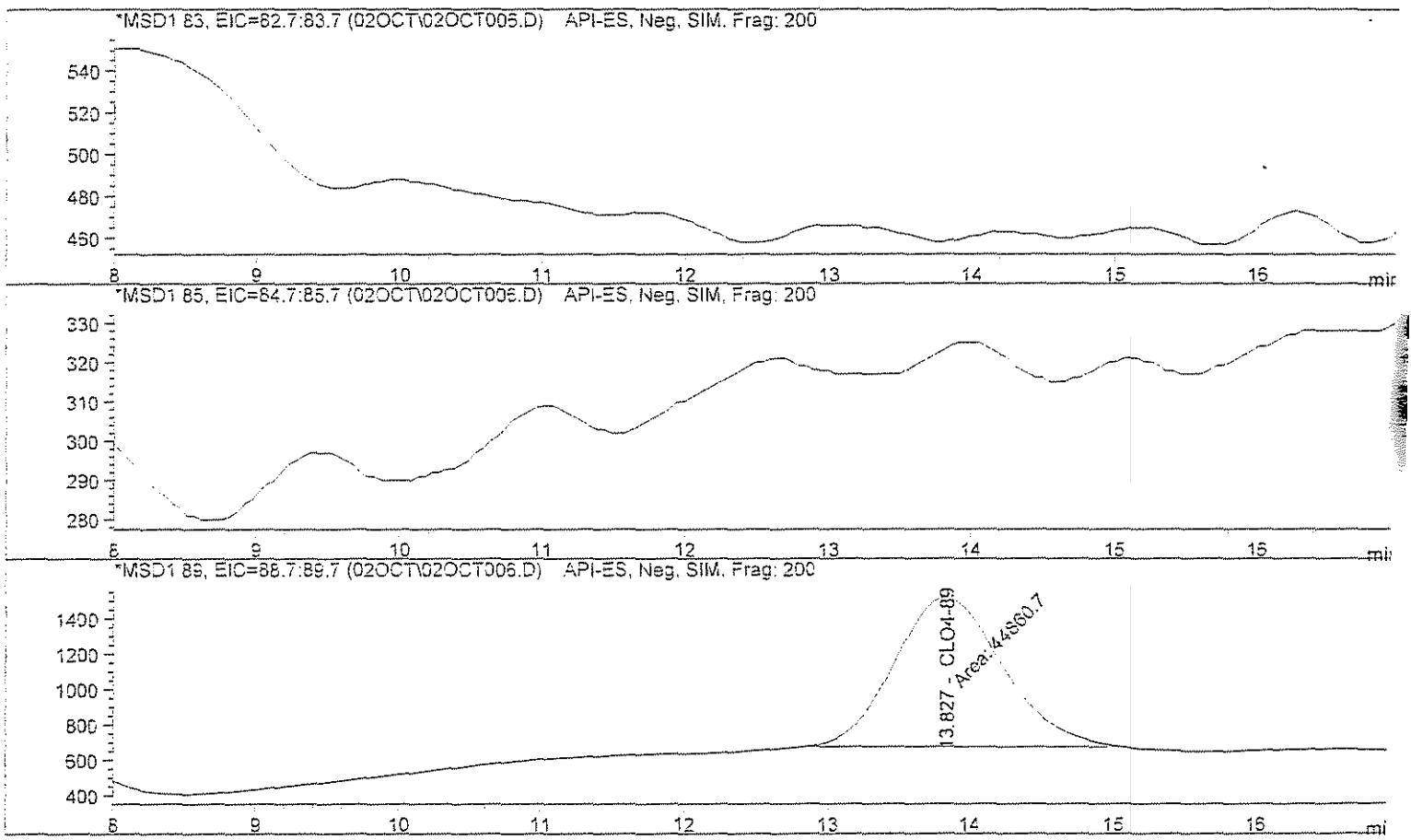
RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.155	MM -I	5.08482e4	1.00000	5.00000		CLO4-89

Totals without ISTD(s) : 0.00000

==========

*** End of Report ***

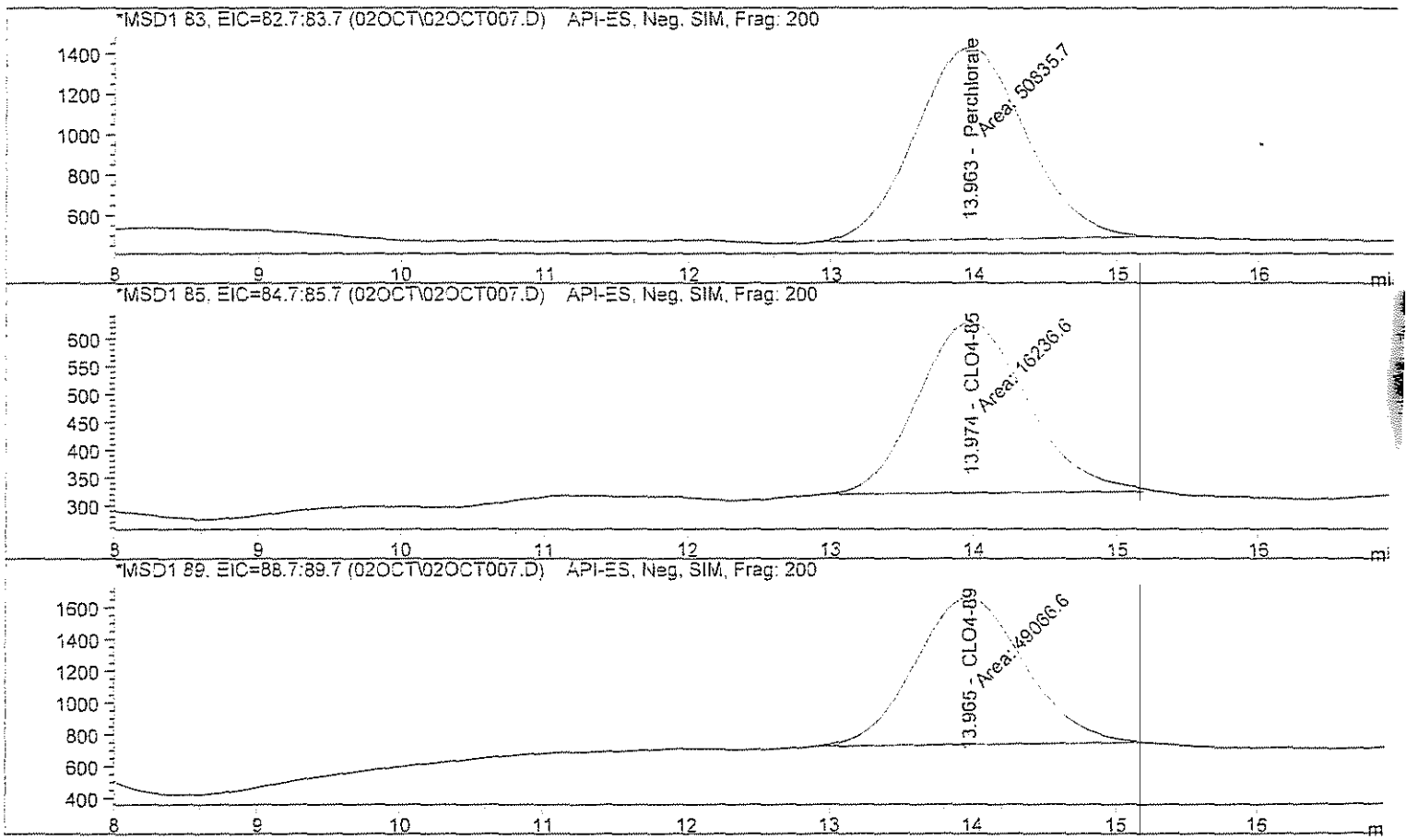
```
Injection Date  : 10/2/2006 5:09:32 PM          Seq. Line :   6
Sample Name     : 06E04461                       Location : Vial 7
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 2:21:18 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```




```
                    Internal Standard Report

Sorted By              :      Signal
Calib. Data Modified   :      10/2/2006 2:36:05 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89

Signal 1: MSD1 83, EIC=82.7:83.7
 Signal has been modified after loading from rawdata file!
```

```
==================================================================
Injection Date  : 10/2/2006 5:09:32 PM          Seq. Line :   6
Sample Name     : 06E04461                       Location : Vial 7
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 2:21:18 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 13.797            -          -          -     -   Perchlorate

Totals without ISTD(s) :                 0.00000


Signal 2: MSD1 85, EIC=84.7:85.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 13.825            -          -          -         CLO4-85

Totals without ISTD(s) :                 0.00000


Signal 3: MSD1 89, EIC=88.7:89.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 13.827 MM  +I 4.48607e4     1.00000    5.00000    CLO4-89

Totals without ISTD(s) :                 0.00000


2 Warnings or Errors :

Warning : Calibrated compound(s) not found
Warning : Amount limits exceeded

==================================================================
                        *** End of Report ***
```

```
Injection Date  : 10/2/2006 6:15:13 PM          Seq. Line :   7
Sample Name     : 06E04461MS                     Location : Vial 9
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 ul
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 6:16:47 PM by TTM
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```

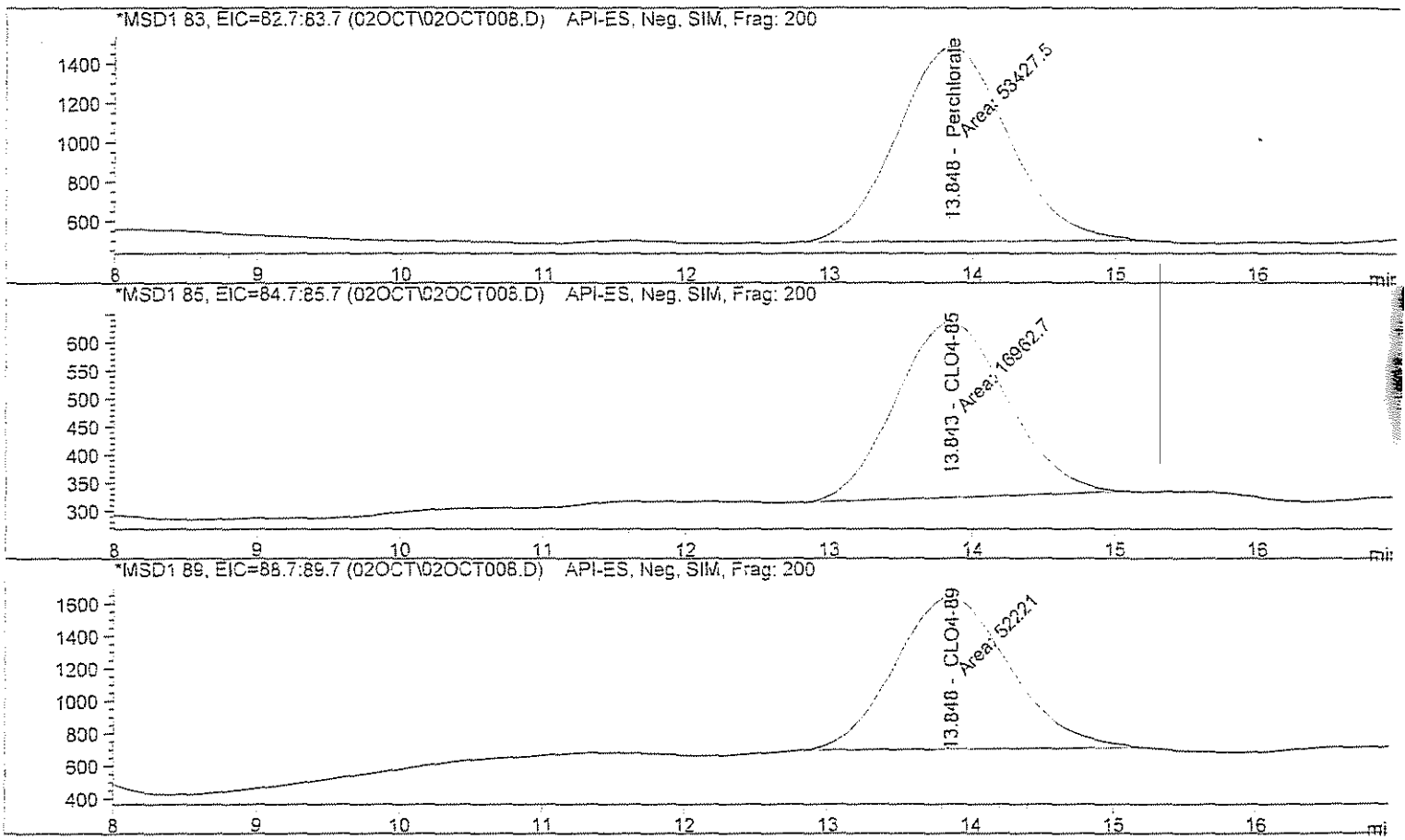


Internal Standard Report

```
Sorted By              :      Signal
Calib. Data Modified   :      10/2/2006 2:36:05 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #      [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==================================================================
Injection Date  : 10/2/2006 6:15:13 PM          Seq. Line :   7
Sample Name     : 06E04461MS                     Location : Vial 8
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 ul
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 6:16:47 PM by TTM
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================


Signal 1: MSD1 83, EIC=82.7:83.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 13.963 MM     5.08357e4  9.97100e-1    5.16526    Perchlorate

Totals without ISTD(s) :                5.16526


Signal 2: MSD1 85, EIC=84.7:85.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 13.974 MM     1.62366e4     3.07099    5.08109    CLO4-85

Totals without ISTD(s) :                5.08109


Signal 3: MSD1 89, EIC=88.7:89.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 13.965 MM  +I 4.90666e4     1.00000    5.00000    CLO4-89

Totals without ISTD(s) :                0.00000


1 Warnings or Errors :

Warning : Elution order of calibrated compounds may have changed

==================================================================
                        *** End of Report ***
```

```
Injection Date  : 10/2/2006 6:36:43 PM          Seq. Line :   8
Sample Name     : 06E04461MSD                    Location : Vial 9
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 6:16:47 PM by TTM
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```



Internal Standard Report

```
Sorted By              :      Signal
Calib. Data Modified   :      10/2/2006 2:36:05 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==================================================================
Injection Date  : 10/2/2006 6:36:43 PM          Seq. Line :   8
Sample Name     : 06E04461MSD                    Location : Vial 9
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 6:16:47 PM by TTM
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.848	MM	5.34275e4	9.97218e-1	5.10130		Perchlorate

Totals without ISTD(s) : 5.10130

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.843	MM	1.69627e4	3.07050	4.98688		CLO4-85

Totals without ISTD(s) : 4.98688

Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.848	MM -I	5.22210e4	1.00000	5.00000		CLO4-89

Totals without ISTD(s) : 0.00000

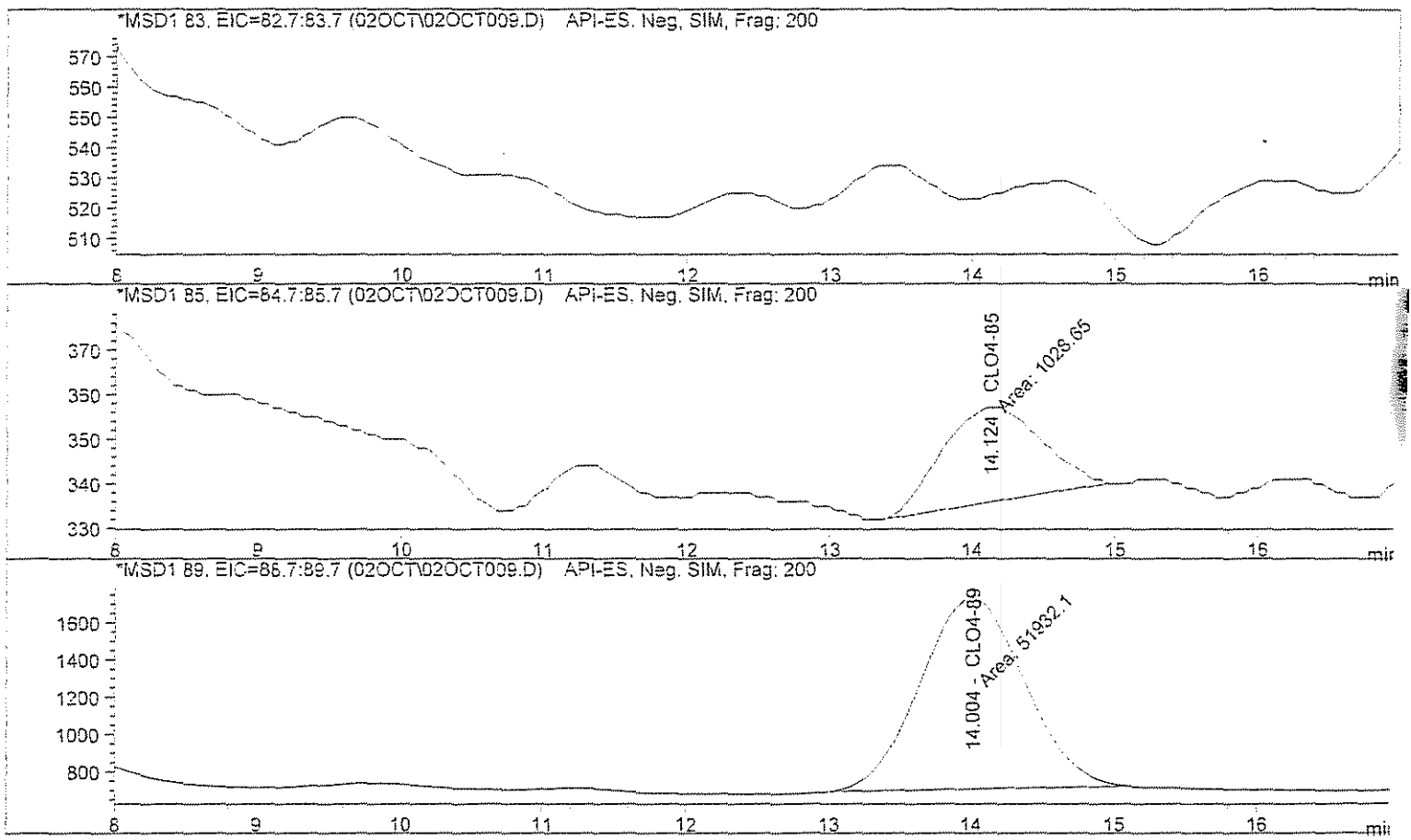
1 Warnings or Errors :

Warning : Elution order of calibrated compounds may have changed

==========

*** End of Report ***

```
Injection Date  : 10/2/2006 6:58:14 PM          Seq. Line :   9
Sample Name     : 06E04462                       Location : Vial 10
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 6:16:47 PM by TTM
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```




```
==========================================================================
                        Internal Standard Report
==========================================================================

Sorted By             :       Signal
Calib. Data Modified  :       10/2/2006 2:36:05 PM
Multiplier            :       1.0000
Dilution              :       1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount    Name
  #      [ug/L]
----|-------------|-------------------------
  1      5.00000    CLO4-89
```

```
==================================================================
Injection Date  : 10/2/2006 6:59:14 PM          Seq. Line :   9
Sample Name     : 06E04462                       Location : Vial 10
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 6:16:47 PM by TTM
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.974		-	-	-	-	Perchlorate

Totals without ISTD(s) : 0.00000

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.124	MM	1028.64758	2.31351	2.29125e-1		CLO4-85

Totals without ISTD(s) : 2.29125e-1

Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.004	MM +I	5.19321e4	1.00000	5.00000		CLO4-89

Totals without ISTD(s) : 0.00000

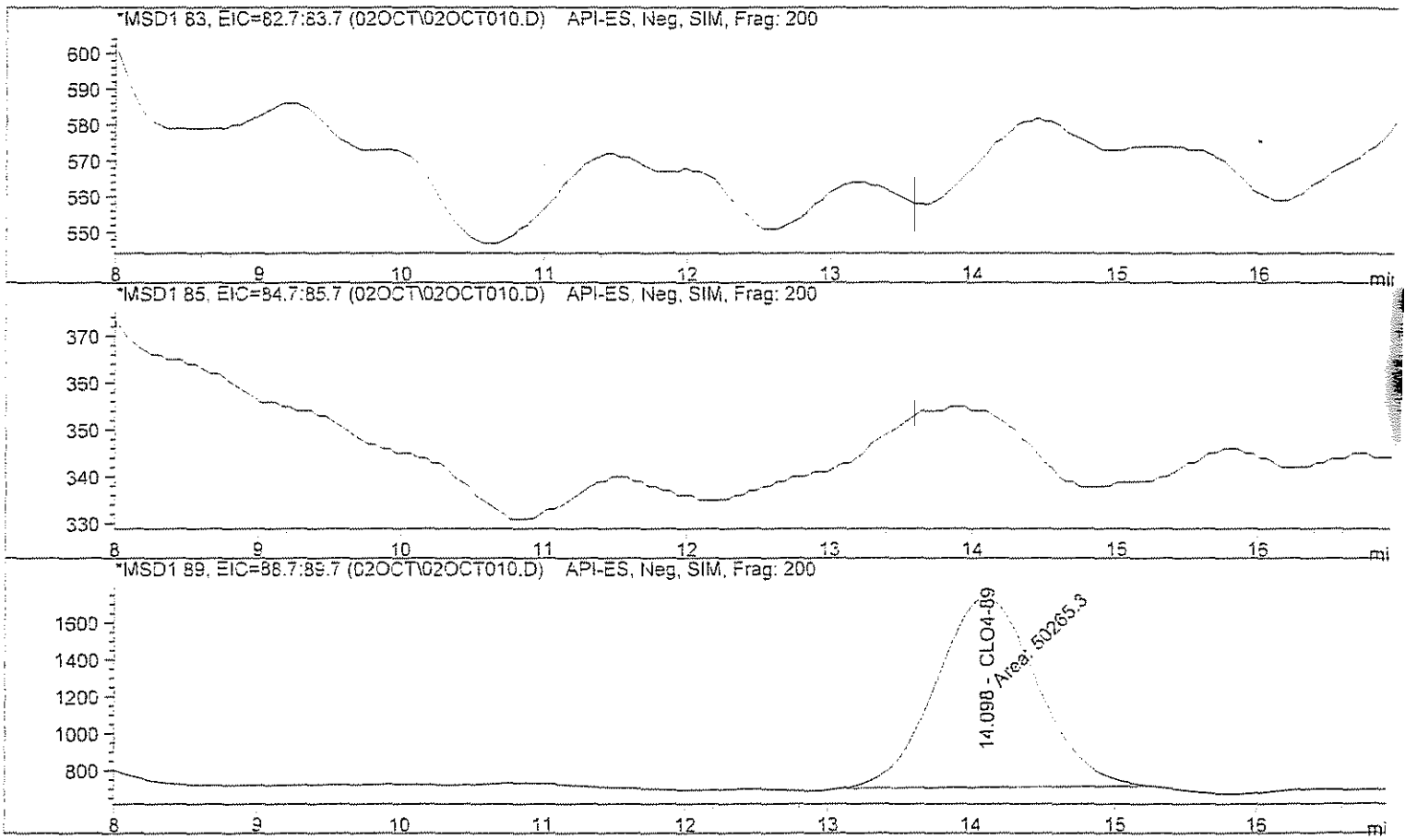
3 Warnings or Errors :

Warning : Calibrated compound(s) not found
Warning : Elution order of calibrated compounds may have changed
Warning : Amount limits exceeded

==========

*** End of Report ***

```
Injection Date  : 10/2/2006 7:19:45 PM          Seq. Line :  10
Sample Name     : 06E04463                       Location : Vial 11
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 ul
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 6:16:47 PM by TTM
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```




```
==========================================================================
                        Internal Standard Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      10/2/2006 2:36:05 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==================================================================
Injection Date  : 10/2/2006 7:19:45 PM          Seq. Line :  10
Sample Name     : 06E04463                       Location : Vial 11
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 6:16:47 PM by TTM
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.068		-	-	-	-	Perchlorate

Totals without ISTD(s) : 0.00000

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.096		-	-	-		CLO4-85

Totals without ISTD(s) : 0.00000

Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.098	MM -I	5.02653e4	1.00000	5.00000		CLO4-89

Totals without ISTD(s) : 0.00000

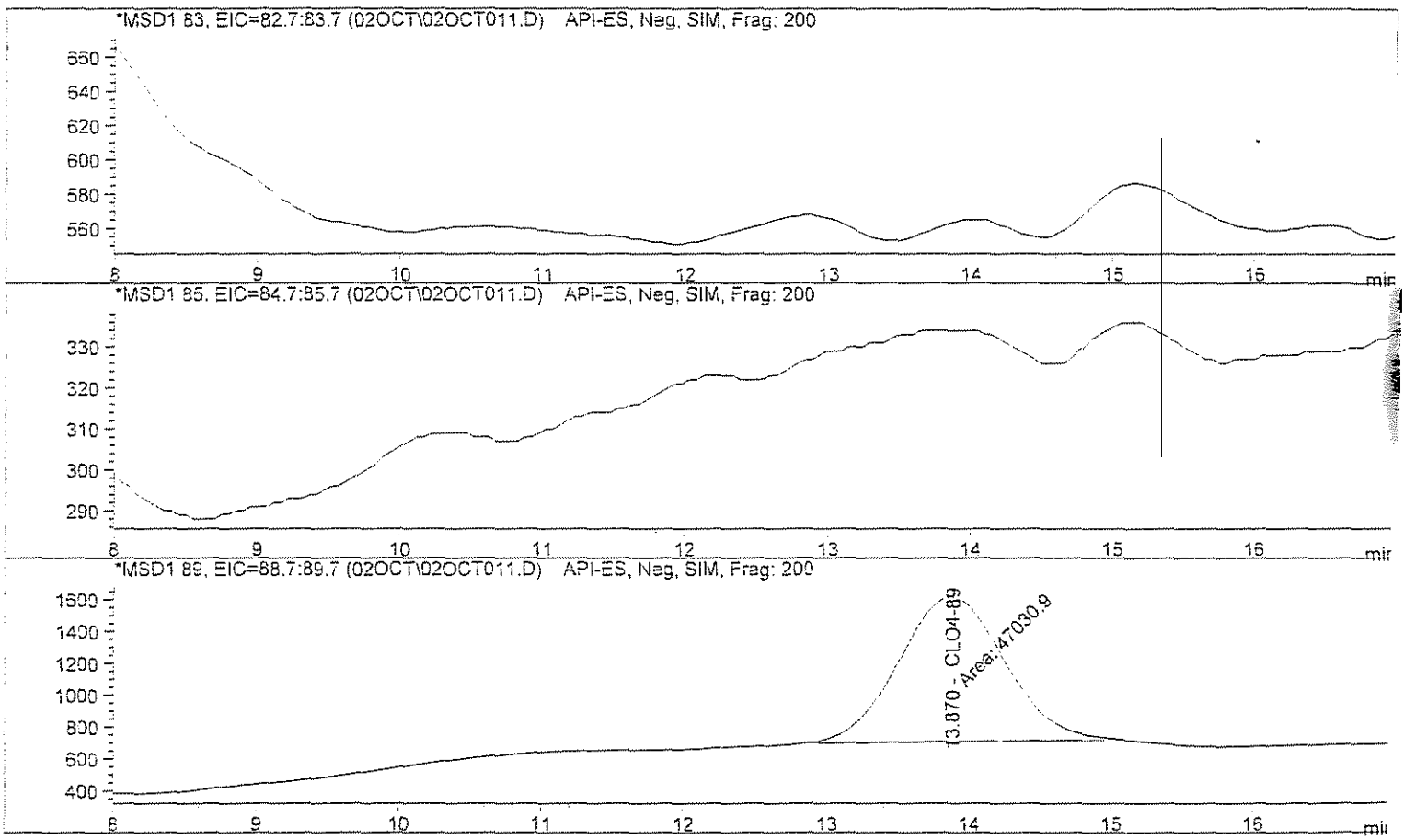
2 Warnings or Errors :

Warning : Calibrated compound(s) not found
Warning : Amount limits exceeded

==========

*** End of Report ***

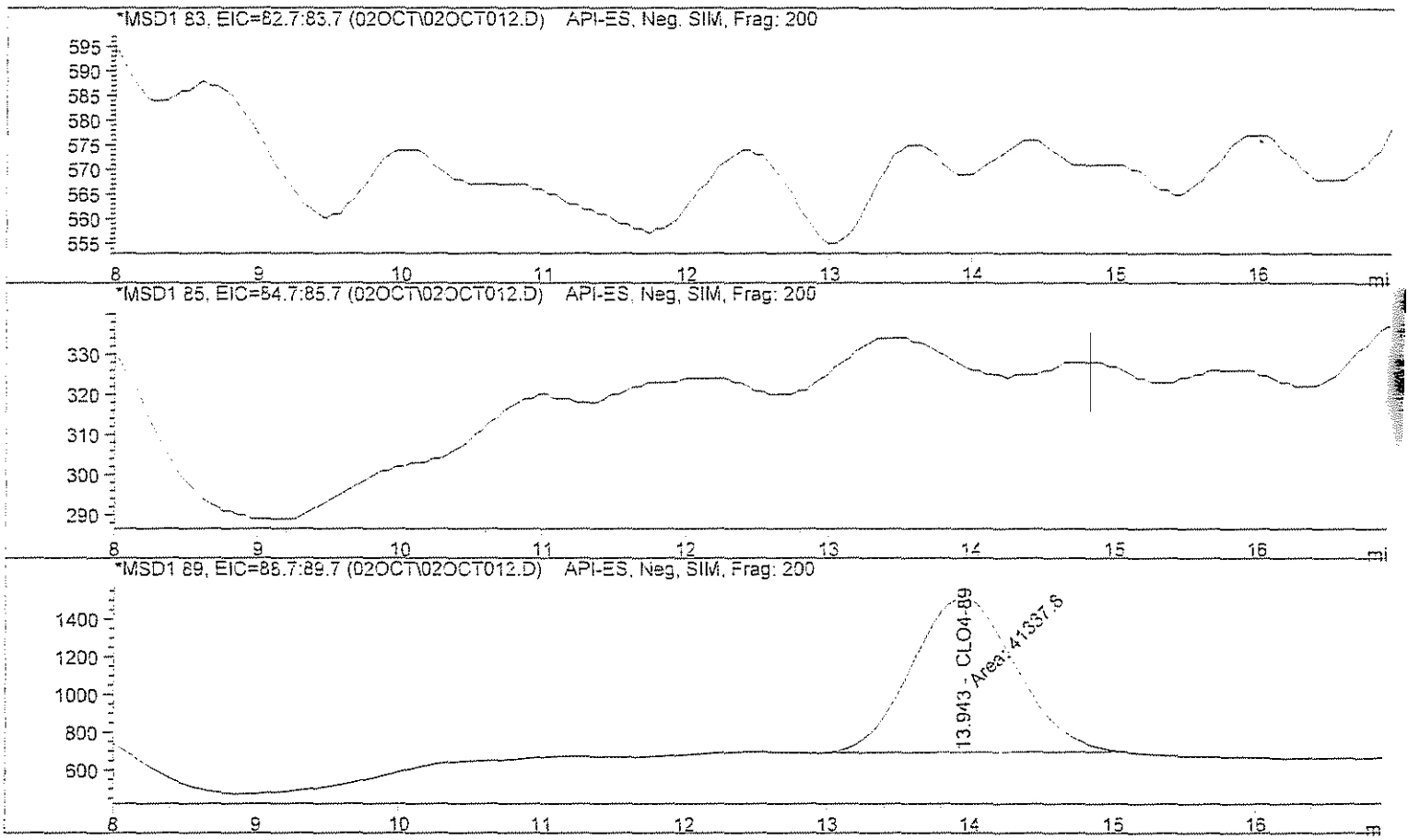
```
==================================================================
Injection Date  : 10/2/2006 7:41:12 PM          Seq. Line :  11
Sample Name     : 06E04464                       Location : Vial 12
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 6:16:47 PM by TTM
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================
```




```
==================================================================
                      Internal Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      10/2/2006 2:36:05 PM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #      [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==========================================================================
Injection Date  : 10/2/2006 7:41:12 PM          Seq. Line :  11
Sample Name     : 06E04464                       Location : Vial 12
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-OK.M
Last changed    : 10/2/2006 6:16:47 PM by TTM
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==========================================================================


Signal 1: MSD1 83, EIC=82.7:83.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area     Amt/Area    Amount   Grp   Name
 [min]                      ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 13.839            -          -          -     -   Perchlorate

Totals without ISTD(s) :                 0.00000


Signal 2: MSD1 85, EIC=84.7:85.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area     Amt/Area    Amount   Grp   Name
 [min]                      ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 13.868            -          -          -         CLO4-85

Totals without ISTD(s) :                 0.00000


Signal 3: MSD1 89, EIC=88.7:89.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area     Amt/Area    Amount   Grp   Name
 [min]                      ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 13.870 MM  -I 4.70309e4     1.00000    5.00000    CLO4-89

Totals without ISTD(s) :                 0.00000


2 Warnings or Errors :

Warning : Calibrated compound(s) not found
Warning : Amount limits exceeded

==========================================================================
                          *** End of Report ***
```

```
Injection Date  : 10/2/2006 8:02:41 PM          Seq. Line :  12
Sample Name     : 06E04465                       Location : Vial 13
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 6:16:47 PM by TTM
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```



Internal Standard Report

```
Sorted By              :      Signal
Calib. Data Modified   :      10/2/2006 2:36:05 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|------------------------
  1      5.00000   CLO4-89
```

```
==================================================================
Injection Date  : 10/2/2006 8:02:41 PM          Seq. Line :  12
Sample Name     : 06E04465                       Location : Vial 13
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 ul
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 6:16:47 PM by TTM
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.912		-	-	-	-	Perchlorate

Totals without ISTD(s) : 0.00000

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.941		-	-	-		CLO4-85

Totals without ISTD(s) : 0.00000

Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.943	MM +I	4.13376e4	1.00000	5.00000		CLO4-89

Totals without ISTD(s) : 0.00000

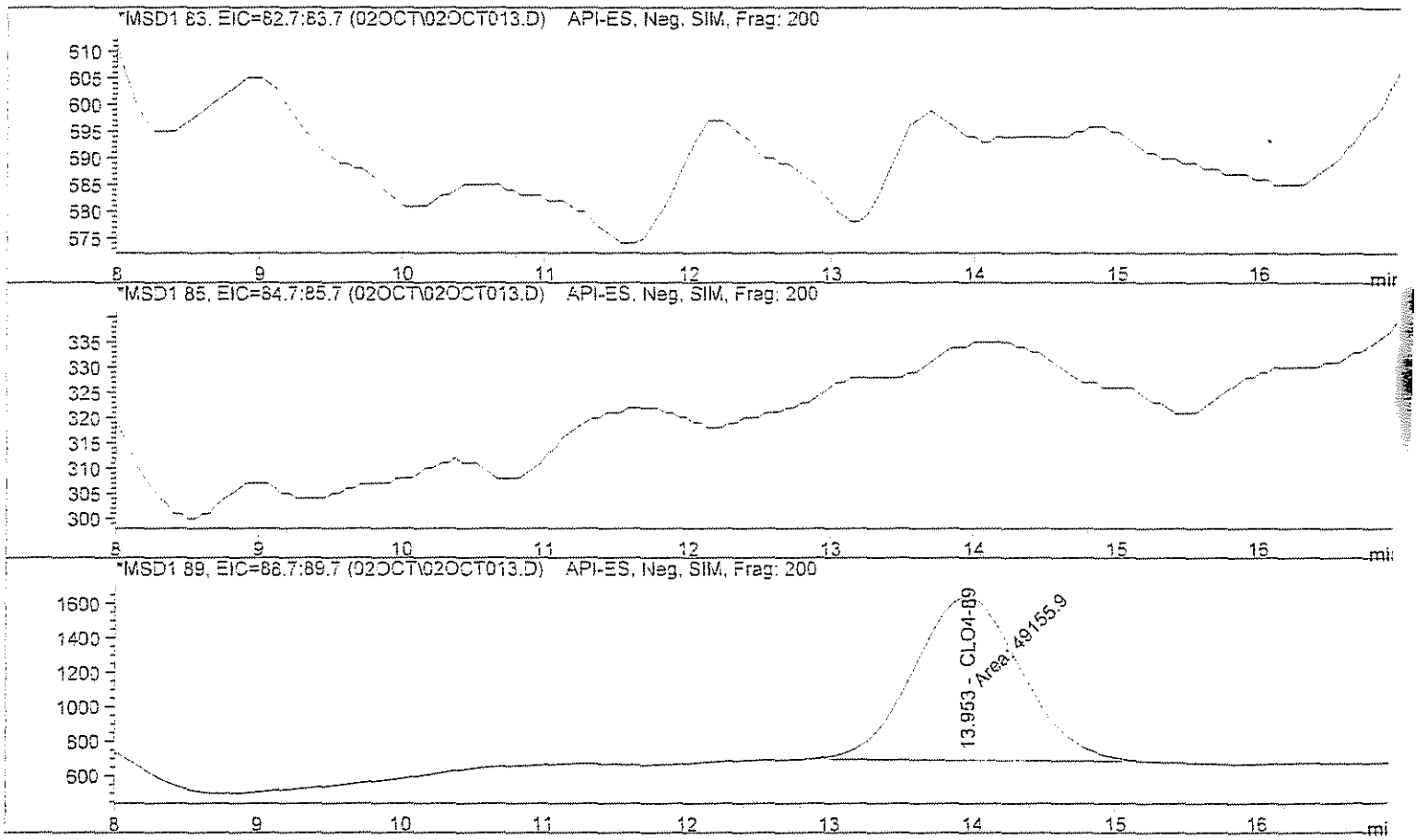
2 Warnings or Errors :

Warning : Calibrated compound(s) not found
Warning : Amount limits exceeded

==========

*** End of Report ***

```
Injection Date  : 10/2/2006 8:24:09 PM          Seq. Line :  13
Sample Name     : 06E04466                       Location : Vial 14
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 6:16:47 PM by TTM
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```




```
Internal Standard Report

Sorted By              :      Signal
Calib. Data Modified   :      10/2/2006 2:36:05 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #      [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==================================================================
Injection Date  : 10/2/2006 6:24:09 PM          Seq. Line :  13
Sample Name     : 06E04466                       Location : Vial 14
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 ul
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 6:16:47 PM by TTM
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.922		-	-	-	-	Perchlorate

Totals without ISTD(s) : 0.00000

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.951		-	-	-		CLO4-85

Totals without ISTD(s) : 0.00000

Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.953	MM +I	4.91559e4	1.00000	5.00000		CLO4-89

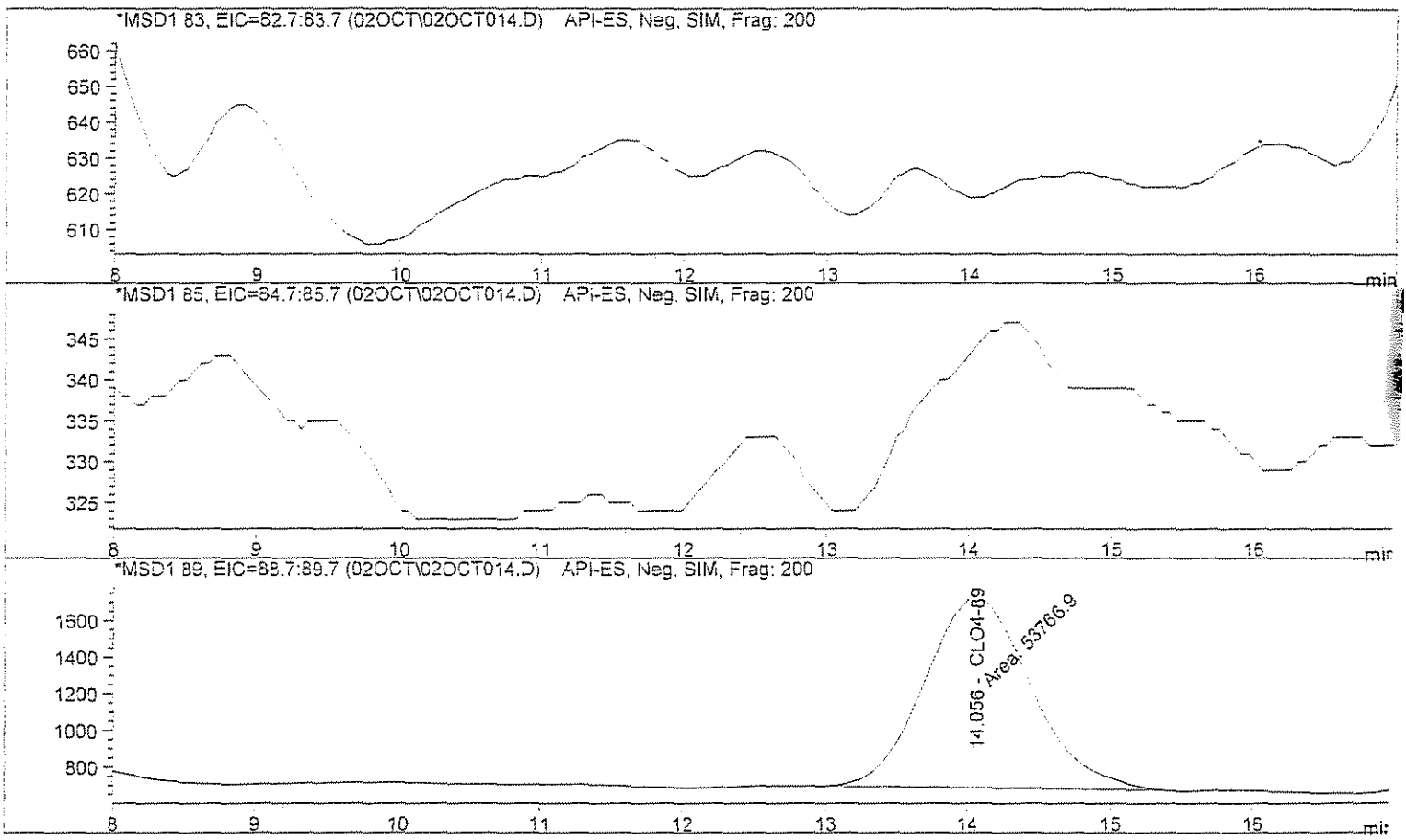
Totals without ISTD(s) : 0.00000

2 Warnings or Errors :

Warning : Calibrated compound(s) not found
Warning : Amount limits exceeded

==========
*** End of Report ***

```
Injection Date  : 10/2/2006 8:45:37 PM          Seq. Line :  14
Sample Name     : 06E04467                       Location : Vial 15
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 6:16:47 PM by TTM
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```




```
                    Internal Standard Report

Sorted By              :      Signal
Calib. Data Modified   :      10/2/2006 2:36:05 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|------------|-------------------------
  1      5.00000   CLO4-89
```

```
==================================================================
Injection Date  : 10/2/2006 8:45:37 PM          Seq. Line :  14
Sample Name     : 06E04467                       Location : Vial 15
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 6:16:47 PM by TTM
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.025		-	-	-	-	Perchlorate

Totals without ISTD(s) : 0.00000

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.054		-	-	-		CLO4-85

Totals without ISTD(s) : 0.00000

Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.056	MM +I	5.37669e4	1.00000	5.00000		CLO4-89

Totals without ISTD(s) : 0.00000

2 Warnings or Errors :

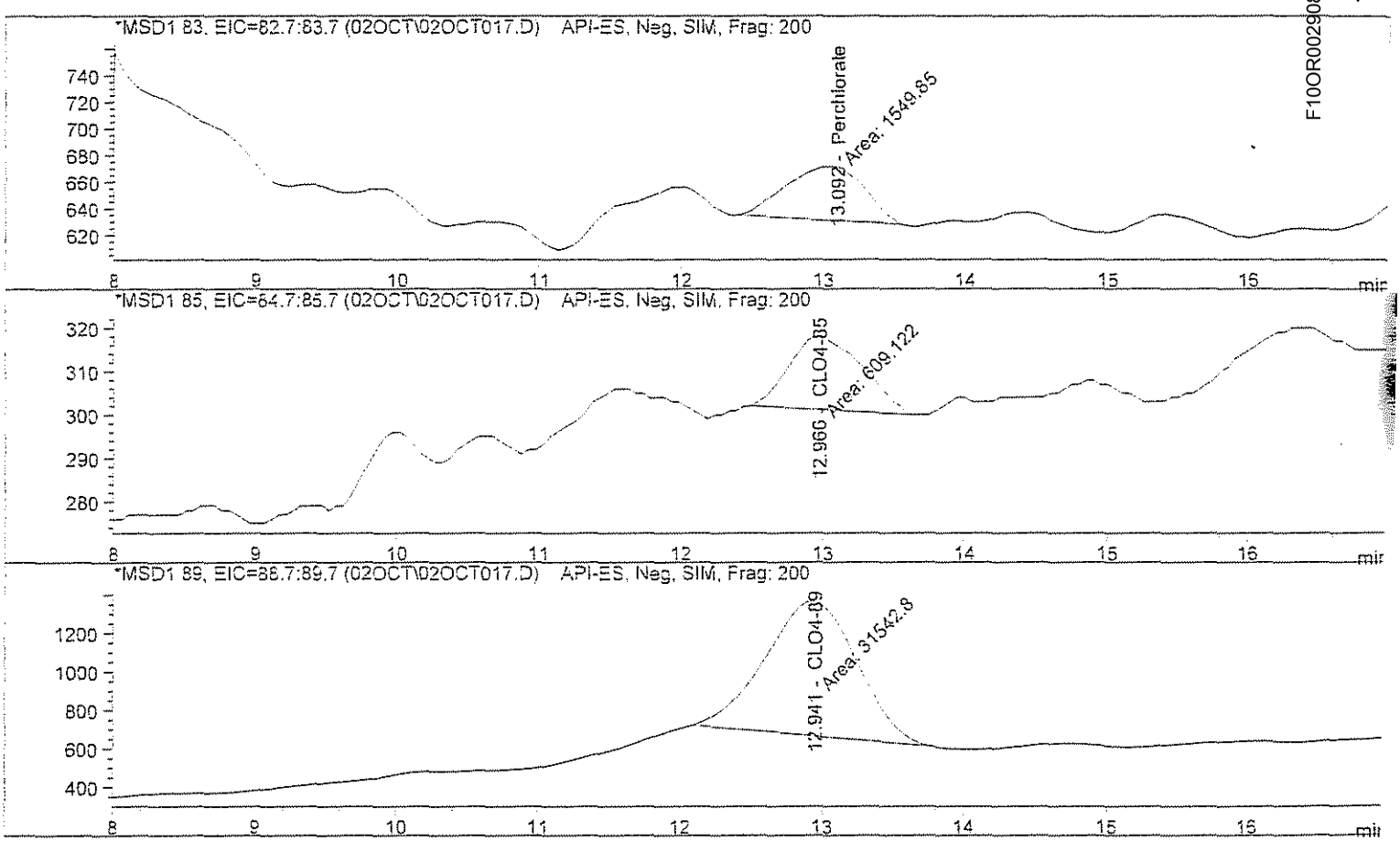
Warning : Calibrated compound(s) not found
Warning : Amount limits exceeded

==========

*** End of Report ***

```
Injection Date  : 10/2/2006 9:50:04 PM          Seq. Line :  17
Sample Name     : ICS RR                         Location : Vial 3
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 6:16:47 PM by TTM
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```

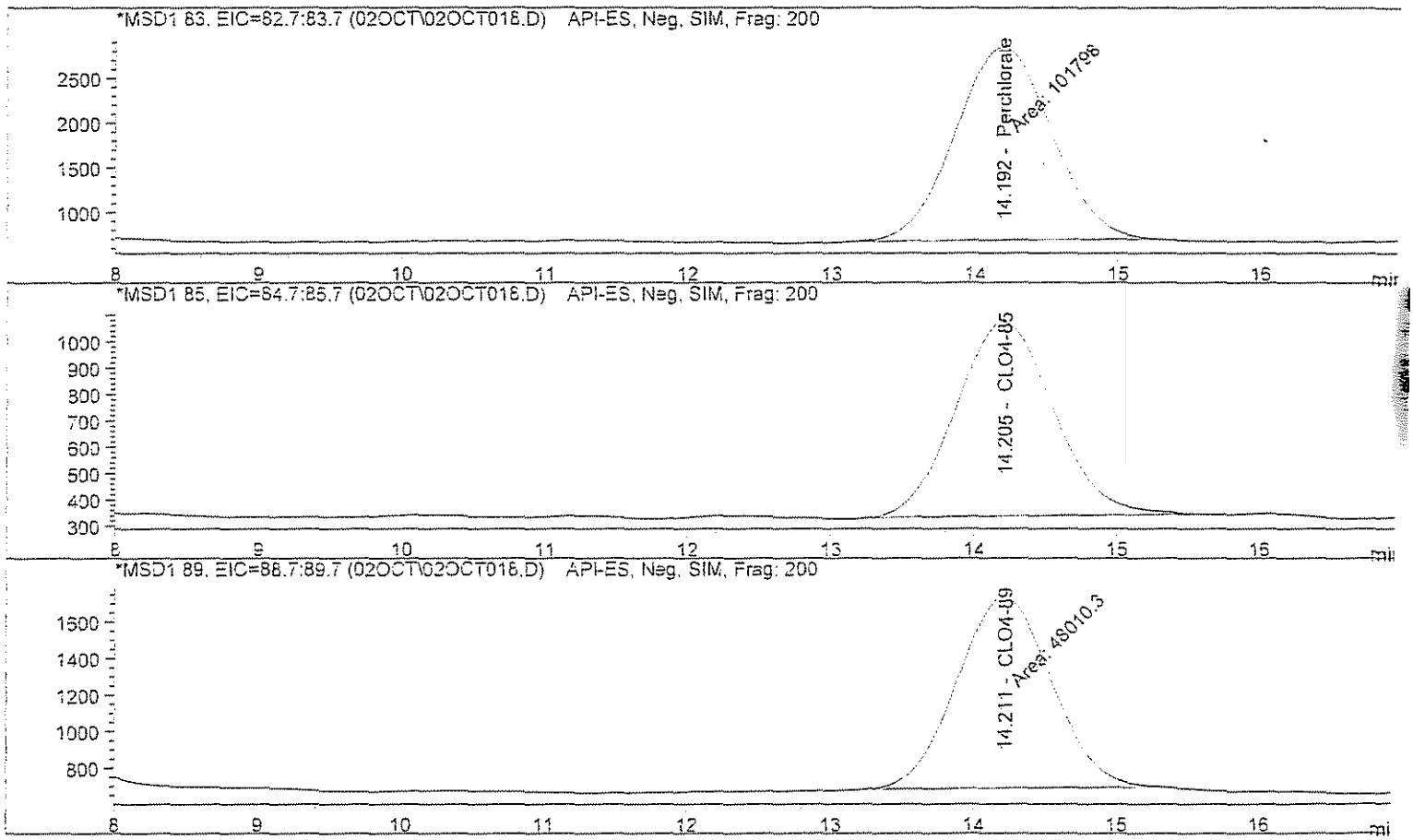
200-1e
F10OR002908_01.09_0508_a




```
                    Internal Standard Report

Sorted By              :      Signal
Calib. Data Modified   :      10/2/2006 2:36:05 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Sample Amount          :   2.00000e-1  [ug/L]    (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-39
```

```
==========================================================================
Injection Date  : 10/2/2006 9:50:04 PM          Seq. Line :  17
Sample Name     : ICS RR                         Location : Vial 3
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                       Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 6:16:47 PM by TTM
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==========================================================================


Signal 1: MSD1 83, EIC=82.7:83.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 13.092 MM     1549.85327 9.78851e-1 2.40406e-1     Perchlorate

Totals without ISTD(s) :              2.40406e-1


Signal 2: MSD1 85, EIC=84.7:85.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 12.966 MM      609.12207    2.29221 2.21324e-1     CLO4-85

Totals without ISTD(s) :              2.21324e-1


Signal 3: MSD1 89, EIC=88.7:89.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 12.941 MM  +I 3.15428e4     1.00000    5.00000     CLO4-99

Totals without ISTD(s) :                0.00000


1 Warnings or Errors :

Warning : Elution order of calibrated compounds may have changed

==========================================================================
                          *** End of Report ***
```

```
Injection Date  : 10/2/2006 10:11:34 PM          Seq. Line :  18
Sample Name     : CCV2                            Location : Vial 6
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 6:16:47 PM by TTM
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```



Internal Standard Report

```
Sorted By              :      Signal
Calib. Data Modified   :      10/2/2006 2:36:05 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Sample Amount          :     10.00000  [ug/L]    (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount    Name
  #      [ug/L]
----|-------------|-------------------------
  1      5.00000    CLO4-89
```

```
==================================================================
Injection Date  : 10/2/2006 10:11:34 PM          Seq. Line :  18
Sample Name     : CCV2                            Location : Vial 6
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 6:16:47 PM by TTM
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.192	MM	1.01798e5	9.86643e-1	10.46012		Perchlorate

Totals without ISTD(s) : 10.46012

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.205	PBA	3.51136e4	3.06989	11.22624		CLO4-85

Totals without ISTD(s) : 11.22624

Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

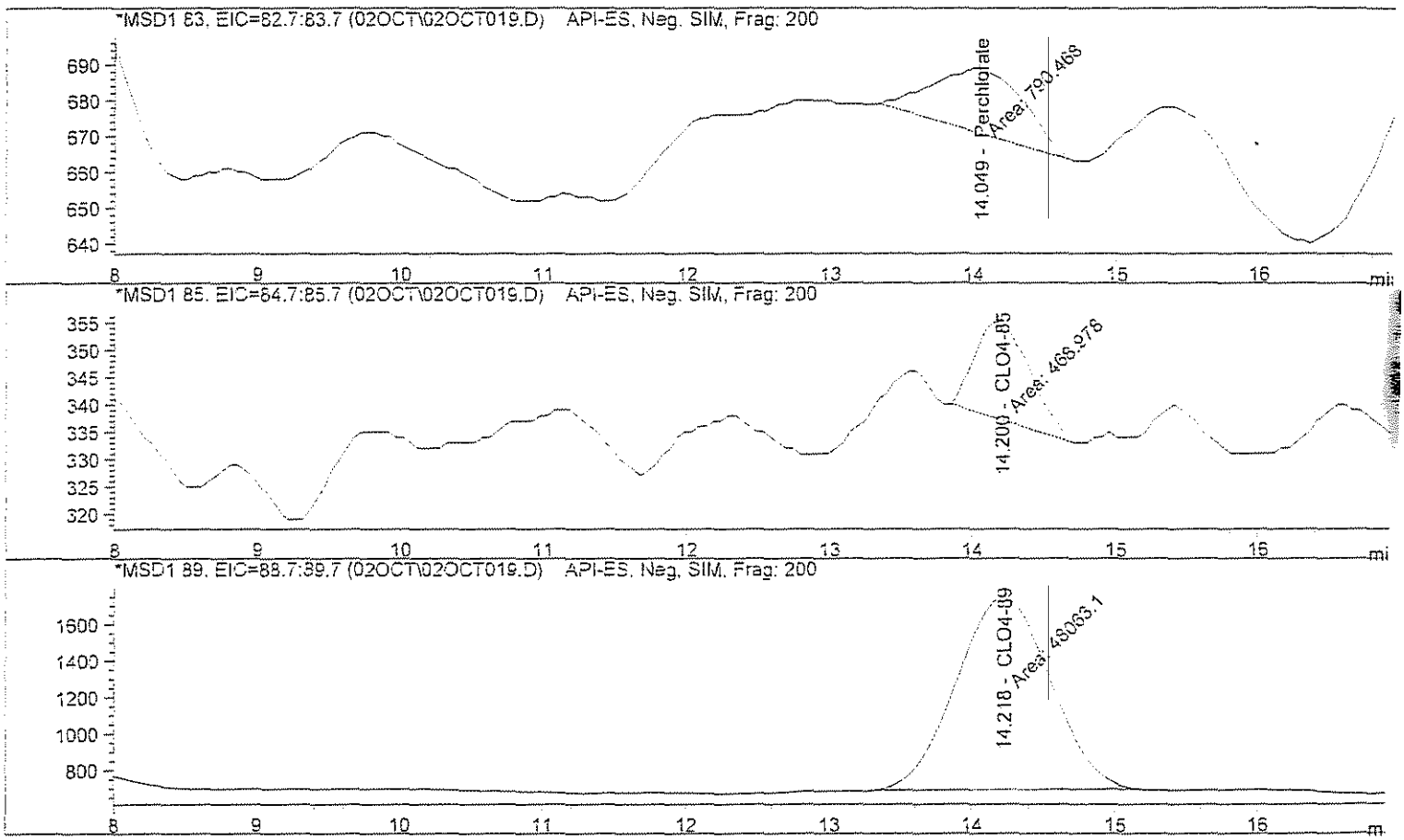
RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.211	MM +I	4.80103e4	1.00000	5.00000		CLO4-89

Totals without ISTD(s) : 0.00000

==========

*** End of Report ***

```
==================================================================
Injection Date  : 10/2/2006 10:33:03 PM          Seq. Line :  19
Sample Name     : LODV2                           Location : Vial 2
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 6:16:47 PM by TTM
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================
```




```
==================================================================
                    Internal Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      10/2/2006 2:36:05 PM
Multiplier            :      1.0000
Dilution              :      1.0000
Sample Amount         :   1.00000e-1  [ug/L]    (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==================================================================
Injection Date  : 10/2/2006 10:33:03 PM          Seq. Line :  19
Sample Name     : LODV2                           Location : Vial 2
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 10/2/2006 6:16:47 PM by TTM
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:36:11 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.049	MM	790.46814	9.17991e-1	7.54886e-2	-	Perchlorate

Totals without ISTD(s) : 7.54886e-2

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.200	MM	468.97824	1.45951	7.12065e-2		CLO4-85

Totals without ISTD(s) : 7.12065e-2

Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
14.216	MM +I	4.80631e4	1.00000	5.00000		CLO4-89

Totals without ISTD(s) : 0.00000

1 Warnings or Errors :

Warning : Amount limits exceeded

==========

*** End of Report ***

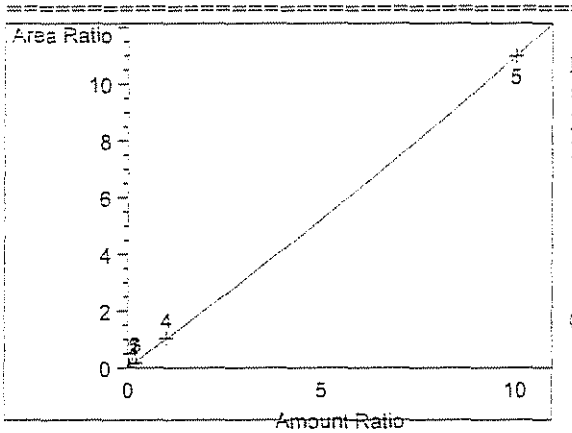
DATA CHEM LABORATORIES, INC.

Calibration

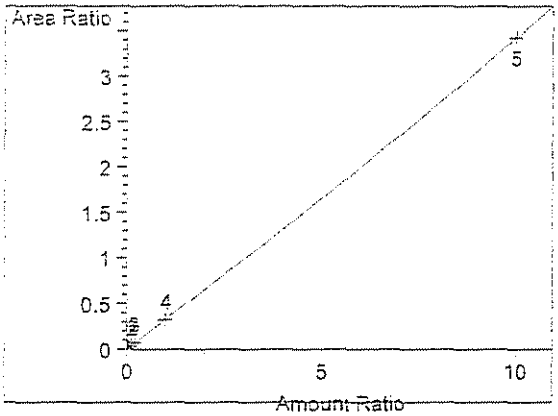
Raw Data

```
==========================================================================
                          Calibration Table
==========================================================================

Perchlorate

Calib. Data Modified  :      10/2/2006 2:36:05 PM

Calculate             :      Internal Standard
Based on              :      Peak Area

Rel. Reference Window :      5.000 %
Abs. Reference Window :      0.000 min
Rel. Non-ref. Window  :      5.000 %
Abs. Non-ref. Window  :      0.000 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks    :      not reported
Partial Calibration   :      No recalibration if peaks missing

Curve Type            :      Linear (some peaks differ, see below)
Origin                :      Ignored (some peaks differ, see below)
Weight                :      Linear (Amnt) (some peaks differ, see below)

Recalibration Settings:
Average Response      :      Average all calibrations
Average Retention Time:      Floating Average New 75%

Calibration Report Options :
    Printout of recalibrations within a sequence:
        Calibration Table after Recalibration
        Normal Report after Recalibration
    If the sequence is done with bracketing:
        Results of first cycle (ending previous bracket)

Default Sample ISTD Information (if not set in sample table):
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89

Signal 1: MSD1 83, EIC=82.7:83.7
Signal 2: MSD1 85, EIC=84.7:85.7
Signal 3: MSD1 89, EIC=88.7:89.7

RetTime   Lvl   Amount      Area      Amt/Area  Ref Grp Name
 [min] Sig      [ug/L]
-------|--|--|----------|----------|----------|---|--|---------------
 13.850  1  1 2.00000e-1 2060.67554 9.70556e-5   1    Perchlorate
            2 5.00000e-1 5394.30225 9.26904e-5
            3    1.00000 8562.65625 1.16786e-4
            4    5.00000 5.02730e4  9.94570e-5
            5   50.00000 5.16450e5  9.68149e-5
 13.878  2  1 2.00000e-1  799.06976 2.50291e-4   1    CLO4-85
            2 5.00000e-1 1876.89197 2.66398e-4
            3    1.00000 3764.60376 2.65632e-4
            4    5.00000 1.57114e4  3.18241e-4
            5   50.00000 1.61144e5  3.10282e-4
 13.880  3  1    5.00000 4.65405e4  1.07433e-4 +I1    CLO4-89
            2    5.00000 5.08891e4  9.82528e-5
            3    5.00000 5.07936e4  9.84377e-5
            4    5.00000 4.89311e4  1.02185e-4
            5    5.00000 4.70519e4  1.06266e-4

More compound-specific settings:

Compound: Perchlorate
  Amount Limits            : Low 8.00000e-2  High   60.00000
  Time Window              : 13.850 min To 20.850 min
```

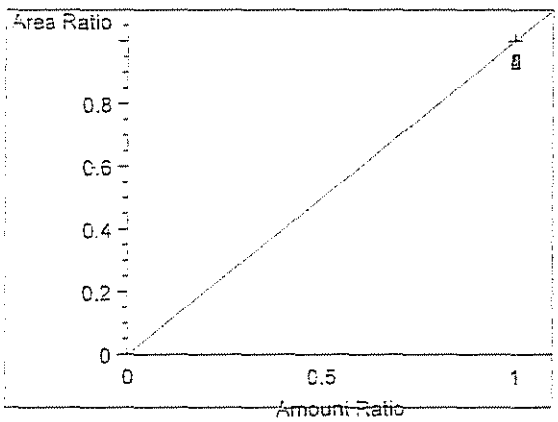
```
    Curve Type                  : Quadratic
    Origin                      : Ignored
    Calibration Level Weights:/
      Level 1                   : 1
      Level 2                   : 0.4
      Level 3                   : 0.2
      Level 4                   : 0.04
      Level 5                   : 0.004

  Compound: CLO4-85
    Time Window                 : From 4.878 min To 20.878 min
    Curve Type                  : Quadratic
    Origin                      : Ignored
    Calibration Level Weights:/
      Level 1                   : 1
      Level 2                   : 0.4
      Level 3                   : 0.2
      Level 4                   : 0.04
      Level 5                   : 0.004

  Compound: CLO4-89
    Time Window                 : From 4.880 min To 20.880 min
    Curve Type                  : Linear
    Origin                      : Included
    Calibration Level Weights:/
      Level 1                   : 1
      Level 2                   : 1
      Level 3                   : 1
      Level 4                   : 1
      Level 5                   : 1
==================================================================================
                                Peak Sum Table
==================================================================================

***No Entries in table***
==================================================================================
==================================================================================
                              Calibration Curves
==================================================================================
```




```
Perchlorate at exp. RT: 13.850
MSD1 83, EIC=82.7:83.7
Correlation:            0.99976
Residual Std. Dev.:     0.02342
Formula: y = ax² + bx + c
      a:      1.07278e-2
      b:      9.90382e-1
      c:      1.49152e-3
      x: Amount Ratio
      y: Area Ratio
Calibration Level Weights:
    Level 1     : 1
    Level 2     : 0.4
    Level 3     : 0.2
    Level 4     : 0.04
    Level 5     : 0.004
```



CLO4-85 at exp. RT: 13.878
MSD1 85, EIC=84.7:85.7
Correlation: 0.99993
Residual Std. Dev.: 0.00403
Formula: $y = ax^2 + bx + c$
a: 2.38635e-3
b: 3.18058e-1
c: 5.22751e-3
x: Amount Ratio
y: Area Ratio
Calibration Level Weights:
Level 1 : 1
Level 2 : 0.4
Level 3 : 0.2
Level 4 : 0.04
Level 5 : 0.004



CLO4-89 at exp. RT: 13.880
MSD1 89, EIC=88.7:89.7
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio
Calibration Level Weights:
Level 1 : 1
Level 2 : 1
Level 3 : 1
Level 4 : 1
Level 5 : 1

==========

Batch Review Method:
C:\HPCHEM\1\METHODS\CLO4-DOD.M

['#' ==> Run has not been reprocessed with Batch Review Method
'*' ==> Run has been saved with batch file]

#	DataFile	Sample	Location	Dil	Perchlorate RT	Perchlorate Area	Perchlorate Amount
*	02OCT002.D	$50	Vial 92	1e0	14.183	5.16450e5	49.99[illegible]
*	02OCT003.D	$5	Vial 93	1e0	13.913	5.02730e4	5.122[illegible]
*	02OCT004.D	$1	Vial 94	1e0	13.888	8562.65625	8.42007e-[illegible]
*	02OCT005.D	$0.5	Vial 95	1e0	13.844	5394.30225	5.27020e-[illegible]
*	02OCT006.D	$0.2	Vial 96	1e0	13.954	2060.67554	2.15904e-[illegible]
*	02OCT007.D	ICV	Vial 97	1e0	13.890	1.10986e5	10.2404[illegible]

#	DataFile	Sample	Location	Dil	CLO4-85 RT	CLO4-85 Area	CLO4-8[illegible] Amount
*	02OCT002.D	$50	Vial 92	1e0	14.201	1.61144e5	50.00491
*	02OCT003.D	$5	Vial 93	1e0	13.922	1.57114e4	4.92904
*	02OCT004.D	$1	Vial 94	1e0	13.923	3764.60376	1.08120
*	02OCT005.D	$0.5	Vial 95	1e0	13.903	1876.89197	4.97249e-1
*	02OCT006.D	$0.2	Vial 96	1e0	13.878	799.06976	1.87677e-1
*	02OCT007.D	ICV	Vial 97	1e0	13.909	3.54375e4	10.17722

#	DataFile	Sample	Location	Dil	CLO4-89 RT	CLO4-89 Area	CLO4-89 Amount
*	02OCT002.D	$50	Vial 92	1e0	14.198	4.70519e4	5.00000
*	02OCT003.D	$5	Vial 93	1e0	13.926	4.89311e4	5.00000
*	02OCT004.D	$1	Vial 94	1e0	13.921	5.07936e4	5.00000
*	02OCT005.D	$0.5	Vial 95	1e0	13.888	5.08891e4	5.00000
*	02OCT006.D	$0.2	Vial 96	1e0	13.880	4.65405e4	5.00000
*	02OCT007.D	ICV	Vial 97	1e0	13.916	5.34902e4	5.00000

*** End of Report ***

FT00R002908_01109_0508_a

Sequence Table:

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 91	MCV	CLO4SCAN	1	Sample		02OCT001
2	Vial 92	$50	CLO4-ON	1	Sample		02OCT002
3	Vial 93	$5	CLO4-ON	1	Sample		02OCT003
4	Vial 94	$1	CLO4-ON	1	Sample		02OCT004
5	Vial 95	$0.5	CLO4-ON	1	Sample		02OCT005
6	Vial 96	$0.2	CLO4-ON	1	Sample		02OCT006
7	Vial 97	ICV	CLO4-ON	1	Sample		02OCT007

DATA CHEM LABORATORIES
A Sorenson Company

Mass Calibration Verification Form

Initial Calibration Date: 10/02/06 Sample Name: MCV

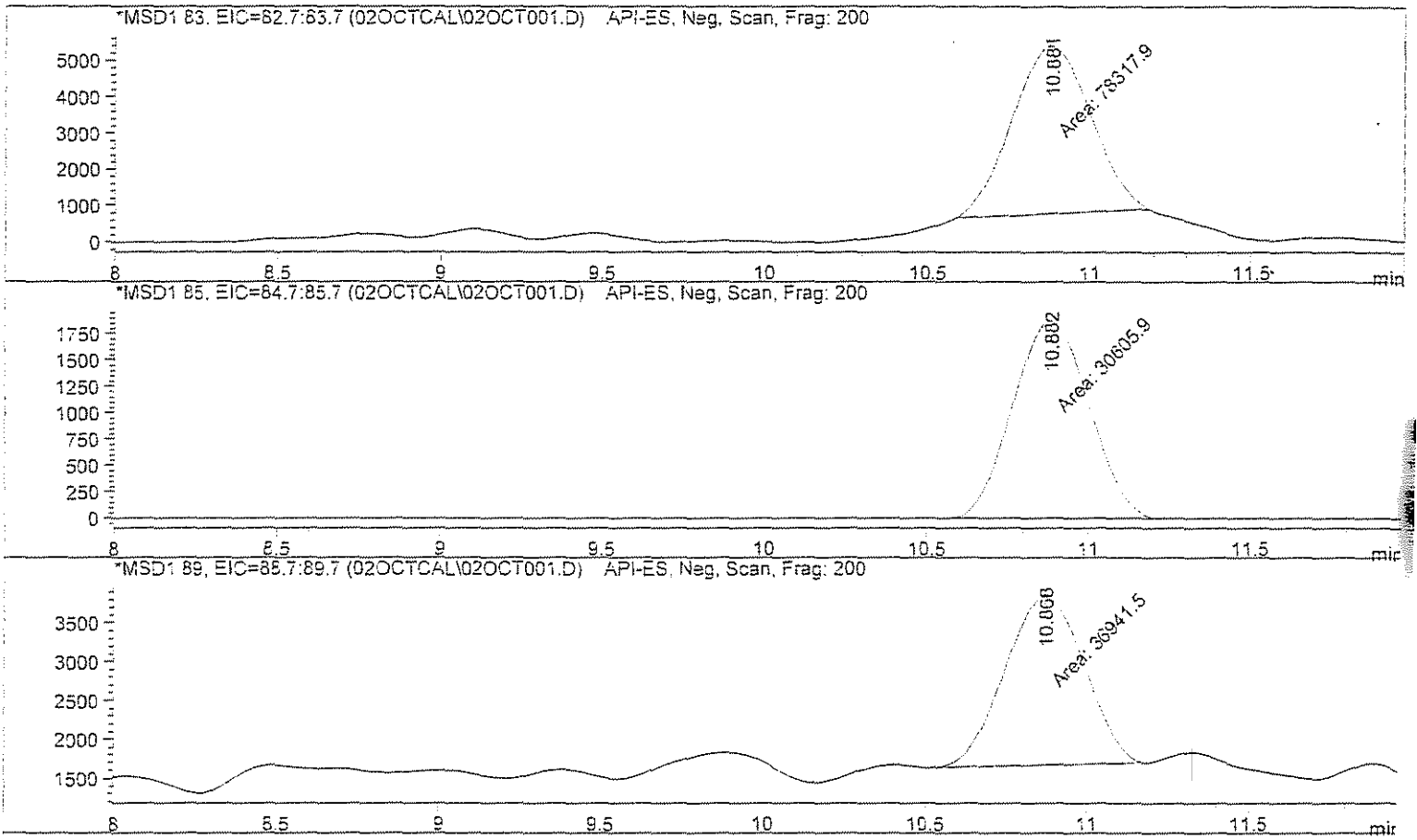
Instrument ID: LCMS02 Date and Time Analyzed: 10/02/2006 10:18

Target Compound	Target m/z	Observed m/z	Difference	Pass/Fail
$^{35}Cl^{16}O_3$	83.0	82.9	0.1	Pass
$^{37}Cl^{16}O_3$	85.0	84.9	0.1	Pass
$^{35}Cl^{16}O_3$	89.0	89.1	0.1	Pass

Control limit = ± 0.3

Comment: None.

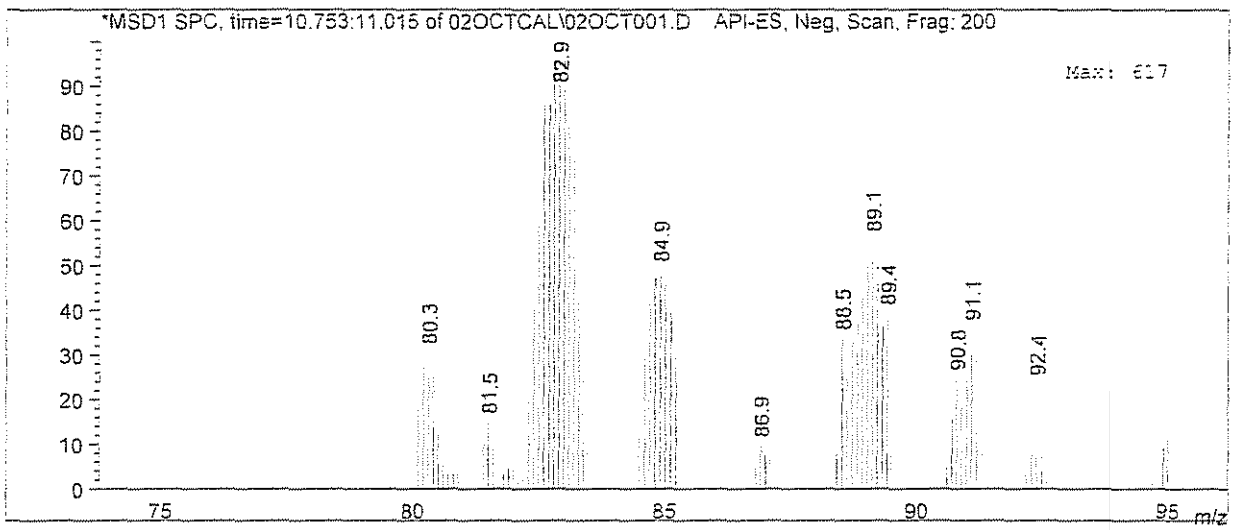
```
==================================================================
Injection Date  : 10/2/2006 10:18:31 AM          Seq. Line :   1
Sample Name     : MCV                             Location : Vial 91
Acq. Operator   : TTM                                  Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Method          : C:\HPCHEM\1\METHODS\CLO4SCAN.M
Last changed    : 9/26/2006 12:14:39 PM by TTM
Test for perchlorate.
==================================================================
```



```
==================================================================
Injection Date  : 10/2/2006 10:18:31 AM          Seq. Line :   1
Sample Name     : MCV                             Location : Vial 91
Acq. Operator   : TTM                                  Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Method          : C:\HPCHEM\1\METHODS\CLO4SCAN.M
Last changed    : 9/26/2006 12:14:39 PM by TTM
~~Test for perchlorate.~~
==================================================================
```

MS Signal: MSD1 83, EIC=82.7:83.7, API-ES, Neg, Scan, Frag: 200
Spectra averaged over upper half of peaks.
Noise Cutoff: 1000 counts.
Reportable Ion Abundance: > 10%.

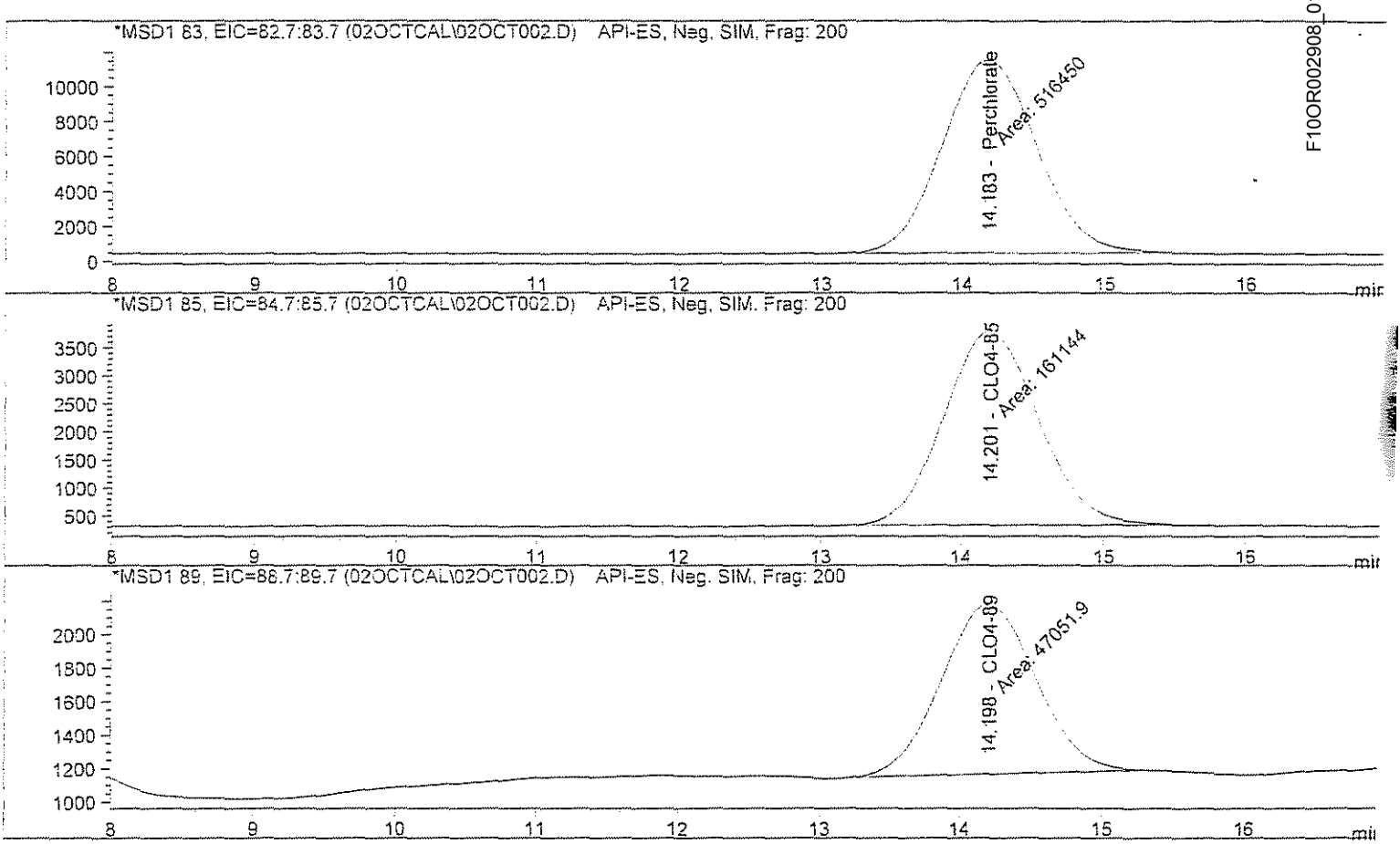
Retention Time (MS)	MS Area	Mol. Weight or Ion
10.881	78318	



*** End of Report ***

```
Injection Date  : 10/2/2006 10:32:16 AM          Seq. Line :   2
Sample Name     : S50                             Location : Vial 92
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:29:20 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```

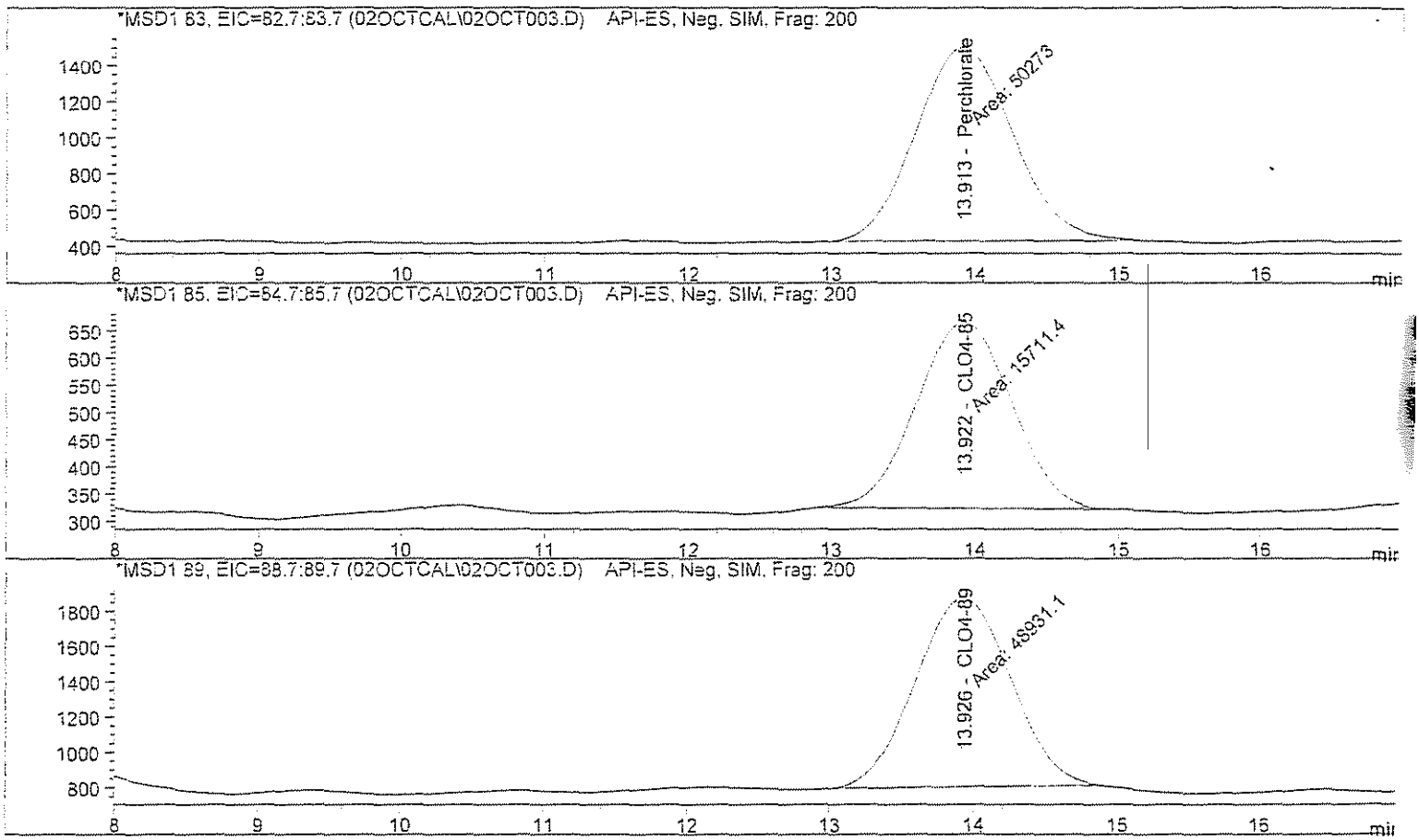
200-1e
F10OR002908_01.09_0508_a




```
Internal Standard Report

Sorted By             :      Signal
Calib. Data Modified  :      Monday, October 02, 2006 2:29:15 PM
Multiplier            :      1.0000
Dilution              :      1.0000
Sample Amount         :     50.00000  [ug/L]    (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|------------------------
  1      5.00000   CLO4-89
```

```
==================================================================
Injection Date  : 10/2/2006 10:32:16 AM          Seq. Line :   2
Sample Name     : S50                             Location : Vial 92
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:29:20 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================


Signal 1: MSD1 83, EIC=82.7:83.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 14.183 MM     5.16450e5  9.10919e-1   49.99203    Perchlorate

Totals without ISTD(s) :               49.99203


Signal 2: MSD1 85, EIC=84.7:85.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 14.201 MM     1.61144e5     2.92016   50.00491    CLO4-85

Totals without ISTD(s) :               50.00491


Signal 3: MSD1 89, EIC=88.7:89.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 14.198 MM  +I 4.70519e4     1.00000    5.00000    CLO4-89

Totals without ISTD(s) :                0.00000


1 Warnings or Errors :

Warning : Elution order of calibrated compounds may have changed

==================================================================
                        *** End of Report ***
```

```
Injection Date  : 10/2/2006 10:53:48 AM          Seq. Line :   3
Sample Name     : S5                              Location : Vial 93
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:29:20 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      Monday, October 02, 2006 2:29:15 PM
Multiplier            :      1.0000
Dilution              :      1.0000
Sample Amount         :      5.00000  [ug/L]    (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount    Name
  #      [ug/L]
----|-------------|------------------------
  1      5.00000   CLO4-89
```

```
==================================================================
Injection Date  : 10/2/2006 10:53:48 AM          Seq. Line :   3
Sample Name     : S5                              Location : Vial 93
Acq. Operator   : TTM                                  Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 ul
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:29:20 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.913	MM	5.02730e4	9.87179e-1	5.12263		Perchlorate

Totals without ISTD(s) : 5.12263

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.922	MM	1.57114e4	3.07018	4.82904		CLO4-85

Totals without ISTD(s) : 4.82904

Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.926	MM +I	4.89311e4	1.00000	5.00000		CLO4-89

Totals without ISTD(s) : 0.00000

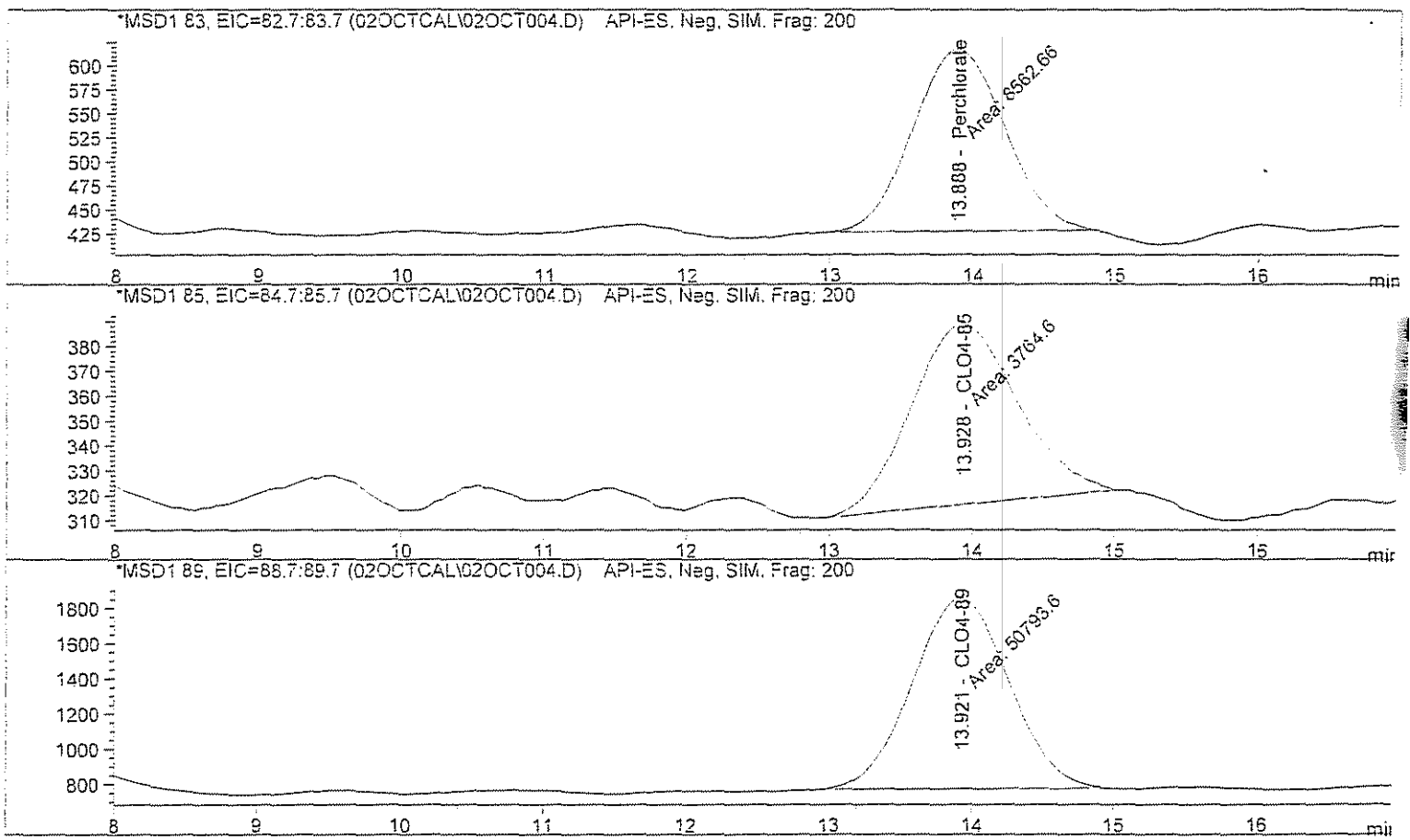
1 Warnings or Errors :

Warning : Elution order of calibrated compounds may have changed

==========

*** End of Report ***

```
Injection Date  : 10/2/2006 11:15:20 AM          Seq. Line :   4
Sample Name     : S1                              Location : Vial 94
Acq. Operator   : TTM                                Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:29:20 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```

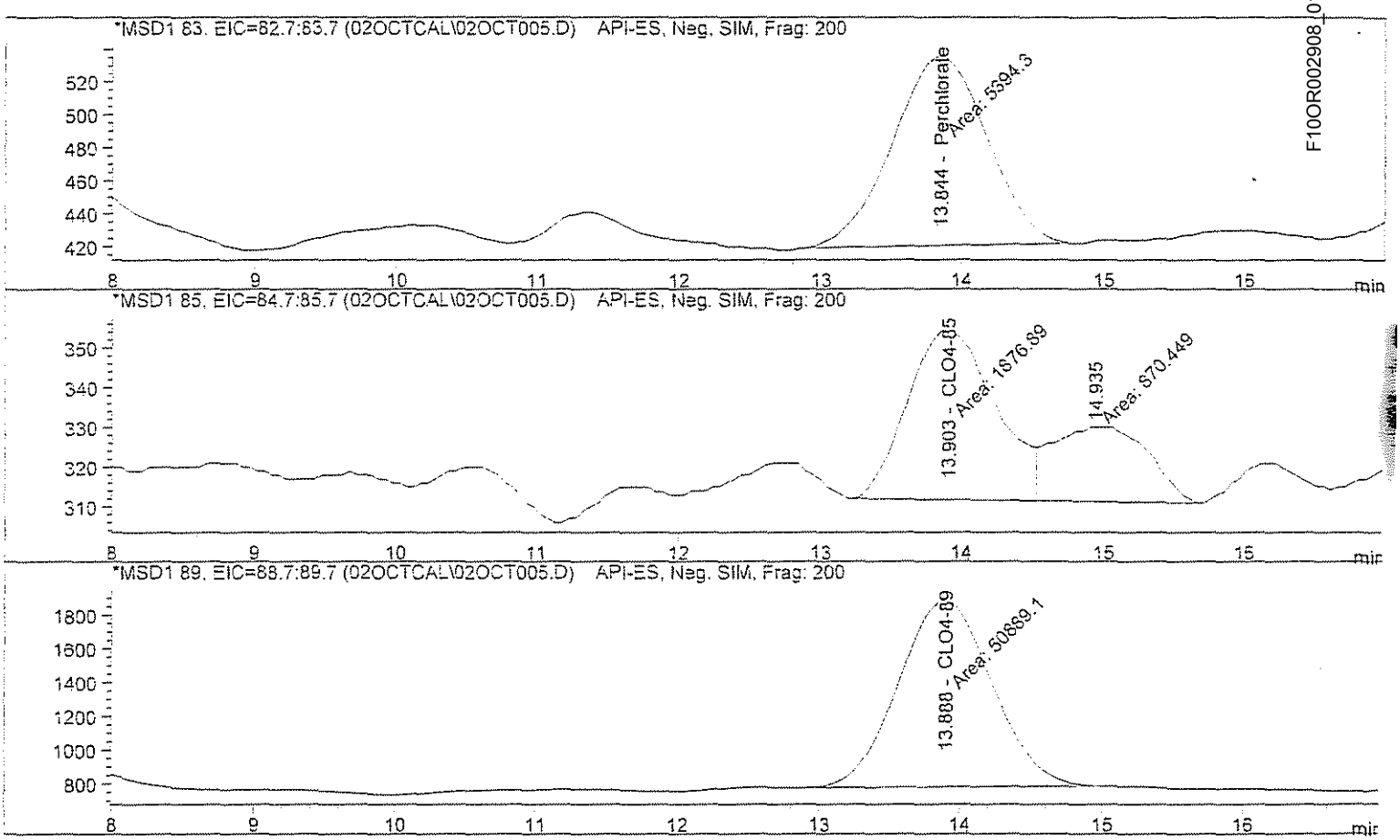



```
Internal Standard Report

Sorted By              :      Signal
Calib. Data Modified   :      Monday, October 02, 2006 2:29:15 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Sample Amount          :      1.00000  [ug/L]    (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==========================================================================
Injection Date  : 10/2/2006 11:15:20 AM          Seq. Line :   4
Sample Name     : S1                              Location : Vial 94
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:29:20 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==========================================================================


Signal 1: MSD1 83, EIC=82.7:83.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 13.888 MM     8562.65625 9.98955e-1 8.42007e-1    Perchlorate

Totals without ISTD(s) :              8.42007e-1


Signal 2: MSD1 85, EIC=84.7:85.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 13.928 MM     3764.60376    2.91759    1.08120    CLO4-85

Totals without ISTD(s) :                1.08120


Signal 3: MSD1 89, EIC=88.7:89.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 13.921 MM  +I 5.07936e4     1.00000    5.00000    CLO4-89

Totals without ISTD(s) :                0.00000


1 Warnings or Errors :

Warning : Elution order of calibrated compounds may have changed

==========================================================================
                          *** End of Report ***
```

```
Injection Date  : 10/2/2006 11:36:53 AM          Seq. Line :   5
Sample Name     : S0.5                            Location : Vial 95
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:29:20 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```

200-1e
F10OR002908_01.09_0508_a

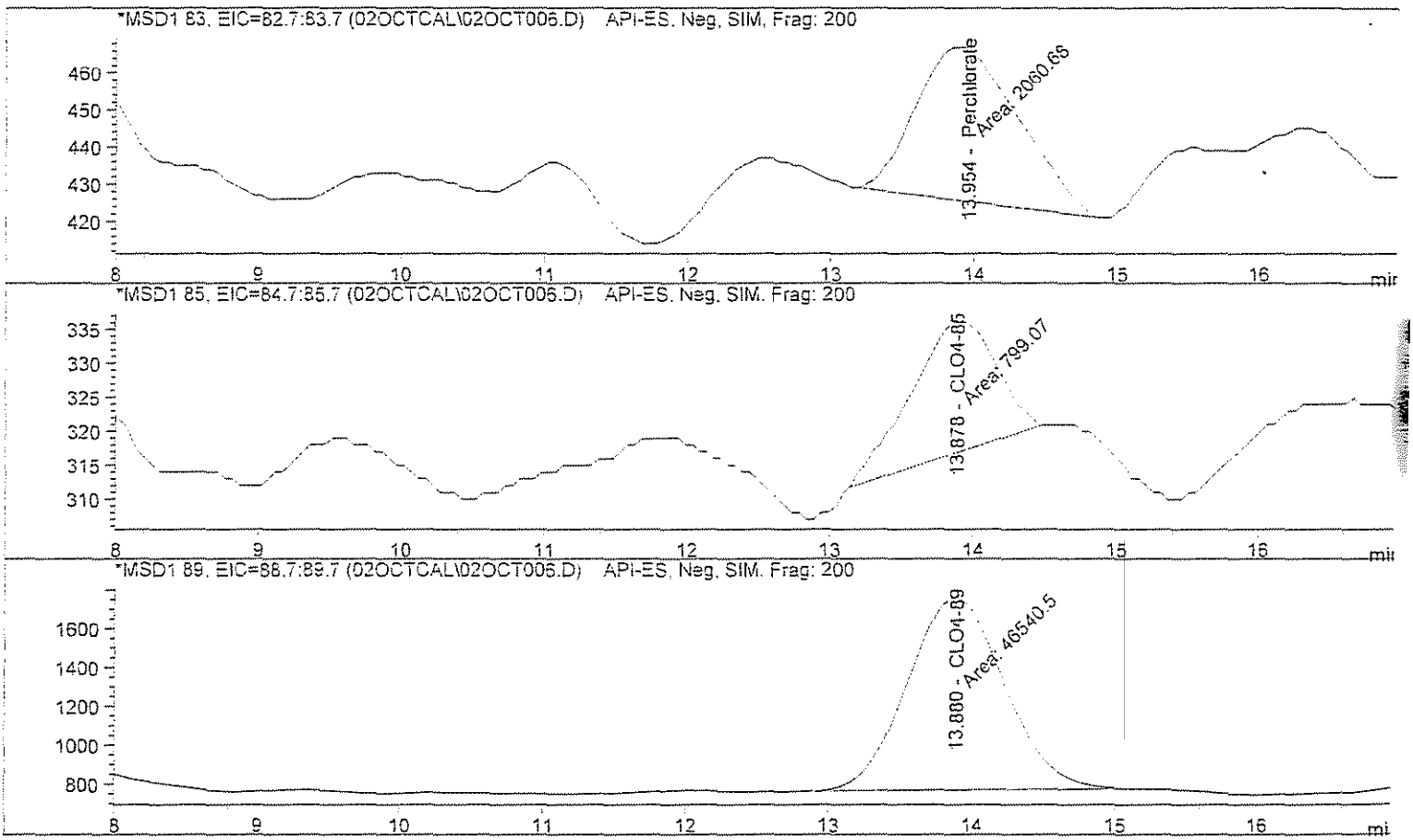


Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      Monday, October 02, 2006 2:29:15 PM
Multiplier            :      1.0000
Dilution              :      1.0000
Sample Amount         :   5.00000e-1  [ug/L]    (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|------------------------
  1      5.00000   CLO4-89
```

```
==================================================================
Injection Date  : 10/2/2006 11:36:53 AM          Seq. Line :   5
Sample Name     : S0.5                            Location : Vial 95
Acq. Operator   : TTM                                  Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:29:20 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================


Signal 1: MSD1 83, EIC=82.7:83.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 13.844 MM     8394.30225 9.94368e-1 5.27020e-1    Perchlorate

Totals without ISTD(s) :              5.27020e-1


Signal 2: MSD1 85, EIC=84.7:85.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 13.903 MF     1876.89197    2.69643 4.97249e-1    CLO4-85

Totals without ISTD(s) :              4.97249e-1


Signal 3: MSD1 89, EIC=88.7:89.7
 Signal has been modified after loading from rawdata file!

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]                       ratio      [ug/L]
-------|------|----------|----------|----------|--|------------------
 13.888 MM  -I 5.08891e4     1.00000    5.00000    CLO4-89

Totals without ISTD(s) :                0.00000


1 Warnings or Errors :

Warning : Elution order of calibrated compounds may have changed

==================================================================
                      *** End of Report ***
```

```
Injection Date  : 10/2/2006 11:58:22 AM          Seq. Line :   6
Sample Name     : $0.2                            Location : Vial 96
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-OK.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:29:20 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```



Internal Standard Report

```
Sorted By              :      Signal
Calib. Data Modified   :      Monday, October 02, 2006 2:29:15 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Sample Amount          :   2.00000e-1  [ug/L]   (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
Injection Date  : 10/2/2006 11:58:22 AM          Seq. Line :   6
Sample Name     : S0.2                            Location : Vial 96
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 ul
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:29:20 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```

Signal 1: MSD1 83, EIC=82.7:83.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.954	MM	2060.67554	9.75242e-1	2.15904e-1		Perchlorate

Totals without ISTD(s) : 2.15904e-1

Signal 2: MSD1 85, EIC=84.7:85.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.878	MM	799.06976	2.18619	1.87677e-1		CLO4-85

Totals without ISTD(s) : 1.87677e-1

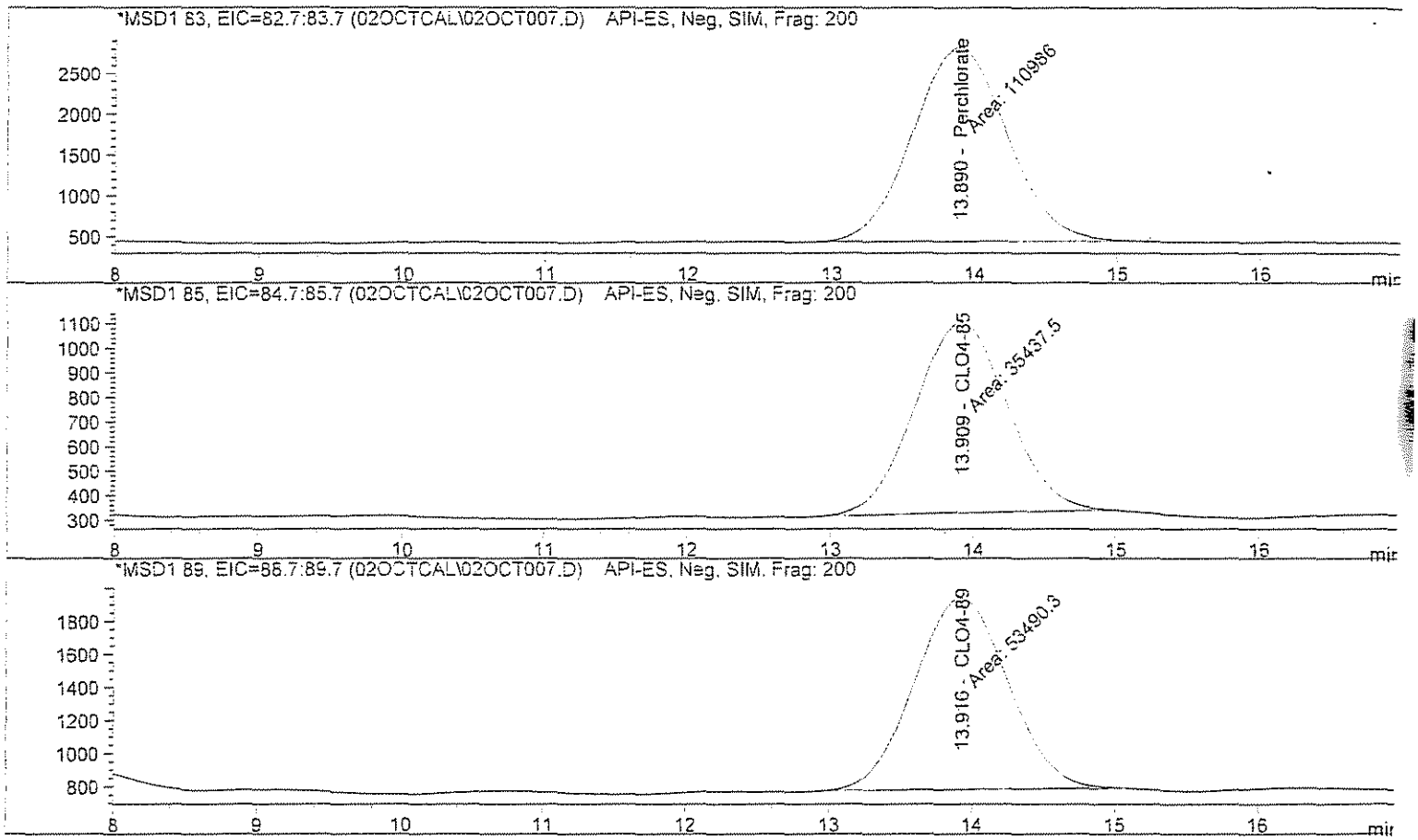
Signal 3: MSD1 89, EIC=88.7:89.7
Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area	Amt/Area ratio	Amount [ug/L]	Grp	Name
13.880	MM +I	4.65405e4	1.00000	5.00000		CLO4-89

Totals without ISTD(s) : 0.00000

*** End of Report ***

```
Injection Date  : 10/2/2006 12:19:52 PM          Seq. Line :   7
Sample Name     : ICV                             Location : Vial 97
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                        Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:29:20 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
```



Internal Standard Report

```
Sorted By              :      Signal
Calib. Data Modified   :      Monday, October 02, 2006 2:29:15 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Sample Amount          :     10.00000  [ug/L]    (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #      [ug/L]
----|-------------|-------------------------
  1      5.00000   CLO4-89
```

```
==================================================================================
Injection Date  : 10/2/2006 12:19:52 PM          Seq. Line :   7
Sample Name     : ICV                             Location : Vial 97
Acq. Operator   : TTM                                 Inj :   1
Acq. Instrument : LCMS02                         Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\CLO4-ON.M
Last changed    : 9/26/2006 4:35:17 PM by TTM
Analysis Method : C:\HPCHEM\1\METHODS\CLO4-DOD.M
Last changed    : 10/2/2006 2:29:20 PM by TTM
                  (Results are from a previously saved Batch)
Perchlorate analysis
==================================================================================


          Signal 1: MSD1 83, EIC=82.7:83.7
           Signal has been modified after loading from rawdata file!

          RetTime  Type     Area      Amt/Area    Amount   Grp   Name
           [min]                       ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           13.890 MM     1.10986e5  9.87087e-1   10.24041    Perchlorate

          Totals without ISTD(s) :                10.24041


          Signal 2: MSD1 85, EIC=84.7:85.7
           Signal has been modified after loading from rawdata file!

          RetTime  Type     Area      Amt/Area    Amount   Grp   Name
           [min]                       ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           13.909 MM     3.54375e4     3.07235   10.17722    CLO4-85

          Totals without ISTD(s) :                10.17722


          Signal 3: MSD1 89, EIC=88.7:89.7
           Signal has been modified after loading from rawdata file!

          RetTime  Type     Area      Amt/Area    Amount   Grp   Name
           [min]                       ratio      [ug/L]
          -------|------|----------|----------|----------|--|------------------
           13.916 MM  +I 5.34902e4     1.00000    5.00000    CLO4-89

          Totals without ISTD(s) :                 0.00000


          1 Warnings or Errors :

          Warning : Elution order of calibrated compounds may have changed

          ==================================================================================
                                      *** End of Report ***
```

DATA CHEM
LABORATORIES
A Sorenson Company

Case Narrative

Method(s): LC/MS-CLO4
Analysis: Perchlorate
Analysis SOP: LC-MS-CL04
DCL Set ID(s): 06E-0621-01

Client: GPL Laboratories
Account: 08001
Matrix: Water
Group: G069101H

General Set Information: There were seven field samples in this set. The samples were analyzed for perchlorate.

Method Summary: Each sample was prepared as noted below and analyzed using an Agilent 1100 LC/MSD system in select ion monitoring (SIM) mode at m/z 83 and 85, which corresponds to the loss of one oxygen atom from the perchlorate molecule. ChemStation software was used for instrument control and data analysis. The ion ratio of m/z 83 to 85 was used to positively identify the response peak as perchlorate. Quantitation was performed using the m/z 83 peak area. An internal standard of ^{18}O labeled perchlorate was added to each sample to establish the perchlorate peak retention time and used in quantitation.

Sample Preparation: A 9.95mL aliquot of each sample, including standards, was transferred into a 15-mL centrifuge tube. 50µL of an ^{18}O labeled perchlorate solution was added to each sample as an internal standard. The samples were then capped, vortexed, and filtered into autosampler vial using Pall 0.45µm Ion Chromatography Acrodiscs.

Holding Times: Holding times were met for all samples.

Dilutions: No dilutions were necessary.

Method QC data: The method blank (BL-251105-1) was less than 1/2 the CRDL. The recovery for QC-251105-1 was within method parameters.

MS/MSD Analysis: The matrix spike and matrix spike duplicate were performed on sample 06E04461. The recovery and RPD were within acceptable parameters.

Instrument QC: Instrument initial and continuing calibrations were performed in accordance with published procedures.

NC/CAR(s): None were required for this set.

Sample Calculation: Samples were reported in µg/L. Results were calculated in µg/L by the equation (A)x(B).

where: A = Analyte concentration from the standard curve (µg/L)
B = Dilution performed at time of analysis

Miscellaneous Comments: None.

October 05, 2006

Thomas T. McKay Date

DATA CHEM LABORATORIES, INC.

Analytical Results

Data Package Table of Contents

Information pertaining to this data package is divided into the four categories listed below. If applicable, a Case Narrative immediately precedes this Table of Contents and contains pertinent information about this data package.

Analytical Results ..... Yellow
Sample Tracking Documentation ..... Pink
Analytical Documentation ..... Blue
Raw Data ..... Green

ADDENDUM

609118

GPL Laboratories

TRACE METALS

GPL Laboratories

USEPA - CLP

COVER PAGE

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 609118B

SOW No.: SW846

EPA Sample No.	Lab Sample ID
NWO-017-3005	S 609118-001-039-1/3
NWO-017-3005 MS	SP609118-001-039-1/3
NWO-017-3005 MSD	SD609118-001-039-1/3
NWO-017-6002	S 609118-004-025-1/1

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	YES	YES
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	YES	YES
if yes, were raw data generated before application of background corrections?	(Yes/No)	NO	YES

Comments:

I certify that this Sample Data Package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy Sample Data Package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as referred by the following signature.

Signature: Rita Amin Name: RITA AMIN

Date: ~~11/1/2006 RA~~ 11/7/2006 Title: Metals Reporting

GPL Laboratories, LLLP

Sample Results

Project:	609118B	Matrix:	Water
Lab Sample ID:	S 609118-004-025-1/1	Percent Moisture:	NA
Client Sample ID:	NWO-017-6002	Prep Batch:	93940
Analysis Method:		Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	5.5	100	22.9	J	1	10/19/06 0:43
Antimony	121	0.13	1.0	0.13	U	1	10/19/06 0:43
Arsenic	75	1.0	5.0	1.3	J	1	10/19/06 0:43
Barium	137	0.15	5.0	0.95	JB	1	10/19/06 0:43
Beryllium	9	0.028	0.20	0.028	U	1	10/19/06 0:43
Cadmium	110	0.17	0.50	0.17	U	1	10/19/06 0:43
Calcium	44	45.4	1000	1520		1	10/19/06 0:43
Chromium	52	1.3	2.0	1.3	U	1	10/19/06 0:43
Cobalt	59	0.016	1.0	0.021	J	1	10/19/06 0:43
Copper	65	0.43	2.0	1.4	J	1	10/19/06 0:43
Iron	56	5.5	50.0	27.6	J	1	10/19/06 0:43
Lead	208	0.18	2.0	0.28	J	1	10/19/06 0:43
Magnesium	25	4.8	100	24.5	J	1	10/19/06 0:43
Manganese	55	0.39	2.0	1.5	J	1	10/19/06 0:43
Molybdenum	95	0.12	5.0	1.8	J	1	10/19/06 0:43
Nickel	60	0.15	1.0	1.1		1	10/19/06 0:43
Potassium	39	13.8	1000	150	J	1	10/19/06 0:43
Selenium	82	0.75	5.0	0.75	UN	1	10/19/06 0:43
Silver	107	0.029	0.30	0.029	UB	1	10/19/06 0:43
Sodium	23	12.5	1000	97900		1	10/19/06 0:43
Strontium	88	0.17	2.0	1.8	J	1	10/19/06 0:43
Thallium	203	0.074	2.0	0.074	UB	1	10/19/06 0:43
Titanium	47	0.29	2.0	0.76	J	1	10/19/06 0:43
Vanadium	51	2.5	10.0	2.5	U	1	10/19/06 0:43
Zinc	66	1.8	10.0	10.3		1	10/19/06 0:43

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

GPL Laboratories, LLLP
Preparation Blank Results

Project:	609118B	Matrix:	Water
Lab Sample ID:	BLK93940	Percent Moisture:	NA
Client Sample ID:	NA	Prep Batch:	93940
Analysis Method:		Reporting Units:	ug/L

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	5.5	100	16.3	J	1	10/18/06 23:35
Antimony	121	0.13	1.0	0.13	U	1	10/18/06 23:35
Arsenic	75	1.0	5.0	1.0	U	1	10/18/06 23:35
Barium	137	0.15	5.0	0.64	J	1	10/18/06 23:35
Beryllium	9	0.028	0.20	0.028	U	1	10/18/06 23:35
Cadmium	110	0.17	0.50	0.17	U	1	10/18/06 23:35
Calcium	44	45.4	1000	45.4	U	1	10/18/06 23:35
Chromium	52	1.3	2.0	1.3	U	1	10/18/06 23:35
Cobalt	59	0.016	1.0	0.016	U	1	10/18/06 23:35
Copper	65	0.43	2.0	0.43	U	1	10/18/06 23:35
Iron	56	5.5	50.0	5.5	U	1	10/18/06 23:35
Lead	208	0.18	2.0	0.18	U	1	10/18/06 23:35
Magnesium	25	4.8	100	4.8	U	1	10/18/06 23:35
Manganese	55	0.39	2.0	0.39	U	1	10/18/06 23:35
Molybdenum	95	0.12	5.0	0.12	U	1	10/18/06 23:35
Nickel	60	0.15	1.0	0.15	U	1	10/18/06 23:35
Potassium	39	13.8	1000	13.8	U	1	10/18/06 23:35
Selenium	82	0.75	5.0	0.75	UN	1	10/18/06 23:35
Silver	107	0.029	0.30	0.029	U	1	10/18/06 23:35
Sodium	23	12.5	1000	56.2	J	1	10/18/06 23:35
Strontium	88	0.17	2.0	0.21	J	1	10/18/06 23:35
Thallium	203	0.074	2.0	0.074	U	1	10/18/06 23:35
Titanium	47	0.29	2.0	0.29	U	1	10/18/06 23:35
Vanadium	51	2.5	10.0	2.5	U	1	10/18/06 23:35
Zinc	66	1.8	10.0	1.8	J	1	10/18/06 23:35

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

GPL Laboratories, LLLP

Initial Calibration Verification

Project:	609118B	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:	AB.ST.	Standard ID:	

Analyte	True	ICV 10/18/2006 1:15:43 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	500.0	458.83	92						
Antimony	40.0	41.54	104						
Arsenic	40.0	40.00	100						
Barium	40.0	41.56	104						
Beryllium	4.0	4.31	108						
Calcium	5000.0	4992.00	100						
Chromium	40.0	38.14	95						
Cobalt	40.0	40.41	101						
Copper	40.0	40.58	101						
Iron	500.0	517.80	104						
Lead	40.0	41.25	103						
Magnesium	5000.0	4777.00	96						
Manganese	40.0	40.67	102						
Molybdenum	40.0	41.04	103						
Nickel	40.0	41.12	103						
Potassium	5000.0	4844.00	97						
Selenium	40.0	40.61	102						
Silver	40.0	40.43	101						
Sodium	5000.0	4833.33	97						
Strontium	40.0	40.78	102						
Thallium	40.0	41.58	104						
Titanium	40.0	40.12	100						
Vanadium	40.0	39.50	99						
Zinc	40.0	42.08	105						

GPL Laboratories, LLLP

Initial Calibration Verification

Project:	609118B	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:	AB.ST.	Standard ID:	

Analyte	True	ICV(Cd) 10/18/2006 1:21:52 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Cadmium	4.0	3.97	99						

GPL Laboratories, LLLP

Continuing Calibration Verification

Project:	609118B	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	True	CCV1 10/18/2006 1:34:15 PM		CCV2 10/18/2006 2:17:08 PM		CCV3 10/18/2006 3:36:53 PM		CCV4 10/18/2006 4:50:36 PM	
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	5000.0	4981.33	100	4970.00	99	5056.67	101	5043.00	101
Antimony	50.0	49.96	100	49.93	100	49.74	99	49.82	100
Arsenic	50.0	48.42	97	49.10	98	49.58	99	49.04	98
Barium	50.0	48.67	97	48.26	97	48.52	97	48.33	97
Beryllium	5.0	5.07	101	4.74	95	4.96	99	5.09	102
Cadmium	50.0	49.14	98	49.80	100	49.90	100	49.36	99
Calcium	10000.0	9850.67	99	9814.33	98	9914.33	99	9868.33	99
Chromium	50.0	47.91	96	49.01	98	48.70	97	48.07	96
Cobalt	50.0	48.67	97	48.74	97	49.16	98	49.36	99
Copper	50.0	49.41	99	49.54	99	49.60	99	50.26	101
Iron	5000.0	5014.33	100	4886.00	98	5006.67	100	5054.00	101
Lead	50.0	49.68	99	49.68	99	49.46	99	49.53	99
Magnesium	10000.0	9592.33	96	9562.67	96	9714.00	97	9746.67	97
Manganese	50.0	48.93	98	48.84	98	49.44	99	48.79	98
Molybdenum	50.0	50.22	100	50.93	102	50.30	101	50.06	100
Nickel	50.0	49.17	98	49.39	99	49.72	99	50.04	100
Potassium	10000.0	9557.00	96	9297.67	93	9538.33	95	9659.67	97
Selenium	50.0	50.04	100	50.94	102	50.66	101	48.31	97
Silver	50.0	49.01	98	50.01	100	49.21	98	49.75	100
Sodium	10000.0	9653.33	97	9585.33	96	9767.33	98	9738.33	97
Strontium	50.0	49.55	99	49.60	99	50.10	100	49.77	100
Thallium	50.0	49.89	100	50.54	101	49.78	100	49.77	100
Titanium	50.0	49.66	99	48.75	98	49.25	99	49.15	98
Vanadium	50.0	48.36	97	48.73	97	48.87	98	48.74	97
Zinc	50.0	49.34	99	49.84	100	50.09	100	50.22	100

GPL Laboratories, LLLP

Continuing Calibration Verification

Project:	609118B	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	True	CCV5 10/18/2006 6:04:12 PM		CCV6 10/18/2006 7:23:56 PM		CCV7 10/18/2006 8:37:36 PM		CCV8 10/18/2006 9:57:16 PM	
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	5000.0	5047.67	101	5041.33	101	5094.33	102	5176.67	104
Antimony	50.0	49.40	99	48.89	98	48.82	98	49.38	99
Arsenic	50.0	48.24	96	48.60	97	48.13	96	49.21	98
Barium	50.0	48.08	96	47.86	96	48.20	96	48.68	97
Beryllium	5.0	4.96	99	4.76	95	4.96	99	4.96	99
Cadmium	50.0	49.78	100	49.84	100	49.15	98	49.73	99
Calcium	10000.0	9864.00	99	9846.33	98	9873.33	99	10046.67	100
Chromium	50.0	47.58	95	47.99	96	48.05	96	48.39	97
Cobalt	50.0	48.44	97	48.35	97	48.13	96	49.07	98
Copper	50.0	49.34	99	48.74	97	48.64	97	49.61	99
Iron	5000.0	5047.67	101	4934.67	99	5028.00	101	5103.33	102
Lead	50.0	49.07	98	48.94	98	48.62	97	50.20	100
Magnesium	10000.0	9721.00	97	9764.00	98	9824.33	98	9969.67	100
Manganese	50.0	48.62	97	49.06	98	48.66	97	49.28	99
Molybdenum	50.0	50.18	100	50.56	101	50.07	100	50.91	102
Nickel	50.0	49.09	98	48.85	98	48.55	97	49.23	98
Potassium	10000.0	9664.00	97	9358.33	94	9595.33	96	9747.67	97
Selenium	50.0	48.89	98	47.91	96	50.37	101	48.59	97
Silver	50.0	49.05	98	49.18	98	49.01	98	49.69	99
Sodium	10000.0	9786.33	98	9715.00	97	9807.00	98	9945.67	99
Strontium	50.0	49.62	99	49.13	98	49.37	99	50.60	101
Thallium	50.0	49.17	98	49.58	99	48.99	98	50.41	101
Titanium	50.0	48.43	97	48.51	97	48.54	97	49.39	99
Vanadium	50.0	49.06	98	47.23	94	48.55	97	47.73	95
Zinc	50.0	49.67	99	49.40	99	48.95	98	50.99	102

GPL Laboratories, LLLP

Continuing Calibration Verification

Project:	609118B	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	True	CCV9 10/18/2006 11:10:59 PM		CCV10 10/19/2006 12:30:44 AM		CCV11 10/19/2006 1:50:32 AM			
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	5000.0	5102.67	102	5079.33	102	5103.33	102		
Antimony	50.0	49.23	98	49.04	98	49.71	99		
Arsenic	50.0	47.00	94	47.73	95	48.28	97		
Barium	50.0	47.78	96	47.54	95	48.77	98		
Beryllium	5.0	4.92	98	4.94	99	4.95	99		
Cadmium	50.0	48.73	97	48.95	98	49.62	99		
Calcium	10000.0	9917.33	99	9923.00	99	9946.67	99		
Chromium	50.0	47.03	94	47.39	95	47.99	96		
Cobalt	50.0	48.10	96	48.16	96	48.37	97		
Copper	50.0	48.09	96	48.64	97	49.17	98		
Iron	5000.0	5009.67	100	5103.67	102	5099.67	102		
Lead	50.0	48.32	97	47.59	95	47.81	96		
Magnesium	10000.0	9863.33	99	9839.00	98	9809.33	98		
Manganese	50.0	48.22	96	49.08	98	48.94	98		
Molybdenum	50.0	49.38	99	49.97	100	49.92	100		
Nickel	50.0	48.51	97	48.05	96	48.72	97		
Potassium	10000.0	9677.67	97	9689.33	97	9772.00	98		
Selenium	50.0	46.56	93	48.93	98	48.26	97		
Silver	50.0	48.98	98	48.58	97	49.16	98		
Sodium	10000.0	9802.00	98	9847.33	98	9830.00	98		
Strontium	50.0	49.23	98	49.75	100	50.05	100		
Thallium	50.0	48.75	98	48.22	96	48.09	96		
Titanium	50.0	48.28	97	49.09	98	49.11	98		
Vanadium	50.0	46.97	94	47.71	95	48.66	97		
Zinc	50.0	49.72	99	49.79	100	50.27	101		

GPL Laboratories, LLLP

Low Level Check Standard

Project:	609118B	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	True	PQL 10/18/2006 1:46:33 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	100.0	90.48	90						
Antimony	1.0	1.12	112						
Arsenic	5.0	4.90	98						
Barium	5.0	5.05	101						
Beryllium	0.2	0.20	99						
Cadmium	0.5	0.46	92						
Calcium	1000.0	987.90	99						
Chromium	2.0	1.61	80						
Cobalt	1.0	1.00	100						
Copper	2.0	2.10	105						
Iron	50.0	45.83	92						
Lead	2.0	1.95	98						
Magnesium	100.0	94.68	95						
Manganese	2.0	2.01	101						
Molybdenum	5.0	4.97	99						
Nickel	1.0	1.01	101						
Potassium	1000.0	940.07	94						
Selenium	5.0	4.57	91						
Silver	0.3	0.32	107						
Sodium	1000.0	938.50	94						
Strontium	2.0	2.03	101						
Thallium	2.0	2.00	100						
Titanium	2.0	1.82	91						
Vanadium	10.0	10.38	104						
Zinc	10.0	10.09	101						

GPL Laboratories, LLLP

Initial Calibration Blanks

Project:	609118B	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:		Standard ID:	

Analyte	RL	ICB 10/18/2006 1:28:07 PM							
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Aluminum	100.00	5.50	U						
Antimony	1.00	0.13	U						
Arsenic	5.00	1.00	U						
Barium	5.00	0.15	U						
Beryllium	0.20	0.03	U						
Cadmium	0.50	0.17	U						
Calcium	1000.00	45.40	U						
Chromium	2.00	1.30	U						
Cobalt	1.00	0.02	U						
Copper	2.00	0.43	U						
Iron	50.00	5.50	U						
Lead	2.00	0.18	U						
Magnesium	100.00	4.80	U						
Manganese	2.00	0.39	U						
Molybdenum	5.00	0.12	U						
Nickel	1.00	0.15	U						
Potassium	1000.00	13.80	U						
Selenium	5.00	0.75	U						
Silver	0.30	0.03	U						
Sodium	1000.00	12.50	U						
Strontium	2.00	0.17	U						
Thallium	2.00	0.07	U						
Titanium	2.00	0.29	U						
Vanadium	10.00	2.50	U						
Zinc	10.00	1.80	U						

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Continuing Calibration Blanks

Project:	609118B	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:		Standard ID:	

Analyte	RL	CCB1 10/18/2006 1:40:25 PM		CCB2 10/18/2006 2:23:16 PM		CCB3 10/18/2006 3:43:02 PM		CCB4 10/18/2006 4:56:43 PM	
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Aluminum	100.00	5.50	U	5.50	U	5.50	U	5.50	U
Antimony	1.00	0.13	U	0.13	U	0.13	U	0.13	U
Arsenic	5.00	1.00	U	1.00	U	1.00	U	1.00	U
Barium	5.00	0.15	U	0.15	U	0.15	U	0.15	U
Beryllium	0.20	0.03	U	0.03	U	0.03	U	0.03	U
Cadmium	0.50	0.17	U	0.17	U	0.17	U	0.17	U
Calcium	1000.00	45.40	U	45.40	U	45.40	U	45.40	U
Chromium	2.00	1.30	U	1.30	U	1.30	U	1.30	U
Cobalt	1.00	0.02	U	0.02	U	0.02	U	0.02	U
Copper	2.00	0.43	U	0.43	U	0.43	U	0.43	U
Iron	50.00	5.50	U	5.50	U	5.50	U	5.50	U
Lead	2.00	0.18	U	0.18	U	0.18	U	0.18	U
Magnesium	100.00	4.80	U	4.80	U	4.80	U	4.80	U
Manganese	2.00	0.39	U	0.39	U	0.39	U	0.39	U
Molybdenum	5.00	0.12	U	0.40	J	0.12	U	0.12	U
Nickel	1.00	0.15	U	0.15	U	0.15	U	0.15	U
Potassium	1000.00	13.80	U	13.80	U	13.80	U	13.80	U
Selenium	5.00	0.75	U	0.75	U	0.75	U	0.75	U
Silver	0.30	0.03	U	0.03	U	0.03	U	0.03	U
Sodium	1000.00	12.50	U	12.50	U	12.50	U	12.50	U
Strontium	2.00	0.17	U	0.17	U	0.17	U	0.17	U
Thallium	2.00	0.18	J	0.37	J	0.18	J	0.16	J
Titanium	2.00	0.29	U	0.29	U	0.29	U	0.29	U
Vanadium	10.00	2.50	U	2.50	U	2.50	U	2.50	U
Zinc	10.00	1.80	U	1.80	U	1.80	U	1.80	U

GPL Laboratories, LLLP

Continuing Calibration Blanks

Project:	609118B	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:		Standard ID:	

Analyte	RL	CCB5 10/18/2006 6:10:21 PM		CCB6 10/18/2006 7:30:04 PM		CCB7 10/18/2006 8:43:44 PM		CCB8 10/18/2006 10:03:23 PM	
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Aluminum	100.00	5.50	U	5.50	U	5.50	U	5.50	U
Antimony	1.00	0.13	U	0.13	U	0.13	U	0.13	U
Arsenic	5.00	1.00	U	1.00	U	1.00	U	1.00	U
Barium	5.00	0.15	U	0.15	U	0.15	U	0.15	U
Beryllium	0.20	0.03	U	0.03	U	0.03	U	0.03	U
Cadmium	0.50	0.17	U	0.17	U	0.17	U	0.17	U
Calcium	1000.00	45.40	U	45.40	U	45.40	U	45.40	U
Chromium	2.00	1.30	U	1.30	U	1.30	U	1.30	U
Cobalt	1.00	0.02	U	0.02	U	0.02	U	0.02	U
Copper	2.00	0.43	U	0.43	U	0.43	U	0.43	U
Iron	50.00	5.50	U	5.50	U	5.50	U	5.50	U
Lead	2.00	0.18	U	0.18	U	0.18	U	0.18	U
Magnesium	100.00	4.80	U	4.80	U	4.80	U	4.80	U
Manganese	2.00	0.39	U	0.39	U	0.39	U	0.39	U
Molybdenum	5.00	0.12	U	0.41	J	0.12	U	0.12	U
Nickel	1.00	0.15	U	0.15	U	0.15	U	0.15	U
Potassium	1000.00	13.80	U	13.80	U	13.80	U	13.80	U
Selenium	5.00	0.75	U	0.75	U	0.75	U	0.75	U
Silver	0.30	0.03	U	0.03	U	0.03	U	0.03	U
Sodium	1000.00	12.50	U	12.50	U	12.50	U	12.50	U
Strontium	2.00	0.17	U	0.17	U	0.17	U	0.17	U
Thallium	2.00	0.18	J	0.17	J	0.18	J	0.17	J
Titanium	2.00	0.29	U	0.29	U	0.29	U	0.29	U
Vanadium	10.00	2.50	U	2.50	U	2.50	U	2.50	U
Zinc	10.00	1.80	U	1.80	U	1.80	U	1.80	U

GPL Laboratories, LLLP
Continuing Calibration Blanks

Project:	609118B	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:		Standard ID:	

Analyte	RL	CCB9 10/18/2006 11:17:07 PM		CCB10 10/19/2006 12:36:51 AM		CCB11 10/19/2006 1:56:40 AM			
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Aluminum	100.00	5.50	U	5.50	U	5.50	U		
Antimony	1.00	0.13	U	0.13	U	0.13	U		
Arsenic	5.00	1.00	U	1.00	U	1.00	U		
Barium	5.00	0.15	U	0.15	U	0.15	U		
Beryllium	0.20	0.03	U	0.03	U	0.03	U		
Cadmium	0.50	0.17	U	0.17	U	0.17	U		
Calcium	1000.00	45.40	U	45.40	U	45.40	U		
Chromium	2.00	1.30	U	1.30	U	1.30	U		
Cobalt	1.00	0.02	U	0.02	U	0.02	U		
Copper	2.00	0.43	U	0.43	U	0.43	U		
Iron	50.00	5.50	U	5.50	U	5.50	U		
Lead	2.00	0.18	U	0.18	U	0.18	U		
Magnesium	100.00	4.80	U	4.80	U	4.80	U		
Manganese	2.00	0.39	U	0.39	U	0.39	U		
Molybdenum	5.00	0.12	U	0.12	U	0.12	U		
Nickel	1.00	0.15	U	0.15	U	0.15	U		
Potassium	1000.00	13.80	U	13.80	U	13.80	U		
Selenium	5.00	0.75	U	0.75	U	0.75	U		
Silver	0.30	0.03	U	0.03	U	0.03	U		
Sodium	1000.00	12.50	U	12.50	U	12.50	U		
Strontium	2.00	0.17	U	0.17	U	0.17	U		
Thallium	2.00	0.14	J	0.16	J	0.20	J		
Titanium	2.00	0.29	U	0.29	U	0.29	U		
Vanadium	10.00	2.50	U	2.50	U	2.50	U		
Zinc	10.00	1.80	U	1.80	U	1.80	U		

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Interference Check Standards

Project:	609118B	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:	H.P. / AB. ST.	Standard ID:	

Analyte	RL	True		Initial Found				Final Found			
		Sol. A	Sol. B	ICSA 10/18/06 13:52	%R	ICSAB 10/18/06 13:58	%R		%R		%R
Aluminum	100		100000	101000	101	103000	103				
Antimony	1		20	0.18		19.1	96				
Arsenic	5		20	0.61		17.9	89				
Barium	5		20	0.51		20.1	101				
Beryllium	0.2		20	-0.0073		16.6	83				
Cadmium	0.5		20	-0.099		16.9	84				
Calcium	1000		300000	324000		325000	108				
Chromium	2		20	-0.34		18.5	93				
Cobalt	1		20	-0.031		18.4	92				
Copper	2		20	0.48		17.4	87				
Iron	50		250000	246000	98	246000	99				
Lead	2		20	0.14		21.1	105				
Magnesium	100		100000	97100	97	99300	99				
Manganese	2		20	0.0		19.0	95				
Molybdenum	5		2000	2020	101	2040	102				
Nickel	1		20	0.29		18.1	90				
Potassium	1000		100000	99600	100	99400	99				
Selenium	5		20	0.55		17.2	86				
Silver	0.3		20	0.087		17.2	86				
Sodium	1000		250000	251000	100	256000	102				
Strontium	2		20	4.4		24.9	124				
Thallium	2		20	0.13		21.4	107				
Titanium	2		2000	2090		2110	105				
Vanadium	10		20	-0.37		19.1	96				
Zinc	10		20	1.7		17.6	88				

GPL Laboratories, LLLP

Matrix Spike Recovery

Client ID:	NWO-017-3005 MS	Lab Sample ID:	SP609118-001-039-1/3
Project:	609118B	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	Spiked Sample Result 10/18/06 23:53		Sample Result 10/18/06 23:47		Spike Added	%R
Aluminum	5009.67		5.50	U	5000.00	100
Antimony	45.39		0.13	U	50.00	91
Arsenic	44.35		1.00	U	50.00	89
Barium	496.97		10.03		500.00	97
Beryllium	23.79		0.03	U	25.00	95
Cadmium	47.93		0.17	U	50.00	96
Calcium	47776.67		41850.00		5000.00	119
Chromium	239.37		1.30	U	250.00	96
Cobalt	236.80		0.02	U	250.00	95
Copper	239.90		2.25		250.00	95
Iron	5068.67		36.87	J	5000.00	101
Lead	493.97		0.18	U	500.00	99
Magnesium	12233.33		7504.33		5000.00	95
Manganese	526.17		32.13		500.00	99
Molybdenum	242.03		0.45	J	250.00	97
Nickel	242.03		1.04		250.00	96
Potassium	6273.33		1424.00		5000.00	97
Selenium	39.91		0.75	U	50.00	80
Silver	47.86		0.03	U	50.00	96
Sodium	24960.00		19976.67		5000.00	100
Strontium	718.90		197.37		500.00	104
Thallium	51.46		0.16	J	50.00	103
Titanium	924.43		0.90	J	1000.00	92
Vanadium	236.33		2.50	U	250.00	95
Zinc	444.70		13.85		500.00	86

GPL Laboratories, LLLP

Matrix Spike Duplicate Recovery

Client ID:	NWO-017-3005 MSD	Lab Sample ID:	SD609118-001-039-1/3
Project:	609118B	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	Spiked Sample Result 10/19/06 00:00		Sample Result 10/18/06 23:47		Spike Added	%R
Aluminum	5098.67		5.50	U	5000.00	102
Antimony	44.71		0.13	U	50.00	89
Arsenic	43.18		1.00	U	50.00	86
Barium	496.30		10.03		500.00	97
Beryllium	23.31		0.03	U	25.00	93
Cadmium	46.59		0.17	U	50.00	93
Calcium	47480.00		41850.00		5000.00	113
Chromium	239.70		1.30	U	250.00	96
Cobalt	238.70		0.02	U	250.00	95
Copper	238.93		2.25		250.00	95
Iron	5072.00		36.87	J	5000.00	101
Lead	483.33		0.18	U	500.00	97
Magnesium	12386.67		7504.33		5000.00	98
Manganese	526.37		32.13		500.00	99
Molybdenum	241.73		0.45	J	250.00	97
Nickel	239.47		1.04		250.00	95
Potassium	6271.33		1424.00		5000.00	97
Selenium	39.43		0.75	U	50.00	79
Silver	47.87		0.03	U	50.00	96
Sodium	25363.33		19976.67		5000.00	108
Strontium	720.67		197.37		500.00	105
Thallium	50.43		0.16	J	50.00	101
Titanium	929.30		0.90	J	1000.00	93
Vanadium	234.60		2.50	U	250.00	94
Zinc	433.97		13.85		500.00	84

GPL Laboratories, LLLP

Post Digestion Spike Recovery

Client ID:	NWO-017-3005	Lab Sample ID:	PS609118-001-039-1/3
Project:	609118B	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	Spiked Sample Result 10/19/06 00:06		Sample Result 10/18/06 23:47		Spike Added	%R
Selenium	60.77		0.75	U	70	87

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Duplicates (RPD)

Client ID:	NWO-017-3005 MSD	Lab Sample ID:	SD609118-001-039-1/3
Project:	609118B	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv

11/7/06 dp

Analyte	MATRIX SPIKE ~~Original~~ Sample Results		MATRIX SPIKE Duplicate Sample Results		RPD	Control Limit	Q
Aluminum	5009.67		5098.67		2	20	
Antimony	45.39		44.71		2	20	
Arsenic	44.35		43.18		3	20	
Barium	496.97		496.30		0	20	
Beryllium	23.79		23.31		2	20	
Cadmium	47.93		46.59		3	20	
Calcium	47776.67		47480.00		1	20	
Chromium	239.37		239.70		0	20	
Cobalt	236.80		238.70		1	20	
Copper	239.90		238.93		0	20	
Iron	5068.67		5072.00		0	20	
Lead	493.97		483.33		2	20	
Magnesium	12233.33		12386.67		1	20	
Manganese	526.17		526.37		0	20	
Molybdenum	242.03		241.73		0	20	
Nickel	242.03		239.47		1	20	
Potassium	6273.33		6271.33		0	20	
Selenium	39.91		39.43		1	20	N
Silver	47.86		47.87		0	20	
Sodium	24960.00		25363.33		2	20	
Strontium	718.90		720.67		0	20	
Thallium	51.46		50.43		2	20	
Titanium	924.43		929.30		1	20	
Vanadium	236.33		234.60		1	20	
Zinc	444.70		433.97		2	20	

GPL Laboratories, LLLP

Laboratory Control Sample

Project:	609118B	Lab Sample ID:	BKS93940
Units:	ug/L	Instrument:	301x
		Data File Name:	061018MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	Spiked Sample Result 10/18/06 23:41		Spike Added	%R
Aluminum	5095.67		5000.00	102
Antimony	46.04		50.00	92
Arsenic	44.70		50.00	89
Barium	488.83		500.00	98
Beryllium	23.80		25.00	95
Cadmium	48.97		50.00	98
Calcium	5331.33		5000.00	107
Chromium	245.23		250.00	98
Cobalt	245.43		250.00	98
Copper	246.57		250.00	99
Iron	5096.33		5000.00	102
Lead	495.00		500.00	99
Magnesium	4695.00		5000.00	94
Manganese	497.57		500.00	100
Molybdenum	242.53		250.00	97
Nickel	250.83		250.00	100
Potassium	4830.67		5000.00	97
Selenium	40.40		50.00	81
Silver	49.83		50.00	100
Sodium	4897.00		5000.00	98
Strontium	495.30		500.00	99
Thallium	51.84		50.00	104
Titanium	950.30		1000.00	95
Vanadium	240.50		250.00	96
Zinc	458.40		500.00	92

GPL Laboratories, LLLP

Serial Dilutions

Client ID:	NWO-017-3005	Lab Sample ID:	SE609118-001-039-1/3
Project:	609118B	Instrument:	301x
Units:	ug/L	Data File Name:	061018MS.csv

Analyte	Sample Result 10/18/06 23:47		Serial Dilution Result 10/19/06 00:12		Percent Difference	Flag
Aluminum	5.50	U	27.50	U		
Antimony	0.13	U	1.06	J		
Arsenic	1.00	U	5.00	U		
Barium	10.03		10.99	J	10	
Beryllium	0.03	U	0.14	U		
Cadmium	0.17	U	0.85	U		
Calcium	41850.00		41505.00		1	
Chromium	1.30	U	6.50	U		
Cobalt	0.02	U	0.08	U		
Copper	2.25		2.51	J	11	
Iron	36.87	J	27.50	U	100	
Lead	0.18	U	0.90	U		
Magnesium	7504.33		7860.00		5	
Manganese	32.13		34.45		7	
Molybdenum	0.45	J	0.71	J	57	
Nickel	1.04		0.95	J	8	
Potassium	1424.00		1415.17	J	1	
Selenium	0.75	U	3.75	U		
Silver	0.03	U	0.15	U		
Sodium	19976.67		21176.67		6	
Strontium	197.37		209.27		6	
Thallium	0.16	J	0.37	U	100	
Titanium	0.90	J	1.45	U	100	
Vanadium	2.50	U	12.50	U		
Zinc	13.85		24.22	J	75	

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Detection Limits

Project: 609118B Instrument: 301x

Units: ug/L

Analyte	Wavelength/Mass	Reporting Limit	Method Detection Limit	Date of MDL
Aluminum	27	100	5.5	04/19/06
Antimony	121	1.0	0.13	04/19/06
Arsenic	75	5.0	1.0	04/19/06
Barium	137	5.0	0.15	04/19/06
Beryllium	9	0.20	0.028	04/19/06
Cadmium	110	0.50	0.17	04/19/06
Calcium	44	1000	45.4	04/19/06
Chromium	52	2.0	1.3	04/19/06
Cobalt	59	1.0	0.016	04/19/06
Copper	65	2.0	0.43	04/19/06
Iron	56	50.0	5.5	04/19/06
Lead	208	2.0	0.18	04/19/06
Magnesium	25	100	4.8	04/19/06
Manganese	55	2.0	0.39	04/19/06
Molybdenum	95	5.0	0.12	04/19/06
Nickel	60	1.0	0.15	04/19/06
Potassium	39	1000	13.8	04/19/06
Selenium	82	5.0	0.75	04/19/06
Silver	107	0.30	0.029	04/19/06
Sodium	23	1000	12.5	04/19/06
Strontium	88	2.0	0.17	04/19/06
Thallium	203	2.0	0.074	04/19/06
Titanium	47	2.0	0.29	04/19/06
Vanadium	51	10.0	2.5	04/19/06
Zinc	66	10.0	1.8	04/19/06

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Linear Dynamic Ranges

Project: 609118B Instrument: 301x

Units: ug/L

11/7/06 AP

Analyte	Wavelength/Mass	Linear Dynamic Range	Date of LDR
Aluminum	27	110000	~~04/19/06~~ 10/18/06
Antimony	121	550	04/19/06
Arsenic	75	1100	04/19/06
Barium	137	5500	04/19/06
Beryllium	9	275	04/19/06
Cadmium	110	1100	04/19/06
Calcium	44	330000	04/19/06
Chromium	52	5500	04/19/06
Cobalt	59	5500	04/19/06
Copper	65	5500	04/19/06
Iron	56	275000	04/19/06
Lead	208	11000	04/19/06
Magnesium	25	110000	04/19/06
Manganese	55	5500	04/19/06
Molybdenum	95	5500	04/19/06
Nickel	60	4125	04/19/06
Potassium	39	110000	04/19/06
Selenium	82	1100	04/19/06
Silver	107	550	04/19/06
Sodium	23	275000	04/19/06
Strontium	88	6000	04/19/06
Thallium	203	1100	04/19/06
Titanium	47	5500	04/19/06
Vanadium	51	5500	04/19/06
Zinc	66	2750	~~04/19/06~~

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Preparation Log

Project:	609118B	Instrument:	301x
Prep Method:	Preparation for the Manual Cold	Batch Number:	93940

Lab Sample ID	Client ID	Preparation Date	Initial Volume (ml)	Final Volume (ml)
BLK93940	BLK93940	09/25/2006	100.00	100
BKS93940	BKS93940	09/25/2006	100.00	100
S 609118-001-039-1/3	NWO-017-3005	09/25/2006	100.00	100
SP609118-001-039-1/3	NWO-017-3005 MS	09/25/2006	100.00	100
S 609118-004-025-1/1	NWO-017-6002	09/25/2006	100.00	100
SD609118-001-039-1/3	NWO-017-3005 MSD	09/25/2006	100.00	100

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Analysis Run Log

Project: 609118B

Instrument: 301x

Data File Name: 061018MS.csv

Sample Name	Client ID	Analysis Date	Analysis Time
BLANK		10/18/06	12:39 PM
STD1		10/18/06	12:44 PM
STD2		10/18/06	12:50 PM
STD3		10/18/06	12:55 PM
STD4		10/18/06	1:00 PM
STD5		10/18/06	1:05 PM
STD6		10/18/06	1:10 PM
ICV		10/18/06	1:15 PM
ICV(Cd)		10/18/06	1:21 PM
ICB		10/18/06	1:28 PM
CCV1		10/18/06	1:34 PM
CCB1		10/18/06	1:40 PM
PQL		10/18/06	1:46 PM
ICSA		10/18/06	1:52 PM
ICSAB		10/18/06	1:58 PM
CCV2		10/18/06	2:17 PM
CCB2		10/18/06	2:23 PM
CCV3		10/18/06	3:36 PM
CCB3		10/18/06	3:43 PM
CCV4		10/18/06	4:50 PM
CCB4		10/18/06	4:56 PM
CCV5		10/18/06	6:04 PM
CCB5		10/18/06	6:10 PM
CCV6		10/18/06	7:23 PM
CCB6		10/18/06	7:30 PM
CCV7		10/18/06	8:37 PM
CCB7		10/18/06	8:43 PM
CCV8		10/18/06	9:57 PM
CCB8		10/18/06	10:03 PM
CCV9		10/18/06	11:10 PM
CCB9		10/18/06	11:17 PM
BLK93940	BLK93940	10/18/06	11:35 PM
BKS93940	BKS93940	10/18/06	11:41 PM
S 609118-001-039-1/3	NWO-017-3005	10/18/06	11:47 PM
SP609118-001-039-1/3	NWO-017-3005 MS	10/18/06	11:53 PM
SD609118-001-039-1/3	NWO-017-3005 MSD	10/19/06	12:00 AM
PS609118-001-039-1/3	NWO-017-3005	10/19/06	12:06 AM
SE609118-001-039-1/3	NWO-017-3005	10/19/06	12:12 AM
CCV10		10/19/06	12:30 AM

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Analysis Run Log

Project: 609118B

Instrument: 301x

Data File Name: 061018MS.csv

Sample Name	Client ID	Analysis Date	Analysis Time
CCB10		10/19/06	12:36 AM
S 609118-004-025-1/1	NWO-017-6002	10/19/06	12:43 AM
CCV11		10/19/06	1:50 AM
CCB11		10/19/06	1:56 AM

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-3005

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	609118
Matrix : (Soil / Water)	WATER	Lab Sample ID :	609118-001-033-1/6
Sample Volume :		Lab File ID :	LA16755.D
% Moisture:		Date Received	09/22/2006
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	10/14/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.038	J
118-96-7	2,4,6-Trinitrotoluene	0.077	J
121-14-2	2,4-Dinitrotoluene	0.027	J
606-20-2	2,6-Dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.072	J
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.079	J
2691-41-0	HMX	0.14	J
98-95-3	Nitrobenzene	0.20	U
121-82-4	RDX	0.40	U
479-45-8	Tetryl	0.40	U
99-08-1	m-Nitrotoluene	0.40	U
88-72-2	o-Nitrotoluene	0.40	U
99-99-0	p-Nitrotoluene	0.40	U

FORM I SW8330A

200-1e
F10OR002908_01.09_0508_a

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\LA16755.D
Acq On : 14 Oct 2006 7:40
Sample : 609118-001-033-1/6 (MWO-017-3005)
Misc : WATER.SHAW
IntFile : events.e
Quant Time: Oct 18 9:43 2006 Quant Results File: 67258330.RES

Vial: 17
Operator: AG
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

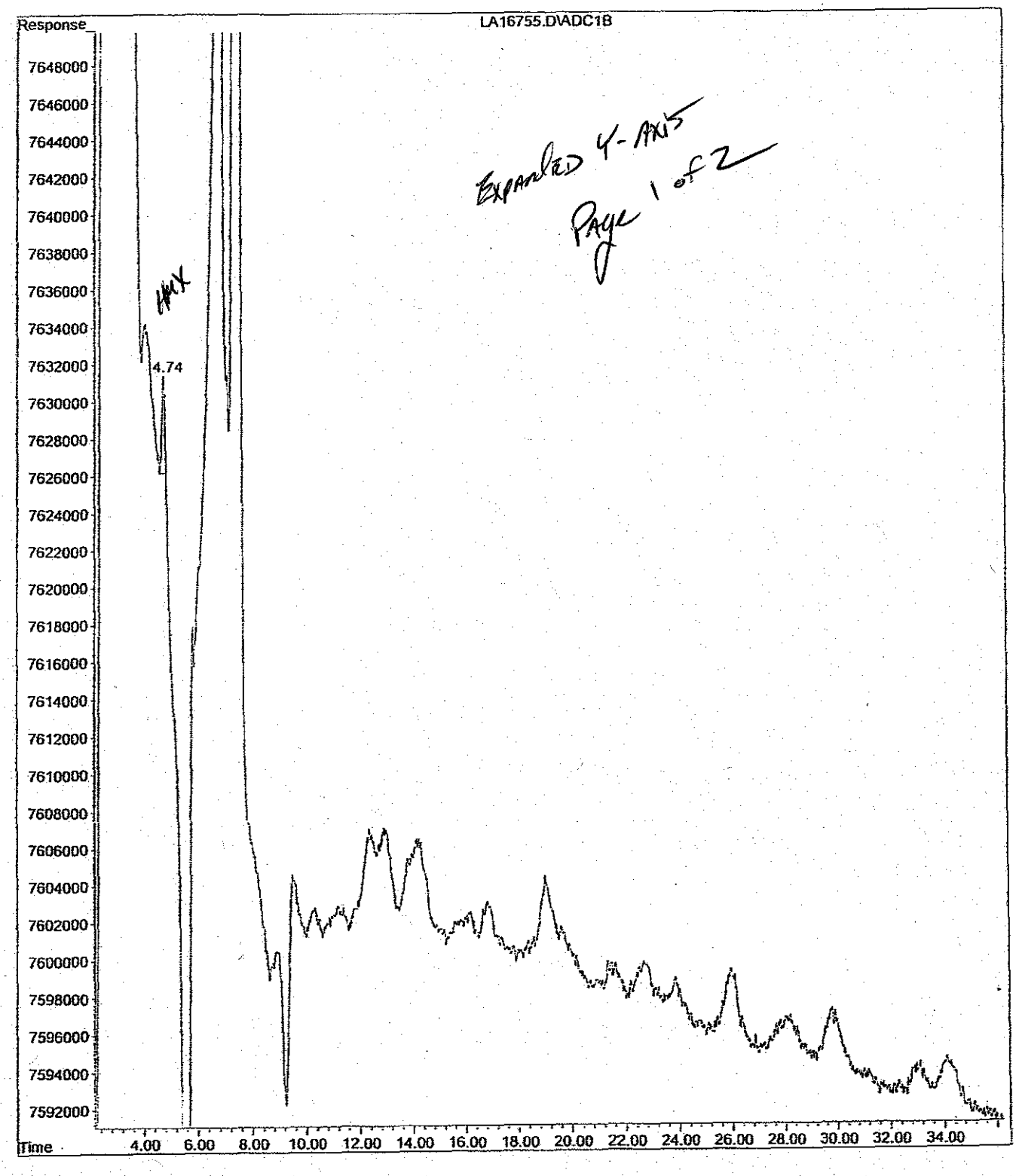
Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.41	28114789	214.966 ng/mlm
Spiked Amount 300.000 Range 49 - 133		Recovery =	71.66%
Target Compounds			
1) T HMX	4.75	858072	6.961 ng/mlm
5) T 2,4,6-Trinitrotoluene	25.93	1303534	3.817 ng/mlm
6) T 4-Amino-2,6-Dinitrotoluene	28.19f	964417	3.920 ng/mlm
10) M 1,3-Dinitrobenzene	19.00	965613	1.871 ng/mlm
12) M 2-Amino-4,6-Dinitrotoluene	29.77	1280591	3.548 ng/mlm
13) M 2,4-Dinitrotoluene	34.10	707741	1.336 ng/mlm

Primary Column

(f)=RT Delta > 1/2 Window (m)=manual int.

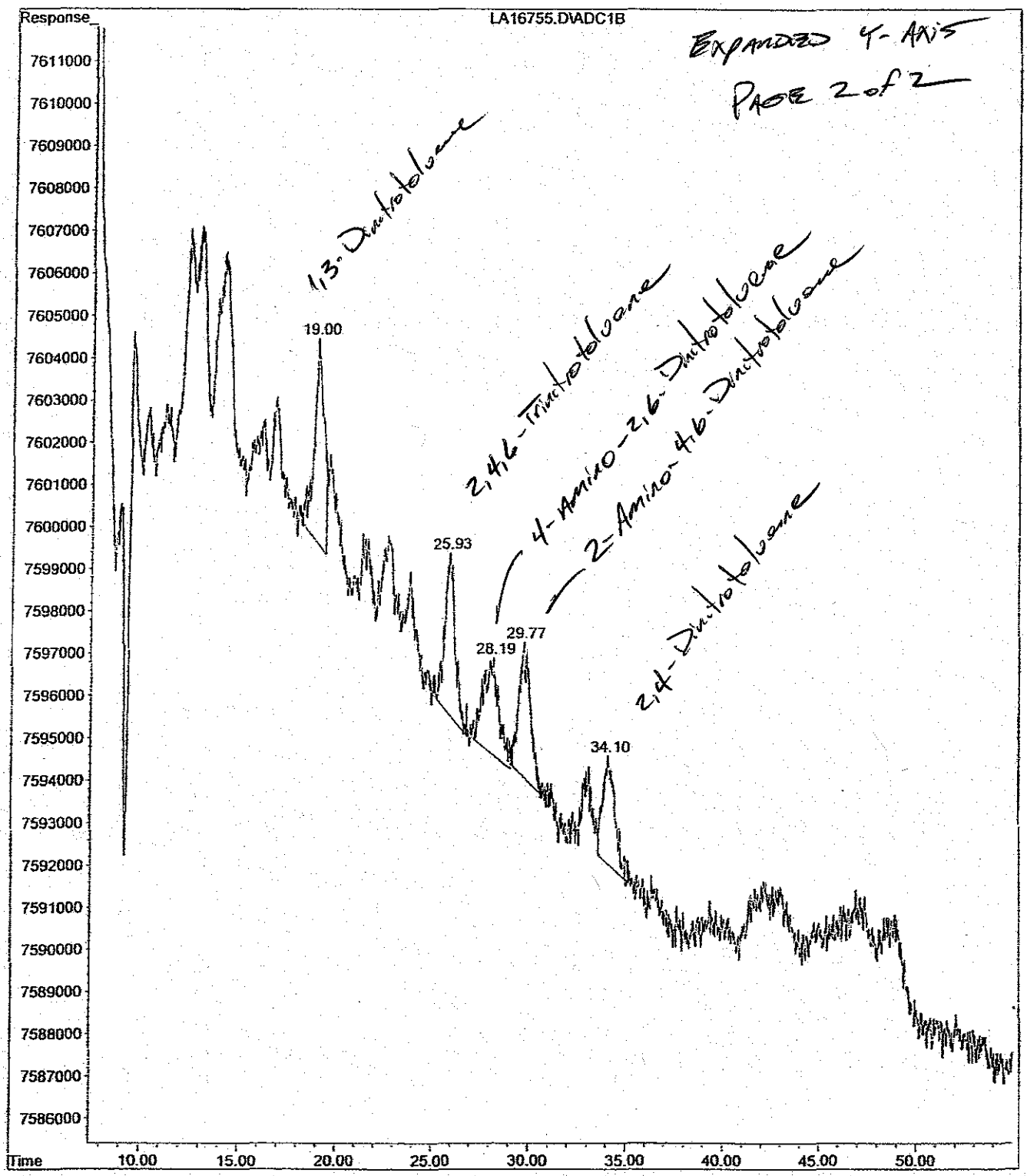
File : H:\LCDATA\LCA\101206\LA16755.D
Operator : AG
Acquired : 14 Oct 2006 7:40 using AcqMethod 8330MIX.M
Instrument : LCA
Sample Name: 609118-001-033-1/6 (NWO-017-3005)
Misc Info : WATER.SHAW
Vial Number: 17



EXPANDED Y-AXIS
PAGE 1 of 2

200-1e
F10OR002908_01.09_0508_a

File : H:\LCDATA\LCA\101206\LA16755.D
Operator : AG
Acquired : 14 Oct 2006 7:40 using AcqMethod 8330MIX.M
Instrument : LCA
Sample Name: 609118-001-033-1/6 (Primary) NWO-017-3005
Misc Info : WATER.SHAW
Vial Number: 17



200-1e
F10OR002908_01.09_0508_a

Continuing Calibration Report LCA

Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Fri Oct 20 12:27:54 2006
Response via : Initial Calibration

Continuing Calibration File: LA16746.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	123.272	128.556	E3	-4.3	105
2	S	4-Nitroaniline	130.787	138.341	E3	-5.8	109
3	T	1,3,5-Trinitrobenzene	347.033	372.645	E3	-7.4	105
4	T	Tetryl	247.222	277.516	E3	-12.3	105
5	T	2,4,6-Trinitrotoluene	341.474	354.571	E3	-3.8	103
6	T	4-Amino-2,6-Dinitrotoluene	246.017	243.180	E3	1.2	102
7	T	2,6-Dinitrotoluene	223.886	244.493	E3	-9.2	110
8	T	4-Nitrotoluene	204.473	199.626	E3	2.4	103
9	M	RDX	164.196	161.645	E3	1.6	98
10	M	1,3-Dinitrobenzene	516.125	525.016	E3	-1.7	101
11	M	Nitrobenzene	371.276	363.418	E3	2.1	100
12	M	2-Amino-4,6-Dinitrotoluene	360.921	365.800	E3	-1.4	102
13	M	2,4-Dinitrotoluene	529.845	519.658	E3	1.9	99
14	M	2-Nitrotoluene	231.221	199.626	E3	13.7	88
15	M	3-Nitrotoluene	255.063	252.963	E3	0.8	102

8330 CCVs Primary

Bracketing CCV
Primary Column

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LA16746.D 67258330.M Fri Oct 20 12:27:58 2006 A Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\LA16746.D Vial: 8
Acq On : 13 Oct 2006 22:44 Operator: AG
Sample : 8330MIX Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 16 7:35 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
2)	S	4-Nitroaniline	7.40	69170350	528.877	ng/ml
Spiked Amount		300.000	Range 49 - 133	Recovery	= 176.29%#	
		Target Compounds				
1)	T	HMX	4.73	64278102	521.432	ng/ml
3)	T	1,3,5-Trinitrobenzene	14.12	93161136	268.450	ng/ml
4)	T	Tetryl	21.19	138758172	561.268	ng/ml
5)	T	2,4,6-Trinitrotoluene	25.80	88642799	259.588	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	27.93	60795102	247.118	ng/ml
7)	T	2,6-Dinitrotoluene	32.78	61123346	273.011	ng/ml
8)	T	4-Nitrotoluene	46.09	99813185	488.148	ng/ml
9)	M	RDX	9.43	80822623	492.233	ng/ml
10)	M	1,3-Dinitrobenzene	18.94	131253918	254.307	ng/ml
11)	M	Nitrobenzene	23.09	90854449	244.709	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	29.59	91449977	253.379	ng/ml
13)	M	2,4-Dinitrotoluene	33.92	129914501	245.194	ng/ml
14)	M	2-Nitrotoluene	46.09	99813185	431.679	ng/ml
15)	M	3-Nitrotoluene	50.18	126481270	495.882	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual integ
LA16746.D 67258330.M Fri Oct 20 12:28:02 2006 A Page 1

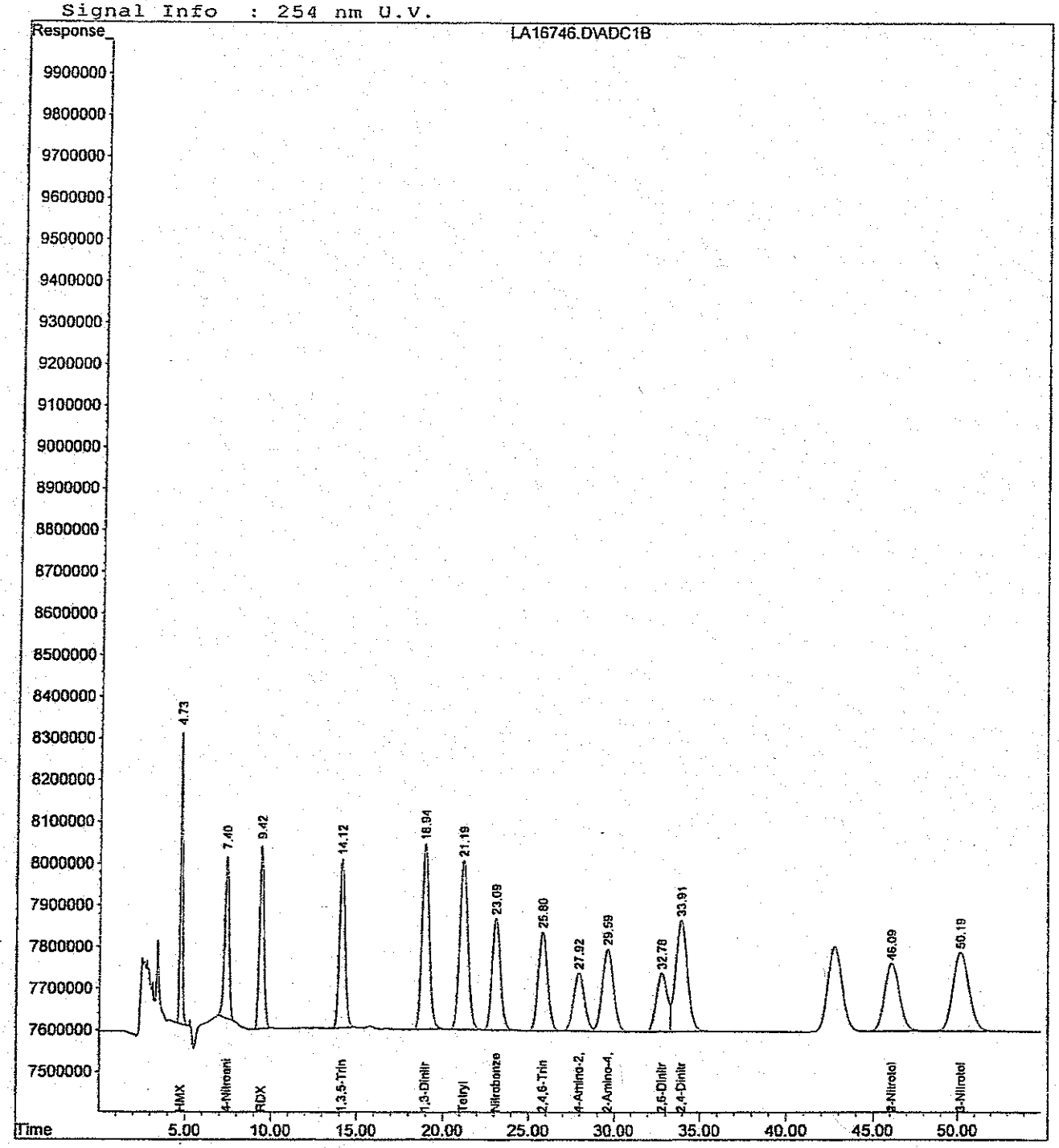
Quantitation Report

Data File : H:\LCDATA\LCA\101206\LA16746.D
Acq On : 13 Oct 2006 22:44
Sample : 8330MIX
Misc : CCAL
IntFile : events.e
Quant Time: Oct 16 7:35 2006 Quant Results File: 67258330.RES

Vial: 8
Operator: AG
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LA16746.D 67258330.M Fri Oct 20 12:28:04 2006 A Page 2

Continuing Calibration Report LCA

Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Fri Oct 20 12:28:18 2006
Response via : Initial Calibration

Continuing Calibration File: LA16759.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	123.272	129.412	E3	-5.0	106
2	S	4-Nitroaniline	130.787	137.831	E3	-5.4	109
3	T	1,3,5-Trinitrobenzene	347.033	375.235	E3	-8.1	106
4	T	Tetryl	247.222	276.912	E3	-12.0	105
5	T	2,4,6-Trinitrotoluene	341.474	358.465	E3	-5.0	104
6	T	4-Amino-2,6-Dinitrotoluene	246.017	249.945	E3	-1.6	105
7	T	2,6-Dinitrotoluene	223.886	245.699	E3	-9.7	110
8	T	4-Nitrotoluene	204.473	199.198	E3	2.6	102
9	M	RDX	164.196	162.034	E3	1.3	98
10	M	1,3-Dinitrobenzene	516.125	525.559	E3	-1.8	101
11	M	Nitrobenzene	371.276	362.825	E3	2.3	100
12	M	2-Amino-4,6-Dinitrotoluene	360.921	366.553	E3	-1.6	102
13	M	2,4-Dinitrotoluene	529.845	519.013	E3	2.0	99
14	M	2-Nitrotoluene	231.221	199.198	E3	13.8	88
15	M	3-Nitrotoluene	255.063	252.176	E3	1.1	102

Bracketing CCV
Primary Column

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LA16759.D 67258330.M Fri Oct 20 12:28:20 2006 A Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\101206\LA16759.D Vial: 21
Acq On : 14 Oct 2006 11:38 Operator: AG
Sample : 8330MIX Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 16 7:37 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
2)	S	4-Nitroaniline	7.38	68915535	526.929 ng/mlm
Spiked Amount		300.000	Range 49 - 133	Recovery	= 175.64%#
Target Compounds					
1)	T	HMX	4.73	64705851	524.902 ng/ml
3)	T	1,3,5-Trinitrobenzene	14.11	93808795	270.317 ng/ml
4)	T	Tetryl	21.21	138455778	560.045 ng/ml
5)	T	2,4,6-Trinitrotoluene	25.86	89616129	262.439 ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	28.02	62486263	253.992 ng/ml
7)	T	2,6-Dinitrotoluene	32.90	61424688	274.357 ng/ml
8)	T	4-Nitrotoluene	46.26	99599030	487.101 ng/ml
9)	M	RDX	9.40	81017194	493.418 ng/ml
10)	M	1,3-Dinitrobenzene	18.95	131389674	254.570 ng/ml
11)	M	Nitrobenzene	23.13	90706304	244.310 ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	29.70	91638247	253.901 ng/ml
13)	M	2,4-Dinitrotoluene	34.05	129753337	244.889 ng/ml
14)	M	2-Nitrotoluene	46.26	99599030	430.753 ng/ml
15)	M	3-Nitrotoluene	50.34	126088099	494.341 ng/ml

(f)=RT Delta > 1/2 Window (m)=manual
LA16759.D 67258330.M Fri Oct 20 12:28:24 2006 A 200-1e Page 1

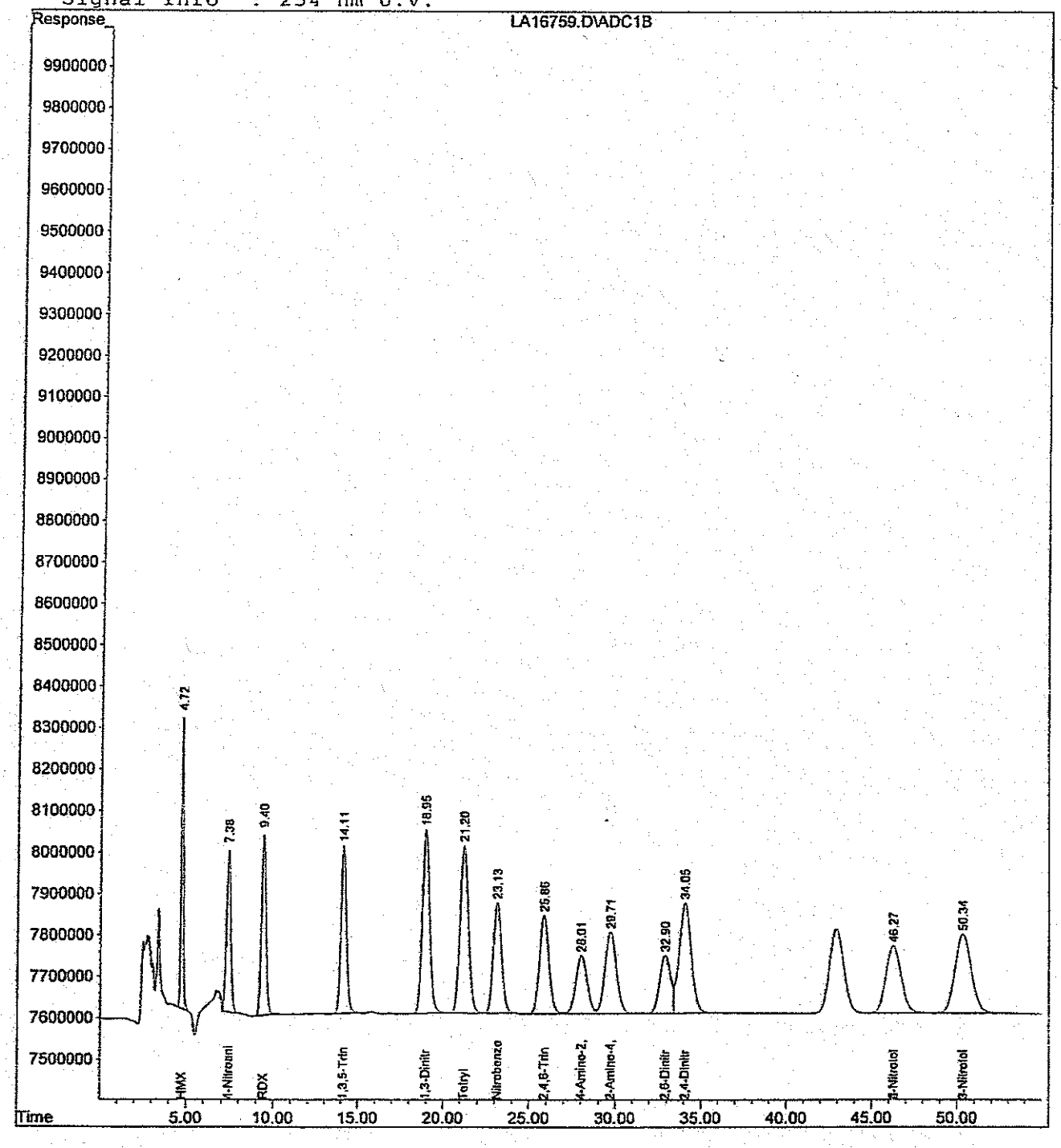
Quantitation Report

Data File : H:\LCDATA\LCA\101206\LA16759.D
Acq On : 14 Oct 2006 11:38
Sample : 8330MIX
Misc : CCAL
IntFile : events.e
Quant Time: Oct 16 7:37 2006 Quant Results File: 67258330.RES

Vial: 21
Operator: AG
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LA16759.D 67258330.M Fri Oct 20 12:28:26 2006 A Page 2

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\101606\LCD33404.D Vial: 19
Acq On : 17 Oct 2006 2:10 Operator: AG
Sample : 609118-001 (NWO-017-3005) Inst : LCD
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 9:39 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	8.56	23881902	202.351 ng/ml
Spiked Amount 300.000 Range 49 - 133		Recovery =	67.45%
Target Compounds			
1) T HMX	15.49f	1918490	15.482 ng/mlm
5) T 2,4,6-Trinitrotoluene	40.03	2466645	8.189 ng/mlm
6) T 4-Amino-2,6-Dinitrotoluene	19.37	2019402	3.676 ng/mlm
10) M 1,3-Dinitrobenzene	18.25	960993	1.979 ng/mlm
12) M 2-Amino-4,6-Dinitrotoluene	19.35	1963555	3.601 ng/mlm
13) M 2,4-Dinitrotoluene	25.73	979644	2.168 ng/mlm

Confirmation Run

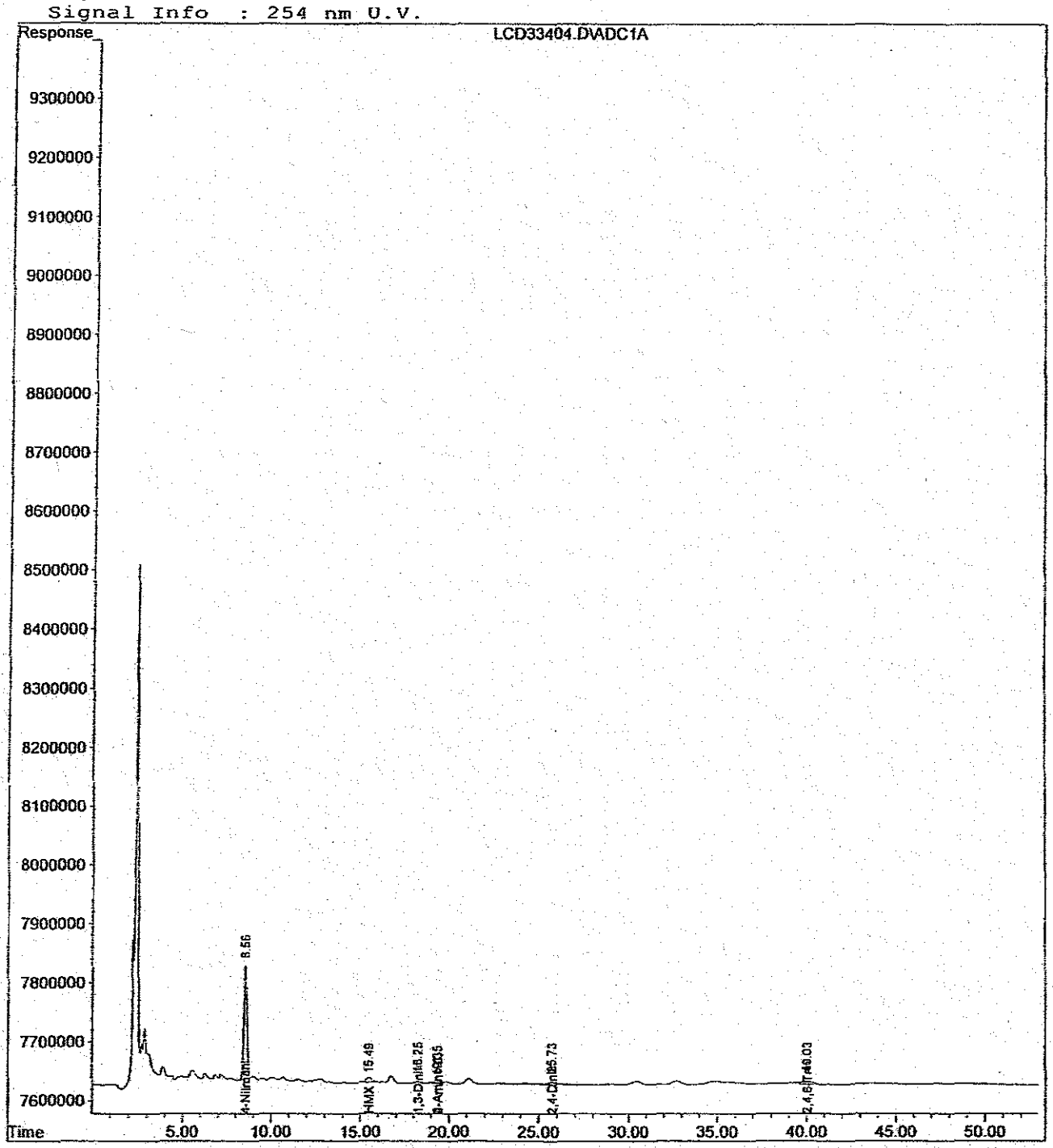
(f)=RT Delta > 1/2 Window (m)=manual int.
LCD33404.D 6525CON.M Wed Feb 28 15:04:58 2007 A 200-1e Page 1
F10OR002908_01.09_0508_a

Quantitation Report

Data File : H:\LCDATA\LCD\101606\LCD33404.D Vial: 19
Acq On : 17 Oct 2006 2:10 Operator: AG
Sample : 609118-001 Inst : LCD
Misc : WATER.SHAW Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 18 9:39 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

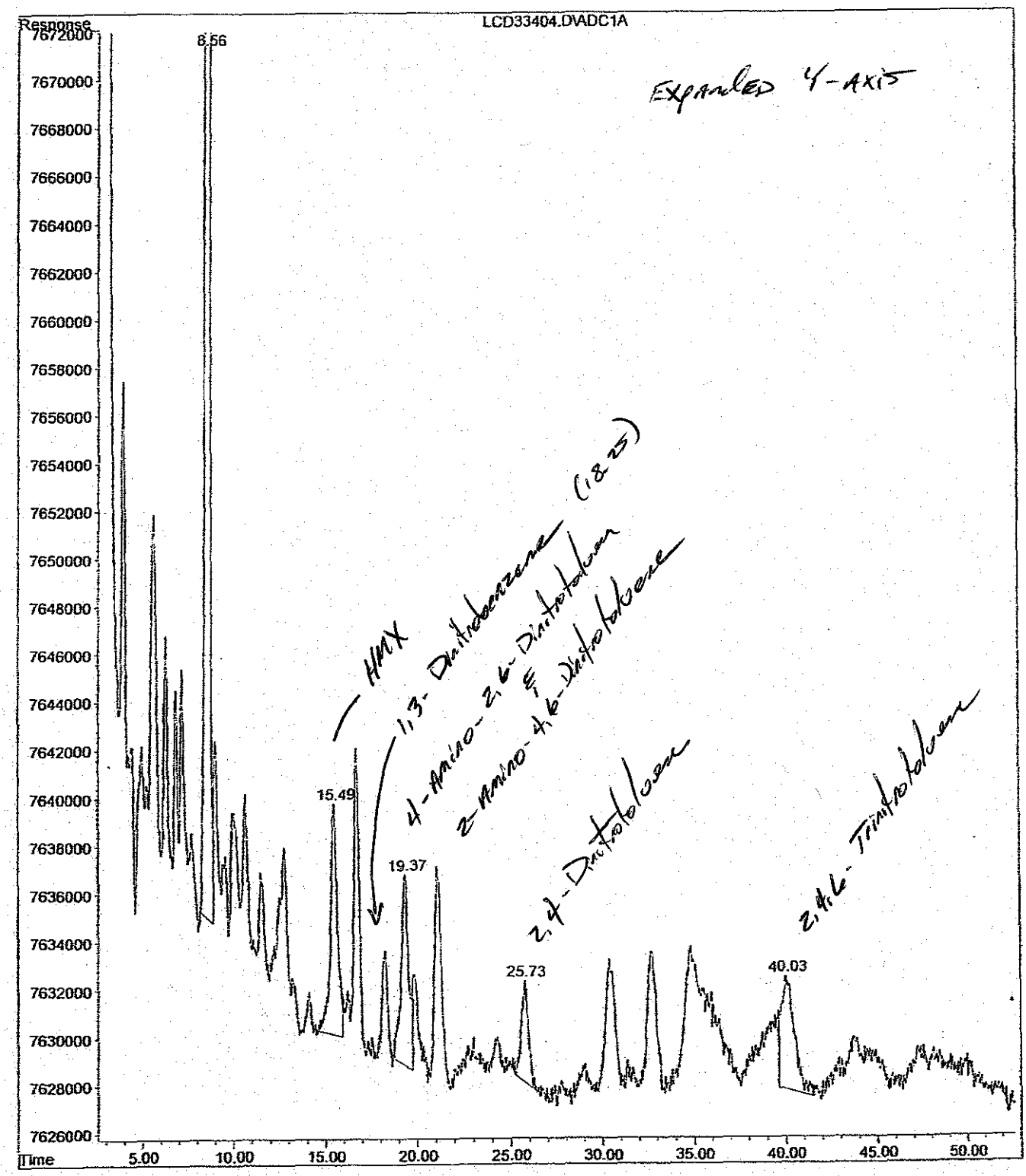
Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



LCD33404.D 6525CON.M Wed Feb 28 15:04:59 2007 A Page 2

200-1e
F10OR002908_01.09_0508_a

File : H:\LCDATA\LCD\101606\LCD33404.D
Operator : AG
Acquired : 17 Oct 2006 2:10 using AcqMethod 8330MIX.M
Instrument : LCD
Sample Name: 609118-001 (confirmation)
Misc Info : WATER.SHAW
Vial Number: 19



200-1e
F10OR002908_01.09_0508_a

Continuing Calibration Report LCD

Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri Oct 20 12:34:19 2006
Response via : Initial Calibration

Continuing Calibration File: LCD33399.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	123.918	134.144	E3	-8.3	107
2	S	4-Nitroaniline	118.022	119.939	E3	-1.6	102
3	T	1,3,5-Trinitrobenzene	343.775	363.388	E3	-5.7	107
4	T	Tetryl	228.960	261.149	E3	-14.1	112
5	T	2,4,6-Trinitrotoluene	301.222	340.021	E3	-12.9	107
6	T	4-Amino-2,6-Dinitrotoluene	549.376	571.553	E3	-4.0	104
7	T	2,6-Dinitrotoluene	233.625	245.394	E3	-5.0	105
8	T	4-Nitrotoluene	216.463	223.537	E3	-3.3	104
9	M	RDX	161.179	167.116	E3	-3.7	105
10	M	1,3-Dinitrobenzene	485.653	503.094	E3	-3.6	10[illegible]
11	M	Nitrobenzene	315.755	329.653	E3	-4.4	1[illegible]
12	M	2-Amino-4,6-Dinitrotoluene	545.304	571.553	E3	-4.8	1[illegible]
13	M	2,4-Dinitrotoluene	451.840	471.197	E3	-4.3	1[illegible]
14	M	2-Nitrotoluene	198.866	208.559	E3	-4.9	1[illegible]
15	M	3-Nitrotoluene	164.755	178.402	E3	-8.3	1[illegible]

8330 CCV's Confirmation

Bracketing CCV
Confirmation Column

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LCD33399.D 6525CON.M Fri Oct 20 12:34:29 2006 A Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\101606\LCD33399.D Vial: 14
Acq On : 16 Oct 2006 21:23 Operator: AG
Sample : 8330MIX Inst : LCD
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 8:19 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	8.53	59969257	508.118	ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 169.37%#						
Target Compounds						
1)	T	HMX	15.33	67071768	541.260	ng/ml
3)	T	1,3,5-Trinitrobenzene	28.86	90847052	264.263	ng/ml
4)	T	Tetryl	43.39	130574345	570.294	ng/ml
5)	T	2,4,6-Trinitrotoluene	39.97	85005187	282.201	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	19.27	142888143	260.092	ng/ml
7)	T	2,6-Dinitrotoluene	24.14	61348494	262.594	ng/ml
8)	T	4-Nitrotoluene	21.16	111768293	516.340	ng/ml
9)	M	RDX	12.46	83558223	518.420	ng/ml
10)	M	1,3-Dinitrobenzene	18.18	125773422	258.978	ng/ml
11)	M	Nitrobenzene	14.08	82413331	261.004	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	19.27	142888143	262.034	ng/ml
13)	M	2,4-Dinitrotoluene	25.66	117799236	260.710	ng/ml
14)	M	2-Nitrotoluene	19.66	104279657	524.372	ng/ml
15)	M	3-Nitrotoluene	20.29	89201219	541.419	ng/ml

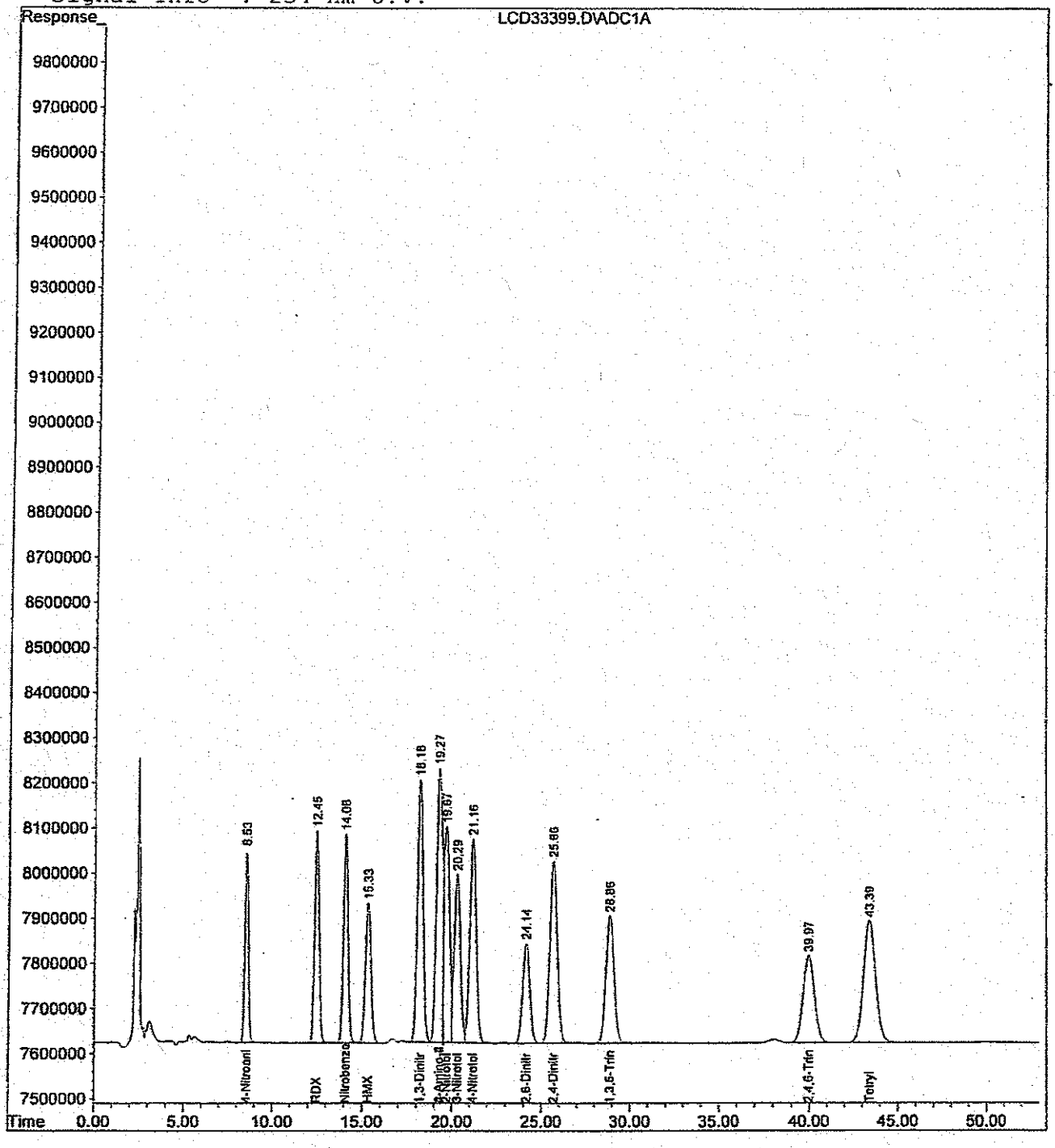
Quantitation Report

Data File : H:\LCDATA\LCD\101606\LCD33399.D
Acq On : 16 Oct 2006 21:23
Sample : 8330MIX
Misc : CCAL
IntFile : events.e
Quant Time: Oct 17 8:19 2006 Quant Results File: 6525CON.RES

Vial: 14
Operator: AG
Inst : LCD
Multiplr: 1.00

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Continuing Calibration Report LCD

Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri Oct 20 12:34:49 2006
Response via : Initial Calibration

Continuing Calibration File: LCD33411.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	123.918	134.206	E3	-8.3	107
2	S	4-Nitroaniline	118.022	122.194	E3	-3.5	104
3	T	1,3,5-Trinitrobenzene	343.775	363.828	E3	-5.8	107
4	T	Tetryl	228.960	258.852	E3	-13.1	111
5	T	2,4,6-Trinitrotoluene	301.222	344.632	E3	-14.4	109
6	T	4-Amino-2,6-Dinitrotoluene	549.376	577.389	E3	-5.1	105
7	T	2,6-Dinitrotoluene	233.625	247.195	E3	-5.8	106
8	T	4-Nitrotoluene	216.463	222.967	E3	-3.0	104
9	M	RDX	161.179	167.075	E3	-3.7	105
10	M	1,3-Dinitrobenzene	485.653	504.328	E3	-3.8	105
11	M	Nitrobenzene	315.755	329.073	E3	-4.2	105
12	M	2-Amino-4,6-Dinitrotoluene	545.304	577.389	E3	-5.9	105
13	M	2,4-Dinitrotoluene	451.840	472.501	E3	-4.6	105
14	M	2-Nitrotoluene	198.866	207.585	E3	-4.4	104
15	M	3-Nitrotoluene	164.755	178.002	E3	-8.0	104

Bracketing CCV
Confirmation Column

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LCD33411.D 6525CON.M Fri Oct 20 12:34:57 2006 A Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCD\101606\LCD33411.D
Acq On : 17 Oct 2006 8:52
Sample : 8330MIX
Misc : CCAL
IntFile : events.e
Quant Time: Oct 17 11:11 2006 Quant Results File: 6525CON.RES

Vial: 26
Operator: AG
Inst : LCD
Multiplr: 1.00

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
2)	S	4-Nitroaniline	8.54	61096797	517.671	ng/ml
Spiked Amount		300.000	Range	49 - 133	Recovery	= 172.56%#
		Target Compounds				
1)	T	HMX	15.38	67102951	541.512	ng/ml
3)	T	1,3,5-Trinitrobenzene	28.96	90956911	264.583	ng/ml
4)	T	Tetryl	43.56	129425856	565.278	ng/ml
5)	T	2,4,6-Trinitrotoluene	40.12	86157917	286.028	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	19.33	144347314	262.748	ng/ml
7)	T	2,6-Dinitrotoluene	24.21	61798756	264.522	ng/ml
8)	T	4-Nitrotoluene	21.21	111483545	515.024	ng/ml
9)	M	RDX	12.49	83537528	518.291	ng/ml
10)	M	1,3-Dinitrobenzene	18.23	126081989	259.613	ng/ml
11)	M	Nitrobenzene	14.11	82268303	260.545	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	19.33	144347314	264.710	ng/ml
13)	M	2,4-Dinitrotoluene	25.74	118125268	261.432	ng/ml
14)	M	2-Nitrotoluene	19.70	103792441	521.922	ng/ml
15)	M	3-Nitrotoluene	20.34	89001041	540.204	ng/ml

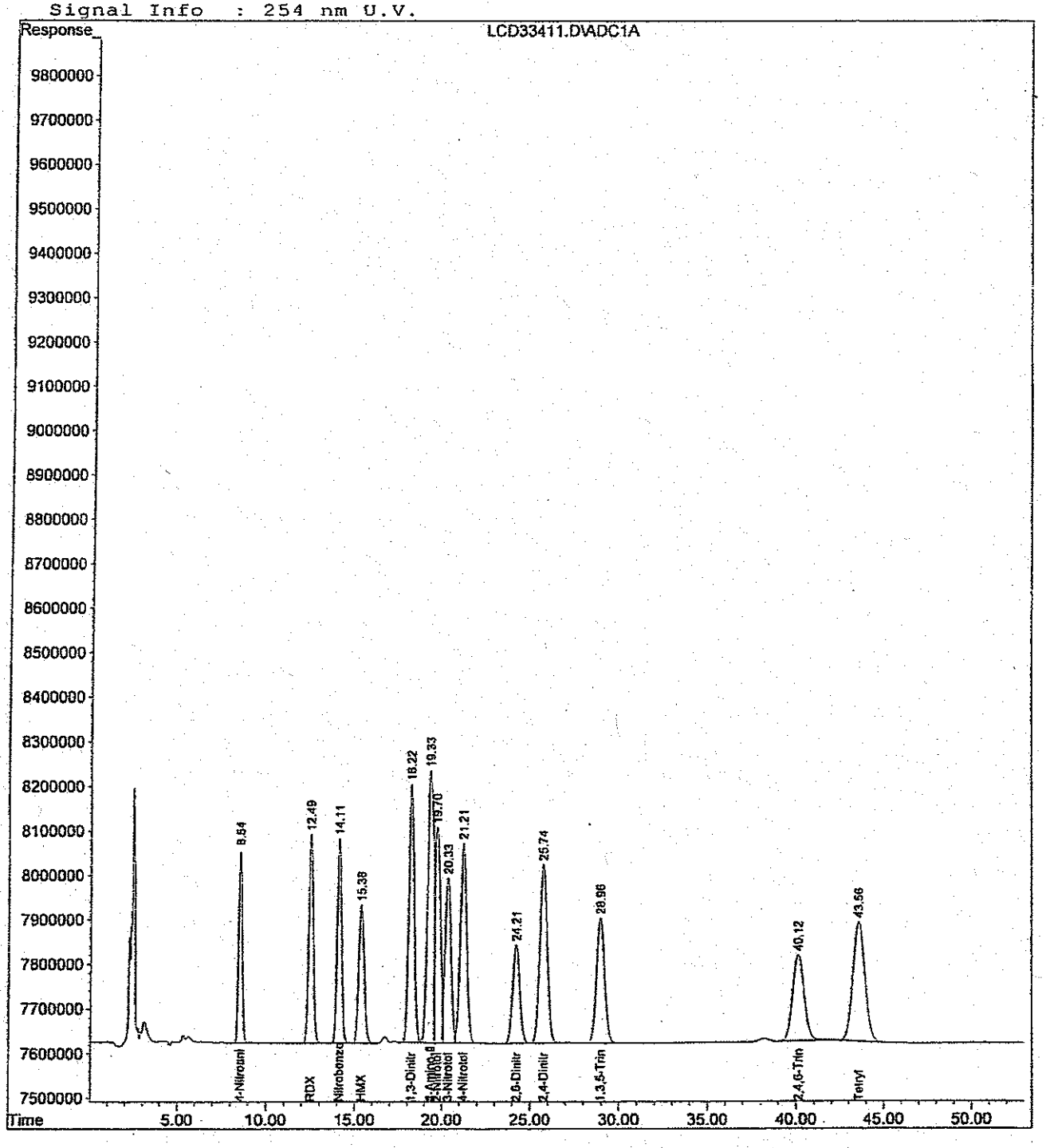
(f)=RT Delta > 1/2 Window (m)=manual integ.
LCD33411.D 6525CON.M Fri Oct 20 12:35:01 2006 A Page 1

Quantitation Report

Data File : H:\LCDATA\LCD\101606\LCD33411.D Vial: 26
Acq On : 17 Oct 2006 8:52 Operator: AG
Sample : 8330MIX Inst : LCD
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 11:11 2006 Quant Results File: 6525CON.RES

Quant Method : I:\LCDATA\LCD\METHODS\6525CON.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Fri May 26 15:30:04 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



LCD33411.D 6525CON.M Fri Oct 20 12:35:02 2006 A Page 2