

Data Path : S:\HPCHEM1\HPLC\_L\Data\HL083012\  
Data File : HL003434.D  
Signal(s) : VWD1A.CH  
Acq On : 30-Aug-2012, 22:01  
Operator : HLM  
Sample : PB65373BS1  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

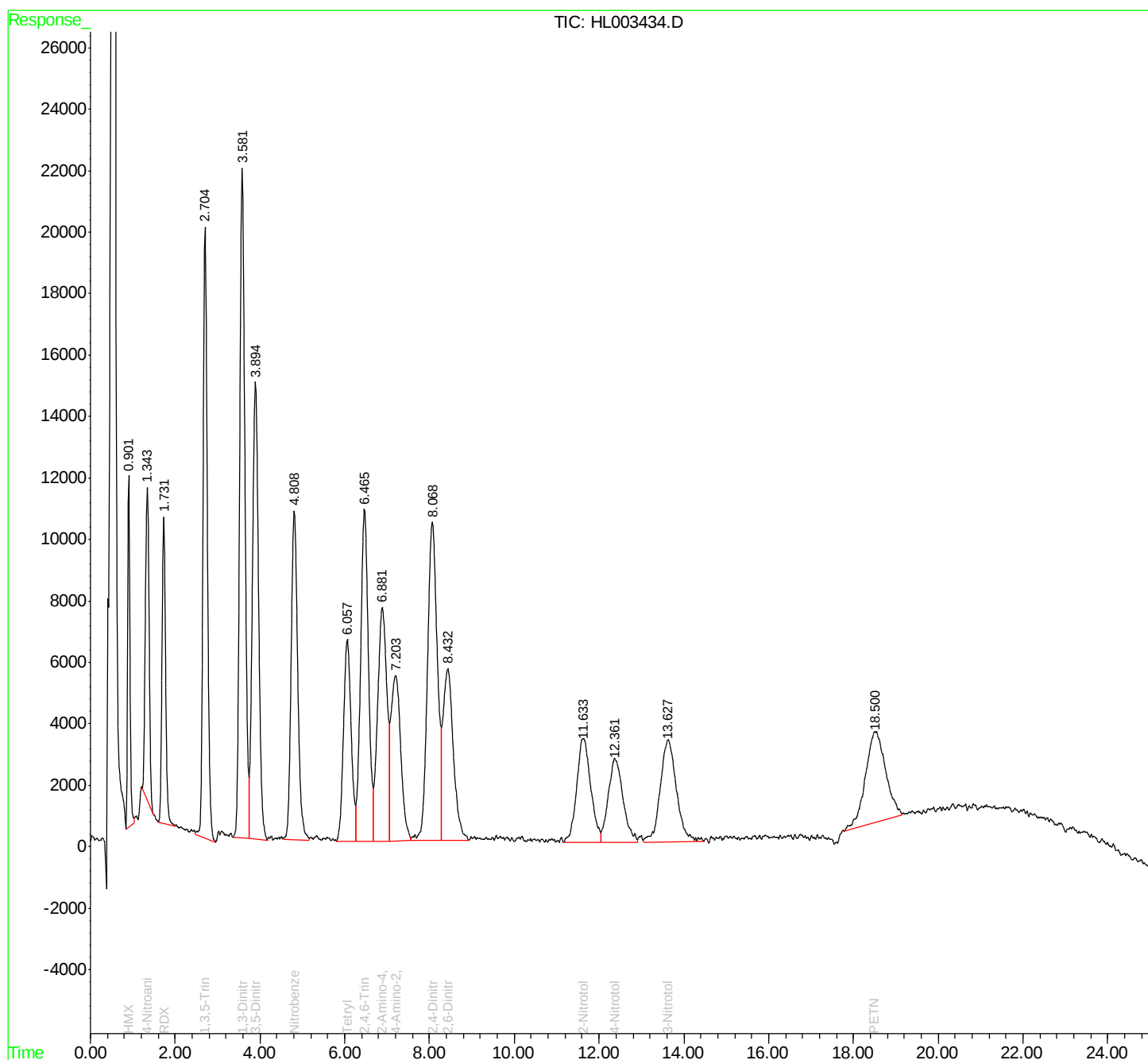
Instrument :  
HPLC\_L  
ClientSampleId :  
PB65373BS1

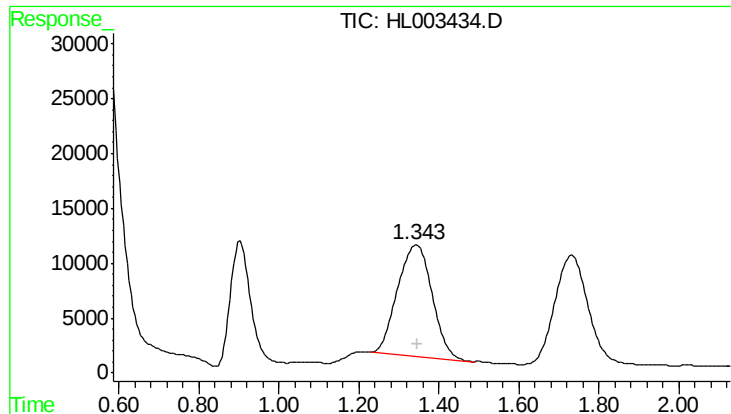
Manual Integrations  
APPROVED

AHPatel  
9/11/2012 4:22:32 AM

Integration File: events.e  
Quant Time: Sep 05 01:17:52 2012  
Quant Method : H:\VOL1\HPLC\HPLC\_L\METHODS\HL080312.M  
Quant Title : SW8330A/B Primary (Extend C18 3.5u 4.6x10mm)  
QLast Update : Fri Aug 31 10:52:41 2012  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. :  
Signal Phase :  
Signal Info :





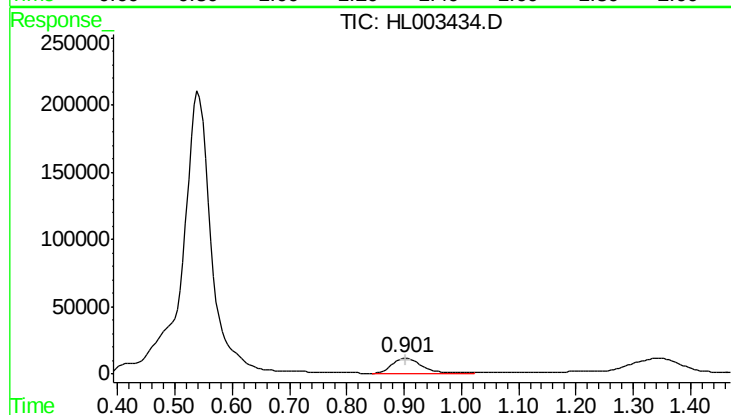
# #1 4-Nitroaniline

R.T.: 1.345 min  
 Delta R.T.: -0.002 min  
 Response: 606412  
 Conc: 165.34 ug/L

Instrument :  
 HPLC\_L  
 ClientSampleId :  
 PB65373BS1

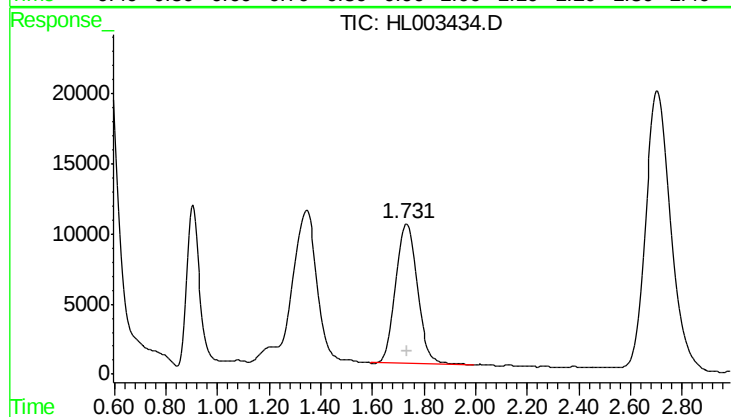
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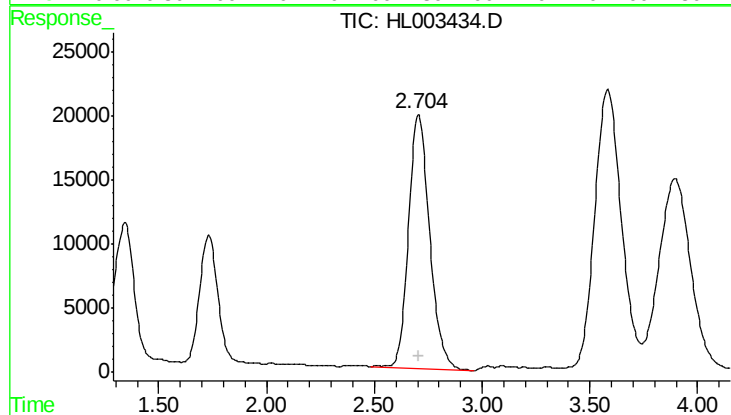
## #2 HMX

R.T.: 0.903 min  
 Delta R.T.: 0.000 min  
 Response: 398615  
 Conc: 98.07 ug/L



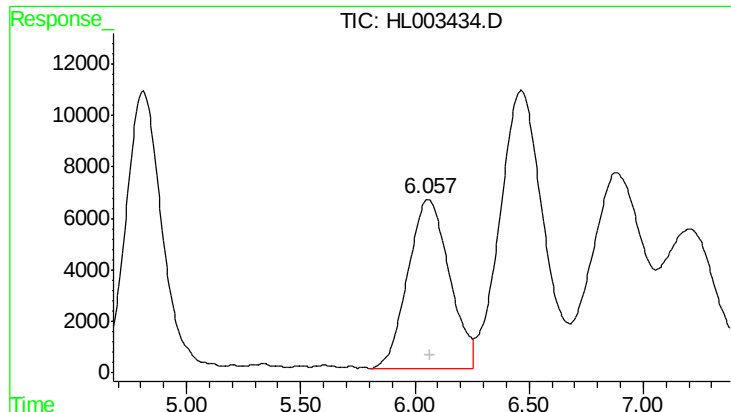
## #3 RDX

R.T.: 1.733 min  
 Delta R.T.: -0.003 min  
 Response: 584044  
 Conc: 114.40 ug/L



## #4 1,3,5-Trinitrobenzene

R.T.: 2.706 min  
 Delta R.T.: -0.003 min  
 Response: 1355499  
 Conc: 111.87 ug/L



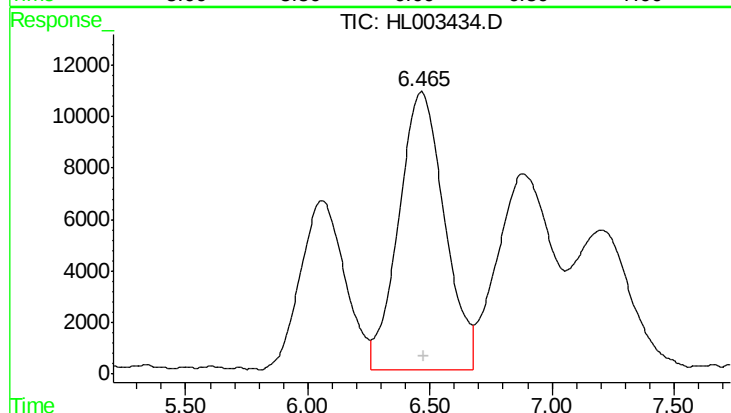
#5 Tetryl

R.T.: 6.059 min  
Delta R.T.: -0.007 min  
Response: 831355  
Conc: 96.24 ug/L

Instrument :  
HPLC\_L  
ClientSampleId :  
PB65373BS1

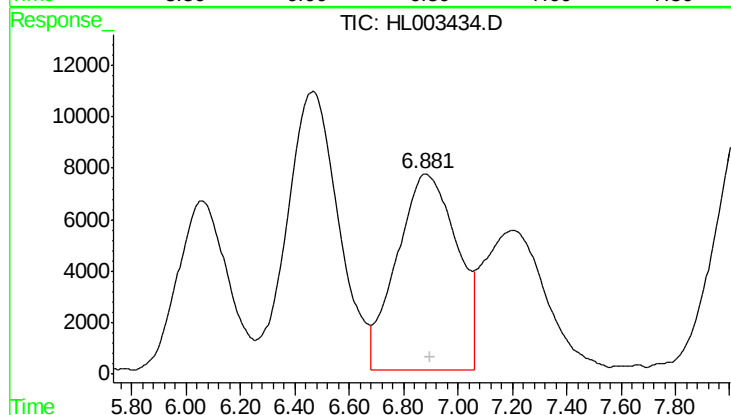
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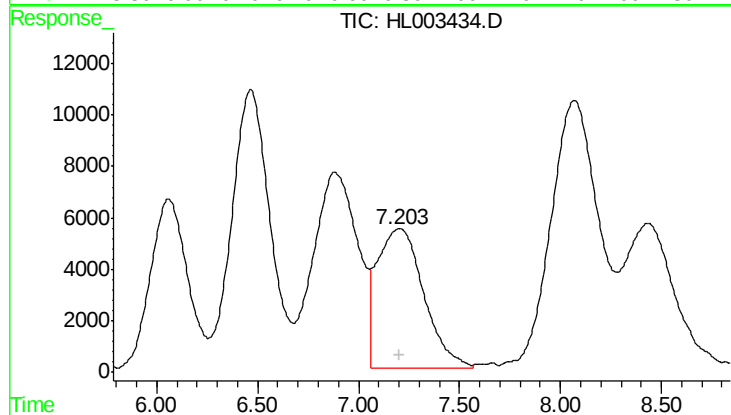
#6 2,4,6-Trinitrotoluene

R.T.: 6.466 min  
Delta R.T.: -0.009 min  
Response: 1410705  
Conc: 128.39 ug/L



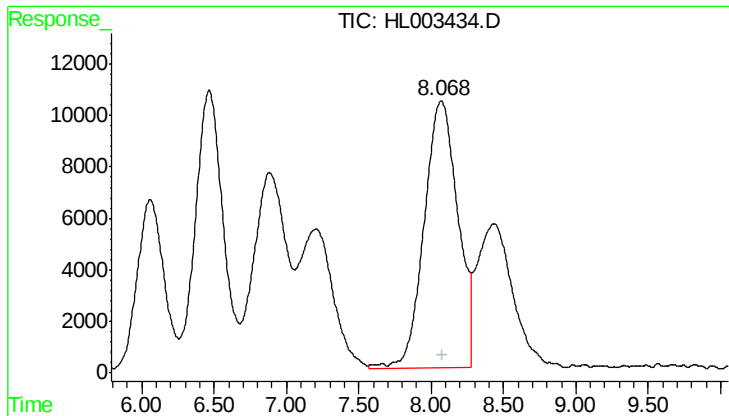
#7 2-Amino-4,6-dinitrotoluene

R.T.: 6.884 min  
Delta R.T.: -0.013 min  
Response: 1163648  
Conc: 114.56 ug/L



#8 4-Amino-2,6-dinitrotoluene

R.T.: 7.202 min  
Delta R.T.: -0.002 min  
Response: 867277  
Conc: 121.41 ug/L



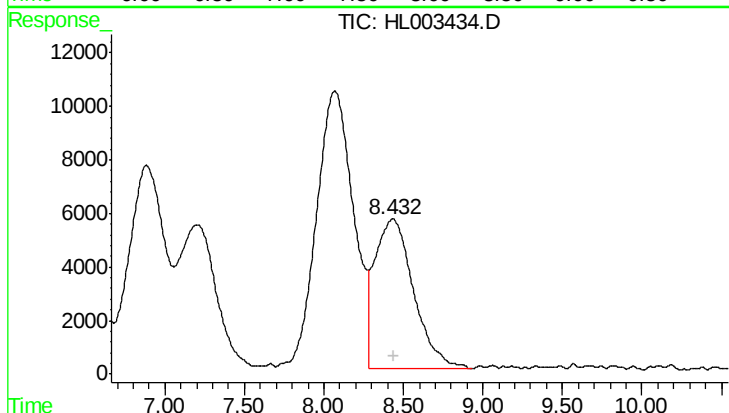
#9 2,4-Dinitrotoluene

R.T.: 8.069 min  
Delta R.T.: -0.007 min  
Response: 1687273  
Conc: 111.83 ug/L

Instrument :  
HPLC\_L  
ClientSampleId :  
PB65373BS1

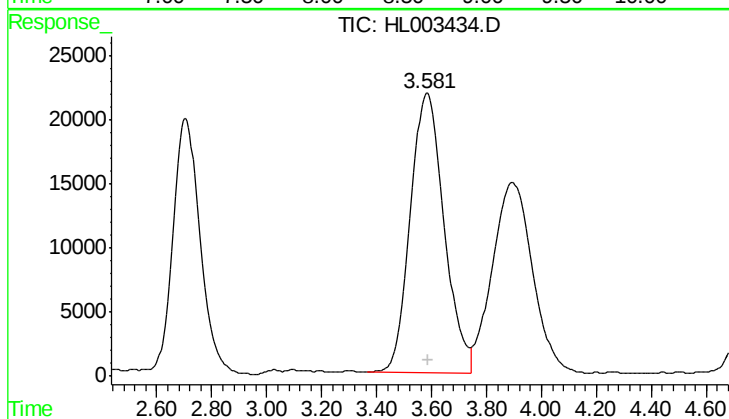
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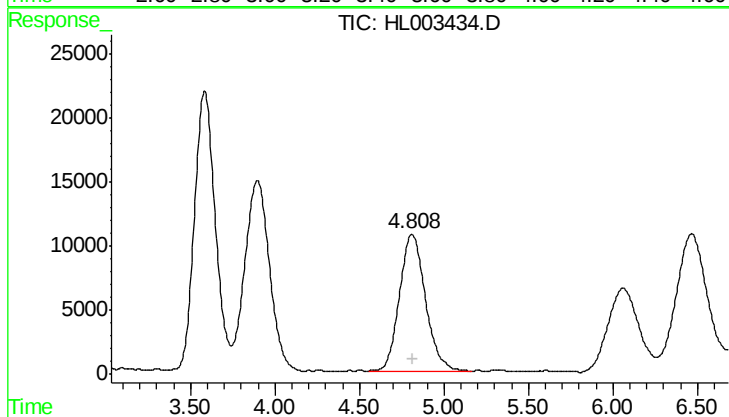
#10 2,6-Dinitrotoluene

R.T.: 8.433 min  
Delta R.T.: -0.006 min  
Response: 957613  
Conc: 112.95 ug/L



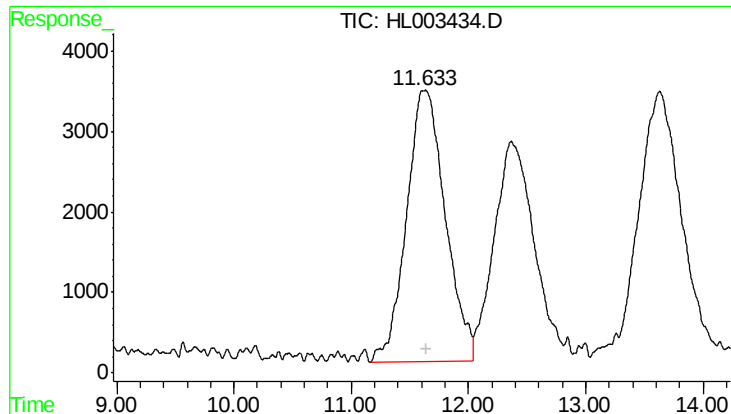
#11 1,3-Dinitrobenzene

R.T.: 3.583 min  
Delta R.T.: -0.003 min  
Response: 1867826  
Conc: 116.12 ug/L



#12 Nitrobenzene

R.T.: 4.810 min  
Delta R.T.: -0.004 min  
Response: 1152718  
Conc: 109.97 ug/L



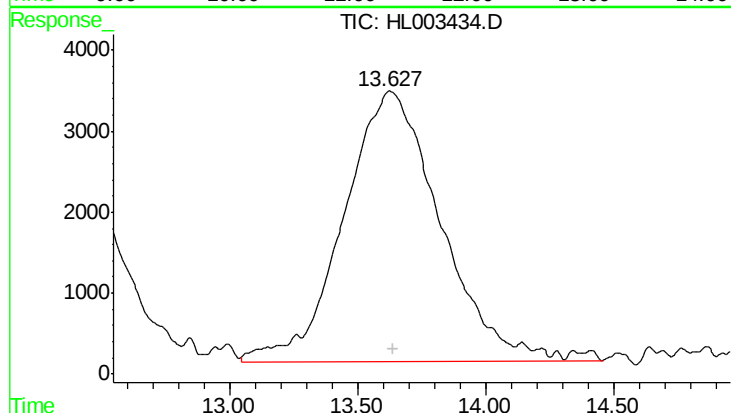
#13 2-Nitrotoluene

R.T.: 11.624 min  
Delta R.T.: -0.019 min  
Response: 779215  
Conc: 117.97 ug/L

Instrument :  
HPLC\_L  
ClientSampleId :  
PB65373BS1

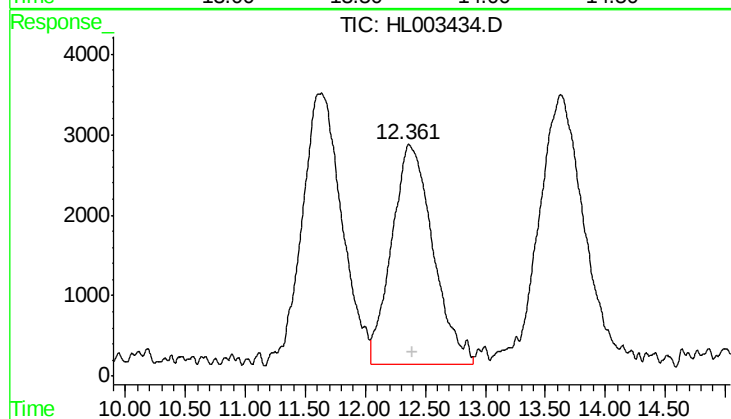
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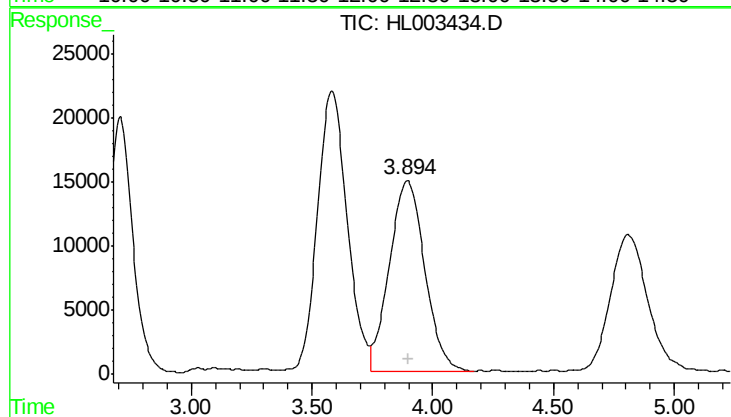
#14 3-Nitrotoluene

R.T.: 13.631 min  
Delta R.T.: -0.010 min  
Response: 879229  
Conc: 126.11 ug/L



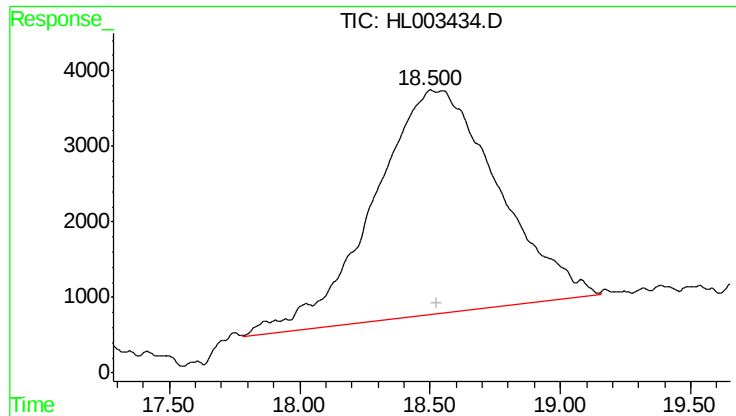
#15 4-Nitrotoluene

R.T.: 12.367 min  
Delta R.T.: -0.025 min  
Response: 655021  
Conc: 118.97 ug/L



#16 3,5-Dinitroaniline

R.T.: 3.896 min  
Delta R.T.: -0.005 min  
Response: 1524855  
Conc: 109.74 ug/L



#18 PETN

R.T.: 18.500 min  
Delta R.T.: -0.027 min  
Response: 978823  
Conc: 99.77 ug/L m

Instrument :  
HPLC\_L  
ClientSampleId :  
PB65373BS1

Manual Integrations  
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9/11/2012 4:22:32 AM

Data Path : S:\HPCHEM1\HPLC\_L\Data\HL080312\  
 Data File : HL003434.D  
 Signal(s) : VWD1A.CH  
 Acq On : 30-Aug-2012, 22:01  
 Operator : HLM  
 Sample : PB65373BS1  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 HPLC\_L  
 ClientSampleId :  
 PB65373BS1

Manual Integrations  
 APPROVED

AHPatel  
 9/11/2012 4:22:32 AM

Integration File: events.e  
 Quant Time: Sep 05 01:17:52 2012  
 Quant Method : H:\VOL1\HPLC\HPLC\_L\METHODS\HL080312.M  
 Quant Title : SW8330A/B Primary (Extend C18 3.5u 4.6x10mm)  
 QLast Update : Fri Aug 31 10:52:41 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. :  
 Signal Phase :  
 Signal Info :

| Compound                      | R.T.           | Response | Conc Units    |
|-------------------------------|----------------|----------|---------------|
| -----                         |                |          |               |
| System Monitoring Compounds   |                |          |               |
| 1) S 4-Nitroaniline           | 1.345          | 606412   | 165.342 ug/L  |
| Spiked Amount 300.000         | Range 37 - 149 | Recovery | = 55.11%      |
| Target Compounds              |                |          |               |
| 2) T HMX                      | 0.903          | 398615   | 98.066 ug/L   |
| 3) T RDX                      | 1.733          | 584044   | 114.405 ug/L  |
| 4) T 1,3,5-Trinitrobenzene    | 2.706          | 1355499  | 111.869 ug/L  |
| 5) T Tetryl                   | 6.059          | 831355   | 96.241 ug/L   |
| 6) T 2,4,6-Trinitrotoluene    | 6.466          | 1410705  | 128.388 ug/L  |
| 7) T 2-Amino-4,6-dinitroto... | 6.884          | 1163648  | 114.564 ug/L  |
| 8) T 4-Amino-2,6-dinitroto... | 7.202          | 867277   | 121.410 ug/L  |
| 9) T 2,4-Dinitrotoluene       | 8.069          | 1687273  | 111.831 ug/L  |
| 10) T 2,6-Dinitrotoluene      | 8.433          | 957613   | 112.953 ug/L  |
| 11) T 1,3-Dinitrobenzene      | 3.583          | 1867826  | 116.121 ug/L  |
| 12) T Nitrobenzene            | 4.810          | 1152718  | 109.974 ug/L  |
| 13) T 2-Nitrotoluene          | 11.624         | 779215   | 117.973 ug/L  |
| 14) T 3-Nitrotoluene          | 13.631         | 879229   | 126.110 ug/L  |
| 15) T 4-Nitrotoluene          | 12.367         | 655021   | 118.965 ug/L  |
| 16) T 3,5-Dinitroaniline      | 3.896          | 1524855  | 109.741 ug/L  |
| 18) T PETN                    | 18.500         | 978823   | 99.774 ug/L m |
| -----                         |                |          |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.