

Data File : S:\HPCHEM1\HPLC\_L\DATA\HL070513\HL005501.D Vial: 5  
 Acq On : 05-Jul-2013, 15:50 Operator: QM  
 Sample : E2748-16MSD Inst : G1314A  
 Misc : Multiplr: 1.00  
 IntFile : autoint1.e  
 Quant Time: Jul 9 1:12 2013 Quant Results File: HL070213.RES

Instrument :  
 HPLC\_L  
 ClientSampleId :  
 POLJAT01-SB-DUP-062713MSD

Manual Integrations  
 APPROVED

QI  
 7/9/2013 4:22:59 PM

Quant Method : Z:\HPCHEM1\HPLC\_L\METHODS\HL070213.M  
 Title :  
 Last Update : Tue Jul 02 16:59:51 2013  
 Response via : Initial Calibration  
 DataAcq Meth : 8330AGIP.M

Volume Inj. : 50 ul  
 Signal Phase : ZORBAX Extend-C18  
 Signal Info : 4.6 X 100mm 3.5-Micron 80A

| Compound                         | R.T.  | Response | Conc Units     |
|----------------------------------|-------|----------|----------------|
| -----                            |       |          |                |
| System Monitoring Compounds      |       |          |                |
| 1) S 4-Nitroaniline              | 1.35  | 746565   | 184.344 ug/L   |
| Target Compounds                 |       |          |                |
| 2) T HMX                         | 0.91  | 581184   | 126.170 ug/L   |
| 3) T RDX                         | 1.76  | 685754   | 135.906 ug/L   |
| 4) T 1,3,5-Trinitrobenzene       | 2.73  | 1625674  | 145.832 ug/L   |
| 5) T 1,3-Dinitrobenzene          | 3.65  | 2307714  | 147.700 ng/ml  |
| 6) T 3,5-Dinitroaniline          | 4.04  | 2016366  | 144.353 ug/L   |
| 7) T Nitrobenzene                | 4.91  | 1344333  | 135.054 ug/L m |
| 8) T Tetryl                      | 6.52  | 785665   | 123.603 ug/L m |
| 9) T 2,4,6-Trinitrotoluene       | 6.70  | 1450619  | 123.541 ug/L m |
| 10) T 2-Amino-4,6-dinitrotoluene | 7.31  | 1497663  | 127.385 ug/L m |
| 11) T 4-Amino-2,6-dinitrotoluene | 7.69  | 817257   | 131.624 ug/L m |
| 12) T 2,4-Dinitrotoluene         | 8.40  | 2121974  | 141.768 ug/L m |
| 13) T 2,6-Dinitrotoluene         | 8.82  | 1200427  | 143.505 ug/L m |
| 14) T 2-Nitrotoluene             | 12.14 | 776110   | 121.594 ug/L m |
| 15) T 4-Nitrotoluene             | 12.92 | 613868   | 113.786 ug/L m |
| 16) T 3-Nitrotoluene             | 14.21 | 879277   | 126.526 ug/L m |
| 17) T PETN                       | 19.99 | 1443071  | 123.782 ug/L m |

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 Analyst Signature:\_\_\_\_\_ Analyst Name:\_\_\_\_\_ Date:\_\_\_\_\_

-----REASONS FOR MANUAL INTEGRATIONS-----

\_\_\_Poor resolution of peaks exhibited on chromatogram.Compound #:\_\_\_\_\_

\_\_\_Peak Integrated by software incorrectly.Compound #:\_\_\_\_\_

\_\_\_OTHER:\_\_\_\_\_Compound #:\_\_\_\_\_

(f)=RT Delta > 1/2 Window (m)=manual int.

## Quantitation Report

```

Data File   : S:\HPCHEM1\HPLC_L\DATA\HL070513\HL005501.D   Vial: 5
Acq On      : 05-Jul-2013, 15:50                               Operator: QM
Sample      : E2748-16MSD                                       Inst   : G1314A
Misc        :                                                    Multiplr: 1.00
IntFile     : autoint1.e
Quant Time: Jul  9 1:12 2013   Quant Results File: HL070213.RES

```

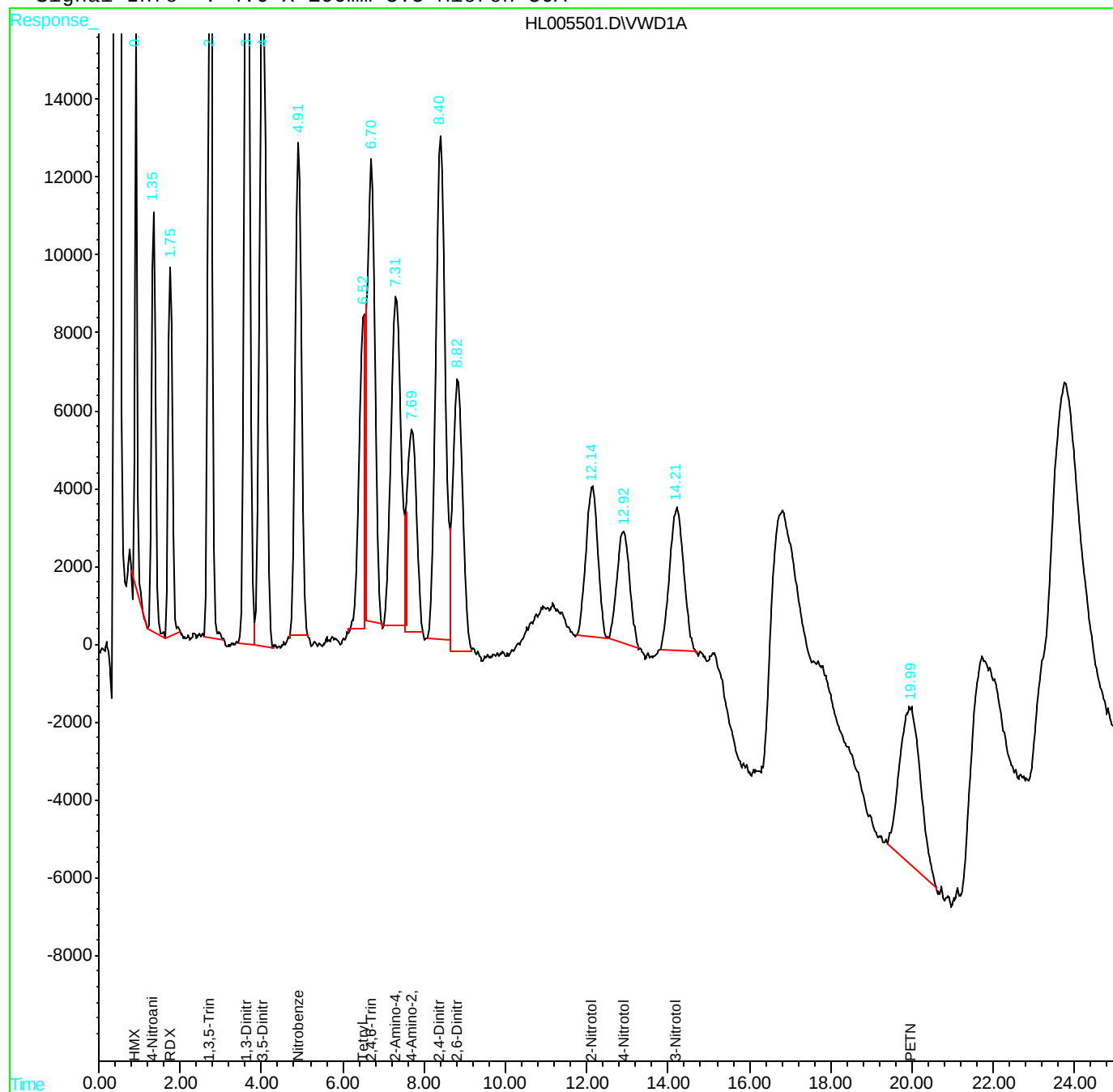
**Instrument :**  
HPLC\_L  
**ClientSampleId :**  
POLJAT01-SB-DUP-062713MSD

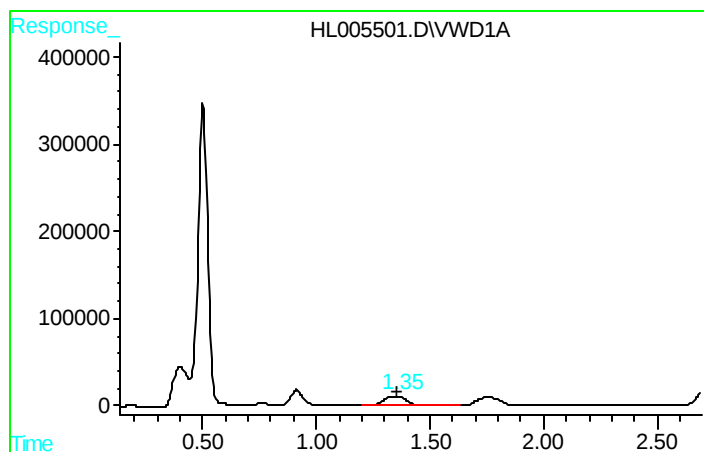
## Manual Integrations

7/9/2013 4:22:59 PM

Quant Method : Z:\HPCHEM1\HPLC\_L\METHODS\HL070213.M  
Title :  
Last Update : Tue Jul 02 16:59:51 2013  
Response via : Multiple Level Calibration  
DataAcq Meth : 8330AGIP.M

Volume Inj. : 50 ul  
Signal Phase : ZORBAX Extend-C18  
Signal Info : 4.6 X 100mm 3.5-Micron 80A





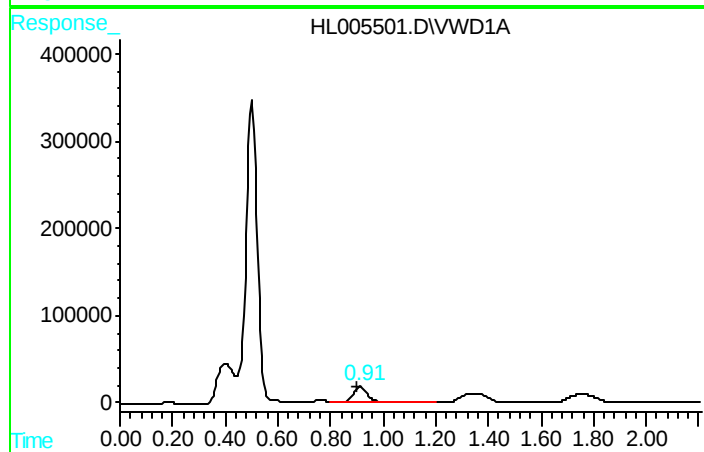
#1 4-Nitroaniline

R.T.: 1.352 min  
Delta R.T.: 0.000 min  
Response: 746565  
Conc: 184.34 ug/L

Instrument :  
HPLC\_L  
ClientSampleId :  
POLJAT01-SB-DUP-062713MSD

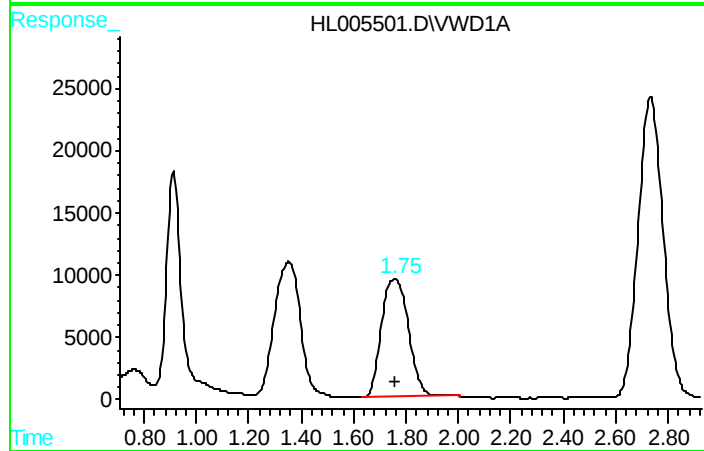
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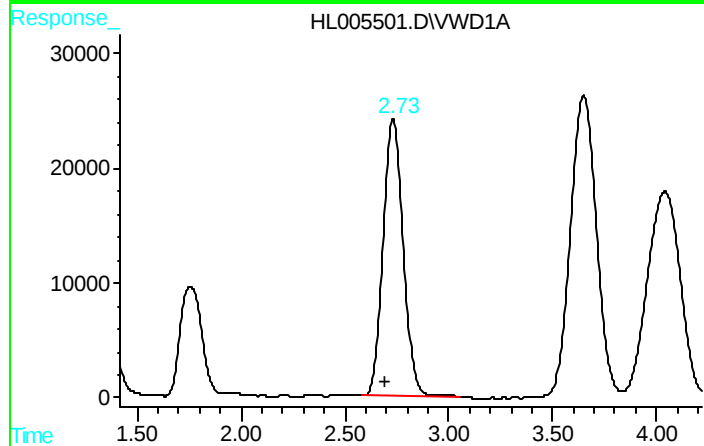
#2 HMX

R.T.: 0.914 min  
Delta R.T.: 0.012 min  
Response: 581184  
Conc: 126.17 ug/L



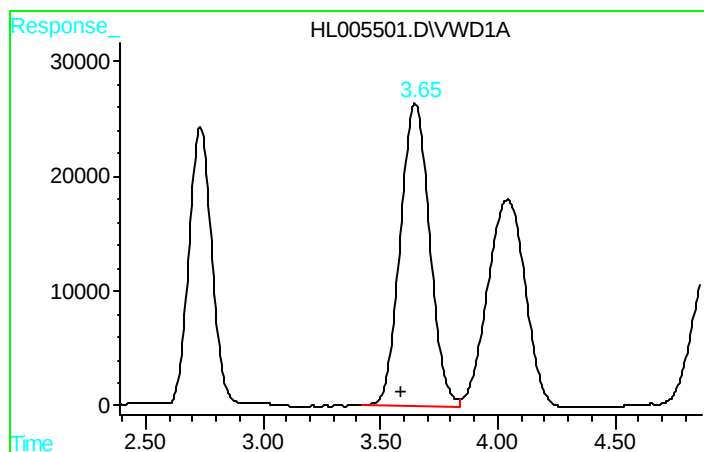
#3 RDX

R.T.: 1.757 min  
Delta R.T.: -0.004 min  
Response: 685754  
Conc: 135.91 ug/L



#4 1,3,5-Trinitrobenzene

R.T.: 2.735 min  
Delta R.T.: 0.041 min  
Response: 1625674  
Conc: 145.83 ug/L



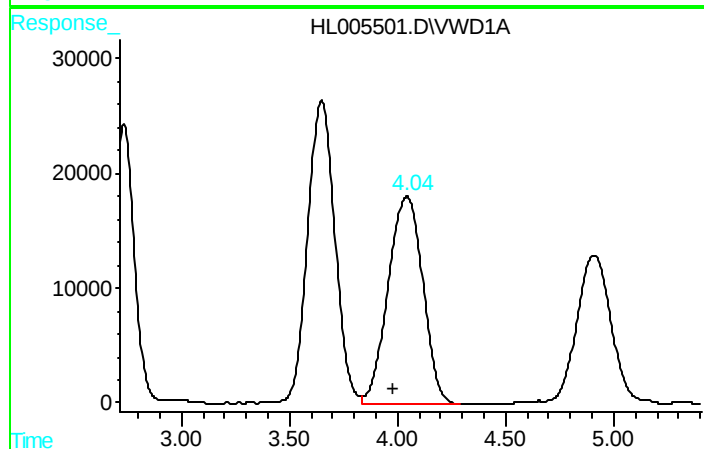
#5 1,3-Dinitrobenzene

R.T.: 3.649 min  
Delta R.T.: 0.066 min  
Response: 2307714  
Conc: 147.70 ng/ml

Instrument :  
HPLC\_L  
ClientSampleId :  
POLJAT01-SB-DUP-062713MSD

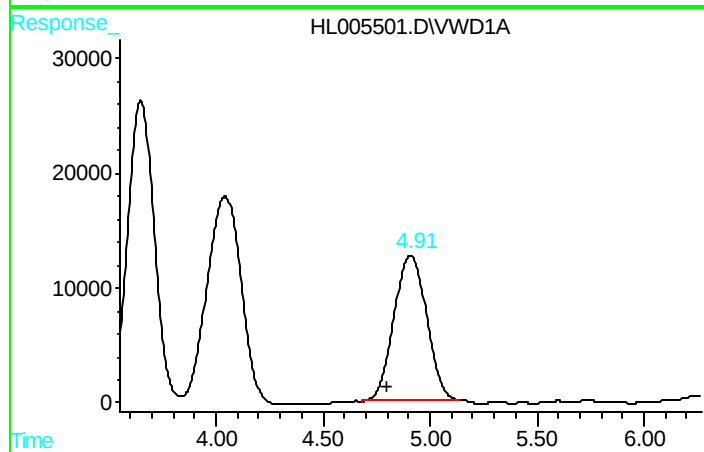
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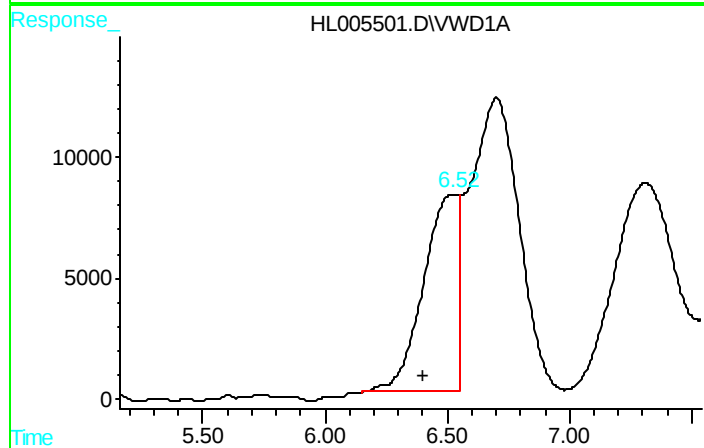
#6 3,5-Dinitroaniline

R.T.: 4.043 min  
Delta R.T.: 0.061 min  
Response: 2016366  
Conc: 144.35 ug/L



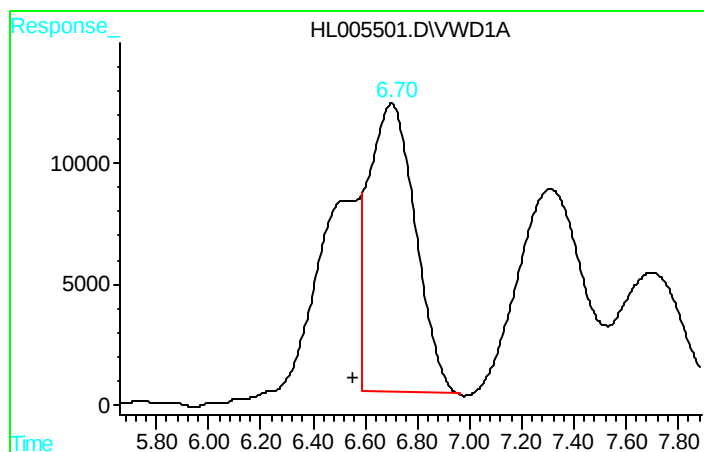
#7 Nitrobenzene

R.T.: 4.908 min  
Delta R.T.: 0.105 min  
Response: 1344333  
Conc: 135.05 ug/L m



#8 Tetryl

R.T.: 6.521 min  
Delta R.T.: 0.121 min  
Response: 785665  
Conc: 123.60 ug/L m



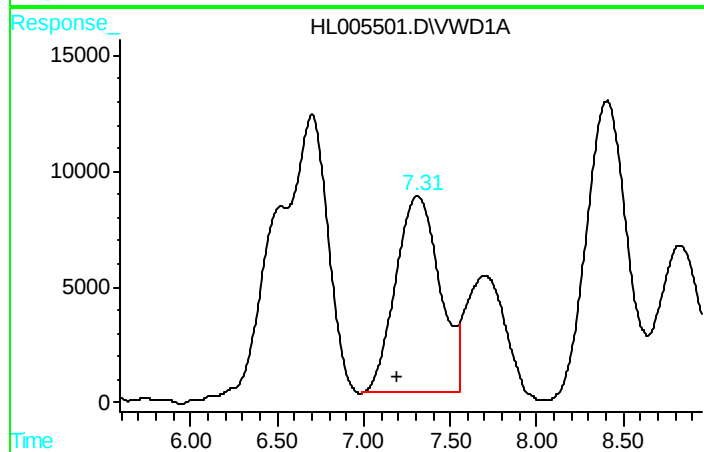
#9 2,4,6-Trinitrotoluene

R.T.: 6.700 min  
Delta R.T.: 0.149 min  
Response: 1450619  
Conc: 123.54 ug/L m

Instrument :  
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ClientSampleId :  
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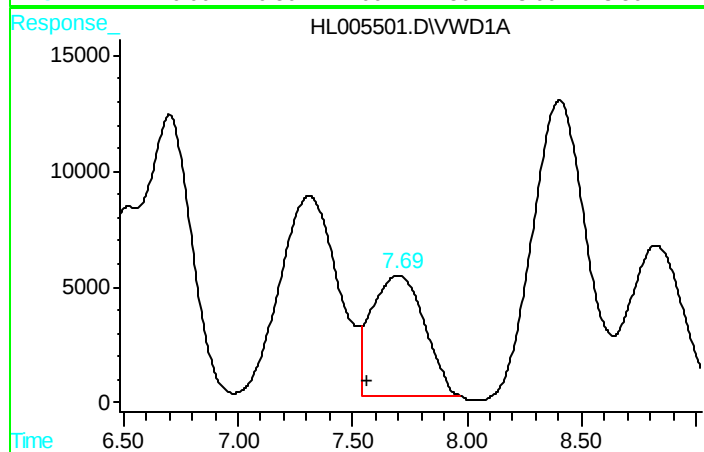
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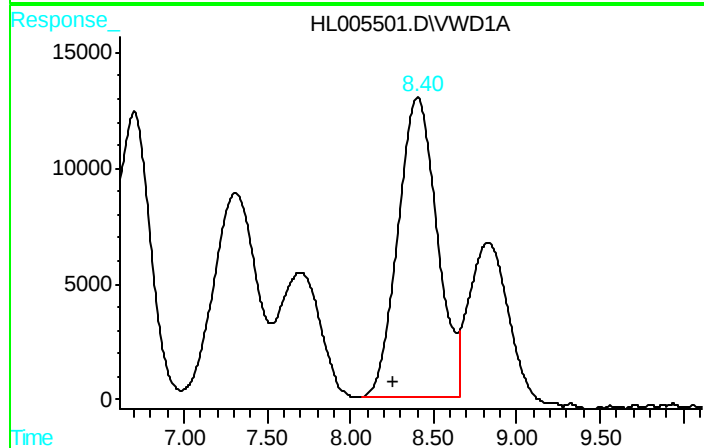
#10 2-Amino-4,6-dinitrotoluene

R.T.: 7.309 min  
Delta R.T.: 0.119 min  
Response: 1497663  
Conc: 127.39 ug/L m



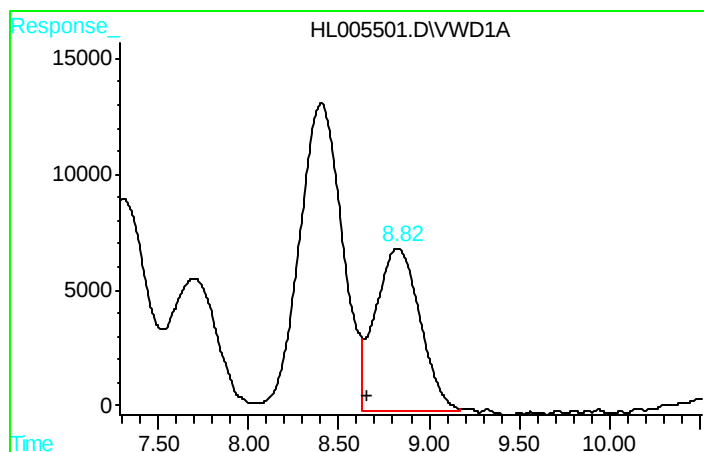
#11 4-Amino-2,6-dinitrotoluene

R.T.: 7.693 min  
Delta R.T.: 0.133 min  
Response: 817257  
Conc: 131.62 ug/L m



#12 2,4-Dinitrotoluene

R.T.: 8.403 min  
Delta R.T.: 0.153 min  
Response: 2121974  
Conc: 141.77 ug/L m



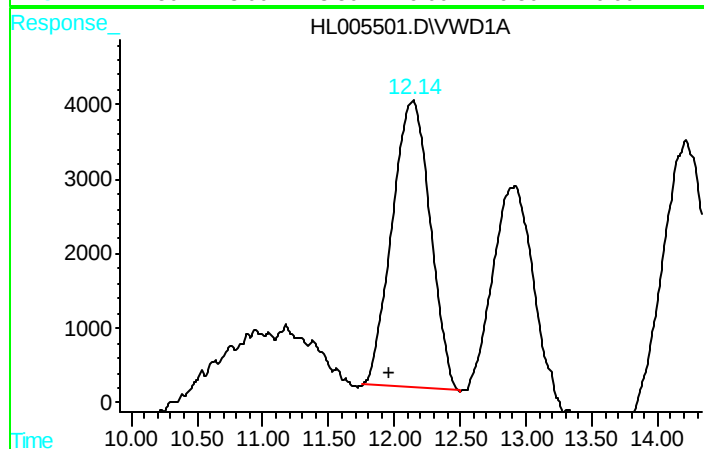
### #13 2,6-Dinitrotoluene

R.T.: 8.824 min  
Delta R.T.: 0.164 min  
Response: 1200427  
Conc: 143.50 ug/L m

Instrument :  
HPLC\_L  
ClientSampleId :  
POLJAT01-SB-DUP-062713MSD

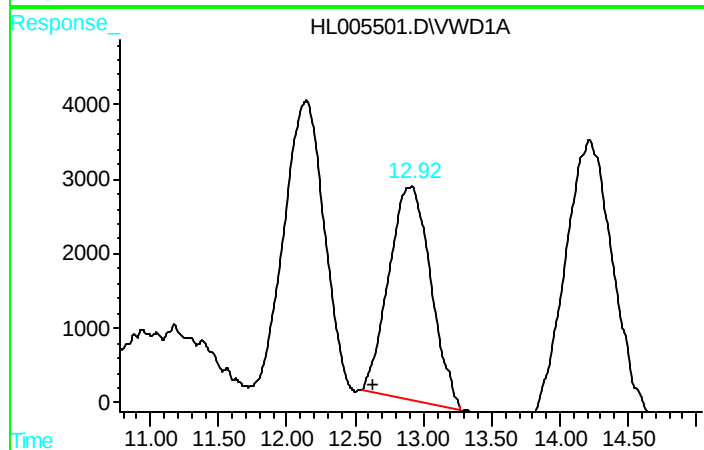
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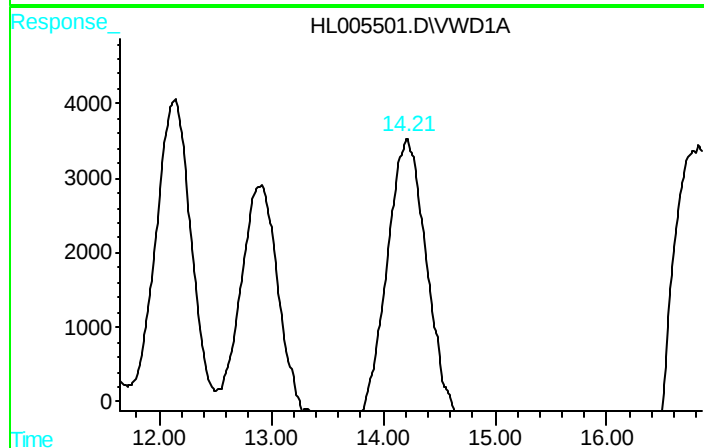
### #14 2-Nitrotoluene

R.T.: 12.142 min  
Delta R.T.: 0.182 min  
Response: 776110  
Conc: 121.59 ug/L m



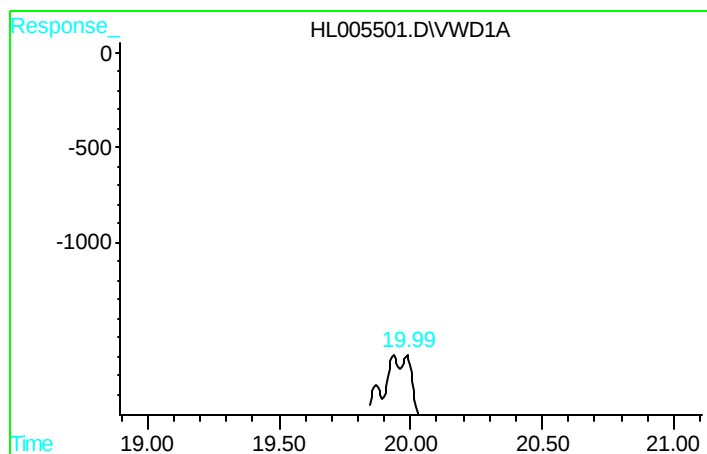
### #15 4-Nitrotoluene

R.T.: 12.918 min  
Delta R.T.: 0.281 min  
Response: 613868  
Conc: 113.79 ug/L m



### #16 3-Nitrotoluene

R.T.: 14.213 min  
Delta R.T.: 0.233 min  
Response: 879277  
Conc: 126.53 ug/L m



#17 PETN

R.T.: 19.987 min  
Delta R.T.: 0.387 min  
Response: 1443071  
Conc: 123.78 ug/L m

Instrument :  
HPLC\_L  
ClientSampleId :  
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