

Data Path : Z:\HPCHEM1\HPLC\_N\DATA\HN060514\  
 Data File : HN006085.D  
 Signal(s) : VWD1A.CH  
 Acq On : 05-Jun-2014, 14:11  
 Operator : HNP  
 Sample : HSTDICC1000  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 HPLC\_N  
 LabSampleId :  
 HSTDICC1000

Manual Integrations  
 APPROVED

TEJASKUMAR  
 10/13/2014 4:13:53 PM

Integration File: autoint1.e  
 Quant Time: Jan 10 01:04:46 2015  
 Quant Method : Z:\HPCHEM1\HPLC\_N\METHODS\HN060514.M  
 Quant Title :  
 QLast Update : Tue May 20 07:20:33 2014  
 Response via : Initial Calibration  
 Integrator: ChemStation

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              | 1.44  | 4450894  | 1136.064 | ug/L   |
| Target Compounds                 |       |          |          |        |
| 2) T HMX                         | 0.94  | 4557702  | 1028.311 | ug/L   |
| 3) T RDX                         | 1.84  | 5720414  | 1193.586 | ug/L   |
| 4) T 1,3,5-Trinitrobenzene       | 2.92  | 11328186 | 1219.882 | ug/L   |
| 5) T 1,3-Dinitrobenzene          | 3.88  | 17343744 | 1210.033 | ng/ml  |
| 6) T 3,5-Dinitroaniline          | 4.31  | 12182887 | 1225.429 | ug/L   |
| 7) T Nitrobenzene                | 5.20  | 10677548 | 1225.373 | ug/L   |
| 8) T Tetryl                      | 7.24  | 7318062  | 1306.815 | ug/L m |
| 9) T 2,4,6-Trinitrotoluene       | 7.36  | 11745033 | 1285.929 | ug/L m |
| 10) T 2-Amino-4,6-dinitrotoluene | 7.96  | 11371103 | 1125.080 | ug/L   |
| 11) T 4-Amino-2,6-dinitrotoluene | 8.42  | 7649287  | 1387.217 | ug/L   |
| 12) T 2,4-Dinitrotoluene         | 9.20  | 15922315 | 1182.001 | ug/L   |
| 13) T 2,6-Dinitrotoluene         | 9.69  | 8737620  | 1194.920 | ug/L m |
| 14) T 2-Nitrotoluene             | 13.28 | 6668462  | 1161.305 | ug/L m |
| 15) T 4-Nitrotoluene             | 14.15 | 5255998  | 1130.151 | ug/L m |
| 16) T 3-Nitrotoluene             | 15.57 | 7058758  | 1174.554 | ug/L   |
| 17) T PETN                       | 21.65 | 7913361  | 1184.019 | ug/L   |
| -----                            |       |          |          |        |

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\HPCHEM1\HPLC\_N\DATA\HN060514\  
Data File : HN006085.D  
Signal(s) : VWD1A.CH  
Acq On : 05-Jun-2014, 14:11  
Operator : HNP  
Sample : HSTDICC1000  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

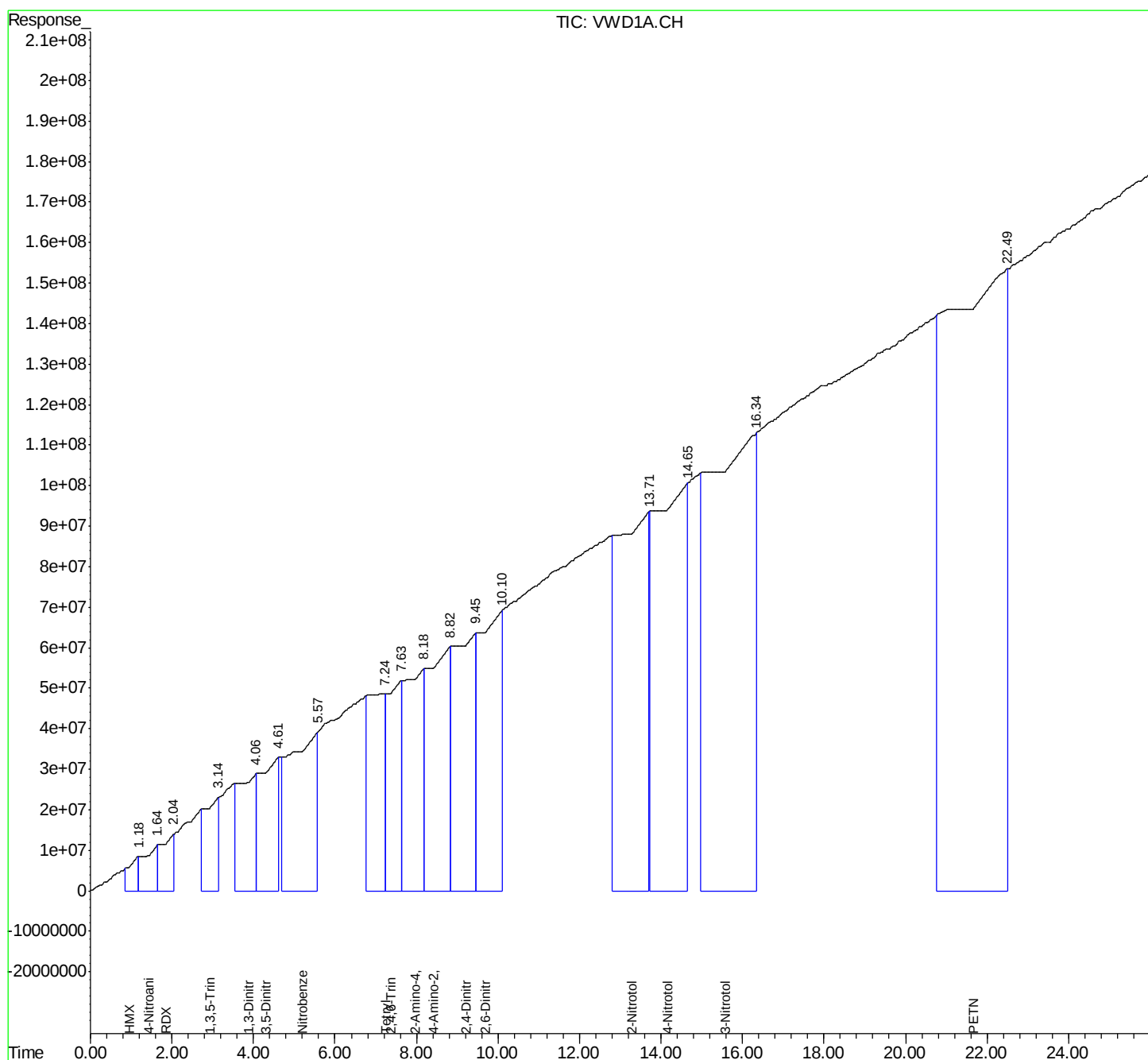
Instrument :  
HPLC\_N  
LabSampleId :  
HSTDICC1000

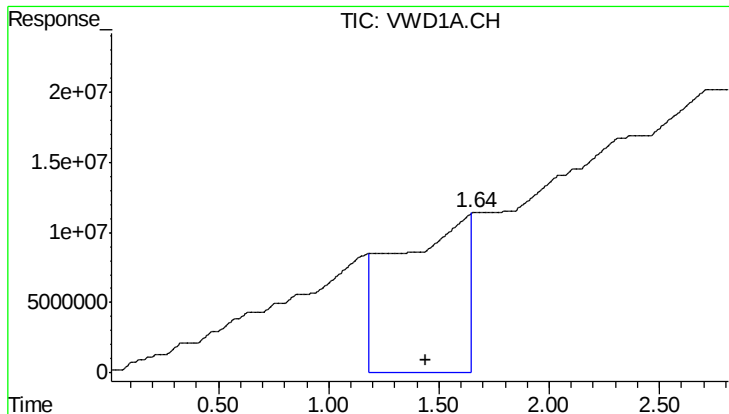
Manual Integrations  
APPROVED

TEJASKUMAR  
10/13/2014 4:13:53 PM

Integration File: autoint1.e  
Quant Time: Jan 10 01:04:46 2015  
Quant Method : Z:\HPCHEM1\HPLC\_N\METHODS\HN060514.M  
Quant Title :  
QLast Update : Tue May 20 07:20:33 2014  
Response via : Initial Calibration  
Integrator: ChemStation

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





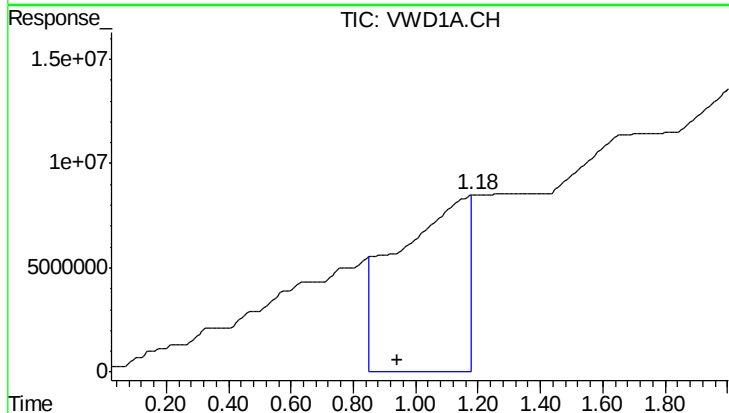
# #1 4-Nitroaniline

R.T.: 1.438 min  
Delta R.T.: -0.002 min  
Response: 4450894  
Conc: 1136.06 ug/L

Instrument :  
HPLC\_N  
LabSampleId :  
HSTDICC1000

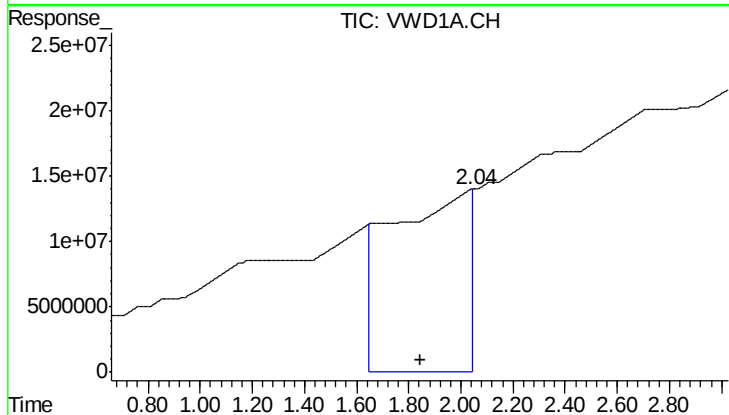
Manual Integrations  
APPROVED

TEJASKUMAR  
10/13/2014 4:13:53 PM



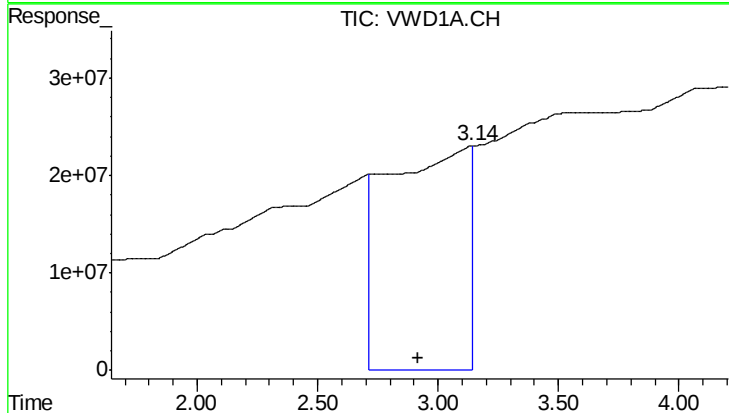
# #2 HMX

R.T.: 0.944 min  
Delta R.T.: 0.001 min  
Response: 4557702  
Conc: 1028.31 ug/L



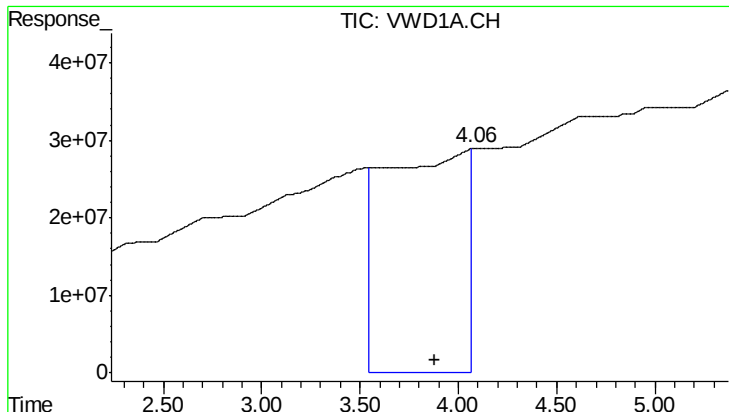
# #3 RDX

R.T.: 1.842 min  
Delta R.T.: -0.002 min  
Response: 5720414  
Conc: 1193.59 ug/L



# #4 1,3,5-Trinitrobenzene

R.T.: 2.919 min  
Delta R.T.: 0.004 min  
Response: 11328186  
Conc: 1219.88 ug/L

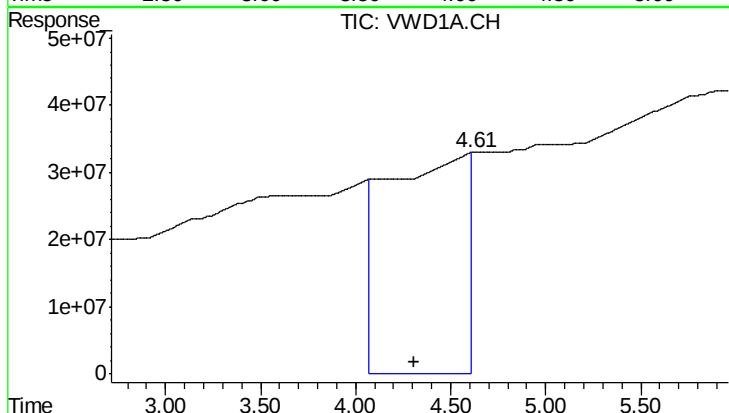


#5 1,3-Dinitrobenzene  
 R.T.: 3.882 min  
 Delta R.T.: 0.004 min  
 Response: 17343744  
 Conc: 1210.03 ng/ml

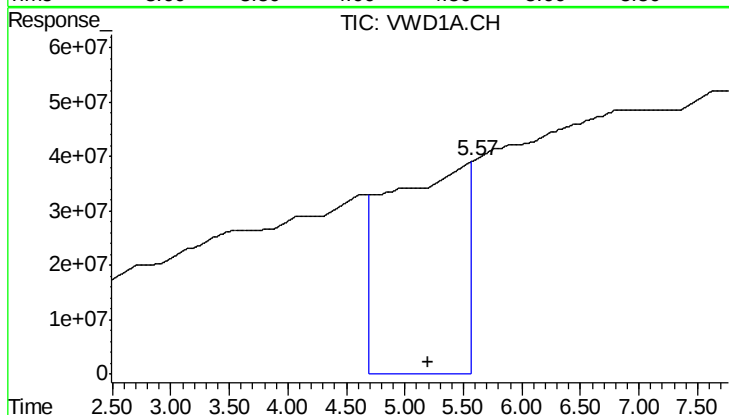
Instrument :  
 HPLC\_N  
 LabSampleId :  
 HSTDICC1000

Manual Integrations  
 APPROVED

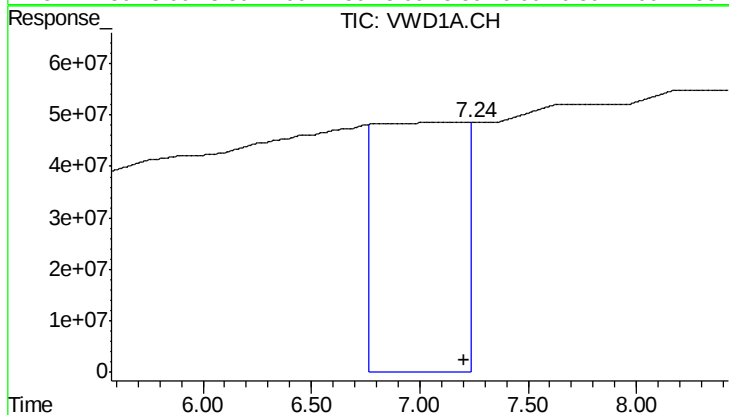
TEJASKUMAR  
 10/13/2014 4:13:53 PM



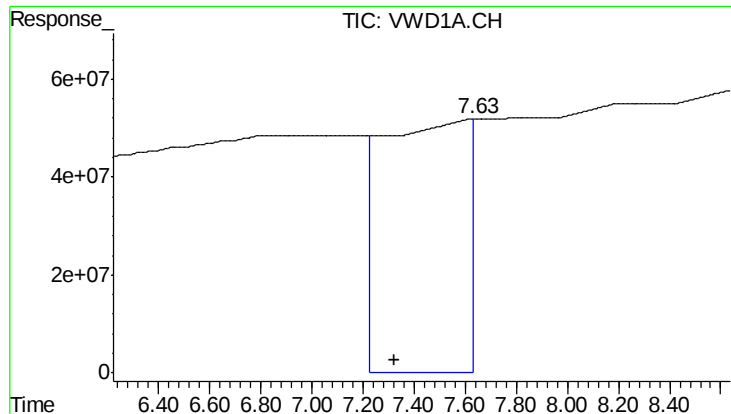
#6 3,5-Dinitroaniline  
 R.T.: 4.305 min  
 Delta R.T.: 0.000 min  
 Response: 12182887  
 Conc: 1225.43 ug/L



#7 Nitrobenzene  
 R.T.: 5.204 min  
 Delta R.T.: 0.010 min  
 Response: 10677548  
 Conc: 1225.37 ug/L



#8 Tetryl  
 R.T.: 7.236 min  
 Delta R.T.: 0.029 min  
 Response: 7318062  
 Conc: 1306.81 ug/L m



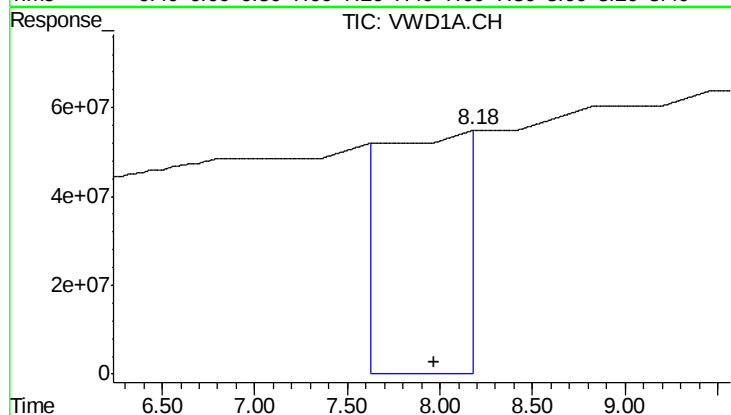
#9 2,4,6-Trinitrotoluene

R.T.: 7.357 min  
 Delta R.T.: 0.034 min  
 Response: 11745033  
 Conc: 1285.93 ug/L

Instrument :  
 HPLC\_N  
 LabSampleId :  
 HSTDICC1000

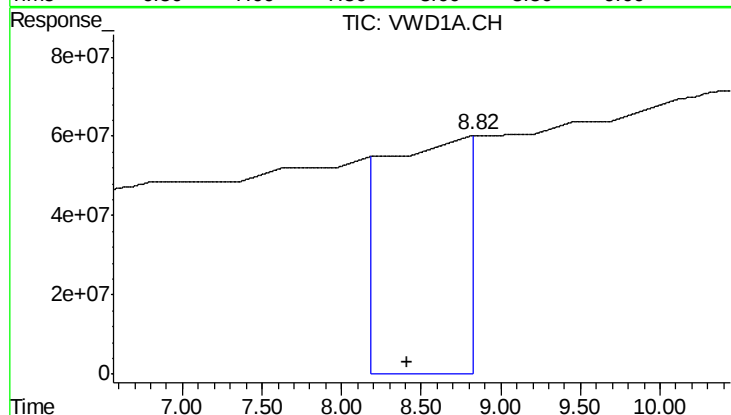
Manual Integrations  
 APPROVED

TEJASKUMAR  
 10/13/2014 4:13:53 PM



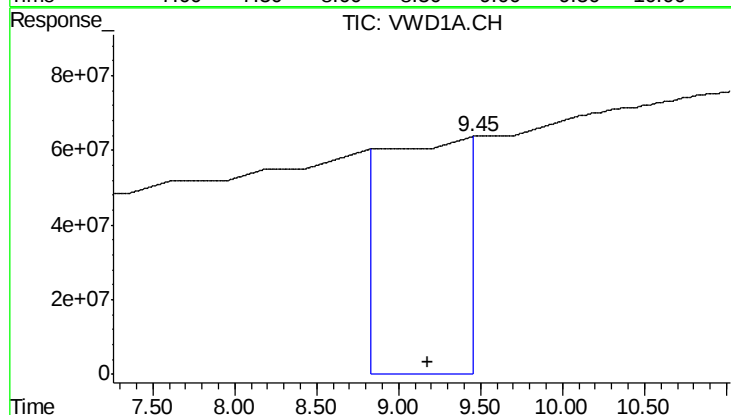
#10 2-Amino-4,6-dinitrotoluene

R.T.: 7.965 min  
 Delta R.T.: -0.003 min  
 Response: 11371103  
 Conc: 1125.08 ug/L



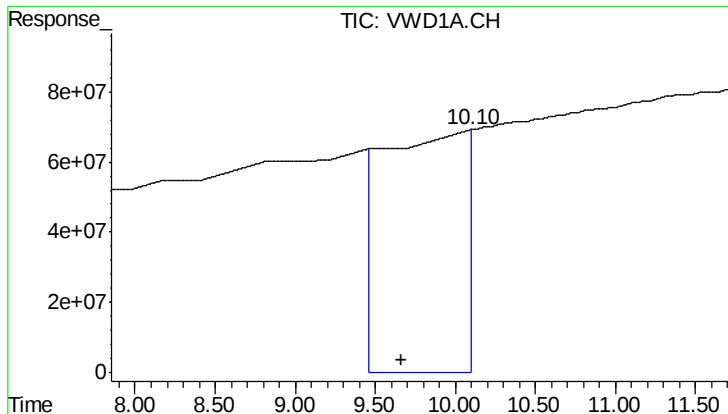
#11 4-Amino-2,6-dinitrotoluene

R.T.: 8.420 min  
 Delta R.T.: 0.006 min  
 Response: 7649287  
 Conc: 1387.22 ug/L



#12 2,4-Dinitrotoluene

R.T.: 9.203 min  
 Delta R.T.: 0.022 min  
 Response: 15922315  
 Conc: 1182.00 ug/L



#13 2,6-Dinitrotoluene

R.T.: 9.688 min

Delta R.T.: 0.021 min

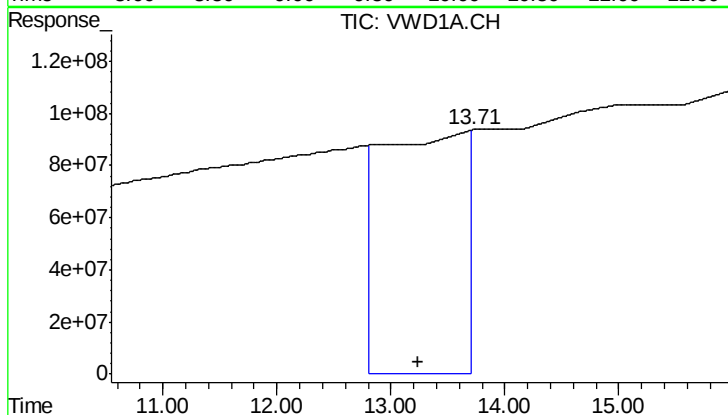
Response: 8737620

Conc: 1194.92 ug/L

Instrument :  
HPLC\_N  
LabSampleId :  
HSTDICC1000

Manual Integrations  
APPROVED

TEJASKUMAR  
10/13/2014 4:13:53 PM



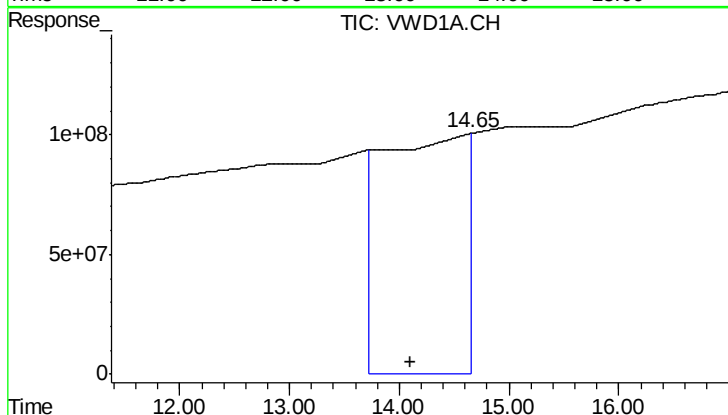
#14 2-Nitrotoluene

R.T.: 13.279 min

Delta R.T.: 0.038 min

Response: 6668462

Conc: 1161.31 ug/L m



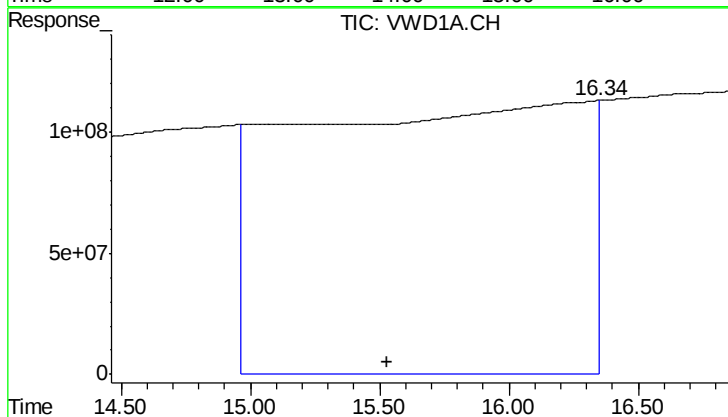
#15 4-Nitrotoluene

R.T.: 14.147 min

Delta R.T.: 0.047 min

Response: 5255998

Conc: 1130.15 ug/L m



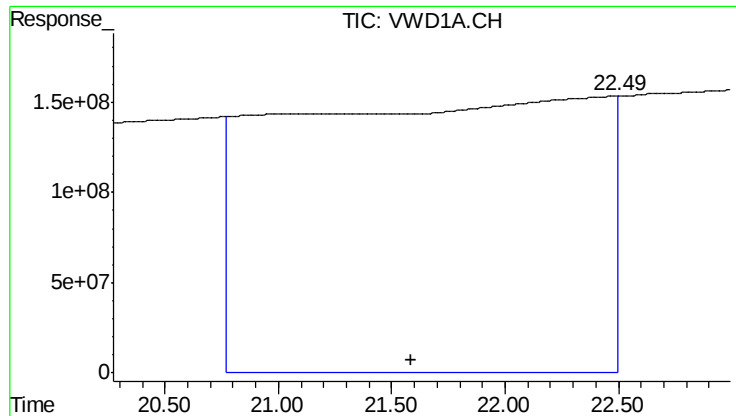
#16 3-Nitrotoluene

R.T.: 15.572 min

Delta R.T.: 0.045 min

Response: 7058758

Conc: 1174.55 ug/L



#17 PETN

R.T.: 21.651 min  
Delta R.T.: 0.067 min  
Response: 7913361  
Conc: 1184.02 ug/L

Instrument :  
HPLC\_N  
LabSampleId :  
HSTDICC1000

Manual Integrations  
APPROVED

TEJASKUMAR  
10/13/2014 4:13:53 PM