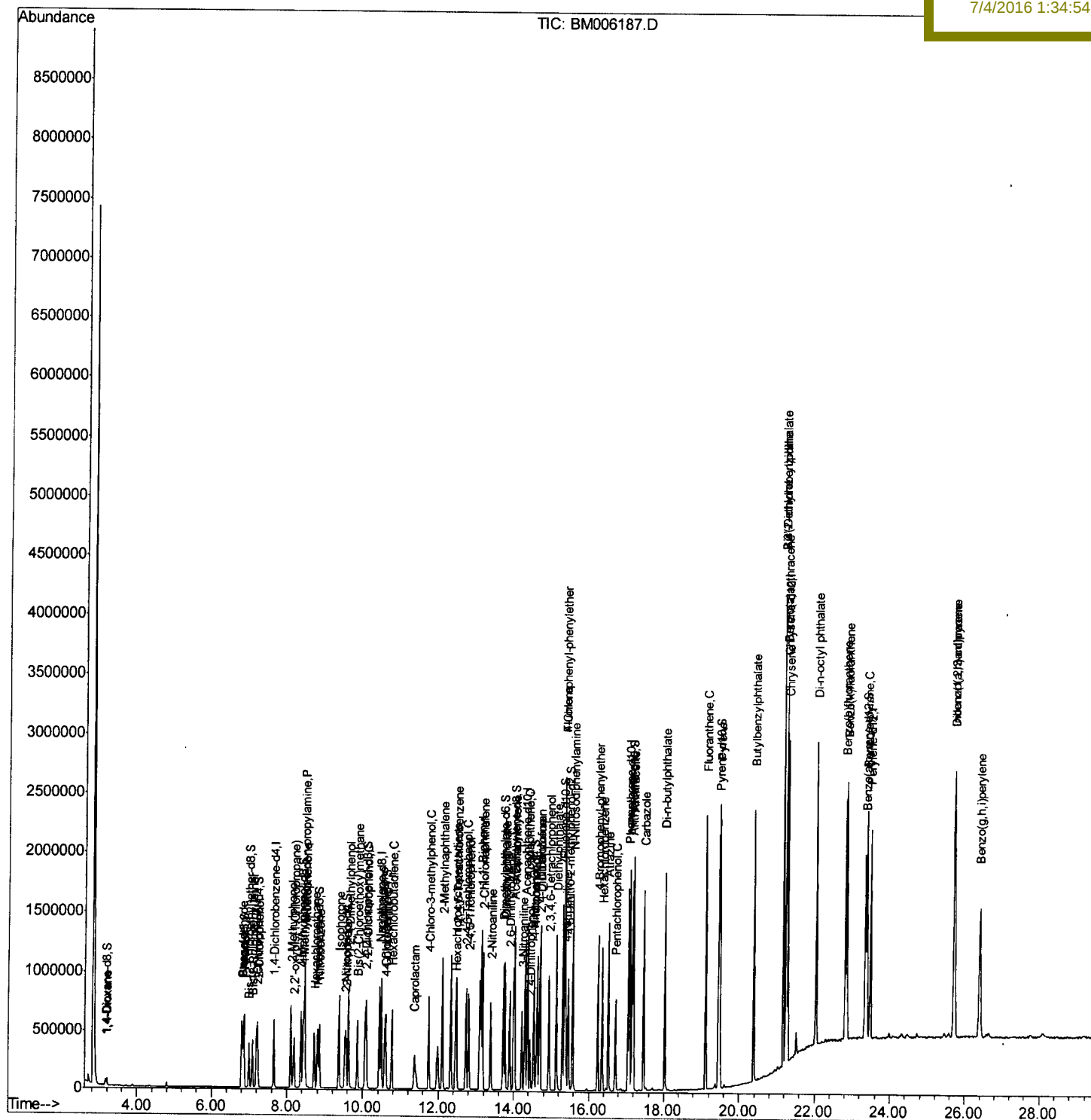


(QT Reviewed)

Quant Time: Jul 02 23:55:46 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM070216.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Jul 02 23:37:13 2016  
Response via : Initial Calibration

## Manual Integratio

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# Quantitation Report (Qedit)

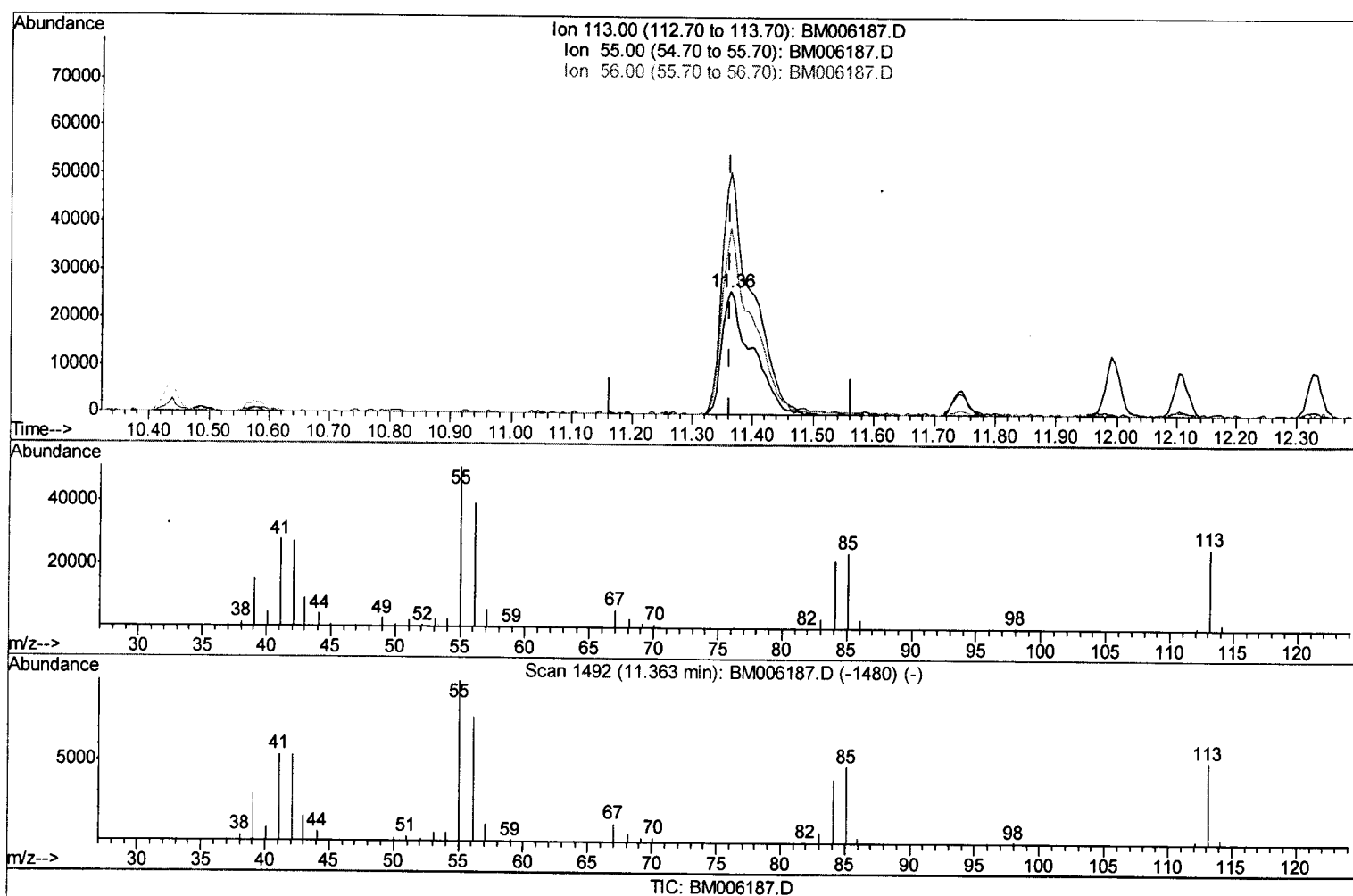
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM070216\  
 Data File : BM006187.D  
 Acq On : 01 Jul 2016 20:25  
 Operator : UM/SJ  
 Sample : SSTD02061  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA M  
 ClientSampleId :  
 SSTD02061

Manual Integration

Quant Time: Jul 02 23:39:49 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM070216.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jul 02 23:37:13 2016  
 Response via : Initial Calibration

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(32) Caprolactam

11.363min (0.000) 21.17ng/ul m U.M.

response 90879

07/05/16

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 194.80 | 194.80 |
| 56.00  | 150.60 | 150.57 |
| 0.00   | 0.00   | 0.00   |

# Quantitation Report (Qedit)

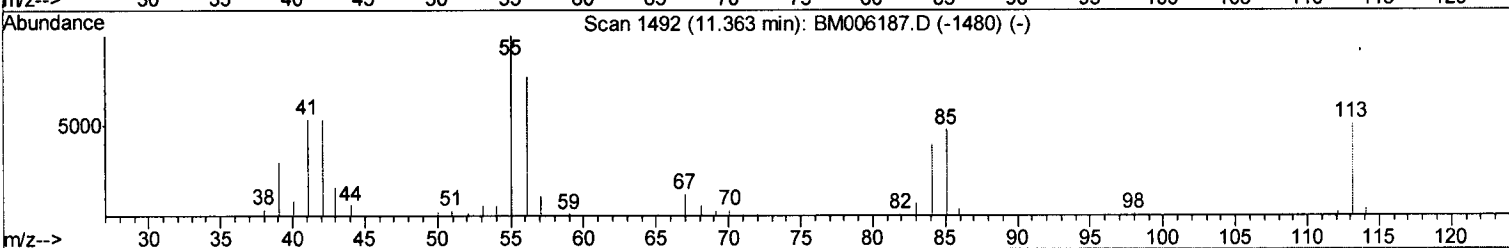
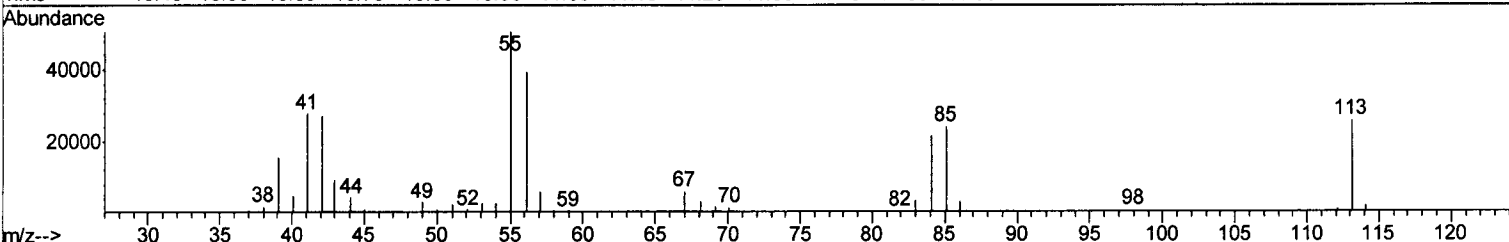
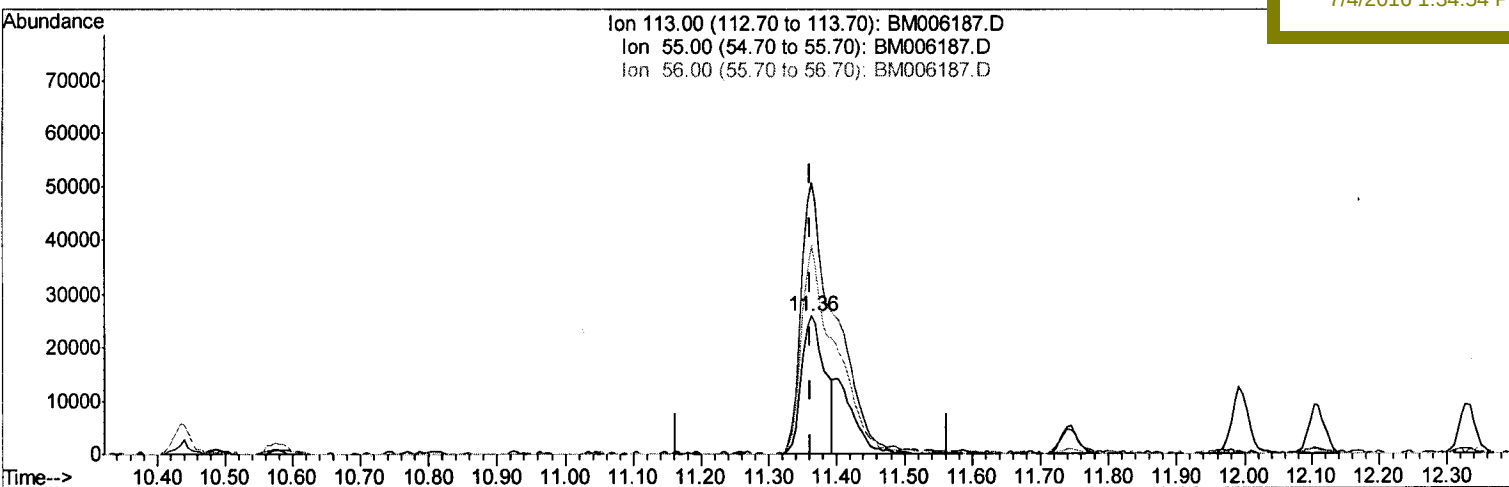
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM070216\  
 Data File : BM006187.D  
 Acq On : 01 Jul 2016 20:25  
 Operator : UM/SJ  
 Sample : SSTD02061  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02061

Quant Time: Jul 02 23:39:49 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM070216.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jul 02 23:37:13 2016  
 Response via : Initial Calibration

Manual Integration

sohil  
 7/4/2016 1:34:54 PM



TIC: BM006187.D

(32) Caprolactam

11.363min (0.000) 14.38ng/ul

response 61736

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 194.80 | 194.80 |
| 56.00  | 150.60 | 150.57 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM070216\  
 Data File : BM006187.D  
 Acq On : 01 Jul 2016 20:25  
 Operator : UM/SJ  
 Sample : SSTD02061  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02061

Quant Time: Jul 02 23:55:46 2016  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jul 02 23:37:13 2016  
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Manual Integration

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 7/4/2016 1:34:54 PM

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 150124   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.44 | 136  | 703065   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.31 | 164  | 427002   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.06 | 188  | 1014355  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.26 | 240  | 1171587  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.48 | 264  | 1274600  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.16  | 96  | 28606   | 7.44  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.83  | 99  | 287547  | 19.85 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.99  | 67  | 173459  | 21.60 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.19  | 132 | 216408  | 19.54 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.37  | 113 | 235232  | 19.28 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.81  | 128 | 112358  | 21.55 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.53  | 143 | 128791  | 22.54 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.06 | 165 | 228246  | 20.53 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.58 | 131 | 251755  | 20.86 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.72 | 166 | 714582  | 20.21 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.00 | 160 | 891042  | 21.14 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.53 | 143 | 140564  | 19.58 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.30 | 176 | 617740  | 19.89 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.44 | 200 | 123682  | 22.32 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.16 | 188 | 980013  | 20.81 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.46 | 212 | 1106411 | 22.68 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.34 | 264 | 1192961 | 20.75 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |             | Qvalue |
|--------------------------------|-------|-----|--------|-------------|--------|
| 2) 1,4-Dioxane                 | 3.20  | 88  | 29789  | 7.01 ng/uL# | 18     |
| 4) Benzaldehyde                | 6.80  | 77  | 195048 | 26.97 ng/ul | 100    |
| 6) Phenol                      | 6.86  | 94  | 299516 | 19.76 ng/ul | 100    |
| 8) Bis(2-Chloroethyl)ether     | 7.09  | 93  | 227295 | 20.73 ng/ul | 100    |
| 10) 2-Chlorophenol             | 7.22  | 128 | 223024 | 19.57 ng/ul | 100    |
| 11) 2-Methylphenol             | 8.10  | 108 | 231003 | 19.59 ng/ul | 100    |
| 12) 2,2'-oxybis(1-Chloropropan | 8.19  | 45  | 334167 | 21.30 ng/ul | 100    |
| 14) Acetophenone               | 8.47  | 105 | 373628 | 20.12 ng/ul | 100    |
| 15) N-Nitroso-di-n-propylamine | 8.46  | 70  | 204319 | 19.51 ng/ul | 100    |
| 16) 4-Methylphenol             | 8.43  | 108 | 253603 | 19.31 ng/ul | 100    |
| 17) Hexachloroethane           | 8.72  | 117 | 92302  | 21.65 ng/ul | 100    |
| 20) Nitrobenzene               | 8.85  | 77  | 292547 | 22.39 ng/ul | 100    |
| 21) Isophorone                 | 9.37  | 82  | 561180 | 21.28 ng/ul | 100    |
| 23) 2-Nitrophenol              | 9.56  | 139 | 137480 | 22.28 ng/ul | 100    |
| 24) 2,4-Dimethylphenol         | 9.63  | 107 | 292478 | 21.50 ng/ul | 100    |
| 25) Bis(2-Chloroethoxy)methane | 9.86  | 93  | 333589 | 21.42 ng/ul | 100    |
| 27) 2,4-Dichlorophenol         | 10.09 | 162 | 227648 | 20.34 ng/ul | 100    |
| 28) Naphthalene                | 10.49 | 128 | 721152 | 20.10 ng/ul | 100    |
| 30) 4-Chloroaniline            | 10.60 | 127 | 260817 | 20.30 ng/ul | 100    |
| 31) Hexachlorobutadiene        | 10.77 | 225 | 142487 | 21.95 ng/ul | 100    |
| 32) Caprolactam                | 11.36 | 113 | 90879m | 21.17 ng/ul | 100    |
| 33) 4-Chloro-3-methylphenol    | 11.75 | 107 | 278396 | 20.32 ng/ul | 100    |
| 34) 2-Methylnaphthalene        | 12.11 | 142 | 555368 | 19.78 ng/ul | 100    |

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 07/05/16

## Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM070216\  
 Data File : BM006187.D  
 Acq On : 01 Jul 2016 20:25  
 Operator : UM/SJ  
 Sample : SST02061  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST02061

Manual Integration

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 7/4/2016 1:34:54 PM

Quant Time: Jul 02 23:55:46 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM070216.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jul 02 23:37:13 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.48 | 216  | 288277   | 21.65 | ng/ul | 100      |
| 37) Hexachlorocyclopentadiene  | 12.46 | 237  | 163010   | 21.97 | ng/ul | 100      |
| 38) 2,4,6-Trichlorophenol      | 12.73 | 196  | 202748   | 21.97 | ng/ul | 100      |
| 39) 2,4,5-Trichlorophenol      | 12.80 | 196  | 217390   | 21.61 | ng/ul | 100      |
| 40) 1,1'-Biphenyl              | 13.13 | 154  | 711746   | 20.55 | ng/ul | 100      |
| 41) 2-Chloronaphthalene        | 13.17 | 162  | 550524   | 20.64 | ng/ul | 100      |
| 42) 2-Nitroaniline             | 13.39 | 65   | 215139   | 24.33 | ng/ul | 100      |
| 44) Dimethylphthalate          | 13.77 | 163  | 722129   | 20.11 | ng/ul | 100      |
| 45) 2,6-Dinitrotoluene         | 13.89 | 165  | 156409   | 21.97 | ng/ul | 100      |
| 47) Acenaphthylene             | 14.03 | 152  | 938902   | 21.44 | ng/ul | 100      |
| 48) 3-Nitroaniline             | 14.22 | 138  | 151451   | 20.74 | ng/ul | 100      |
| 49) Acenaphthene               | 14.37 | 153  | 590558   | 20.06 | ng/ul | 100      |
| 50) 2,4-Dinitrophenol          | 14.44 | 184  | 81104    | 19.64 | ng/ul | 100      |
| 52) 4-Nitrophenol              | 14.54 | 109  | 140905   | 21.47 | ng/ul | 100      |
| 53) Dibenzofuran               | 14.71 | 168  | 856274   | 19.94 | ng/ul | 100      |
| 54) 2,4-Dinitrotoluene         | 14.69 | 165  | 226064   | 21.30 | ng/ul | 100      |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.94 | 232  | 192848   | 20.50 | ng/ul | 100      |
| 56) Diethylphthalate           | 15.14 | 149  | 755180   | 19.91 | ng/ul | 100      |
| 58) Fluorene                   | 15.36 | 166  | 692539   | 19.67 | ng/ul | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.36 | 204  | 337307   | 19.85 | ng/ul | 100      |
| 60) 4-Nitroaniline             | 15.39 | 138  | 186579   | 21.34 | ng/ul | 100      |
| 63) 4,6-Dinitro-2-methylphenol | 15.46 | 198  | 133586   | 22.18 | ng/ul | 100      |
| 64) N-Nitrosodiphenylamine     | 15.57 | 169  | 617731   | 21.19 | ng/ul | 100      |
| 65) 4-Bromophenyl-phenylether  | 16.25 | 248  | 230332   | 21.94 | ng/ul | 100      |
| 66) Hexachlorobenzene          | 16.37 | 284  | 254876   | 21.07 | ng/ul | 100      |
| 67) Atrazine                   | 16.53 | 200  | 244765   | 23.36 | ng/ul | 100      |
| 68) Pentachlorophenol          | 16.72 | 266  | 132859   | 17.80 | ng/ul | 100      |
| 69) Phenanthrene               | 17.10 | 178  | 1148545  | 19.91 | ng/ul | 100      |
| 71) Anthracene                 | 17.19 | 178  | 1190575  | 20.74 | ng/ul | 100      |
| 72) Carbazole                  | 17.47 | 167  | 1076521  | 20.95 | ng/ul | 100      |
| 73) Di-n-butylphthalate        | 18.03 | 149  | 1385247  | 21.37 | ng/ul | 100      |
| 74) Fluoranthene               | 19.12 | 202  | 1416105  | 21.14 | ng/ul | 100      |
| 77) Pyrene                     | 19.49 | 202  | 1476580  | 22.72 | ng/ul | 100      |
| 78) Butylbenzylphthalate       | 20.39 | 149  | 669530   | 23.90 | ng/ul | 100      |
| 79) 3,3'-Dichlorobenzidine     | 21.17 | 252  | 492465   | 21.90 | ng/ul | 100      |
| 80) Benzo(a)anthracene         | 21.24 | 228  | 1448544  | 20.80 | ng/ul | 100      |
| 81) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 919600   | 22.49 | ng/ul | 100      |
| 82) Chrysene                   | 21.29 | 228  | 1323647  | 20.28 | ng/ul | 100      |
| 84) Di-n-octyl phthalate       | 22.04 | 149  | 1708592  | 24.19 | ng/ul | 100      |
| 85) Benzo(b)fluoranthene       | 22.81 | 252  | 1516195  | 20.76 | ng/ul | 100      |
| 86) Benzo(k)fluoranthene       | 22.86 | 252  | 1461835  | 20.46 | ng/ul | 100      |
| 88) Benzo(a)pyrene             | 23.39 | 252  | 1489260  | 20.49 | ng/ul | 100      |
| 89) Indeno(1,2,3-cd)pyrene     | 25.71 | 276  | 1685247  | 18.07 | ng/ul | 100      |
| 90) Dibenzo(a,h)anthracene     | 25.73 | 278  | 1408763  | 18.21 | ng/ul | 100      |
| 91) Benzo(g,h,i)perylene       | 26.40 | 276  | 1444183  | 17.87 | ng/ul | 100      |

(#) = qualifier out of range (m) = manual integration (+) = signals summed