

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032620\  
 Data File : BM025833.D  
 Acq On : 27 Mar 2020 12:13  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02067

Manual Integrations  
 APPROVED

mohammad  
 3/30/2020 8:31:41 AM

Quant Time: Mar 27 12:46:26 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Mar 26 18:34:50 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.56  | 152  | 165227   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.33 | 136  | 676606   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.20 | 164  | 428510   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.95 | 188  | 943905   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.14 | 240  | 1033432  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.30 | 264  | 1136435  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 30837   | 7.83  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.75  | 99  | 263826  | 20.23 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.91  | 67  | 149833  | 20.13 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.10  | 132 | 216334  | 20.44 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.27  | 113 | 211076  | 19.70 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.71  | 128 | 104054  | 20.69 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.42  | 143 | 109581  | 20.50 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.96  | 165 | 222541  | 20.35 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.47 | 131 | 265058  | 20.88 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.62 | 166 | 637578  | 19.58 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.89 | 160 | 796987  | 20.43 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.41 | 143 | 111574  | 17.99 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.20 | 176 | 571551  | 19.99 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.33 | 200 | 98599   | 17.12 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.05 | 188 | 879602  | 19.95 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.34 | 212 | 954040  | 19.22 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.16 | 264 | 1200656 | 20.64 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.17  | 88  | 34972  | 8.247  | ng/uL 91  |
| 4) Benzaldehyde                | 6.72  | 77  | 100789 | 14.593 | ng/ul 99  |
| 6) Phenol                      | 6.77  | 94  | 274335 | 20.146 | ng/ul 96  |
| 8) Bis(2-Chloroethyl)ether     | 7.00  | 93  | 214775 | 19.916 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.13  | 128 | 231509 | 20.780 | ng/ul 96  |
| 11) 2-Methylphenol             | 8.01  | 108 | 205664 | 19.738 | ng/ul 97  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.09  | 45  | 294546 | 20.471 | ng/ul 97  |
| 14) Acetophenone               | 8.38  | 105 | 326070 | 19.729 | ng/ul 98  |
| 15) N-Nitroso-di-n-propylamine | 8.37  | 70  | 162755 | 19.657 | ng/ul 100 |
| 16) 4-Methylphenol             | 8.33  | 108 | 225518 | 19.826 | ng/ul 97  |
| 17) Hexachloroethane           | 8.63  | 117 | 92380  | 19.946 | ng/ul 97  |
| 20) Nitrobenzene               | 8.75  | 77  | 250849 | 20.475 | ng/ul 99  |
| 21) Isophorone                 | 9.27  | 82  | 450277 | 19.902 | ng/ul 98  |
| 23) 2-Nitrophenol              | 9.45  | 139 | 125039 | 20.825 | ng/ul 97  |
| 24) 2,4-Dimethylphenol         | 9.53  | 107 | 237852 | 19.535 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 9.76  | 93  | 286103 | 19.730 | ng/ul 100 |
| 27) 2,4-Dichlorophenol         | 9.99  | 162 | 222300 | 20.494 | ng/ul 100 |
| 28) Naphthalene                | 10.38 | 128 | 749874 | 20.350 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.49 | 127 | 274288 | 21.294 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 10.68 | 225 | 136996 | 19.332 | ng/ul 98  |
| 32) Caprolactam                | 11.25 | 113 | 58235m | 16.235 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.63 | 107 | 230369 | 20.430 | ng/ul 97  |
| 34) 2-Methylnaphthalene        | 12.00 | 142 | 532556 | 20.234 | ng/ul 98  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032620\  
 Data File : BM025833.D  
 Acq On : 27 Mar 2020 12:13  
 Operator : CG/JU  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD02067

Manual Integrations  
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mohammad  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Mar 26 18:34:50 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.22 | 142  | 525374   | 20.017 | ng/ul  | 97       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.38 | 216  | 267724   | 19.754 | ng/ul  | 99       |
| 38) Hexachlorocyclopentadiene  | 12.36 | 237  | 128490   | 13.892 | ng/ul  | 99       |
| 39) 2,4,6-Trichlorophenol      | 12.62 | 196  | 172406   | 20.009 | ng/ul  | 98       |
| 40) 2,4,5-Trichlorophenol      | 12.69 | 196  | 188205   | 20.067 | ng/ul  | 97       |
| 41) 1,1'-Biphenyl              | 13.03 | 154  | 693401   | 20.252 | ng/ul  | 100      |
| 42) 2-Chloronaphthalene        | 13.07 | 162  | 549021   | 20.359 | ng/ul  | 99       |
| 43) 2-Nitroaniline             | 13.27 | 65   | 139971   | 20.768 | ng/ul  | 98       |
| 45) Dimethylphthalate          | 13.67 | 163  | 668845   | 19.730 | ng/ul  | 100      |
| 46) 2,6-Dinitrotoluene         | 13.78 | 165  | 136212   | 20.429 | ng/ul  | 98       |
| 48) Acenaphthylene             | 13.92 | 152  | 860216   | 20.356 | ng/ul  | 99       |
| 49) 3-Nitroaniline             | 14.11 | 138  | 111452   | 18.528 | ng/ul  | 94       |
| 50) Acenaphthene               | 14.27 | 153  | 582295   | 20.270 | ng/ul  | 99       |
| 51) 2,4-Dinitrophenol          | 14.32 | 184  | 58053    | 14.513 | ng/ul  | 97       |
| 53) 4-Nitrophenol              | 14.42 | 109  | 89325    | 18.430 | ng/ul  | 97       |
| 54) Dibenzofuran               | 14.60 | 168  | 827330   | 20.302 | ng/ul  | 97       |
| 55) 2,4-Dinitrotoluene         | 14.57 | 165  | 200909   | 20.610 | ng/ul  | 93       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.84 | 232  | 165614   | 19.482 | ng/ul# | 99       |
| 57) Diethylphthalate           | 15.05 | 149  | 674229   | 19.404 | ng/ul  | 100      |
| 59) Fluorene                   | 15.26 | 166  | 689635   | 20.118 | ng/ul  | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.26 | 204  | 343412   | 19.574 | ng/ul  | 98       |
| 61) 4-Nitroaniline             | 15.27 | 138  | 127643   | 17.833 | ng/ul  | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 15.34 | 198  | 110766   | 17.588 | ng/ul  | 94       |
| 65) N-Nitrosodiphenylamine     | 15.47 | 169  | 575301   | 19.724 | ng/ul  | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.15 | 248  | 226853   | 19.488 | ng/ul  | 98       |
| 67) Hexachlorobenzene          | 16.27 | 284  | 273413   | 19.130 | ng/ul  | 99       |
| 68) Atrazine                   | 16.43 | 200  | 202939   | 18.448 | ng/ul  | 97       |
| 69) Pentachlorophenol          | 16.61 | 266  | 146996   | 17.610 | ng/ul  | 100      |
| 70) Phenanthrene               | 16.99 | 178  | 1115803  | 20.083 | ng/ul  | 99       |
| 72) Anthracene                 | 17.08 | 178  | 1139453  | 20.124 | ng/ul  | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.99 | 216  | 288774   | 19.965 | ng/uL  | 99       |
| 74) Pentachlorobenzene         | 14.53 | 250  | 313150   | 19.450 | ng/uL  | 99       |
| 75) Carbazole                  | 17.35 | 167  | 965932   | 19.520 | ng/ul  | 99       |
| 76) Di-n-butylphthalate        | 17.94 | 149  | 1114273  | 19.286 | ng/ul  | 100      |
| 77) Fluoranthene               | 19.02 | 202  | 1268410  | 19.368 | ng/ul  | 98       |
| 80) Pvrene                     | 19.37 | 202  | 1338166  | 19.280 | ng/ul  | 97       |
| 81) Butylbenzylphthalate       | 20.30 | 149  | 496140   | 18.769 | ng/ul  | 97       |
| 82) 3,3'-Dichlorobenzidine     | 21.07 | 252  | 347894   | 14.815 | ng/ul  | 97       |
| 83) Benzo(a)anthracene         | 21.13 | 228  | 1307994  | 19.197 | ng/ul  | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.09 | 149  | 746474   | 18.205 | ng/ul  | 99       |
| 85) Chrysene                   | 21.19 | 228  | 1273385  | 19.049 | ng/ul  | 99       |
| 87) Di-n-octyl phthalate       | 21.95 | 149  | 1244762  | 18.279 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 22.66 | 252  | 1426485  | 20.118 | ng/ul  | 99       |
| 89) Benzo(k)fluoranthene       | 22.70 | 252  | 1438064  | 20.588 | ng/ul  | 100      |
| 91) Benzo(a)pyrene             | 23.20 | 252  | 1319617  | 20.450 | ng/ul  | 98       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.42 | 276  | 1709849  | 20.064 | ng/ul  | 100      |
| 93) Dibenzo(a,h)anthracene     | 25.43 | 278  | 1450783  | 20.104 | ng/ul  | 99       |
| 94) Benzo(a,h,i)perylene       | 26.06 | 276  | 1418397  | 20.195 | ng/ul  | 98       |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032620\  
Data File : BM025833.D  
Acq On : 27 Mar 2020 12:13  
Operator : CG/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD02067

Manual Integrations  
APPROVED

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3/30/2020 8:31:41 AM

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Quant Title : SVOA CALIBRATION  
QLast Update : Thu Mar 26 18:34:50 2020  
Response via : Initial Calibration

| Internal Standards                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

