

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\  
 Data File : BM029813.D  
 Acq On : 05 May 2021 06:41  
 Operator : CG/JU  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD020023

Manual Integrations  
 APPROVED

mohammad  
 5/5/2021 11:27:18 AM

Quant Time: May 05 09:30:43 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM050421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 04 14:23:48 2021  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.56  | 152  | 124234   | 20.00 | ng/ul | 0.00     |
| 20) Naphthalene-d8        | 10.34 | 136  | 502978   | 20.00 | ng/ul | 0.00     |
| 38) Acenaphthene-d10      | 14.21 | 164  | 300148   | 20.00 | ng/ul | 0.00     |
| 64) Phenanthrene-d10      | 16.96 | 188  | 596596   | 20.00 | ng/ul | 0.00     |
| 79) Chrysene-d12          | 21.15 | 240  | 671196   | 20.00 | ng/ul | 0.00     |
| 88) Perylene-d12          | 23.30 | 264  | 723864   | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.08  | 96  | 26684  | 7.94  | ng/uL | 0.00 |
| 4) Pyridine-d5                 | 3.49  | 84  | 136127 | 17.69 | ng/ul | 0.00 |
| 7) Phenol-d5                   | 6.75  | 99  | 195681 | 18.14 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d  | 6.91  | 67  | 126335 | 18.96 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4          | 7.10  | 132 | 167057 | 19.44 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8          | 8.28  | 113 | 155374 | 18.04 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5            | 8.72  | 128 | 78116  | 20.90 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4           | 9.44  | 143 | 83204  | 20.39 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3      | 9.98  | 165 | 151211 | 19.82 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4         | 10.49 | 131 | 201526 | 18.12 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6       | 13.63 | 166 | 431137 | 19.23 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8          | 13.90 | 160 | 570589 | 19.46 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4           | 14.44 | 143 | 61914  | 17.95 | ng/ul | 0.00 |
| 60) Fluorene-d10               | 15.21 | 176 | 364468 | 19.11 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.35 | 200 | 70912  | 17.71 | ng/ul | 0.00 |
| 73) Anthracene-d10             | 17.06 | 188 | 569396 | 19.30 | ng/ul | 0.00 |
| 81) Pyrene-d10                 | 19.36 | 212 | 653716 | 18.98 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12         | 23.17 | 264 | 778479 | 19.15 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue   |
|--------------------------------|-------|-----|---------|--------|----------|
| 2) 1,4-Dioxane                 | 3.11  | 88  | 27794   | 7.496  | ng/uL 96 |
| 5) Pyridine                    | 3.51  | 79  | 144497  | 17.826 | ng/ul 93 |
| 6) Benzaldehyde                | 6.72  | 77  | 123678m | 21.275 | ng/ul    |
| 8) Phenol                      | 6.78  | 94  | 200996  | 18.311 | ng/ul 98 |
| 10) Bis(2-Chloroethyl)ether    | 7.00  | 93  | 161406  | 18.801 | ng/ul 99 |
| 12) 2-Chlorophenol             | 7.13  | 128 | 172278  | 19.857 | ng/ul 99 |
| 13) 2-Methylphenol             | 8.02  | 108 | 149647  | 18.167 | ng/ul 94 |
| 14) 2,2'-oxybis(1-Chloropropan | 8.10  | 45  | 249497  | 18.639 | ng/ul 99 |
| 16) Acetophenone               | 8.39  | 105 | 246119  | 18.814 | ng/ul 94 |
| 17) N-Nitroso-di-n-propylamine | 8.38  | 70  | 134418  | 19.490 | ng/ul 96 |
| 18) 4-Methylphenol             | 8.35  | 108 | 162022  | 18.482 | ng/ul 99 |
| 19) Hexachloroethane           | 8.63  | 117 | 77151   | 20.048 | ng/ul 96 |
| 22) Nitrobenzene               | 8.76  | 77  | 185176  | 19.708 | ng/ul 99 |
| 23) Isophorone                 | 9.29  | 82  | 347858  | 19.710 | ng/ul 97 |
| 25) 2-Nitrophenol              | 9.47  | 139 | 89157   | 20.104 | ng/ul 97 |
| 26) 2,4-Dimethylphenol         | 9.53  | 107 | 177574  | 19.446 | ng/ul 99 |
| 27) Bis(2-Chloroethoxy)methane | 9.78  | 93  | 203529  | 19.652 | ng/ul 99 |
| 29) 2,4-Dichlorophenol         | 10.00 | 162 | 143706  | 19.566 | ng/ul 97 |
| 30) Naphthalene                | 10.39 | 128 | 538229  | 19.453 | ng/ul 99 |
| 32) 4-Chloroaniline            | 10.51 | 127 | 203398  | 18.013 | ng/ul 98 |
| 33) Hexachlorobutadiene        | 10.68 | 225 | 99000   | 19.561 | ng/ul 97 |
| 34) Caprolactam                | 11.31 | 113 | 44871m  | 18.930 | ng/ul    |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 4-Chloro-3-methylphenol    | 11.65 | 107  | 149300   | 19.542 | ng/ul  | 99       |
| 36) 2-Methylnaphthalene        | 12.01 | 142  | 370688   | 19.650 | ng/ul  | 99       |
| 37) 1-Methylnaphthalene        | 12.23 | 142  | 361997   | 19.243 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.39 | 216  | 184161   | 19.366 | ng/ul  | 96       |
| 40) Hexachlorocyclopentadiene  | 12.36 | 237  | 93241    | 19.750 | ng/ul  | 90       |
| 41) 2,4,6-Trichlorophenol      | 12.64 | 196  | 109785   | 19.524 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol      | 12.72 | 196  | 112236   | 18.550 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl              | 13.04 | 154  | 456109   | 19.186 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene        | 13.08 | 162  | 355539   | 19.474 | ng/ul  | 98       |
| 45) 2-Nitroaniline             | 13.30 | 65   | 96987    | 20.174 | ng/ul  | 99       |
| 47) Dimethylphthalate          | 13.68 | 163  | 433253   | 19.369 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene         | 13.80 | 165  | 88402    | 20.336 | ng/ul  | 96       |
| 50) Acenaphthylene             | 13.93 | 152  | 561722   | 19.655 | ng/ul  | 100      |
| 51) 3-Nitroaniline             | 14.13 | 138  | 86166    | 18.720 | ng/ul  | 97       |
| 52) Acenaphthene               | 14.27 | 153  | 388258   | 19.237 | ng/ul  | 100      |
| 53) 2,4-Dinitrophenol          | 14.35 | 184  | 51577    | 20.671 | ng/ul  | 94       |
| 55) 4-Nitrophenol              | 14.46 | 109  | 47066    | 19.214 | ng/ul  | 90       |
| 56) Dibenzofuran               | 14.62 | 168  | 527456   | 19.503 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene         | 14.60 | 165  | 125355   | 20.428 | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.85 | 232  | 105463   | 19.642 | ng/ul  | 94       |
| 59) Diethylphthalate           | 15.05 | 149  | 440154   | 19.295 | ng/ul  | 99       |
| 61) Fluorene                   | 15.26 | 166  | 440689   | 19.362 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenylether | 15.26 | 204  | 211182   | 19.239 | ng/ul  | 99       |
| 63) 4-Nitroaniline             | 15.30 | 138  | 91155m   | 19.685 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylphenol | 15.36 | 198  | 71122    | 18.281 | ng/ul  | 97       |
| 67) N-Nitrosodiphenylamine     | 15.48 | 169  | 376818   | 19.303 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether  | 16.16 | 248  | 127397   | 19.103 | ng/ul  | 98       |
| 69) Hexachlorobenzene          | 16.27 | 284  | 151913   | 19.419 | ng/ul  | 99       |
| 70) Atrazine                   | 16.44 | 200  | 129215   | 18.523 | ng/ul  | 99       |
| 71) Pentachlorophenol          | 16.62 | 266  | 73398    | 17.051 | ng/ul  | 94       |
| 72) Phenanthrene               | 17.00 | 178  | 682183   | 19.273 | ng/ul  | 100      |
| 74) Anthracene                 | 17.09 | 178  | 704260   | 19.539 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachlorobenzene | 13.00 | 216  | 196982   | 19.208 | ng/ul  | 97       |
| 76) Pentachlorobenzene         | 14.53 | 250  | 177582   | 18.962 | ng/ul  | 97       |
| 77) Carbazole                  | 17.37 | 167  | 615050   | 18.679 | ng/ul  | 99       |
| 78) Di-n-butylphthalate        | 17.93 | 149  | 746812   | 19.615 | ng/ul  | 100      |
| 80) Fluoranthene               | 19.02 | 202  | 791411   | 18.933 | ng/ul  | 99       |
| 82) Pyrene                     | 19.39 | 202  | 839020   | 18.855 | ng/ul  | 99       |
| 83) Butylbenzylphthalate       | 20.29 | 149  | 339959   | 19.277 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine     | 21.07 | 252  | 291577   | 18.606 | ng/ul  | 98       |
| 85) Benzo(a)anthracene         | 21.13 | 228  | 837450   | 19.214 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phthalate | 21.07 | 149  | 528630   | 19.071 | ng/ul# | 98       |
| 87) Chrysene                   | 21.18 | 228  | 835996   | 18.954 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate       | 21.93 | 149  | 914975   | 17.692 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene       | 22.66 | 252  | 882781   | 18.646 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene       | 22.70 | 252  | 922099   | 19.846 | ng/ul  | 99       |
| 93) Benzo(a)pyrene             | 23.22 | 252  | 814509   | 19.209 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene     | 25.47 | 276  | 1095178  | 19.456 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene     | 25.47 | 278  | 909730   | 19.335 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene       | 26.12 | 276  | 909779   | 19.372 | ng/ul  | 98       |

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|-------|--|--|--|--|--|--|
| ----- |  |  |  |  |  |  |
| ----- |  |  |  |  |  |  |

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

