

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050721\  
 Data File : BM029873.D  
 Acq On : 07 May 2021 12:36  
 Operator : CG/JU  
 Sample : SSTD08015  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD080015

Manual Integrations  
 APPROVED

mohammad  
 5/10/2021 11:44:54 AM

Quant Time: May 07 13:12:22 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM050721.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 07 12:05:00 2021  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.56  | 152  | 132295   | 20.00 | ng/ul | 0.00     |
| 20) Naphthalene-d8        | 10.33 | 136  | 607398   | 20.00 | ng/ul | 0.00     |
| 38) Acenaphthene-d10      | 14.21 | 164  | 402054   | 20.00 | ng/ul | 0.00     |
| 64) Phenanthrene-d10      | 16.96 | 188  | 823464   | 20.00 | ng/ul | 0.00     |
| 79) Chrysene-d12          | 21.14 | 240  | 906875   | 20.00 | ng/ul | 0.00     |
| 88) Perylene-d12          | 23.30 | 264  | 861967   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |        |       |       |
|--------------------------------|-------|-----|---------|--------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.06  | 96  | 117512  | 35.37  | ng/uL | 0.00  |
| 4) Pyridine-d5                 | 3.47  | 84  | 811750  | 96.42  | ng/ul | -0.01 |
| 7) Phenol-d5                   | 6.75  | 99  | 1149748 | 94.22  | ng/ul | 0.00  |
| 9) Bis-(2-Chloroethyl)ether-d  | 6.90  | 67  | 689234  | 94.35  | ng/ul | 0.00  |
| 11) 2-Chlorophenol-d4          | 7.10  | 132 | 918942  | 96.96  | ng/ul | 0.00  |
| 15) 4-Methylphenol-d8          | 8.29  | 113 | 938909  | 93.12  | ng/ul | 0.01  |
| 21) Nitrobenzene-d5            | 8.72  | 128 | 438646  | 114.75 | ng/ul | 0.00  |
| 24) 2-Nitrophenol-d4           | 9.43  | 143 | 503768  | 116.33 | ng/ul | 0.00  |
| 28) 2,4-Dichlorophenol-d3      | 9.97  | 165 | 959810  | 98.97  | ng/ul | 0.00  |
| 31) 4-Chloroaniline-d4         | 10.49 | 131 | 1324118 | 93.28  | ng/ul | 0.00  |
| 46) Dimethylphthalate-d6       | 13.63 | 166 | 2830668 | 93.58  | ng/ul | 0.00  |
| 49) Acenaphthylene-d8          | 13.90 | 160 | 3677520 | 93.68  | ng/ul | 0.00  |
| 54) 4-Nitrophenol-d4           | 14.45 | 143 | 504432  | 108.07 | ng/ul | 0.01  |
| 60) Fluorene-d10               | 15.21 | 176 | 2396518 | 92.83  | ng/ul | 0.00  |
| 65) 4,6-Dinitro-2-methylphenol | 15.35 | 200 | 523438  | 104.48 | ng/ul | 0.01  |
| 73) Anthracene-d10             | 17.06 | 188 | 3778062 | 91.00  | ng/ul | 0.00  |
| 81) Pyrene-d10                 | 19.35 | 212 | 4297606 | 82.06  | ng/ul | 0.00  |
| 92) Benzo(a)pyrene-d12         | 23.17 | 264 | 4555847 | 92.95  | ng/ul | 0.02  |

## Target Compounds

|                                |       |     |         |         | Ovalue    |
|--------------------------------|-------|-----|---------|---------|-----------|
| 2) 1,4-Dioxane                 | 3.09  | 88  | 127158  | 35.790  | ng/uL 98  |
| 5) Pyridine                    | 3.49  | 79  | 835612  | 97.325  | ng/ul 89  |
| 6) Benzaldehyde                | 6.71  | 77  | 612614  | 96.641  | ng/ul 99  |
| 8) Phenol                      | 6.78  | 94  | 1162969 | 93.591  | ng/ul 99  |
| 10) Bis(2-Chloroethyl)ether    | 7.00  | 93  | 895177  | 91.644  | ng/ul 98  |
| 12) 2-Chlorophenol             | 7.13  | 128 | 935430  | 96.881  | ng/ul 99  |
| 13) 2-Methylphenol             | 8.01  | 108 | 876494  | 92.300  | ng/ul 98  |
| 14) 2,2'-oxybis(1-Chloropropan | 8.09  | 45  | 1327231 | 95.280  | ng/ul 99  |
| 16) Acetophenone               | 8.39  | 105 | 1507796 | 94.161  | ng/ul 97  |
| 17) N-Nitroso-di-n-propylamine | 8.39  | 70  | 809600  | 103.945 | ng/ul 99  |
| 18) 4-Methylphenol             | 8.35  | 108 | 974335  | 93.519  | ng/ul 97  |
| 19) Hexachloroethane           | 8.62  | 117 | 383879  | 96.543  | ng/ul 99  |
| 22) Nitrobenzene               | 8.76  | 77  | 1095595 | 107.362 | ng/ul 99  |
| 23) Isophorone                 | 9.29  | 82  | 2178022 | 96.669  | ng/ul 100 |
| 25) 2-Nitrophenol              | 9.46  | 139 | 540830  | 110.534 | ng/ul 96  |
| 26) 2,4-Dimethylphenol         | 9.53  | 107 | 1098964 | 97.470  | ng/ul 99  |
| 27) Bis(2-Chloroethoxy)methane | 9.77  | 93  | 1269579 | 95.627  | ng/ul 100 |
| 29) 2,4-Dichlorophenol         | 9.99  | 162 | 913254  | 99.094  | ng/ul 99  |
| 30) Naphthalene                | 10.39 | 128 | 3047129 | 90.733  | ng/ul 99  |
| 32) 4-Chloroaniline            | 10.50 | 127 | 1364574 | 93.327  | ng/ul 99  |
| 33) Hexachlorobutadiene        | 10.67 | 225 | 567007  | 90.131  | ng/ul 97  |
| 34) Caprolactam                | 11.32 | 113 | 306177m | 97.103  | ng/ul     |

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| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 35) 4-Chloro-3-methylphenol    | 11.65 | 107  | 1011258  | 100.228 | ng/ul  | 100      |
| 36) 2-Methylnaphthalene        | 12.00 | 142  | 2264072  | 93.557  | ng/ul  | 99       |
| 37) 1-Methylnaphthalene        | 12.23 | 142  | 2212944  | 92.167  | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.38 | 216  | 1159834  | 91.954  | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene  | 12.36 | 237  | 653972   | 105.029 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol      | 12.63 | 196  | 749585   | 97.268  | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol      | 12.71 | 196  | 804648   | 98.677  | ng/ul  | 99       |
| 43) 1,1'-Biphenyl              | 13.04 | 154  | 2868136  | 91.975  | ng/ul  | 98       |
| 44) 2-Chloronaphthalene        | 13.07 | 162  | 2213279  | 92.248  | ng/ul  | 99       |
| 45) 2-Nitroaniline             | 13.30 | 65   | 693098   | 135.902 | ng/ul  | 96       |
| 47) Dimethylphthalate          | 13.68 | 163  | 2814168  | 92.417  | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene         | 13.80 | 165  | 602095   | 126.723 | ng/ul  | 92       |
| 50) Acenaphthylene             | 13.93 | 152  | 3522354  | 92.533  | ng/ul  | 99       |
| 51) 3-Nitroaniline             | 14.13 | 138  | 621816   | 106.663 | ng/ul  | 97       |
| 52) Acenaphthene               | 14.27 | 153  | 2439685  | 91.136  | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol          | 14.35 | 184  | 346159   | 103.198 | ng/ul  | 98       |
| 55) 4-Nitrophenol              | 14.46 | 109  | 387174   | 110.373 | ng/ul  | 95       |
| 56) Dibenzofuran               | 14.61 | 168  | 3351725  | 91.665  | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene         | 14.60 | 165  | 869922   | 119.081 | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.85 | 232  | 742383   | 99.198  | ng/ul  | 97       |
| 59) Diethylphthalate           | 15.05 | 149  | 2969639  | 96.917  | ng/ul  | 99       |
| 61) Fluorene                   | 15.26 | 166  | 2914185  | 94.575  | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenylether | 15.26 | 204  | 1426673  | 93.469  | ng/ul  | 98       |
| 63) 4-Nitroaniline             | 15.31 | 138  | 624279m  | 111.257 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylphenol | 15.36 | 198  | 513827   | 102.704 | ng/ul# | 97       |
| 67) N-Nitrosodiphenylamine     | 15.48 | 169  | 2508704  | 92.395  | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether  | 16.15 | 248  | 873669   | 92.476  | ng/ul  | 97       |
| 69) Hexachlorobenzene          | 16.26 | 284  | 1005343  | 90.852  | ng/ul  | 98       |
| 70) Atrazine                   | 16.45 | 200  | 908520   | 95.526  | ng/ul  | 100      |
| 71) Pentachlorophenol          | 16.62 | 266  | 598773   | 96.341  | ng/ul  | 99       |
| 72) Phenanthrene               | 17.00 | 178  | 4417070  | 91.198  | ng/ul  | 99       |
| 74) Anthracene                 | 17.09 | 178  | 4629431  | 93.630  | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachlorobenzene | 13.00 | 216  | 1210483  | 87.230  | ng/uL  | 99       |
| 76) Pentachlorobenzene         | 14.53 | 250  | 1156628  | 89.139  | ng/uL  | 99       |
| 77) Carbazole                  | 17.36 | 167  | 4134639  | 93.299  | ng/ul  | 99       |
| 78) Di-n-butylphthalate        | 17.93 | 149  | 5232939  | 104.454 | ng/ul  | 100      |
| 80) Fluoranthene               | 19.02 | 202  | 5185454  | 80.867  | ng/ul  | 97       |
| 82) Pyrene                     | 19.39 | 202  | 5389555  | 80.179  | ng/ul  | 99       |
| 83) Butylbenzylphthalate       | 20.29 | 149  | 2286909  | 118.597 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine     | 21.07 | 252  | 2011924  | 107.630 | ng/ul  | 99       |
| 85) Benzo(a)anthracene         | 21.13 | 228  | 5306756  | 89.697  | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phthalate | 21.07 | 149  | 3746222  | 118.287 | ng/ul  | 97       |
| 87) Chrysene                   | 21.18 | 228  | 5238778  | 88.210  | ng/ul  | 98       |
| 89) Di-n-octyl phthalate       | 21.93 | 149  | 6258822  | 102.198 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene       | 22.66 | 252  | 5232284  | 90.928  | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene       | 22.71 | 252  | 5475988  | 91.304  | ng/ul  | 99       |
| 93) Benzo(a)pyrene             | 23.22 | 252  | 4699083  | 91.874  | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene     | 25.47 | 276  | 5341946  | 90.519  | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene     | 25.48 | 278  | 4572495  | 92.670  | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene       | 26.13 | 276  | 4191469  | 86.441  | ng/ul  | 99       |

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

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

