

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051721\  
 Data File : BM030055.D  
 Acq On : 17 May 2021 14:18  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD020041

Manual Integrations  
 APPROVED

mohammad  
 5/19/2021 11:37:48 AM

Quant Time: May 18 08:45:59 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM050721.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat May 15 09:59:28 2021  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.52  | 152  | 106462   | 20.00 | ng/ul | 0.00     |
| 20) Naphthalene-d8        | 10.30 | 136  | 445524   | 20.00 | ng/ul | 0.00     |
| 38) Acenaphthene-d10      | 14.17 | 164  | 283013   | 20.00 | ng/ul | 0.00     |
| 64) Phenanthrene-d10      | 16.92 | 188  | 559929   | 20.00 | ng/ul | 0.00     |
| 79) Chrysene-d12          | 21.12 | 240  | 577051   | 20.00 | ng/ul | 0.00     |
| 88) Perylene-d12          | 23.26 | 264  | 603516   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.05  | 96  | 21499  | 8.06  | ng/uL | 0.00 |
| 4) Pyridine-d5                 | 3.47  | 84  | 107052 | 16.04 | ng/ul | 0.00 |
| 7) Phenol-d5                   | 6.72  | 99  | 165226 | 16.69 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d  | 6.87  | 67  | 108825 | 17.73 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4          | 7.06  | 132 | 139555 | 18.26 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8          | 8.25  | 113 | 130397 | 15.92 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5            | 8.68  | 128 | 60155  | 19.59 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4           | 9.40  | 143 | 67381  | 19.44 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3      | 9.93  | 165 | 130038 | 18.71 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4         | 10.45 | 131 | 171992 | 16.26 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6       | 13.60 | 166 | 386004 | 17.60 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8          | 13.86 | 160 | 501906 | 18.05 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4           | 14.42 | 143 | 45183  | 12.65 | ng/ul | 0.00 |
| 60) Fluorene-d10               | 15.17 | 176 | 330821 | 17.76 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.32 | 200 | 62145  | 17.09 | ng/ul | 0.00 |
| 73) Anthracene-d10             | 17.02 | 188 | 508034 | 18.02 | ng/ul | 0.00 |
| 81) Pyrene-d10                 | 19.32 | 212 | 568389 | 19.20 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12         | 23.13 | 264 | 630893 | 18.44 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         | Ovalue |           |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.08  | 88  | 21861   | 7.578  | ng/uL 95  |
| 5) Pyridine                    | 3.49  | 79  | 114534  | 16.730 | ng/ul# 82 |
| 6) Benzaldehyde                | 6.69  | 77  | 101665m | 19.893 | ng/ul     |
| 8) Phenol                      | 6.74  | 94  | 169445  | 16.763 | ng/ul 94  |
| 10) Bis(2-Chloroethyl)ether    | 6.96  | 93  | 132561  | 16.586 | ng/ul 95  |
| 12) 2-Chlorophenol             | 7.09  | 128 | 141492  | 18.157 | ng/ul 97  |
| 13) 2-Methylphenol             | 7.98  | 108 | 126744  | 16.549 | ng/ul 98  |
| 14) 2,2'-oxybis(1-Chloropropan | 8.06  | 45  | 242719  | 20.161 | ng/ul 95  |
| 16) Acetophenone               | 8.35  | 105 | 211472  | 16.094 | ng/ul# 90 |
| 17) N-Nitroso-di-n-propylamine | 8.33  | 70  | 119879  | 17.832 | ng/ul 91  |
| 18) 4-Methylphenol             | 8.30  | 108 | 136808  | 16.114 | ng/ul 97  |
| 19) Hexachloroethane           | 8.58  | 117 | 63873   | 19.400 | ng/ul 95  |
| 22) Nitrobenzene               | 8.72  | 77  | 168413  | 21.051 | ng/ul 95  |
| 23) Isophorone                 | 9.25  | 82  | 307055  | 18.146 | ng/ul 98  |
| 25) 2-Nitrophenol              | 9.43  | 139 | 73418   | 19.515 | ng/ul 97  |
| 26) 2,4-Dimethylphenol         | 9.49  | 107 | 161467  | 19.020 | ng/ul 95  |
| 27) Bis(2-Chloroethoxy)methane | 9.73  | 93  | 181215  | 18.284 | ng/ul 99  |
| 29) 2,4-Dichlorophenol         | 9.96  | 162 | 122455  | 17.945 | ng/ul 97  |
| 30) Naphthalene                | 10.35 | 128 | 456741  | 18.470 | ng/ul 99  |
| 32) 4-Chloroaniline            | 10.47 | 127 | 178176  | 16.356 | ng/ul 99  |
| 33) Hexachlorobutadiene        | 10.63 | 225 | 88201   | 19.278 | ng/ul 96  |
| 34) Caprolactam                | 11.27 | 113 | 33254   | 13.731 | ng/ul 83  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 4-Chloro-3-methylphenol    | 11.61 | 107  | 134400   | 17.797 | ng/ul  | 97       |
| 36) 2-Methylnaphthalene        | 11.97 | 142  | 319532   | 17.812 | ng/ul  | 100      |
| 37) 1-Methylnaphthalene        | 12.19 | 142  | 314731   | 17.704 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.35 | 216  | 162855   | 18.622 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene  | 12.32 | 237  | 66303    | 14.595 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol      | 12.60 | 196  | 95739    | 17.952 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol      | 12.68 | 196  | 99312    | 17.595 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl              | 13.00 | 154  | 394683   | 17.940 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene        | 13.04 | 162  | 310239   | 18.375 | ng/ul  | 98       |
| 45) 2-Nitroaniline             | 13.27 | 65   | 88870    | 20.825 | ng/ul  | 93       |
| 47) Dimethylphthalate          | 13.65 | 163  | 388585   | 17.690 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene         | 13.77 | 165  | 72948    | 18.500 | ng/ul  | 99       |
| 50) Acenaphthylene             | 13.89 | 152  | 487158   | 18.119 | ng/ul  | 100      |
| 51) 3-Nitroaniline             | 14.10 | 138  | 68715    | 15.512 | ng/ul  | 98       |
| 52) Acenaphthene               | 14.24 | 153  | 342496   | 18.025 | ng/ul  | 100      |
| 53) 2,4-Dinitrophenol          | 14.33 | 184  | 41138    | 15.334 | ng/ul  | 91       |
| 55) 4-Nitrophenol              | 14.43 | 109  | 38256    | 13.926 | ng/ul  | 92       |
| 56) Dibenzofuran               | 14.57 | 168  | 470191   | 18.067 | ng/ul  | 95       |
| 57) 2,4-Dinitrotoluene         | 14.56 | 165  | 107360   | 18.399 | ng/ul# | 79       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.82 | 232  | 92529    | 17.216 | ng/ul# | 99       |
| 59) Diethylphthalate           | 15.02 | 149  | 405381   | 17.695 | ng/ul  | 99       |
| 61) Fluorene                   | 15.23 | 166  | 390588   | 17.555 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenylether | 15.23 | 204  | 193657   | 17.714 | ng/ul  | 96       |
| 63) 4-Nitroaniline             | 15.27 | 138  | 69404m   | 15.806 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylphenol | 15.33 | 198  | 59802    | 16.707 | ng/ul# | 88       |
| 67) N-Nitrosodiphenylamine     | 15.44 | 169  | 334644   | 18.398 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether  | 16.12 | 248  | 113559   | 18.220 | ng/ul  | 96       |
| 69) Hexachlorobenzene          | 16.23 | 284  | 133463   | 18.033 | ng/ul  | 97       |
| 70) Atrazine                   | 16.40 | 200  | 114083   | 17.000 | ng/ul  | 99       |
| 71) Pentachlorophenol          | 16.59 | 266  | 63814    | 15.047 | ng/ul  | 97       |
| 72) Phenanthrene               | 16.96 | 178  | 601620   | 18.222 | ng/ul  | 100      |
| 74) Anthracene                 | 17.06 | 178  | 616633   | 18.269 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachlorobenzene | 12.96 | 216  | 171616   | 19.376 | ng/uL  | 100      |
| 76) Pentachlorobenzene         | 14.50 | 250  | 156894   | 18.575 | ng/uL  | 99       |
| 77) Carbazole                  | 17.34 | 167  | 521808   | 16.872 | ng/ul  | 99       |
| 78) Di-n-butylphthalate        | 17.90 | 149  | 679193   | 18.503 | ng/ul  | 99       |
| 80) Fluoranthene               | 18.99 | 202  | 684766   | 19.007 | ng/ul  | 98       |
| 82) Pyrene                     | 19.35 | 202  | 732609   | 19.323 | ng/ul  | 99       |
| 83) Butylbenzylphthalate       | 20.26 | 149  | 290204   | 21.538 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine     | 21.04 | 252  | 244497   | 18.624 | ng/ul  | 99       |
| 85) Benzo(a)anthracene         | 21.10 | 228  | 708808   | 18.827 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phthalate | 21.04 | 149  | 451345   | 19.428 | ng/ul  | 100      |
| 87) Chrysene                   | 21.15 | 228  | 707280   | 18.862 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate       | 21.90 | 149  | 769536   | 16.663 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene       | 22.63 | 252  | 734364   | 18.759 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene       | 22.67 | 252  | 753235   | 18.302 | ng/ul  | 99       |
| 93) Benzo(a)pyrene             | 23.17 | 252  | 662049   | 18.621 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene     | 25.40 | 276  | 867978   | 20.170 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene     | 25.41 | 278  | 731541   | 20.055 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene       | 26.06 | 276  | 717497   | 20.579 | ng/ul  | 99       |

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

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

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