

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120320\  
 Data File : BM028015.D  
 Acq On : 03 Dec 2020 12:40  
 Operator : JU/CG  
 Sample : SST02005  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST020005

Manual Integrations  
 APPROVED

mohammad  
 12/7/2020 8:50:41 AM

Quant Time: Dec 03 13:54:22 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM120320.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 03 13:12:22 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.29  | 152  | 197450   | 20.00 | ng/ul | 0.00     |
| 20) Naphthalene-d8        | 11.13 | 136  | 793807   | 20.00 | ng/ul | 0.00     |
| 38) Acenaphthene-d10      | 14.91 | 164  | 434218   | 20.00 | ng/ul | 0.00     |
| 64) Phenanthrene-d10      | 17.63 | 188  | 845177   | 20.00 | ng/ul | 0.00     |
| 79) Chrysene-d12          | 21.73 | 240  | 797743   | 20.00 | ng/ul | 0.00     |
| 88) Perylene-d12          | 24.14 | 264  | 815365   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.47  | 96  | 42961  | 7.67  | ng/uL | 0.00 |
| 4) Pyridine-d5                 | 3.93  | 84  | 286795 | 17.14 | ng/ul | 0.00 |
| 7) Phenol-d5                   | 7.42  | 99  | 332358 | 18.61 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d  | 7.60  | 67  | 208973 | 16.96 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4          | 7.81  | 132 | 281985 | 21.68 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8          | 8.99  | 113 | 262715 | 19.31 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5            | 9.47  | 128 | 125071 | 15.36 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4           | 10.20 | 143 | 125978 | 17.28 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3      | 10.73 | 165 | 254066 | 17.52 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4         | 11.25 | 131 | 351154 | 20.52 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6       | 14.31 | 166 | 660716 | 19.46 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8          | 14.61 | 160 | 849439 | 20.12 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4           | 15.07 | 143 | 121706 | 19.83 | ng/ul | 0.00 |
| 60) Fluorene-d10               | 15.89 | 176 | 583279 | 19.32 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 16.00 | 200 | 89208  | 15.95 | ng/ul | 0.00 |
| 73) Anthracene-d10             | 17.73 | 188 | 849836 | 20.93 | ng/ul | 0.00 |
| 81) Pyrene-d10                 | 19.98 | 212 | 870739 | 18.38 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12         | 23.99 | 264 | 886609 | 20.13 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.51  | 88  | 44145   | 7.258  | ng/uL 100 |
| 5) Pyridine                    | 3.96  | 79  | 289660  | 17.451 | ng/ul 100 |
| 6) Benzaldehyde                | 7.41  | 77  | 152806m | 17.830 | ng/ul 100 |
| 8) Phenol                      | 7.45  | 94  | 342399  | 18.658 | ng/ul 100 |
| 10) Bis(2-Chloroethyl)ether    | 7.70  | 93  | 282723  | 18.617 | ng/ul 100 |
| 12) 2-Chlorophenol             | 7.85  | 128 | 291984  | 21.830 | ng/ul 100 |
| 13) 2-Methylphenol             | 8.73  | 108 | 253284  | 19.023 | ng/ul 100 |
| 14) 2,2'-oxybis(1-Chloropropan | 8.82  | 45  | 462197  | 17.504 | ng/ul 100 |
| 16) Acetophenone               | 9.13  | 105 | 400159  | 17.726 | ng/ul 100 |
| 17) N-Nitroso-di-n-propylamine | 9.10  | 70  | 194478  | 15.905 | ng/ul 100 |
| 18) 4-Methylphenol             | 9.06  | 108 | 270980  | 19.191 | ng/ul 100 |
| 19) Hexachloroethane           | 9.40  | 117 | 121247  | 17.498 | ng/ul 100 |
| 22) Nitrobenzene               | 9.51  | 77  | 310846  | 11.718 | ng/ul 100 |
| 23) Isophorone                 | 10.04 | 82  | 527094  | 14.918 | ng/ul 100 |
| 25) 2-Nitrophenol              | 10.23 | 139 | 144471  | 18.413 | ng/ul 100 |
| 26) 2,4-Dimethylphenol         | 10.27 | 107 | 293387  | 15.749 | ng/ul 100 |
| 27) Bis(2-Chloroethoxy)methane | 10.52 | 93  | 357995  | 16.268 | ng/ul 100 |
| 29) 2,4-Dichlorophenol         | 10.76 | 162 | 247828  | 17.524 | ng/ul 100 |
| 30) Naphthalene                | 11.18 | 128 | 900588  | 20.711 | ng/ul 100 |
| 32) 4-Chloroaniline            | 11.27 | 127 | 338146  | 19.962 | ng/ul 100 |
| 33) Hexachlorobutadiene        | 11.46 | 225 | 160620  | 14.847 | ng/ul 100 |
| 34) Caprolactam                | 12.04 | 113 | 67080   | 16.125 | ng/ul 100 |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 4-Chloro-3-methylphenol    | 12.37 | 107  | 249946   | 14.872 | ng/ul | 100      |
| 36) 2-Methylnaphthalene        | 12.76 | 142  | 600478   | 15.715 | ng/ul | 100      |
| 37) 1-Methylnaphthalene        | 12.98 | 142  | 575413   | 15.663 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.13 | 216  | 295299   | 19.025 | ng/ul | 100      |
| 40) Hexachlorocyclopentadiene  | 13.10 | 237  | 161212   | 16.711 | ng/ul | 100      |
| 41) 2,4,6-Trichlorophenol      | 13.36 | 196  | 179829   | 19.031 | ng/ul | 100      |
| 42) 2,4,5-Trichlorophenol      | 13.42 | 196  | 193839   | 19.012 | ng/ul | 100      |
| 43) 1,1'-Biphenyl              | 13.76 | 154  | 750364   | 20.803 | ng/ul | 100      |
| 44) 2-Chloronaphthalene        | 13.80 | 162  | 589418   | 20.076 | ng/ul | 100      |
| 45) 2-Nitroaniline             | 13.99 | 65   | 151351   | 14.500 | ng/ul | 100      |
| 47) Dimethylphthalate          | 14.36 | 163  | 681822   | 19.394 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene         | 14.47 | 165  | 132102   | 19.280 | ng/ul | 100      |
| 50) Acenaphthylene             | 14.64 | 152  | 871816   | 20.939 | ng/ul | 100      |
| 51) 3-Nitroaniline             | 14.80 | 138  | 127447   | 20.218 | ng/ul | 100      |
| 52) Acenaphthene               | 14.97 | 153  | 619088   | 20.800 | ng/ul | 100      |
| 53) 2,4-Dinitrophenol          | 15.00 | 184  | 63472    | 15.510 | ng/ul | 100      |
| 55) 4-Nitrophenol              | 15.09 | 109  | 91775    | 13.170 | ng/ul | 100      |
| 56) Dibenzofuran               | 15.30 | 168  | 834671   | 20.084 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene         | 15.26 | 165  | 188001   | 19.662 | ng/ul | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.52 | 232  | 156261   | 18.859 | ng/ul | 100      |
| 59) Diethylphthalate           | 15.70 | 149  | 677606   | 18.775 | ng/ul | 100      |
| 61) Fluorene                   | 15.94 | 166  | 686849   | 20.079 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenylether | 15.93 | 204  | 337357   | 19.097 | ng/ul | 100      |
| 63) 4-Nitroaniline             | 15.95 | 138  | 105903   | 18.562 | ng/ul | 100      |
| 66) 4,6-Dinitro-2-methylphenol | 16.01 | 198  | 102722   | 17.204 | ng/ul | 100      |
| 67) N-Nitrosodiphenylamine     | 16.14 | 169  | 569818   | 20.129 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether  | 16.82 | 248  | 199636   | 19.535 | ng/ul | 100      |
| 69) Hexachlorobenzene          | 16.94 | 284  | 225911   | 19.648 | ng/ul | 100      |
| 70) Atrazine                   | 17.07 | 200  | 188114   | 17.616 | ng/ul | 100      |
| 71) Pentachlorophenol          | 17.27 | 266  | 119504   | 17.669 | ng/ul | 100      |
| 72) Phenanthrene               | 17.67 | 178  | 1045635  | 21.346 | ng/ul | 100      |
| 74) Anthracene                 | 17.76 | 178  | 1061590  | 21.267 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachlorobenzene | 13.72 | 216  | 287701   | 18.779 | ng/uL | 100      |
| 76) Pentachlorobenzene         | 15.23 | 250  | 277021   | 19.317 | ng/uL | 100      |
| 77) Carbazole                  | 18.02 | 167  | 900388   | 21.345 | ng/ul | 100      |
| 78) Di-n-butylphthalate        | 18.56 | 149  | 1072114  | 20.707 | ng/ul | 100      |
| 80) Fluoranthene               | 19.65 | 202  | 1141156  | 18.913 | ng/ul | 100      |
| 82) Pyrene                     | 20.01 | 202  | 1179928  | 19.090 | ng/ul | 100      |
| 83) Butylbenzylphthalate       | 20.86 | 149  | 443634   | 17.525 | ng/ul | 100      |
| 84) 3,3'-Dichlorobenzidine     | 21.64 | 252  | 362224   | 19.969 | ng/ul | 100      |
| 85) Benzo(a)anthracene         | 21.72 | 228  | 1078864  | 19.454 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phthalate | 21.62 | 149  | 664280   | 18.470 | ng/ul | 100      |
| 87) Chrysene                   | 21.77 | 228  | 1064881  | 19.744 | ng/ul | 100      |
| 89) Di-n-octyl phthalate       | 22.54 | 149  | 1140149  | 18.464 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene       | 23.41 | 252  | 1102102  | 19.322 | ng/ul | 100      |
| 91) Benzo(k)fluoranthene       | 23.46 | 252  | 1057407  | 19.321 | ng/ul | 100      |
| 93) Benzo(a)pyrene             | 24.04 | 252  | 990635   | 19.370 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene     | 26.62 | 276  | 1199510  | 20.783 | ng/ul | 100      |
| 95) Dibenzo(a,h)anthracene     | 26.63 | 278  | 1016129  | 20.875 | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene       | 27.39 | 276  | 1006495  | 20.687 | ng/ul | 100      |

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

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

