

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100920\  
 Data File : BN012120.D  
 Acq On : 09 Oct 2020 12:09  
 Operator : CG/JU  
 Sample : SSTD02055  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02055

Manual Integrations  
 APPROVED

mohammad  
 10/12/2020 11:35:13 AM

Quant Time: Oct 09 12:48:33 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN100920.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 09 12:44:31 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.63  | 152  | 219782   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.41 | 136  | 887009   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.27 | 164  | 534202   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.03 | 188  | 1173200  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.23 | 240  | 1218419  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.43 | 264  | 1324814  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.17  | 96  | 41973   | 8.31  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.81  | 99  | 391457  | 21.34 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.98  | 67  | 243953  | 21.65 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.17  | 132 | 323661  | 21.82 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.34  | 113 | 315514  | 21.85 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.78  | 128 | 152002  | 21.58 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.50  | 143 | 171176  | 22.47 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.03 | 165 | 312750  | 21.41 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.55 | 131 | 327767  | 19.03 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.69 | 166 | 912722  | 21.78 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.97 | 160 | 1078498 | 21.56 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.48 | 143 | 161056  | 20.87 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.27 | 176 | 772790  | 21.13 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 150539  | 20.10 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.12 | 188 | 1197406 | 21.05 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.43 | 212 | 1343884 | 20.97 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.29 | 264 | 1509972 | 20.31 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.20  | 88  | 50251   | 7.924  | ng/uL 100 |
| 4) Benzaldehyde                | 6.79  | 77  | 121619  | 11.518 | ng/ul 100 |
| 6) Phenol                      | 6.84  | 94  | 417185  | 21.865 | ng/ul 100 |
| 8) Bis(2-Chloroethyl)ether     | 7.07  | 93  | 333460  | 21.511 | ng/ul 100 |
| 10) 2-Chlorophenol             | 7.20  | 128 | 340113  | 22.169 | ng/ul 100 |
| 11) 2-Methylphenol             | 8.08  | 108 | 308026  | 21.734 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.16  | 45  | 442426  | 22.130 | ng/ul 100 |
| 14) Acetophenone               | 8.45  | 105 | 502457  | 21.834 | ng/ul 100 |
| 15) N-Nitroso-di-n-propylamine | 8.44  | 70  | 259279  | 22.452 | ng/ul 100 |
| 16) 4-Methylphenol             | 8.40  | 108 | 335002  | 22.044 | ng/ul 100 |
| 17) Hexachloroethane           | 8.70  | 117 | 148343  | 21.252 | ng/ul 100 |
| 20) Nitrobenzene               | 8.83  | 77  | 396302  | 20.357 | ng/ul 100 |
| 21) Isophorone                 | 9.35  | 82  | 703498  | 21.559 | ng/ul 100 |
| 23) 2-Nitrophenol              | 9.53  | 139 | 187399  | 22.242 | ng/ul 100 |
| 24) 2,4-Dimethylphenol         | 9.59  | 107 | 371359  | 20.312 | ng/ul 100 |
| 25) Bis(2-Chloroethoxy)methane | 9.83  | 93  | 436122  | 21.298 | ng/ul 100 |
| 27) 2,4-Dichlorophenol         | 10.06 | 162 | 312623  | 21.133 | ng/ul 100 |
| 28) Naphthalene                | 10.46 | 128 | 1077543 | 21.225 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.57 | 127 | 330375  | 19.048 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 10.75 | 225 | 209912  | 20.958 | ng/ul 100 |
| 32) Caprolactam                | 11.35 | 113 | 89000m  | 21.819 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.70 | 107 | 341639  | 21.252 | ng/ul 100 |
| 34) 2-Methylnaphthalene        | 12.07 | 142 | 737578  | 21.140 | ng/ul 100 |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.30 | 142  | 711068   | 20.624 | ng/uL | 100      |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.45 | 216  | 366411   | 21.173 | ng/uL | 100      |
| 38) Hexachlorocyclopentadiene  | 12.43 | 237  | 241898   | 19.769 | ng/uL | 100      |
| 39) 2,4,6-Trichlorophenol      | 12.70 | 196  | 234491   | 21.612 | ng/uL | 100      |
| 40) 2,4,5-Trichlorophenol      | 12.76 | 196  | 251424   | 21.481 | ng/uL | 100      |
| 41) 1,1'-Biphenyl              | 13.10 | 154  | 941161   | 21.269 | ng/uL | 100      |
| 42) 2-Chloronaphthalene        | 13.14 | 162  | 738223   | 20.948 | ng/uL | 100      |
| 43) 2-Nitroaniline             | 13.35 | 65   | 217196   | 21.507 | ng/uL | 100      |
| 45) Dimethylphthalate          | 13.74 | 163  | 924540   | 21.412 | ng/uL | 100      |
| 46) 2,6-Dinitrotoluene         | 13.86 | 165  | 187770   | 22.279 | ng/uL | 100      |
| 48) Acenaphthylene             | 14.00 | 152  | 1143930  | 21.766 | ng/uL | 100      |
| 49) 3-Nitroaniline             | 14.19 | 138  | 144087   | 18.736 | ng/uL | 100      |
| 50) Acenaphthene               | 14.34 | 153  | 790965   | 20.940 | ng/uL | 100      |
| 51) 2,4-Dinitrophenol          | 14.39 | 184  | 105887   | 20.607 | ng/uL | 100      |
| 53) 4-Nitrophenol              | 14.49 | 109  | 148086   | 20.597 | ng/uL | 100      |
| 54) Dibenzofuran               | 14.67 | 168  | 1079882  | 20.955 | ng/uL | 100      |
| 55) 2,4-Dinitrotoluene         | 14.65 | 165  | 271780   | 22.214 | ng/uL | 100      |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.90 | 232  | 219207   | 22.438 | ng/uL | 100      |
| 57) Diethylphthalate           | 15.11 | 149  | 966846   | 21.757 | ng/uL | 100      |
| 59) Fluorene                   | 15.33 | 166  | 915894   | 21.201 | ng/uL | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.33 | 204  | 434999   | 20.630 | ng/uL | 100      |
| 61) 4-Nitroaniline             | 15.35 | 138  | 162735   | 19.584 | ng/uL | 100      |
| 64) 4,6-Dinitro-2-methylphenol | 15.41 | 198  | 173196   | 21.267 | ng/uL | 100      |
| 65) N-Nitrosodiphenylamine     | 15.54 | 169  | 784676   | 20.971 | ng/uL | 100      |
| 66) 4-Bromophenyl-phenylether  | 16.22 | 248  | 270039   | 20.125 | ng/uL | 100      |
| 67) Hexachlorobenzene          | 16.33 | 284  | 321566   | 20.539 | ng/uL | 100      |
| 68) Atrazine                   | 16.50 | 200  | 287813   | 21.023 | ng/uL | 100      |
| 69) Pentachlorophenol          | 16.67 | 266  | 184694   | 19.897 | ng/uL | 100      |
| 70) Phenanthrene               | 17.07 | 178  | 1492252  | 20.878 | ng/uL | 100      |
| 72) Anthracene                 | 17.16 | 178  | 1537677  | 21.306 | ng/uL | 100      |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.06 | 216  | 350963   | 20.579 | ng/uL | 100      |
| 74) Pentachlorobenzene         | 14.60 | 250  | 362222   | 20.706 | ng/uL | 100      |
| 75) Carbazole                  | 17.43 | 167  | 1318575  | 21.042 | ng/uL | 100      |
| 76) Di-n-butylphthalate        | 18.00 | 149  | 1752926  | 22.028 | ng/uL | 100      |
| 77) Fluoranthene               | 19.09 | 202  | 1771221  | 22.063 | ng/uL | 100      |
| 80) Pvrene                     | 19.46 | 202  | 1843566  | 20.976 | ng/uL | 100      |
| 81) Butylbenzylphthalate       | 20.37 | 149  | 811559   | 22.461 | ng/uL | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.15 | 252  | 500448   | 17.655 | ng/uL | 100      |
| 83) Benzo(a)anthracene         | 21.22 | 228  | 1690153  | 20.591 | ng/uL | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.16 | 149  | 1267116  | 22.851 | ng/uL | 100      |
| 85) Chrysene                   | 21.27 | 228  | 1726788  | 21.399 | ng/uL | 100      |
| 87) Di-n-octyl phthalate       | 22.03 | 149  | 2146320  | 21.813 | ng/uL | 100      |
| 88) Benzo(b)fluoranthene       | 22.77 | 252  | 1762650  | 18.992 | ng/uL | 100      |
| 89) Benzo(k)fluoranthene       | 22.82 | 252  | 1782236  | 19.495 | ng/uL | 100      |
| 91) Benzo(a)pyrene             | 23.33 | 252  | 1665530  | 19.783 | ng/uL | 100      |
| 92) Indeno(1,2,3-cd)pyrene     | 25.63 | 276  | 2115164  | 19.676 | ng/uL | 100      |
| 93) Dibenzo(a,h)anthracene     | 25.64 | 278  | 1787018  | 20.178 | ng/uL | 100      |
| 94) Benzo(a,h,i)perylene       | 26.30 | 276  | 1740201  | 19.008 | ng/uL | 100      |

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

