

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP030921\  
 Data File : BP004966.D  
 Acq On : 10 Mar 2021 15:59  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleID :  
 SSTD02089

Manual Integrations  
 APPROVED

mohammad  
 3/11/2021 9:25:38 AM

Quant Time: Mar 10 16:29:25 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP030921MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Mar 10 10:08:47 2021  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 32837    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.53 | 136  | 139180   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.39 | 164  | 97861    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.15 | 188  | 224778   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.23 | 240  | 253940   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.52 | 264  | 251694   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.23  | 96  | 7414   | 8.43  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.91  | 99  | 52938  | 20.52 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.08  | 67  | 28009  | 20.44 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.27  | 132 | 41024  | 20.13 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.45  | 113 | 42924  | 19.76 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.89  | 128 | 20850  | 20.34 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.62  | 143 | 23303  | 20.26 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.15 | 165 | 45367  | 20.50 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.67 | 131 | 55310  | 22.83 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.80 | 166 | 139019 | 19.30 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.08 | 160 | 174293 | 19.83 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.60 | 143 | 23825  | 19.26 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.39 | 176 | 122681 | 19.82 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.51 | 200 | 27218  | 18.88 | ng/ul | 0.01 |
| 71) Anthracene-d10             | 17.25 | 188 | 197552 | 19.61 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.49 | 212 | 230498 | 19.57 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.37 | 264 | 252298 | 19.60 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.26  | 88  | 7045   | 8.259  | ng/uL 94  |
| 4) Benzaldehyde                | 6.88  | 77  | 37441  | 28.026 | ng/ul 94  |
| 6) Phenol                      | 6.93  | 94  | 56399  | 20.508 | ng/ul 97  |
| 8) Bis(2-Chloroethyl)ether     | 7.16  | 93  | 41975  | 20.683 | ng/ul 96  |
| 10) 2-Chlorophenol             | 7.30  | 128 | 42232  | 20.060 | ng/ul 98  |
| 11) 2-Methylphenol             | 8.18  | 108 | 40610  | 19.422 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.27  | 45  | 45197  | 20.876 | ng/ul 97  |
| 14) Acetophenone               | 8.56  | 105 | 74495  | 20.613 | ng/ul 100 |
| 15) N-Nitroso-di-n-propylamine | 8.55  | 70  | 37510  | 21.821 | ng/ul 94  |
| 16) 4-Methylphenol             | 8.51  | 108 | 46728  | 20.242 | ng/ul 92  |
| 17) Hexachloroethane           | 8.81  | 117 | 20499  | 20.937 | ng/ul# 92 |
| 20) Nitrobenzene               | 8.93  | 77  | 56588  | 20.546 | ng/ul 98  |
| 21) Isophorone                 | 9.46  | 82  | 99829  | 21.235 | ng/ul 97  |
| 23) 2-Nitrophenol              | 9.65  | 139 | 25687  | 20.939 | ng/ul 99  |
| 24) 2,4-Dimethylphenol         | 9.71  | 107 | 58377  | 20.604 | ng/ul 97  |
| 25) Bis(2-Chloroethoxy)methane | 9.95  | 93  | 56736  | 19.940 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.18 | 162 | 44867  | 20.540 | ng/ul 93  |
| 28) Naphthalene                | 10.57 | 128 | 144617 | 20.064 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.69 | 127 | 57992  | 22.987 | ng/ul 96  |
| 31) Hexachlorobutadiene        | 10.86 | 225 | 33288  | 19.710 | ng/ul 90  |
| 32) Caprolactam                | 11.48 | 113 | 14346m | 20.131 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.82 | 107 | 53804  | 21.174 | ng/ul 96  |
| 34) 2-Methylnaphthalene        | 12.20 | 142 | 103587 | 19.869 | ng/ul 98  |

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|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.42 | 142  | 102675   | 20.015 | ng/ul  | 99       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.57 | 216  | 64449    | 19.770 | ng/ul  | 99       |
| 38) Hexachlorocyclopentadiene  | 12.55 | 237  | 38630    | 18.262 | ng/ul  | 92       |
| 39) 2,4,6-Trichlorophenol      | 12.81 | 196  | 38109    | 19.616 | ng/ul  | 100      |
| 40) 2,4,5-Trichlorophenol      | 12.89 | 196  | 41907    | 19.857 | ng/ul  | 98       |
| 41) 1,1'-Biphenyl              | 13.22 | 154  | 141148   | 19.602 | ng/ul  | 99       |
| 42) 2-Chloronaphthalene        | 13.26 | 162  | 111366   | 19.731 | ng/ul  | 94       |
| 43) 2-Nitroaniline             | 13.47 | 65   | 35734    | 21.802 | ng/ul  | 94       |
| 45) Dimethylphthalate          | 13.85 | 163  | 148296   | 20.107 | ng/ul  | 100      |
| 46) 2,6-Dinitrotoluene         | 13.97 | 165  | 29058    | 19.655 | ng/ul  | 98       |
| 48) Acenaphthylene             | 14.11 | 152  | 164722   | 19.835 | ng/ul  | 99       |
| 49) 3-Nitroaniline             | 14.30 | 138  | 27637    | 21.157 | ng/ul# | 99       |
| 50) Acenaphthene               | 14.45 | 153  | 120409   | 19.723 | ng/ul  | 99       |
| 51) 2,4-Dinitrophenol          | 14.50 | 184  | 16988    | 17.381 | ng/ul# | 80       |
| 53) 4-Nitrophenol              | 14.61 | 109  | 27844    | 20.135 | ng/ul  | 92       |
| 54) Dibenzofuran               | 14.79 | 168  | 173261   | 19.470 | ng/ul  | 99       |
| 55) 2,4-Dinitrotoluene         | 14.76 | 165  | 43445    | 20.260 | ng/ul# | 90       |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.02 | 232  | 39390    | 19.661 | ng/ul# | 92       |
| 57) Diethylphthalate           | 15.22 | 149  | 148801   | 19.728 | ng/ul  | 98       |
| 59) Fluorene                   | 15.44 | 166  | 145131   | 19.523 | ng/ul  | 95       |
| 60) 4-Chlorophenyl-phenylether | 15.44 | 204  | 78456    | 19.200 | ng/ul  | 96       |
| 61) 4-Nitroaniline             | 15.46 | 138  | 30205    | 19.807 | ng/ul  | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 15.52 | 198  | 27409    | 18.714 | ng/ul  | 99       |
| 65) N-Nitrosodiphenylamine     | 15.65 | 169  | 126594   | 20.026 | ng/ul  | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.33 | 248  | 49378    | 19.900 | ng/ul  | 98       |
| 67) Hexachlorobenzene          | 16.45 | 284  | 53907    | 19.243 | ng/ul  | 96       |
| 68) Atrazine                   | 16.62 | 200  | 51070    | 20.114 | ng/ul  | 98       |
| 69) Pentachlorophenol          | 16.79 | 266  | 32278    | 18.212 | ng/ul  | 95       |
| 70) Phenanthrene               | 17.19 | 178  | 236657   | 19.773 | ng/ul  | 99       |
| 72) Anthracene                 | 17.28 | 178  | 243336   | 19.814 | ng/ul  | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.18 | 216  | 64171    | 19.669 | ng/uL  | 95       |
| 74) Pentachlorobenzene         | 14.70 | 250  | 63220    | 19.071 | ng/uL  | 99       |
| 75) Carbazole                  | 17.55 | 167  | 207981   | 19.673 | ng/ul  | 99       |
| 76) Di-n-butylphthalate        | 18.11 | 149  | 250507   | 20.301 | ng/ul  | 98       |
| 77) Fluoranthene               | 19.16 | 202  | 284345   | 19.451 | ng/ul  | 98       |
| 80) Pvrene                     | 19.52 | 202  | 296182   | 19.493 | ng/ul  | 100      |
| 81) Butylbenzylphthalate       | 20.39 | 149  | 112093   | 20.345 | ng/ul  | 95       |
| 82) 3,3'-Dichlorobenzidine     | 21.15 | 252  | 106844   | 20.487 | ng/ul  | 97       |
| 83) Benzo(a)anthracene         | 21.22 | 228  | 304879   | 19.832 | ng/ul  | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.15 | 149  | 167648   | 20.272 | ng/ul  | 97       |
| 85) Chrysene                   | 21.27 | 228  | 294528   | 19.550 | ng/ul  | 99       |
| 87) Di-n-octyl phthalate       | 22.03 | 149  | 284518   | 19.107 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 22.83 | 252  | 316649   | 20.031 | ng/ul  | 99       |
| 89) Benzo(k)fluoranthene       | 22.87 | 252  | 302829   | 19.419 | ng/ul  | 99       |
| 91) Benzo(a)pyrene             | 23.42 | 252  | 272317   | 19.624 | ng/ul  | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.87 | 276  | 346506   | 19.544 | ng/ul  | 97       |
| 93) Dibenzo(a,h)anthracene     | 25.88 | 278  | 293859   | 19.588 | ng/ul  | 100      |
| 94) Benzo(a,h,i)perylene       | 26.59 | 276  | 288225   | 19.629 | ng/ul  | 97       |

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

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