

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121120\  
 Data File : BG047715.D  
 Acq On : 11 Dec 2020 14:21  
 Operator : CG/JU  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SICV007

Manual Integrations  
 APPROVED

mohammad  
 12/14/2020 2:44:08 PM

Quant Time: Dec 11 15:13:53 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG121120.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 11 14:20:11 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.20  | 152  | 26736    | 20.00 | ng/ul | 0.00     |
| 20) Naphthalene-d8        | 11.03 | 136  | 105983   | 20.00 | ng/ul | 0.00     |
| 38) Acenaphthene-d10      | 14.83 | 164  | 80774    | 20.00 | ng/ul | 0.00     |
| 64) Phenanthrene-d10      | 17.56 | 188  | 203564   | 20.00 | ng/ul | 0.00     |
| 79) Chrysene-d12          | 21.84 | 240  | 208605   | 20.00 | ng/ul | 0.00     |
| 88) Perylene-d12          | 25.20 | 264  | 220639   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.52  | 96  | 4429   | 7.29  | ng/uL | 0.00 |
| 4) Pyridine-d5                 | 3.96  | 84  | 35095  | 20.34 | ng/ul | 0.00 |
| 7) Phenol-d5                   | 7.34  | 99  | 46995  | 20.95 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d  | 7.51  | 67  | 25664  | 21.72 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4          | 7.73  | 132 | 35750  | 21.08 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8          | 8.90  | 113 | 38015  | 22.29 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5            | 9.37  | 128 | 17489  | 19.61 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4           | 10.10 | 143 | 21576  | 21.25 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3      | 10.64 | 165 | 42236  | 19.70 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4         | 11.15 | 131 | 50001  | 20.04 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6       | 14.22 | 166 | 136670 | 20.50 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8          | 14.53 | 160 | 156795 | 20.57 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4           | 15.00 | 143 | 19941  | 19.64 | ng/ul | 0.00 |
| 60) Fluorene-d10               | 15.81 | 176 | 124568 | 20.02 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.93 | 200 | 25994  | 18.66 | ng/ul | 0.00 |
| 73) Anthracene-d10             | 17.66 | 188 | 204639 | 20.68 | ng/ul | 0.00 |
| 81) Pyrene-d10                 | 19.93 | 212 | 244184 | 21.62 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12         | 24.96 | 264 | 253653 | 20.49 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        | Ovalue |           |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.56  | 88  | 4763m  | 7.597  | ng/uL     |
| 5) Pyridine                    | 3.98  | 79  | 35405  | 21.881 | ng/ul# 78 |
| 6) Benzaldehyde                | 7.33  | 77  | 19193m | 18.625 | ng/ul     |
| 8) Phenol                      | 7.37  | 94  | 47150  | 21.394 | ng/ul# 83 |
| 10) Bis(2-Chloroethyl)ether    | 7.61  | 93  | 34373  | 22.424 | ng/ul 91  |
| 12) 2-Chlorophenol             | 7.76  | 128 | 35460  | 21.073 | ng/ul 94  |
| 13) 2-Methylphenol             | 8.64  | 108 | 34881  | 20.804 | ng/ul 87  |
| 14) 2,2'-oxybis(1-Chloropropan | 8.73  | 45  | 31974  | 22.412 | ng/ul 97  |
| 16) Acetophenone               | 9.03  | 105 | 59769  | 20.860 | ng/ul 99  |
| 17) N-Nitroso-di-n-propylamine | 9.01  | 70  | 33994  | 21.608 | ng/ul 95  |
| 18) 4-Methylphenol             | 8.96  | 108 | 37978  | 20.640 | ng/ul 90  |
| 19) Hexachloroethane           | 9.30  | 117 | 18042  | 21.896 | ng/ul 94  |
| 22) Nitrobenzene               | 9.41  | 77  | 52245  | 19.675 | ng/ul# 84 |
| 23) Isophorone                 | 9.94  | 82  | 93806  | 20.339 | ng/ul 97  |
| 25) 2-Nitrophenol              | 10.13 | 139 | 22060  | 20.797 | ng/ul 94  |
| 26) 2,4-Dimethylphenol         | 10.18 | 107 | 52209  | 20.968 | ng/ul 89  |
| 27) Bis(2-Chloroethoxy)methane | 10.42 | 93  | 44541  | 20.234 | ng/ul 95  |
| 29) 2,4-Dichlorophenol         | 10.67 | 162 | 41613  | 21.154 | ng/ul 98  |
| 30) Naphthalene                | 11.08 | 128 | 118383 | 20.217 | ng/ul 97  |
| 32) 4-Chloroaniline            | 11.18 | 127 | 47790  | 20.034 | ng/ul 99  |
| 33) Hexachlorobutadiene        | 11.37 | 225 | 41864  | 19.818 | ng/ul# 87 |
| 34) Caprolactam                | 11.93 | 113 | 13529m | 20.303 | ng/ul     |

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|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 4-Chloro-3-methylphenol    | 12.28 | 107  | 44574    | 20.557 | ng/ul# | 87       |
| 36) 2-Methylnaphthalene        | 12.68 | 142  | 90020    | 20.373 | ng/ul  | 98       |
| 37) 1-Methylnaphthalene        | 12.89 | 142  | 86198    | 20.418 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.03 | 216  | 67176    | 20.194 | ng/ul  | 88       |
| 40) Hexachlorocyclopentadiene  | 13.02 | 237  | 41691    | 19.115 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol      | 13.27 | 196  | 41031    | 20.569 | ng/ul  | 94       |
| 42) 2,4,5-Trichlorophenol      | 13.34 | 196  | 41179    | 19.491 | ng/ul# | 93       |
| 43) 1,1'-Biphenyl              | 13.66 | 154  | 126617   | 20.295 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene        | 13.72 | 162  | 98158    | 19.988 | ng/ul  | 97       |
| 45) 2-Nitroaniline             | 13.90 | 65   | 35127    | 20.824 | ng/ul  | 93       |
| 47) Dimethylphthalate          | 14.27 | 163  | 138158   | 20.226 | ng/ul  | 97       |
| 48) 2,6-Dinitrotoluene         | 14.39 | 165  | 28849    | 19.990 | ng/ul# | 92       |
| 50) Acenaphthylene             | 14.56 | 152  | 148073   | 20.614 | ng/ul  | 95       |
| 51) 3-Nitroaniline             | 14.72 | 138  | 17463    | 16.853 | ng/ul# | 99       |
| 52) Acenaphthene               | 14.89 | 153  | 104994   | 20.567 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol          | 14.93 | 184  | 15732    | 18.377 | ng/ul  | 95       |
| 55) 4-Nitrophenol              | 15.01 | 109  | 33700    | 19.574 | ng/ul  | 95       |
| 56) Dibenzofuran               | 15.23 | 168  | 150723   | 20.382 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene         | 15.17 | 165  | 43190    | 20.881 | ng/ul  | 87       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.44 | 232  | 40631    | 20.767 | ng/ul# | 94       |
| 59) Diethylphthalate           | 15.62 | 149  | 134858   | 19.944 | ng/ul  | 99       |
| 61) Fluorene                   | 15.87 | 166  | 127522   | 20.063 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenylether | 15.85 | 204  | 78160    | 19.662 | ng/ul  | 97       |
| 63) 4-Nitroaniline             | 15.87 | 138  | 14888    | 15.283 | ng/ul# | 92       |
| 66) 4,6-Dinitro-2-methylphenol | 15.94 | 198  | 27781    | 19.644 | ng/ul# | 92       |
| 67) N-Nitrosodiphenylamine     | 16.07 | 169  | 113964   | 20.120 | ng/ul  | 94       |
| 68) 4-Bromophenyl-phenylether  | 16.75 | 248  | 54214    | 20.743 | ng/ul  | 95       |
| 69) Hexachlorobenzene          | 16.87 | 284  | 58924    | 20.537 | ng/ul  | 92       |
| 70) Atrazine                   | 17.00 | 200  | 53669    | 19.890 | ng/ul  | 99       |
| 71) Pentachlorophenol          | 17.21 | 266  | 22807    | 16.911 | ng/ul  | 93       |
| 72) Phenanthrene               | 17.61 | 178  | 222141   | 20.097 | ng/ul  | 98       |
| 74) Anthracene                 | 17.70 | 178  | 224202   | 20.304 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachlorobenzene | 13.64 | 216  | 68706    | 20.826 | ng/uL  | 94       |
| 76) Pentachlorobenzene         | 15.14 | 250  | 67887    | 21.088 | ng/uL  | 96       |
| 77) Carbazole                  | 17.96 | 167  | 185513   | 20.609 | ng/ul  | 98       |
| 78) Di-n-butylphthalate        | 18.50 | 149  | 224980   | 20.378 | ng/ul  | 99       |
| 80) Fluoranthene               | 19.60 | 202  | 310647   | 21.727 | ng/ul  | 99       |
| 82) Pyrene                     | 19.96 | 202  | 299632   | 21.228 | ng/ul# | 98       |
| 83) Butylbenzylphthalate       | 20.83 | 149  | 103012   | 20.921 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine     | 21.72 | 252  | 104471   | 20.340 | ng/ul  | 91       |
| 85) Benzo(a)anthracene         | 21.82 | 228  | 306712   | 20.830 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phthalate | 21.70 | 149  | 142925   | 21.059 | ng/ul# | 96       |
| 87) Chrysene                   | 21.89 | 228  | 285293   | 20.419 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate       | 22.96 | 149  | 243966   | 21.011 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene       | 24.13 | 252  | 319456m  | 20.715 | ng/ul  |          |
| 91) Benzo(k)fluoranthene       | 24.19 | 252  | 318064   | 20.876 | ng/ul  | 99       |
| 93) Benzo(a)pyrene             | 25.04 | 252  | 285205   | 20.971 | ng/ul# | 98       |
| 94) Indeno(1,2,3-cd)pyrene     | 29.03 | 276  | 341548   | 20.295 | ng/ul# | 96       |
| 95) Dibenzo(a,h)anthracene     | 29.10 | 278  | 294415   | 21.065 | ng/ul# | 98       |
| 96) Benzo(g,h,i)perylene       | 30.24 | 276  | 278249   | 20.075 | ng/ul# | 91       |

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

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

