

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102721\  
 Data File : BG050733.D  
 Acq On : 26 Oct 2021 16:13  
 Operator : CG/JU  
 Sample : SST04050  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SST040401

Manual Integrations  
 APPROVED

Quant Time: Oct 26 16:59:03 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG102721.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 26 15:37:22 2021  
 Response via : Initial Calibration

| Compound                  | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------|--------|------|----------|--------|-------|----------|
| -----                     |        |      |          |        |       |          |
| Internal Standards        |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 8.252  | 152  | 31652    | 20.000 | ng/u1 | 0.00     |
| 20) Naphthalene-d8        | 11.078 | 136  | 136421   | 20.000 | ng/u1 | 0.00     |
| 38) Acenaphthene-d10      | 14.874 | 164  | 91159    | 20.000 | ng/u1 | 0.00     |
| 64) Phenanthrene-d10      | 17.624 | 188  | 205386   | 20.000 | ng/u1 | 0.00     |
| 79) Chrysene-d12          | 21.930 | 240  | 174954   | 20.000 | ng/u1 | 0.00     |
| 88) Perylene-d12          | 25.361 | 264  | 171005   | 20.000 | ng/u1 | 0.00     |

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|                               |        |     |        |        |       |      |
|-------------------------------|--------|-----|--------|--------|-------|------|
| System Monitoring Compounds   |        |     |        |        |       |      |
| 3) 1,4-Dioxane-d8             | 3.605  | 96  | 15115  | 17.545 | ng/uL | 0.00 |
| 4) Pyridine-d5                | 4.028  | 84  | 112569 | 43.849 | ng/u1 | 0.00 |
| 7) Phenol-d5                  | 7.394  | 99  | 129079 | 46.676 | ng/u1 | 0.00 |
| 9) Bis-(2-Chloroethyl)eth...  | 7.565  | 67  | 82256  | 47.262 | ng/u1 | 0.00 |
| 11) 2-Chlorophenol-d4         | 7.776  | 132 | 93238  | 48.119 | ng/u1 | 0.00 |
| 15) 4-Methylphenol-d8         | 8.951  | 113 | 101122 | 48.311 | ng/u1 | 0.00 |
| 21) Nitrobenzene-d5           | 9.421  | 128 | 46959  | 49.205 | ng/u1 | 0.00 |
| 24) 2-Nitrophenol-d4          | 10.150 | 143 | 53749  | 52.477 | ng/u1 | 0.00 |
| 28) 2,4-Dichlorophenol-d3     | 10.690 | 165 | 94793  | 46.868 | ng/u1 | 0.00 |
| 31) 4-Chloroaniline-d4        | 11.208 | 131 | 140240 | 48.537 | ng/u1 | 0.00 |
| 46) Dimethylphthalate-d6      | 14.269 | 166 | 288122 | 46.183 | ng/u1 | 0.00 |
| 49) Acenaphthylene-d8         | 14.574 | 160 | 356923 | 45.556 | ng/u1 | 0.00 |
| 54) 4-Nitrophenol-d4          | 15.062 | 143 | 53378  | 44.423 | ng/u1 | 0.00 |
| 60) Fluorene-d10              | 15.867 | 176 | 252403 | 44.905 | ng/u1 | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.978 | 200 | 53732  | 52.452 | ng/u1 | 0.00 |
| 73) Anthracene-d10            | 17.723 | 188 | 390592 | 45.016 | ng/u1 | 0.00 |
| 81) Pyrene-d10                | 19.997 | 212 | 435721 | 46.837 | ng/u1 | 0.00 |
| 92) Benzo(a)pyrene-d12        | 25.126 | 264 | 395053 | 45.943 | ng/u1 | 0.00 |

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| Target Compounds              |        |     |        |        |       | Qvalue |
|-------------------------------|--------|-----|--------|--------|-------|--------|
| 2) 1,4-Dioxane                | 3.640  | 88  | 17168  | 16.471 | ng/uL | 90     |
| 5) Pyridine                   | 4.051  | 79  | 115423 | 44.386 | ng/u1 | 98     |
| 6) Benzaldehyde               | 7.383  | 77  | 37586  | 20.608 | ng/u1 | 92     |
| 8) Phenol                     | 7.418  | 94  | 135673 | 47.865 | ng/u1 | 98     |
| 10) Bis(2-Chloroethyl)ether   | 7.659  | 93  | 100638 | 47.334 | ng/u1 | 94     |
| 12) 2-Chlorophenol            | 7.811  | 128 | 91587  | 46.199 | ng/u1 | 94     |
| 13) 2-Methylphenol            | 8.687  | 108 | 99966  | 47.856 | ng/u1 | 97     |
| 14) 2,2'-oxybis(1-Chloropr... | 8.769  | 45  | 160429 | 50.292 | ng/u1 | 98     |
| 16) Acetophenone              | 9.081  | 105 | 157080 | 47.232 | ng/u1 | 96     |
| 17) N-Nitroso-di-n-propyla... | 9.057  | 70  | 95662  | 47.863 | ng/u1 | 97     |
| 18) 4-Methylphenol            | 9.016  | 108 | 105300 | 47.599 | ng/u1 | 98     |
| 19) Hexachloroethane          | 9.345  | 117 | 39700  | 46.595 | ng/u1 | 96     |
| 22) Nitrobenzene              | 9.468  | 77  | 136339 | 47.667 | ng/u1 | 99     |
| 23) Isophorone                | 9.985  | 82  | 261380 | 47.551 | ng/u1 | 99     |
| 25) 2-Nitrophenol             | 10.179 | 139 | 55042  | 52.286 | ng/u1 | 94     |
| 26) 2,4-Dimethylphenol        | 10.226 | 107 | 122741 | 46.971 | ng/u1 | 98     |
| 27) Bis(2-Chloroethoxy)met... | 10.467 | 93  | 141448 | 47.663 | ng/u1 | 98     |
| 29) 2,4-Dichlorophenol        | 10.720 | 162 | 91698  | 45.794 | ng/u1 | 99     |
| 30) Naphthalene               | 11.131 | 128 | 311909 | 44.534 | ng/u1 | 98     |
| 32) 4-Chloroaniline           | 11.231 | 127 | 139508 | 47.959 | ng/u1 | 96     |
| 33) Hexachlorobutadiene       | 11.401 | 225 | 60529  | 41.596 | ng/u1 | 95     |
| 34) Caprolactam               | 11.995 | 113 | 37211m | 48.100 | ng/u1 |        |
| 35) 4-Chloro-3-methylphenol   | 12.336 | 107 | 113921 | 48.255 | ng/u1 | 98     |
| 36) 2-Methylnaphthalene       | 12.717 | 142 | 210380 | 44.181 | ng/u1 | 97     |

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Instrument :  
 BNA\_G  
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 SST040401

Manual Integrations  
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Quant Time: Oct 26 16:59:03 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG102721.M  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.935 | 142  | 213592   | 44.556 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 13.076 | 216  | 113362   | 43.092 | ng/ul# | 97       |
| 40) Hexachlorocyclopentadiene | 13.052 | 237  | 59180    | 33.922 | ng/ul  | 93       |
| 41) 2,4,6-Trichlorophenol     | 13.311 | 196  | 76759    | 46.293 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 13.387 | 196  | 80312    | 44.278 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.710 | 154  | 280249   | 45.683 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.757 | 162  | 218188   | 45.398 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.957 | 65   | 90179    | 57.312 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 14.316 | 163  | 289243   | 46.079 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.445 | 165  | 62902    | 53.273 | ng/ul  | 97       |
| 50) Acenaphthylene            | 14.604 | 152  | 362277   | 45.585 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.780 | 138  | 49172    | 38.285 | ng/ul  | 88       |
| 52) Acenaphthene              | 14.938 | 153  | 241255   | 45.931 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.985 | 184  | 34070    | 46.292 | ng/ul# | 88       |
| 55) 4-Nitrophenol             | 15.079 | 109  | 51426    | 43.281 | ng/ul  | 94       |
| 56) Dibenzofuran              | 15.273 | 168  | 337112   | 44.129 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 15.232 | 165  | 89977    | 52.478 | ng/ul  | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.497 | 232  | 64090    | 41.090 | ng/ul  | 89       |
| 59) Diethylphthalate          | 15.673 | 149  | 315956   | 48.240 | ng/ul  | 98       |
| 61) Fluorene                  | 15.920 | 166  | 266185   | 43.798 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.902 | 204  | 142605   | 43.326 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 15.937 | 138  | 42018    | 32.395 | ng/ul  | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.996 | 198  | 51256    | 50.617 | ng/ul  | 99       |
| 67) N-Nitrosodiphenylamine    | 16.119 | 169  | 239522   | 46.124 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.801 | 248  | 86254    | 45.107 | ng/ul  | 94       |
| 69) Hexachlorobenzene         | 16.924 | 284  | 87772    | 43.590 | ng/ul  | 97       |
| 70) Atrazine                  | 17.059 | 200  | 103487   | 46.804 | ng/ul  | 95       |
| 71) Pentachlorophenol         | 17.271 | 266  | 46170    | 35.012 | ng/ul  | 96       |
| 72) Phenanthrene              | 17.665 | 178  | 458038   | 44.677 | ng/ul  | 99       |
| 74) Anthracene                | 17.759 | 178  | 451901   | 44.507 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.681 | 216  | 121733   | 44.957 | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 15.191 | 250  | 112210   | 45.360 | ng/ul  | 99       |
| 77) Carbazole                 | 18.023 | 167  | 427410   | 47.030 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.558 | 149  | 546645   | 50.759 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.668 | 202  | 559538   | 47.895 | ng/ul  | 97       |
| 82) Pyrene                    | 20.027 | 202  | 533281   | 46.290 | ng/ul  | 96       |
| 83) Butylbenzylphthalate      | 20.896 | 149  | 230458   | 54.272 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.813 | 252  | 165870   | 45.998 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.913 | 228  | 486113   | 46.089 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.783 | 149  | 328834   | 53.890 | ng/ul  | 99       |
| 87) Chrysene                  | 21.983 | 228  | 458077   | 45.319 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 23.064 | 149  | 556695   | 56.655 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.263 | 252  | 479447   | 46.030 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.339 | 252  | 456931   | 47.144 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 25.203 | 252  | 462425   | 46.530 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.304 | 276  | 518741   | 46.490 | ng/ul# | 95       |
| 95) Dibenzo(a,h)anthracene    | 29.374 | 278  | 443201   | 46.675 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 30.544 | 276  | 431638   | 45.890 | ng/ul  | 98       |

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

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