Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030223\
Data File : BG056805.D
Acq On : 3 Mar 2023 1:00
Operator : CG/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD020453

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023

Quant Time: Mar 03 01:52:34 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG022323.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 02 00:12:28 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.417 | 152 | 15495 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 11.255 | 136 | 68824 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 15.021 | 164 | 56072 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.753 | 188 | 134670 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 22.066 | 240 | 129702 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 25.579 | 264 | 141925 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.693 | 96 | 2942 | 10.532 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 4.134 | 84 | 26890 | 23.850 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.542 | 99 | 32707 | 21.093 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.724 | 67 | 20599 | 21.779 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.941 | 132 | 21783 | 21.155 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 9.104 | 113 | 25351 | 21.397 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.592 | 128 | 12034 | 20.864 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.321 | 143 | 14392 | 20.963 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.861 | 165 | 28990 | 22.414 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.378 | 131 | 34876 | 20.674 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.410 | 166 | 93710 | 20.714 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.721 | 160 | 108384 | 21.079 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 15.180 | 143 | 15031 | 19.271 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 16.002 | 176 | 87239 | 20.846 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 16.102 | 200 | 18998 | 21.086 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.853 | 188 | 139737 | 21.388 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 20.109 | 212 | 169992 | 19.369 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 25.344 | 264 | 163939 | 21.400 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.734 | 88 | 3377 | 9.805 | ng/uL# | 82 |
| 5) Pyridine | 4.157 | 79 | 28255 | 23.663 | ng/ul | 97 |
| 6) Benzaldehyde | 7.542 | 77 | 21294 | 26.213 | ng/ul | 98 |
| 8) Phenol | 7.565 | 94 | 33880 | 21.421 | ng/ul | 98 |
| 10) Bis(2-Chloroethyl)ether | 7.812 | 93 | 24651 | 21.936 | ng/ul | 94 |
| 12) 2-Chlorophenol | 7.976 | 128 | 21941 | 21.516 | ng/ul | 96 |
| 13) 2-Methylphenol | 8.840 | 108 | 24113 | 20.212 | ng/ul | 97 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.946 | 45 | 32150 | 21.291 | ng/ul | 99 |
| 16) Acetophenone | 9.245 | 105 | 43636 | 21.508 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propyla... | 9.216 | 70 | 24402 | 20.962 | ng/ul | 98 |
| 18) 4-Methylphenol | 9.169 | 108 | 27804 | 21.449 | ng/ul | 99 |
| 19) Hexachloroethane | 9.522 | 117 | 9038 | 20.843 | ng/ul# | 79 |
| 22) Nitrobenzene | 9.633 | 77 | 37556 | 22.455 | ng/ul | 98 |
| 23) Isophorone | 10.156 | 82 | 68660 | 20.998 | ng/ul | 98 |
| 25) 2-Nitrophenol | 10.350 | 139 | 14719 | 21.719 | ng/ul | 97 |
| 26) 2,4-Dimethylphenol | 10.391 | 107 | 32258 | 21.313 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 10.632 | 93 | 35089 | 21.230 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.885 | 162 | 27628 | 22.058 | ng/ul | 96 |
| 30) Naphthalene | 11.308 | 128 | 79723 | 21.044 | ng/ul | 96 |
| 32) 4-Chloroaniline | 11.402 | 127 | 34775 | 20.810 | ng/ul | 95 |
| 33) Hexachlorobutadiene | 11.584 | 225 | 22933 | 22.974 | ng/ul | 93 |
| 34) Caprolactam | 12.136 | 113 | 9104 | 21.381 | ng/ul | 83 |
| 35) 4-Chloro-3-methylphenol | 12.483 | 107 | 30561 | 21.239 | ng/ul | 93 |
| 36) 2-Methylnaphthalene | 12.877 | 142 | 59511 | 21.935 | ng/ul | 98 |

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| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 37) | 1-Methylnaphthalene | 13.094 | 142 | 58687 | 21.939 | ng/ul | 96 |
| 39) | 1,2,4,5-Tetrachloroben... | 13.235 | 216 | 44122 | 22.194 | ng/ul | 92 |
| 40) | Hexachlorocyclopentadiene | 13.211 | 237 | 26100 | 18.322 | ng/ul | 99 |
| 41) | 2,4,6-Trichlorophenol | 13.464 | 196 | 28136 | 21.181 | ng/ul | 95 |
| 42) | 2,4,5-Trichlorophenol | 13.535 | 196 | 32000 | 22.186 | ng/ul | 95 |
| 43) | 1,1'-Biphenyl | 13.858 | 154 | 86728 | 21.034 | ng/ul | 96 |
| 44) | 2-Chloronaphthalene | 13.911 | 162 | 72747 | 21.324 | ng/ul | 94 |
| 45) | 2-Nitroaniline | 14.099 | 65 | 25486 | 21.523 | ng/ul | 92 |
| 47) | Dimethylphthalate | 14.451 | 163 | 92927 | 20.198 | ng/ul | 99 |
| 48) | 2,6-Dinitrotoluene | 14.580 | 165 | 19772 | 20.965 | ng/ul | 89 |
| 50) | Acenaphthylene | 14.751 | 152 | 107876 | 20.768 | ng/ul | 97 |
| 51) | 3-Nitroaniline | 14.909 | 138 | 18142 | 21.494 | ng/ul# | 99 |
| 52) | Acenaphthene | 15.086 | 153 | 75039 | 21.029 | ng/ul | 97 |
| 53) | 2,4-Dinitrophenol | 15.109 | 184 | 10934 | 18.097 | ng/ul# | 86 |
| 55) | 4-Nitrophenol | 15.191 | 109 | 18593 | 20.594 | ng/ul | 95 |
| 56) | Dibenzofuran | 15.415 | 168 | 115073 | 21.244 | ng/ul | 94 |
| 57) | 2,4-Dinitrotoluene | 15.356 | 165 | 28190 | 20.849 | ng/ul | 93 |
| 58) | 2,3,4,6-Tetrachlorophenol | 15.632 | 232 | 28474 | 21.214 | ng/ul# | 95 |
| 59) | Diethylphthalate | 15.802 | 149 | 93109 | 20.218 | ng/ul | 99 |
| 61) | Fluorene | 16.061 | 166 | 90217 | 20.800 | ng/ul | 97 |
| 62) | 4-Chlorophenyl-phenyle... | 16.037 | 204 | 53392 | 20.782 | ng/ul | 99 |
| 63) | 4-Nitroaniline | 16.061 | 138 | 16410 | 19.898 | ng/ul# | 79 |
| 66) | 4,6-Dinitro-2-methylph... | 16.120 | 198 | 17544 | 20.226 | ng/ul# | 98 |
| 67) | N-Nitrosodiphenylamine | 16.249 | 169 | 80096 | 21.388 | ng/ul | 98 |
| 68) | 4-Bromophenyl-phenylether | 16.931 | 248 | 37980 | 22.254 | ng/ul | 98 |
| 69) | Hexachlorobenzene | 17.060 | 284 | 40734 | 22.216 | ng/ul | 98 |
| 70) | Atrazine | 17.177 | 200 | 35900 | 22.072 | ng/ul | 98 |
| 71) | Pentachlorophenol | 17.401 | 266 | 20690 | 19.873 | ng/ul# | 86 |
| 72) | Phenanthrene | 17.794 | 178 | 155484 | 21.314 | ng/ul | 99 |
| 74) | Anthracene | 17.888 | 178 | 156883 | 21.281 | ng/ul | 98 |
| 75) | 1,2,3,4-Tetrachloroben... | 13.834 | 216 | 46328 | 22.487 | ng/uL | 94 |
| 76) | Pentachlorobenzene | 15.332 | 250 | 47752 | 22.853 | ng/uL | 90 |
| 77) | Carbazole | 18.147 | 167 | 132071 | 21.412 | ng/ul | 98 |
| 78) | Di-n-butylphthalate | 18.676 | 149 | 153695 | 21.620 | ng/ul | 99 |
| 80) | Fluoranthene | 19.780 | 202 | 199044 | 18.756 | ng/ul# | 97 |
| 82) | Pyrene | 20.139 | 202 | 197935 | 18.932 | ng/ul | 99 |
| 83) | Butylbenzylphthalate | 20.996 | 149 | 67400 | 20.322 | ng/ul | 91 |
| 84) | 3,3'-Dichlorobenzidine | 21.936 | 252 | 74524 | 22.917 | ng/ul | 99 |
| 85) | Benzo(a)anthracene | 22.042 | 228 | 200541 | 21.244 | ng/ul | 98 |
| 86) | Bis(2-ethylhexyl)phtha... | 21.901 | 149 | 98426 | 21.126 | ng/ul | 99 |
| 87) | Chrysene | 22.113 | 228 | 184230 | 20.954 | ng/ul | 99 |
| 89) | Di-n-octyl phthalate | 23.211 | 149 | 165343 | 21.429 | ng/ul | 100 |
| 90) | Benzo(b)fluoranthene | 24.457 | 252 | 204898 | 21.566 | ng/ul | 100 |
| 91) | Benzo(k)fluoranthene | 24.533 | 252 | 196399 | 21.222 | ng/ul | 97 |
| 93) | Benzo(a)pyrene | 25.415 | 252 | 177919 | 21.304 | ng/ul | 100 |
| 94) | Indeno(1,2,3-cd)pyrene | 29.645 | 276 | 239437 | 21.105 | ng/ul# | 97 |
| 95) | Dibenzo(a,h)anthracene | 29.716 | 278 | 199073 | 20.986 | ng/ul# | 93 |
| 96) | Benzo(g,h,i)perylene | 30.920 | 276 | 191157m | 21.094 | ng/ul | |

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

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