Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012522\
Data File : BG052143.D
Acq On : 25 Jan 2022 14:34
Operator : CG/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD020505

**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 01/26/2022
Supervised By :mohammad ahmed 01/31/2022

Quant Time: Jan 25 23:25:46 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG010622.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 06 14:43:02 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.261 | 152 | 28753 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 11.098 | 136 | 122610 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.899 | 164 | 91977 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.648 | 188 | 212508 | 20.000 | ng/ul | # 0.00 |
| 79) Chrysene-d12 | 21.966 | 240 | 202249 | 20.000 | ng/ul | # 0.00 |
| 88) Perylene-d12 | 25.455 | 264 | 211179 | 20.000 | ng/ul | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.579 | 96 | 6973 | 8.666 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 4.008 | 84 | 51550 | 20.609 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.403 | 99 | 62166 | 22.090 | ng/ul | 0.01 |
| 9) Bis-(2-Chloroethyl)eth... | 7.568 | 67 | 36916 | 20.665 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.791 | 132 | 42812 | 22.978 | ng/ul | 0.01 |
| 15) 4-Methylphenol-d8 | 8.966 | 113 | 47249 | 21.598 | ng/ul | 0.01 |
| 21) Nitrobenzene-d5 | 9.430 | 128 | 22490 | 23.213 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.164 | 143 | 24545 | 22.907 | ng/ul | 0.01 |
| 28) 2,4-Dichlorophenol-d3 | 10.711 | 165 | 51368 | 24.526 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.228 | 131 | 66561 | 22.821 | ng/ul | 0.01 |
| 46) Dimethylphthalate-d6 | 14.288 | 166 | 152913 | 20.113 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.594 | 160 | 198850 | 21.653 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 15.081 | 143 | 22784 | 17.925 | ng/ul | 0.01 |
| 60) Fluorene-d10 | 15.886 | 176 | 140038 | 21.126 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.998 | 200 | 23299 | 17.380 | ng/ul | 0.01 |
| 73) Anthracene-d10 | 17.748 | 188 | 222876 | 22.109 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 20.022 | 212 | 267793 | 23.007 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 25.215 | 264 | 253166 | 22.772 | ng/ul | 0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.614 | 88 | 7246 | 7.804 | ng/uL# | 94 |
| 5) Pyridine | 4.026 | 79 | 52889 | 20.182 | ng/ul | 97 |
| 6) Benzaldehyde | 7.380 | 77 | 13473 | 7.197 | ng/ul | 87 |
| 8) Phenol | 7.433 | 94 | 61419 | 21.383 | ng/ul# | 92 |
| 10) Bis(2-Chloroethyl)ether | 7.662 | 93 | 43655 | 20.762 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.820 | 128 | 44298 | 23.371 | ng/ul | 95 |
| 13) 2-Methylphenol | 8.702 | 108 | 45506 | 21.786 | ng/ul | 100 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.784 | 45 | 64812 | 20.209 | ng/ul | 99 |
| 16) Acetophenone | 9.083 | 105 | 71386 | 20.676 | ng/ul | 96 |
| 17) N-Nitroso-di-n-propyla... | 9.066 | 70 | 41208 | 19.536 | ng/ul | 97 |
| 18) 4-Methylphenol | 9.031 | 108 | 49490 | 21.873 | ng/ul | 92 |
| 19) Hexachloroethane | 9.365 | 117 | 17000 | 20.774 | ng/ul# | 69 |
| 22) Nitrobenzene | 9.477 | 77 | 61066 | 20.321 | ng/ul | 98 |
| 23) Isophorone | 10.000 | 82 | 112614 | 19.822 | ng/ul | 98 |
| 25) 2-Nitrophenol | 10.194 | 139 | 26128 | 22.188 | ng/ul | 89 |
| 26) 2,4-Dimethylphenol | 10.247 | 107 | 56821 | 22.238 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 10.482 | 93 | 60906 | 20.822 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.740 | 162 | 47509 | 23.097 | ng/ul | 98 |
| 30) Naphthalene | 11.151 | 128 | 150295 | 22.621 | ng/ul | 97 |
| 32) 4-Chloroaniline | 11.251 | 127 | 67218 | 22.614 | ng/ul | 95 |
| 33) Hexachlorobutadiene | 11.439 | 225 | 36450 | 22.231 | ng/ul | 97 |
| 34) Caprolactam | 11.997 | 113 | 16363m | 20.440 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.361 | 107 | 53338 | 22.459 | ng/ul | 99 |
| 36) 2-Methylnaphthalene | 12.743 | 142 | 108082 | 22.838 | ng/ul | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.961 | 142 | 109704 | 22.587 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 13.107 | 216 | 72009 | 22.639 | ng/ul | 96 |
| 40) Hexachlorocyclopentadiene | 13.090 | 237 | 27760 | 12.719 | ng/ul | 95 |
| 41) 2,4,6-Trichlorophenol | 13.336 | 196 | 43888 | 21.831 | ng/ul | 92 |
| 42) 2,4,5-Trichlorophenol | 13.413 | 196 | 48838 | 22.536 | ng/ul | 96 |
| 43) 1,1'-Biphenyl | 13.730 | 154 | 152824 | 21.523 | ng/ul# | 93 |
| 44) 2-Chloronaphthalene | 13.783 | 162 | 115799 | 21.058 | ng/ul | 100 |
| 45) 2-Nitroaniline | 13.977 | 65 | 41272 | 19.583 | ng/ul | 97 |
| 47) Dimethylphthalate | 14.335 | 163 | 147148 | 19.629 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.459 | 165 | 33701 | 21.322 | ng/ul | 95 |
| 50) Acenaphthylene | 14.623 | 152 | 193846 | 21.436 | ng/ul | 98 |
| 51) 3-Nitroaniline | 14.793 | 138 | 23036 | 16.112 | ng/ul | 99 |
| 52) Acenaphthene | 14.964 | 153 | 127318 | 21.175 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.999 | 184 | 9102 | 9.767 | ng/ul | 91 |
| 55) 4-Nitrophenol | 15.093 | 109 | 24652 | 16.901 | ng/ul | 86 |
| 56) Dibenzofuran | 15.293 | 168 | 183583 | 21.023 | ng/ul | 98 |
| 57) 2,4-Dinitrotoluene | 15.246 | 165 | 46527 | 20.360 | ng/ul# | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.522 | 232 | 41823 | 20.806 | ng/ul# | 83 |
| 59) Diethylphthalate | 15.692 | 149 | 152374 | 19.701 | ng/ul | 98 |
| 61) Fluorene | 15.945 | 166 | 151108 | 20.765 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenyle... | 15.927 | 204 | 84240 | 20.861 | ng/ul | 95 |
| 63) 4-Nitroaniline | 15.951 | 138 | 15286 | 10.406 | ng/ul | 91 |
| 66) 4,6-Dinitro-2-methylph... | 16.009 | 198 | 21876 | 17.068 | ng/ul# | 96 |
| 67) N-Nitrosodiphenylamine | 16.139 | 169 | 132545 | 23.212 | ng/ul | 94 |
| 68) 4-Bromophenyl-phenylether | 16.826 | 248 | 58798 | 23.635 | ng/ul# | 85 |
| 69) Hexachlorobenzene | 16.955 | 284 | 64274 | 23.295 | ng/ul# | 87 |
| 70) Atrazine | 17.078 | 200 | 57548 | 21.723 | ng/ul | 96 |
| 71) Pentachlorophenol | 17.296 | 266 | 26390 | 17.127 | ng/ul | 94 |
| 72) Phenanthrene | 17.689 | 178 | 246145 | 22.105 | ng/ul | 97 |
| 74) Anthracene | 17.778 | 178 | 245760 | 22.048 | ng/ul | 98 |
| 75) 1,2,3,4-Tetrachloroben... | 13.707 | 216 | 75143 | 23.544 | ng/uL | 98 |
| 76) Pentachlorobenzene | 15.222 | 250 | 76311 | 24.567 | ng/uL | 98 |
| 77) Carbazole | 18.042 | 167 | 213261 | 21.233 | ng/ul | 98 |
| 78) Di-n-butylphthalate | 18.588 | 149 | 252199 | 21.243 | ng/ul | 98 |
| 80) Fluoranthene | 19.687 | 202 | 306044 | 22.752 | ng/ul# | 90 |
| 82) Pyrene | 20.051 | 202 | 300324 | 22.677 | ng/ul# | 89 |
| 83) Butylbenzylphthalate | 20.920 | 149 | 107164 | 23.251 | ng/ul# | 93 |
| 84) 3,3'-Dichlorobenzidine | 21.843 | 252 | 103266 | 22.119 | ng/ul# | 96 |
| 85) Benzo(a)anthracene | 21.943 | 228 | 301545 | 22.671 | ng/ul | 98 |
| 86) Bis(2-ethylhexyl)phtha... | 21.819 | 149 | 151602 | 22.492 | ng/ul# | 99 |
| 87) Chrysene | 22.013 | 228 | 285869 | 22.320 | ng/ul | 98 |
| 89) Di-n-octyl phthalate | 23.123 | 149 | 259424 | 22.238 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 24.339 | 252 | 317820 | 22.709 | ng/ul# | 94 |
| 91) Benzo(k)fluoranthene | 24.410 | 252 | 294575 | 22.765 | ng/ul# | 96 |
| 93) Benzo(a)pyrene | 25.291 | 252 | 303555 | 22.919 | ng/ul# | 94 |
| 94) Indeno(1,2,3-cd)pyrene | 29.485 | 276 | 332860 | 21.954 | ng/ul# | 90 |
| 95) Dibenzo(a,h)anthracene | 29.550 | 278 | 285012 | 22.225 | ng/ul# | 93 |
| 96) Benzo(g,h,i)perylene | 30.736 | 276 | 275498m | 21.611 | ng/ul | |

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

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