Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030123\
Data File : BG056767.D
Acq On : 1 Mar 2023 17:08
Operator : CG/JU
Sample : 01649-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 02 00:14:52 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

**Instrument :**
BNA_G
**ClientSampleId :**
DBZV0MS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/02/2023
Supervised By :Jagrut Upadhyay 03/02/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.421 | 152 | 16021 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 11.259 | 136 | 69951 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 15.019 | 164 | 53616 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.757 | 188 | 131702 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 22.063 | 240 | 119877 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 25.589 | 264 | 132622 | 20.000 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.697 | 96 | 1533 | 5.308 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 4.137 | 84 | 21235 | 18.216 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.539 | 99 | 39373 | 24.559 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.721 | 67 | 23173 | 23.696 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.939 | 132 | 25525 | 23.975 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 9.108 | 113 | 28963 | 23.643 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.596 | 128 | 14020 | 23.916 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.318 | 143 | 16634 | 23.838 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.865 | 165 | 32712 | 24.884 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.376 | 131 | 32497 | 18.953 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.408 | 166 | 104053 | 24.054 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.719 | 160 | 119054 | 24.215 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 15.183 | 143 | 16315 | 21.875 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 16.006 | 176 | 95763 | 23.932 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 16.106 | 200 | 20040 | 22.743 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.857 | 188 | 148567 | 23.252 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 20.113 | 212 | 180380 | 22.237 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 25.342 | 264 | 175096 | 24.460 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.732 | 88 | 5207 | 14.622 | ng/uL | 93 |
| 5) Pyridine | 4.155 | 79 | 39788 | 32.228 | ng/ul | 92 |
| 6) Benzaldehyde | 7.539 | 77 | 33207 | 39.536 | ng/ul | 95 |
| 8) Phenol | 7.569 | 94 | 55691 | 34.056 | ng/ul | 97 |
| 10) Bis(2-Chloroethyl)ether | 7.815 | 93 | 39445 | 33.949 | ng/ul | 97 |
| 12) 2-Chlorophenol | 7.974 | 128 | 36727 | 34.834 | ng/ul | 96 |
| 13) 2-Methylphenol | 8.844 | 108 | 40221 | 32.608 | ng/ul | 96 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.944 | 45 | 51759 | 33.151 | ng/ul | 97 |
| 16) Acetophenone | 9.243 | 105 | 69997 | 33.368 | ng/ul | 97 |
| 17) N-Nitroso-di-n-propyla... | 9.220 | 70 | 39346 | 32.689 | ng/ul | 98 |
| 18) 4-Methylphenol | 9.173 | 108 | 44693 | 33.346 | ng/ul | 92 |
| 19) Hexachloroethane | 9.525 | 117 | 14736 | 32.867 | ng/ul | 90 |
| 22) Nitrobenzene | 9.637 | 77 | 60078 | 35.342 | ng/ul | 97 |
| 23) Isophorone | 10.160 | 82 | 110441 | 33.231 | ng/ul | 98 |
| 25) 2-Nitrophenol | 10.354 | 139 | 22789 | 33.085 | ng/ul# | 94 |
| 26) 2,4-Dimethylphenol | 10.389 | 107 | 44656 | 29.029 | ng/ul | 97 |
| 27) Bis(2-Chloroethoxy)met... | 10.630 | 93 | 56890 | 33.866 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.888 | 162 | 43522 | 34.188 | ng/ul# | 94 |
| 30) Naphthalene | 11.311 | 128 | 125907 | 32.700 | ng/ul | 96 |
| 32) 4-Chloroaniline | 11.405 | 127 | 44024 | 25.920 | ng/ul | 92 |
| 33) Hexachlorobutadiene | 11.582 | 225 | 34914 | 34.412 | ng/ul | 98 |
| 34) Caprolactam | 12.152 | 113 | 14222m | 32.862 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.486 | 107 | 49482 | 33.835 | ng/ul | 95 |
| 36) 2-Methylnaphthalene | 12.880 | 142 | 93326 | 33.844 | ng/ul | 98 |

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 13.098 | 142 | 95055 | 34.962 | ng/ul | 94 |
| 39) 1,2,4,5-Tetrachloroben... | 13.239 | 216 | 68625 | 36.101 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 13.215 | 237 | 39499 | 28.999 | ng/ul | 93 |
| 41) 2,4,6-Trichlorophenol | 13.462 | 196 | 44249 | 34.837 | ng/ul | 97 |
| 42) 2,4,5-Trichlorophenol | 13.538 | 196 | 48052 | 34.841 | ng/ul | 96 |
| 43) 1,1'-Biphenyl | 13.861 | 154 | 134071 | 34.006 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.914 | 162 | 112929 | 34.619 | ng/ul | 96 |
| 45) 2-Nitroaniline | 14.102 | 65 | 39053 | 34.491 | ng/ul | 92 |
| 47) Dimethylphthalate | 14.455 | 163 | 148508 | 33.758 | ng/ul# | 99 |
| 48) 2,6-Dinitrotoluene | 14.584 | 165 | 31430 | 34.853 | ng/ul | 96 |
| 50) Acenaphthylene | 14.749 | 152 | 166712 | 33.565 | ng/ul | 98 |
| 51) 3-Nitroaniline | 14.913 | 138 | 27597 | 34.193 | ng/ul# | 99 |
| 52) Acenaphthene | 15.083 | 153 | 115486 | 33.847 | ng/ul | 96 |
| 53) 2,4-Dinitrophenol | 15.113 | 184 | 19519 | 33.786 | ng/ul | 91 |
| 55) 4-Nitrophenol | 15.195 | 109 | 29653 | 34.348 | ng/ul | 92 |
| 56) Dibenzofuran | 15.418 | 168 | 174500 | 33.690 | ng/ul | 96 |
| 57) 2,4-Dinitrotoluene | 15.360 | 165 | 43589 | 33.715 | ng/ul | 91 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.630 | 232 | 44039 | 34.313 | ng/ul | 98 |
| 59) Diethylphthalate | 15.806 | 149 | 143365 | 32.557 | ng/ul | 98 |
| 61) Fluorene | 16.059 | 166 | 137572 | 33.171 | ng/ul | 97 |
| 62) 4-Chlorophenyl-phenyle... | 16.041 | 204 | 84624 | 34.448 | ng/ul | 99 |
| 63) 4-Nitroaniline | 16.070 | 138 | 28524 | 36.171 | ng/ul | 90 |
| 66) 4,6-Dinitro-2-methylph... | 16.123 | 198 | 27901 | 32.891 | ng/ul# | 100 |
| 67) N-Nitrosodiphenylamine | 16.253 | 169 | 122228 | 33.374 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.934 | 248 | 57590 | 34.505 | ng/ul | 98 |
| 69) Hexachlorobenzene | 17.058 | 284 | 60571 | 33.780 | ng/ul | 97 |
| 70) Atrazine | 17.181 | 200 | 44682 | 28.091 | ng/ul | 98 |
| 71) Pentachlorophenol | 17.398 | 266 | 32405 | 31.827 | ng/ul | 97 |
| 72) Phenanthrene | 17.798 | 178 | 239405 | 33.558 | ng/ul | 99 |
| 74) Anthracene | 17.892 | 178 | 234343 | 32.505 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 13.838 | 216 | 67922 | 33.711 | ng/uL | 96 |
| 76) Pentachlorobenzene | 15.336 | 250 | 70083 | 34.296 | ng/uL | 97 |
| 77) Carbazole | 18.150 | 167 | 198552 | 32.915 | ng/ul | 98 |
| 78) Di-n-butylphthalate | 18.673 | 149 | 230835 | 33.203 | ng/ul | 100 |
| 80) Fluoranthene | 19.784 | 202 | 298173 | 30.400 | ng/ul# | 98 |
| 82) Pyrene | 20.142 | 202 | 302434 | 31.299 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 21.000 | 149 | 101585 | 33.139 | ng/ul | 98 |
| 84) 3,3'-Dichlorobenzidine | 21.940 | 252 | 96859 | 32.226 | ng/ul | 98 |
| 85) Benzo(a)anthracene | 22.040 | 228 | 298067 | 34.163 | ng/ul | 96 |
| 86) Bis(2-ethylhexyl)phtha... | 21.905 | 149 | 147263 | 34.198 | ng/ul | 97 |
| 87) Chrysene | 22.116 | 228 | 277824 | 34.189 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 23.215 | 149 | 247290 | 34.298 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 24.455 | 252 | 307365 | 34.620 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 24.531 | 252 | 292229 | 33.793 | ng/ul | 100 |
| 93) Benzo(a)pyrene | 25.418 | 252 | 267204 | 34.239 | ng/ul | 100 |
| 94) Indeno(1,2,3-cd)pyrene | 29.655 | 276 | 362366 | 34.181 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 29.719 | 278 | 297214 | 33.530 | ng/ul# | 94 |
| 96) Benzo(g,h,i)perylene | 30.930 | 276 | 292694 | 34.563 | ng/ul | 96 |

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

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