Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020123\
Data File : BG056499.D
Acq On : 1 Feb 2023 14:11
Operator : CG/JU
Sample : N4955-02
Misc : LOQ-SOIL 10ppm
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 02 05:00:58 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 01:15:52 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
LOQ-SOIL-02-QT4-2022

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo
02/02/2023
Supervised By :Jagrut Upadhyay
02/02/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.270 | 152 | 33036 | 20.000 | ng | # 0.00 |
| 21) Naphthalene-d8 | 11.108 | 136 | 124461 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.897 | 164 | 101755 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.635 | 188 | 262913 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.924 | 240 | 255691 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 25.344 | 264 | 281377 | 20.000 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.790 | 112 | 183492 | 102.176 | ng | 0.00 |
| 7) Phenol-d6 | 7.418 | 99 | 262340 | 98.592 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.451 | 82 | 154756 | 70.607 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.378 | 330 | 140117 | 103.578 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.522 | 172 | 522454 | 71.185 | ng | 0.00 |
| 79) Terphenyl-d14 | 20.209 | 244 | 1002906 | 68.891 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.593 | 88 | 6987 | 9.344 | ng | 98 |
| 3) Pyridine | 4.022 | 79 | 17028 | 7.639 | ng | # 91 |
| 4) n-Nitrosodimethylamine | 3.928 | 42 | 3711 | 7.829 | ng | # 98 |
| 6) Aniline | 7.582 | 93 | 29074 | 8.346 | ng | 96 |
| 8) 2-Chlorophenol | 7.835 | 128 | 16792 | 8.512 | ng | 100 |
| 9) Benzaldehyde | 7.400 | 77 | 15169 | 9.829 | ng | 96 |
| 10) Phenol | 7.441 | 94 | 23658 | 8.748 | ng | 97 |
| 11) bis(2-Chloroethyl)ether | 7.676 | 93 | 16968 | 9.128 | ng | 95 |
| 12) 1,3-Dichlorobenzene | 8.164 | 146 | 21173 | 9.321 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 8.311 | 146 | 21868m | 9.506 | ng | |
| 14) 1,2-Dichlorobenzene | 8.628 | 146 | 20773 | 9.308 | ng | 92 |
| 15) Benzyl Alcohol | 8.505 | 79 | 15100 | 8.271 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.793 | 45 | 3285 | 8.340 | ng | # 75 |
| 17) 2-Methylphenol | 8.710 | 107 | 15808 | 7.683 | ng | 95 |
| 18) Hexachloroethane | 9.368 | 117 | 6457 | 9.281 | ng | 93 |
| 19) n-Nitroso-di-n-propyla... | 9.075 | 70 | 13213 | 8.617 | ng | # 94 |
| 20) 3+4-Methylphenols | 9.039 | 107 | 22861 | 7.929 | ng | 97 |
| 22) Acetophenone | 9.098 | 105 | 31114 | 9.409 | ng | # 95 |
| 24) Nitrobenzene | 9.492 | 77 | 20035 | 9.477 | ng | 95 |
| 25) Isophorone | 10.009 | 82 | 40687 | 8.998 | ng | 96 |
| 26) 2-Nitrophenol | 10.209 | 139 | 11837 | 9.228 | ng | 94 |
| 27) 2,4-Dimethylphenol | 10.256 | 122 | 17182 | 8.004 | ng | 94 |
| 28) bis(2-Chloroethoxy)met... | 10.491 | 93 | 22942 | 9.184 | ng | 97 |
| 29) 2,4-Dichlorophenol | 10.755 | 162 | 21458 | 8.880 | ng | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.967 | 180 | 25462 | 9.482 | ng | 97 |
| 31) Naphthalene | 11.160 | 128 | 60003 | 9.134 | ng | 99 |
| 32) Benzoic acid | 10.373 | 122 | 12626m | 10.513 | ng | |
| 33) 4-Chloroaniline | 11.260 | 127 | 26336 | 8.589 | ng | 97 |
| 34) Hexachlorobutadiene | 11.431 | 225 | 19137 | 10.153 | ng | 98 |
| 35) Caprolactam | 12.007 | 113 | 6648 | 8.158 | ng | 89 |
| 36) 4-Chloro-3-methylphenol | 12.359 | 107 | 19333 | 8.285 | ng | 97 |
| 37) 2-Methylnaphthalene | 12.741 | 142 | 47069 | 8.691 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.958 | 142 | 45184 | 8.933 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 13.105 | 216 | 35576 | 9.570 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 13.076 | 237 | 11020 | 11.518 | ng | 89 |
| 43) 2,4,6-Trichlorophenol | 13.340 | 196 | 20859 | 8.707 | ng | 97 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.422 | 196 | 22423 | 7.994 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.728 | 154 | 68213 | 9.242 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.781 | 162 | 54027 | 9.365 | ng | | 98 |
| 48) 2-Nitroaniline | 13.981 | 65 | 10453 | 8.765 | ng | | 88 |
| 49) Acenaphthylene | 14.621 | 152 | 83684 | 8.916 | ng | | 98 |
| 50) Dimethylphthalate | 14.333 | 163 | 75232 | 9.139 | ng | # | 97 |
| 51) 2,6-Dinitrotoluene | 14.462 | 165 | 15918 | 8.867 | ng | | 93 |
| 52) Acenaphthene | 14.962 | 154 | 50629 | 9.096 | ng | | 96 |
| 53) 3-Nitroaniline | 14.797 | 138 | 14384 | 8.264 | ng | | 93 |
| 54) 2,4-Dinitrophenol | 15.009 | 184 | 10176 | 9.041 | ng | | 99 |
| 55) Dibenzofuran | 15.291 | 168 | 92022 | 9.219 | ng | | 98 |
| 56) 4-Nitrophenol | 15.103 | 139 | 12724 | 10.699 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 15.250 | 165 | 22734 | 8.990 | ng | | 97 |
| 58) Fluorene | 15.937 | 166 | 73017 | 9.193 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.514 | 232 | 21622 | 8.670 | ng | # | 96 |
| 60) Diethylphthalate | 15.679 | 149 | 68433 | 8.853 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.920 | 204 | 43258 | 8.925 | ng | | 96 |
| 62) 4-Nitroaniline | 15.949 | 138 | 14797 | 8.496 | ng | | 96 |
| 63) Azobenzene | 16.213 | 77 | 48834 | 9.181 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 16.014 | 198 | 13491 | 7.299 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 16.131 | 169 | 66629 | 8.951 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.813 | 248 | 29676 | 8.817 | ng | | 97 |
| 68) Hexachlorobenzene | 16.942 | 284 | 30607 | 9.285 | ng | | 98 |
| 69) Atrazine | 17.059 | 200 | 28020 | 9.757 | ng | | 95 |
| 70) Pentachlorophenol | 17.283 | 266 | 17214 | 8.630 | ng | | 92 |
| 71) Phenanthrene | 17.676 | 178 | 124193 | 9.025 | ng | | 97 |
| 72) Anthracene | 17.764 | 178 | 129641 | 9.178 | ng | | 100 |
| 73) Carbazole | 18.035 | 167 | 109495 | 9.101 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.558 | 149 | 111662 | 8.840 | ng | | 99 |
| 75) Fluoranthene | 19.668 | 202 | 158571 | 9.130 | ng | | 99 |
| 77) Benzidine | 19.838 | 184 | 86511 | 12.503 | ng | | 100 |
| 78) Pyrene | 20.032 | 202 | 160695 | 8.837 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.884 | 149 | 45786 | 8.244 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.901 | 228 | 161080 | 9.011 | ng | | 96 |
| 82) 3,3'-Dichlorobenzidine | 21.801 | 252 | 64583 | 10.033 | ng | | 98 |
| 83) Chrysene | 21.971 | 228 | 150613 | 8.968 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.760 | 149 | 68840 | 8.645 | ng | | 98 |
| 85) Di-n-octyl phthalate | 23.035 | 149 | 113668 | 8.572 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 29.269 | 276 | 176120 | 8.551 | ng | # | 96 |
| 88) Benzo(b)fluoranthene | 24.245 | 252 | 161835 | 9.266 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 24.316 | 252 | 161410 | 9.154 | ng | | 97 |
| 90) Benzo(a)pyrene | 25.179 | 252 | 145512 | 8.458 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 29.327 | 278 | 156538 | 9.054 | ng | # | 97 |
| 92) Benzo(g,h,i)perylene | 30.514 | 276 | 151589 | 9.087 | ng | | 99 |

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

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