Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013023\
Data File : BG056471.D
Acq On : 30 Jan 2023 15:26
Operator : CG/JU
Sample : N3980-02
Misc : LOQ-SOIL-10ppm
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 31 03:01:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 28 00:39:13 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
LOQ-SOIL-02-QT3-2022

**Manual Integrations APPROVED**
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.277 | 152 | 34209 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.108 | 136 | 131501 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.898 | 164 | 109085 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.636 | 188 | 279855 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.925 | 240 | 273909 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.345 | 264 | 297454 | 20.000 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.797 | 112 | 199802 | 107.443 | ng | | 0.00 |
| 7) Phenol-d6 | 7.419 | 99 | 288964 | 104.875 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.452 | 82 | 168344 | 72.695 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.379 | 330 | 153237 | 105.665 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.523 | 172 | 570667 | 72.529 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.210 | 244 | 1102513 | 70.696 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.600 | 88 | 7512 | 9.701 | ng | # | 97 |
| 3) Pyridine | 4.023 | 79 | 19308 | 8.365 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.929 | 42 | 4215 | 8.587 | ng | # | 89 |
| 6) Aniline | 7.589 | 93 | 32306 | 8.955 | ng | # | 93 |
| 8) 2-Chlorophenol | 7.836 | 128 | 17859 | 8.742 | ng | | 87 |
| 9) Benzaldehyde | 7.407 | 77 | 15788 | 9.885 | ng | | 92 |
| 10) Phenol | 7.448 | 94 | 26585 | 9.493 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.677 | 93 | 18226 | 9.469 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 8.165 | 146 | 23852 | 10.141 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.312 | 146 | 23815 | 9.998 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.635 | 146 | 22734 | 9.837 | ng | | 98 |
| 15) Benzyl Alcohol | 8.512 | 79 | 16330 | 8.638 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.788 | 45 | 3909 | 9.584 | ng | | 96 |
| 17) 2-Methylphenol | 8.717 | 107 | 16890 | 7.928 | ng | | 91 |
| 18) Hexachloroethane | 9.375 | 117 | 7090 | 9.841 | ng | | 91 |
| 19) n-Nitroso-di-n-propyla... | 9.076 | 70 | 14712 | 9.265 | ng | # | 97 |
| 20) 3+4-Methylphenols | 9.046 | 107 | 25120 | 8.413 | ng | | 97 |
| 22) Acetophenone | 9.105 | 105 | 33708 | 9.647 | ng | # | 96 |
| 24) Nitrobenzene | 9.499 | 77 | 21004 | 9.403 | ng | | 93 |
| 25) Isophorone | 10.016 | 82 | 42916 | 8.983 | ng | | 99 |
| 26) 2-Nitrophenol | 10.215 | 139 | 12364 | 9.123 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 10.262 | 122 | 19443m | 8.572 | ng | | |
| 28) bis(2-Chloroethoxy)met... | 10.492 | 93 | 24790 | 9.393 | ng | # | 97 |
| 29) 2,4-Dichlorophenol | 10.756 | 162 | 22712 | 8.896 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.973 | 180 | 28469 | 10.034 | ng | | 92 |
| 31) Naphthalene | 11.161 | 128 | 65951 | 9.502 | ng | | 99 |
| 32) Benzoic acid | 10.374 | 122 | 6711m | 5.289 | ng | | |
| 33) 4-Chloroaniline | 11.261 | 127 | 28928 | 8.929 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.438 | 225 | 20108 | 10.097 | ng | | 92 |
| 35) Caprolactam | 12.013 | 113 | 7534 | 8.750 | ng | | 86 |
| 36) 4-Chloro-3-methylphenol | 12.366 | 107 | 22633 | 9.180 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.748 | 142 | 51669 | 9.030 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.965 | 142 | 49587 | 9.279 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 13.106 | 216 | 38860 | 9.751 | ng | | 97 |
| 41) Hexachlorocyclopentadiene | 13.083 | 237 | 11704 | 11.470 | ng | | 95 |
| 43) 2,4,6-Trichlorophenol | 13.341 | 196 | 22618 | 8.807 | ng | | 92 |

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**Instrument :**
BNA_G
**ClientSampleId :**
LOQ-SOIL-02-QT3-2022

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Reviewed By :Christian Giraldo 01/31/2023
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.418 | 196 | 25320 | 8.421 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.735 | 154 | 75842 | 9.585 | ng | | 97 |
| 47) 2-Chloronaphthalene | 13.782 | 162 | 59690 | 9.652 | ng | | 98 |
| 48) 2-Nitroaniline | 13.982 | 65 | 11215 | 8.772 | ng | | 87 |
| 49) Acenaphthylene | 14.622 | 152 | 92060 | 9.149 | ng | | 99 |
| 50) Dimethylphthalate | 14.334 | 163 | 79122 | 8.965 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.463 | 165 | 16975 | 8.820 | ng | | 98 |
| 52) Acenaphthene | 14.963 | 154 | 53992 | 9.049 | ng | | 93 |
| 53) 3-Nitroaniline | 14.798 | 138 | 15579 | 8.350 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 15.010 | 184 | 10051 | 8.330 | ng | | 95 |
| 55) Dibenzofuran | 15.292 | 168 | 98786 | 9.232 | ng | | 98 |
| 56) 4-Nitrophenol | 15.104 | 139 | 10064m | 7.894 | ng | | |
| 57) 2,4-Dinitrotoluene | 15.251 | 165 | 24131 | 8.901 | ng | # | 97 |
| 58) Fluorene | 15.938 | 166 | 78965 | 9.274 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.521 | 232 | 22360 | 8.364 | ng | # | 98 |
| 60) Diethylphthalate | 15.685 | 149 | 76320 | 9.210 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.921 | 204 | 48199 | 9.277 | ng | | 99 |
| 62) 4-Nitroaniline | 15.950 | 138 | 16624 | 8.904 | ng | | 98 |
| 63) Azobenzene | 16.214 | 77 | 53279 | 9.344 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 16.015 | 198 | 19764 | 10.045 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 16.132 | 169 | 72747 | 9.181 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.814 | 248 | 32389 | 9.041 | ng | | 96 |
| 68) Hexachlorobenzene | 16.943 | 284 | 33614 | 9.580 | ng | | 99 |
| 69) Atrazine | 17.066 | 200 | 31071 | 10.165 | ng | | 99 |
| 70) Pentachlorophenol | 17.290 | 266 | 21359m | 10.060 | ng | | |
| 71) Phenanthrene | 17.677 | 178 | 136830 | 9.342 | ng | | 99 |
| 72) Anthracene | 17.765 | 178 | 141491 | 9.410 | ng | | 98 |
| 73) Carbazole | 18.036 | 167 | 121499 | 9.488 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.559 | 149 | 120554 | 8.966 | ng | | 99 |
| 75) Fluoranthene | 19.669 | 202 | 176338 | 9.539 | ng | | 99 |
| 77) Benzidine | 19.839 | 184 | 95271 | 12.853 | ng | | 97 |
| 78) Pyrene | 20.027 | 202 | 179960 | 9.238 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.885 | 149 | 53864 | 9.053 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.902 | 228 | 178777 | 9.336 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.802 | 252 | 73550 | 10.666 | ng | | 99 |
| 83) Chrysene | 21.972 | 228 | 167808 | 9.328 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.761 | 149 | 75758 | 8.881 | ng | # | 98 |
| 85) Di-n-octyl phthalate | 23.030 | 149 | 128691 | 9.059 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 29.281 | 276 | 200032 | 9.187 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 24.246 | 252 | 182275 | 9.873 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.317 | 252 | 185917 | 9.974 | ng | | 98 |
| 90) Benzo(a)pyrene | 25.186 | 252 | 163429 | 8.986 | ng | | 95 |
| 91) Dibenzo(a,h)anthracene | 29.334 | 278 | 175339 | 9.593 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.509 | 276 | 167980 | 9.525 | ng | | 96 |

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

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