Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070920\
Data File : BG045992.D
Acq On : 9 Jul 2020 13:01
Operator : CG/JU
Sample : L3216-02
Misc : LOO-SOIL-10PPM
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
LOQ-SOIL-02-QT3-2020

**Manual Integrations APPROVED**
mohammad
7/10/2020 11:47:05 AM

Quant Time: Jul 09 13:39:19 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 09 11:56:43 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.01 | 152 | 142048 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.80 | 136 | 582463 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.63 | 164 | 349188 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.37 | 188 | 693489 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.62 | 240 | 623167 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.78 | 264 | 617393 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.59 | 112 | 851217 | 97.18 | ng | | 0.00 |
| 7) Phenol-d6 | 7.16 | 99 | 1247913 | 98.95 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.16 | 82 | 841193 | 83.13 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.11 | 330 | 316730 | 97.73 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.25 | 172 | 1648093 | 73.62 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.99 | 244 | 1656323 | 59.15 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.51 | 88 | 47038 | 11.640 | ng | | 99 |
| 3) Pyridine | 3.90 | 79 | 98940 | 8.097 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.82 | 42 | 40745 | 9.861 | ng | | 91 |
| 6) Aniline | 7.33 | 93 | 152336 | 9.443 | ng | | 99 |
| 8) 2-Chlorophenol | 7.57 | 128 | 86010 | 9.122 | ng | | 96 |
| 9) Benzaldehyde | 7.14 | 77 | 100135 | 12.533 | ng | | 97 |
| 10) Phenol | 7.19 | 94 | 115166 | 9.104 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.43 | 93 | 95945 | 9.172 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.90 | 146 | 99156 | 9.123 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.04 | 146 | 99841 | 9.338 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.36 | 146 | 93156 | 9.053 | ng | | 97 |
| 15) Benzyl Alcohol | 8.24 | 79 | 86777 | 8.776 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.54 | 45 | 122298 | 8.961 | ng | | 98 |
| 17) 2-Methylphenol | 8.44 | 107 | 80588 | 8.490 | ng | | 99 |
| 18) Hexachloroethane | 9.09 | 117 | 37466 | 9.107 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.81 | 70 | 83360 | 9.409 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.77 | 107 | 108253 | 8.368 | ng | | 97 |
| 22) Acetophenone | 8.82 | 105 | 151061 | 9.708 | ng | # | 97 |
| 24) Nitrobenzene | 9.20 | 77 | 115759 | 10.364 | ng | | 99 |
| 25) Isophorone | 9.72 | 82 | 218423 | 8.842 | ng | | 99 |
| 26) 2-Nitrophenol | 9.91 | 139 | 34389 | 9.446 | ng | # | 94 |
| 27) 2,4-Dimethylphenol | 9.97 | 122 | 81755 | 9.297 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.20 | 93 | 128568 | 9.268 | ng | | 95 |
| 29) 2,4-Dichlorophenol | 10.45 | 162 | 78923 | 8.670 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.67 | 180 | 90576 | 8.980 | ng | | 97 |
| 31) Naphthalene | 10.86 | 128 | 290692 | 9.310 | ng | | 99 |
| 32) Benzoic acid | 10.03 | 122 | 32019m | 6.725 | ng | | |
| 33) 4-Chloroaniline | 10.95 | 127 | 121544 | 8.711 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.16 | 225 | 48294 | 8.201 | ng | | 97 |
| 35) Caprolactam | 11.68 | 113 | 27638 | 7.997 | ng | | 91 |
| 36) 4-Chloro-3-methylphenol | 12.07 | 107 | 86345 | 8.328 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.46 | 142 | 210649 | 9.490 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.68 | 142 | 197799m | 9.442 | ng | | |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.82 | 216 | 95303 | 9.682 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.81 | 237 | 50923 | 8.719 | ng | | 95 |
| 43) 2,4,6-Trichlorophenol | 13.06 | 196 | 53966 | 8.107 | ng | | 90 |
| 44) 2,4,5-Trichlorophenol | 13.12 | 196 | 62515 | 8.306 | ng | | 95 |
| 46) 1,1'-Biphenyl | 13.46 | 154 | 263818 | 10.043 | ng | | 97 |
| 47) 2-Chloronaphthalene | 13.51 | 162 | 187703 | 9.057 | ng | | 98 |
| 48) 2-Nitroaniline | 13.69 | 65 | 53751 | 11.081 | ng | | 94 |
| 49) Acenaphthylene | 14.35 | 152 | 321319 | 9.609 | ng | | 96 |
| 50) Dimethylphthalate | 14.08 | 163 | 230370 | 8.791 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.19 | 165 | 43790 | 10.769 | ng | | 99 |
| 52) Acenaphthene | 14.69 | 154 | 189690 | 8.993 | ng | | 98 |
| 53) 3-Nitroaniline | 14.51 | 138 | 50909 | 10.103 | ng | # | 97 |
| 54) 2,4-Dinitrophenol | 14.72 | 184 | 9012 | 6.283 | ng | # | 35 |
| 55) Dibenzofuran | 15.02 | 168 | 293201 | 9.483 | ng | | 96 |
| 56) 4-Nitrophenol | 14.82 | 139 | 36550 | 8.561 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 14.97 | 165 | 54886 | 10.924 | ng | | 94 |
| 58) Fluorene | 15.67 | 166 | 233512 | 9.207 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.24 | 232 | 51320m | 8.831 | ng | | |
| 60) Diethylphthalate | 15.45 | 149 | 242608 | 8.828 | ng | | 96 |
| 61) 4-Chlorophenyl-phenylether | 15.67 | 204 | 110441 | 8.752 | ng | | 95 |
| 62) 4-Nitroaniline | 15.67 | 138 | 51773 | 9.559 | ng | | 94 |
| 63) Azobenzene | 15.96 | 77 | 279251 | 9.467 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylphenol | 15.74 | 198 | 16722 | 8.233 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 15.88 | 169 | 203601 | 9.474 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.56 | 248 | 66305 | 8.561 | ng | | 97 |
| 68) Hexachlorobenzene | 16.68 | 284 | 69949 | 9.000 | ng | | 99 |
| 69) Atrazine | 16.82 | 200 | 66752 | 10.506 | ng | | 98 |
| 70) Pentachlorophenol | 17.02 | 266 | 31165 | 7.212 | ng | | 99 |
| 71) Phenanthrene | 17.41 | 178 | 357098 | 9.740 | ng | | 97 |
| 72) Anthracene | 17.50 | 178 | 363453 | 9.768 | ng | | 97 |
| 73) Carbazole | 17.76 | 167 | 339514 | 9.104 | ng | | 96 |
| 74) Di-n-butylphthalate | 18.35 | 149 | 407000 | 9.031 | ng | # | 95 |
| 75) Fluoranthene | 19.42 | 202 | 405277 | 9.562 | ng | | 97 |
| 77) Benzidine | 19.59 | 184 | 203149 | 11.401 | ng | | 98 |
| 78) Pyrene | 19.78 | 202 | 415868 | 9.777 | ng | | 94 |
| 80) Butylbenzylphthalate | 20.68 | 149 | 160993 | 8.009 | ng | | 95 |
| 81) Benzo(a)anthracene | 21.61 | 228 | 381007 | 9.298 | ng | | 93 |
| 82) 3,3'-Dichlorobenzidine | 21.52 | 252 | 138899 | 9.174 | ng | | 100 |
| 83) Chrysene | 21.67 | 228 | 352336 | 9.026 | ng | | 96 |
| 84) Bis(2-ethylhexyl)phthalate | 21.55 | 149 | 244059 | 8.364 | ng | # | 93 |
| 85) Di-n-octyl phthalate | 22.75 | 149 | 400000 | 7.899 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.36 | 276 | 400368 | 8.864 | ng | # | 69 |
| 88) Benzo(b)fluoranthene | 23.78 | 252 | 363883 | 9.284 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 23.85 | 252 | 359968 | 9.713 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.63 | 252 | 332390 | 9.019 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 28.43 | 278 | 336693 | 9.242 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 29.45 | 276 | 333969 | 9.110 | ng | | 100 |

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

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