Quantitation Report (QT Reviewed)

Data Path : U:\HPCHEM1\BNA G\DATA\BG020518\
Data File : BG032540.D
Acq On : 5 Feb 2018 19:02
Operator : SJ/JU
Sample : J1161-02
Misc : LOQ 20PPM
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
LOQ-SOIL-02-QT1-2018

**Manual Integrations APPROVED**
Sohil
2/6/2018 8:45:08 AM

Quant Time: Feb 06 04:11:54 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 29 15:32:55 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.71 | 152 | 17521 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 11.59 | 136 | 71524 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 15.34 | 164 | 50962 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 18.08 | 188 | 124580 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 22.40 | 240 | 159000 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 26.08 | 264 | 182666 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.15 | 112 | 122249 | 140.14 | ng | | 0.00 |
| 7) Phenol-d6 | 7.83 | 99 | 148536 | 127.60 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.91 | 82 | 87495 | 76.41 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.82 | 330 | 135243 | 139.42 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 13.97 | 172 | 334835 | 78.09 | ng | | -0.02 |
| 78) Terphenyl-d14 | 20.61 | 244 | 668898 | 90.12 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.81 | 88 | 4785 | 16.304 | ng | # | 69 |
| 3) Pyridine | 4.26 | 79 | 12100 | 15.268 | ng | # | 68 |
| 4) n-Nitrosodimethylamine | 4.18 | 42 | 6047 | 14.658 | ng | # | 66 |
| 6) Aniline | 8.00 | 93 | 9599 | 6.614 | ng | # | 91 |
| 8) 2-Chlorophenol | 8.26 | 128 | 18855 | 18.286 | ng | # | 82 |
| 9) Benzaldehyde | 7.81 | 77 | 13416 | 22.315 | ng | | 97 |
| 10) Phenol | 7.85 | 94 | 19713 | 17.833 | ng | | 85 |
| 11) bis(2-Chloroethyl)ether | 8.09 | 93 | 14348 | 17.035 | ng | | 85 |
| 12) 1,3-Dichlorobenzene | 8.59 | 146 | 21555 | 15.457 | ng | # | 91 |
| 13) 1,4-Dichlorobenzene | 8.75 | 146 | 22180m | 15.869 | ng | | |
| 14) 1,2-Dichlorobenzene | 9.08 | 146 | 21172 | 15.463 | ng | | 89 |
| 15) Benzyl Alcohol | 8.95 | 79 | 14918 | 15.550 | ng | | 91 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.23 | 45 | 12487 | 15.645 | ng | | 62 |
| 17) 2-Methylphenol | 9.15 | 107 | 14234 | 15.854 | ng | | 96 |
| 18) Hexachloroethane | 9.82 | 117 | 8076 | 17.210 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 9.52 | 70 | 11290 | 14.628 | ng | # | 84 |
| 20) 3+4-Methylphenols | 9.49 | 107 | 19740 | 15.675 | ng | | 95 |
| 22) Acetophenone | 9.55 | 105 | 26887 | 16.037 | ng | # | 85 |
| 24) Nitrobenzene | 9.95 | 77 | 17145 | 15.484 | ng | # | 86 |
| 25) Isophorone | 10.47 | 82 | 32982 | 16.915 | ng | # | 91 |
| 26) 2-Nitrophenol | 10.68 | 139 | 11522 | 17.214 | ng | # | 69 |
| 27) 2,4-Dimethylphenol | 10.71 | 122 | 16756 | 17.441 | ng | | 84 |
| 28) bis(2-Chloroethoxy)methane | 10.96 | 93 | 17807 | 16.654 | ng | # | 93 |
| 29) 2,4-Dichlorophenol | 11.22 | 162 | 18607 | 14.620 | ng | | 86 |
| 30) 1,2,4-Trichlorobenzene | 11.44 | 180 | 25296 | 14.913 | ng | | 96 |
| 31) Naphthalene | 11.64 | 128 | 58557 | 16.763 | ng | # | 93 |
| 32) Benzoic acid | 10.81 | 122 | 5656m | 13.978 | ng | | |
| 33) 4-Chloroaniline | 11.74 | 127 | 9249 | 5.936 | ng | # | 88 |
| 34) Hexachlorobutadiene | 11.91 | 225 | 20325 | 15.400 | ng | | 92 |
| 35) Caprolactam | 12.47 | 113 | 5970 | 16.340 | ng | # | 35 |
| 36) 4-Chloro-3-methylphenol | 12.82 | 107 | 19710 | 16.327 | ng | # | 76 |
| 37) 2-Methylnaphthalene | 13.21 | 142 | 45894 | 15.638 | ng | | 86 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.56 | 216 | 34434 | 14.443 | ng | # | 96 |
| 40) Hexachlorocyclopentadiene | 13.54 | 237 | 20227 | 13.578 | ng | | 91 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.79 | 196 | 19694 | 15.186 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 13.86 | 196 | 24318 | 16.086 | ng | # | 80 |
| 45) 1,1'-Biphenyl | 14.18 | 154 | 67176 | 15.602 | ng | | 95 |
| 46) 2-Chloronaphthalene | 14.24 | 162 | 52736 | 15.627 | ng | | 93 |
| 47) 2-Nitroaniline | 14.43 | 65 | 10409 | 13.948 | ng | # | 73 |
| 48) Acenaphthylene | 15.07 | 152 | 78297 | 15.348 | ng | | 98 |
| 49) Dimethylphthalate | 14.77 | 163 | 69305 | 14.749 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.90 | 165 | 15444 | 15.659 | ng | # | 69 |
| 51) Acenaphthene | 15.40 | 154 | 50196 | 14.187 | ng | | 99 |
| 52) 3-Nitroaniline | 15.24 | 138 | 8632 | 10.020 | ng | # | 70 |
| 53) 2,4-Dinitrophenol | 15.44 | 184 | 1758 | 6.813 | ng | # | 73 |
| 54) Dibenzofuran | 15.74 | 168 | 82976 | 15.845 | ng | | 98 |
| 55) 4-Nitrophenol | 15.53 | 139 | 9102 | 14.113 | ng | # | 74 |
| 56) 2,4-Dinitrotoluene | 15.68 | 165 | 21706 | 15.458 | ng | # | 71 |
| 57) Fluorene | 16.38 | 166 | 67230 | 15.450 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.95 | 232 | 23295 | 15.624 | ng | # | 85 |
| 59) Diethylphthalate | 16.11 | 149 | 67942 | 14.846 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 16.36 | 204 | 41877 | 15.261 | ng | | 91 |
| 61) 4-Nitroaniline | 16.40 | 138 | 13634 | 14.766 | ng | # | 76 |
| 62) Azobenzene | 16.65 | 77 | 43122 | 15.767 | ng | | 87 |
| 64) 4,6-Dinitro-2-methylphenol | 16.44 | 198 | 10366 | 11.138 | ng | # | 66 |
| 65) n-Nitrosodiphenylamine | 16.57 | 169 | 62242 | 16.741 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 17.25 | 248 | 29670 | 16.076 | ng | | 97 |
| 67) Hexachlorobenzene | 17.38 | 284 | 34438 | 16.861 | ng | # | 92 |
| 68) Atrazine | 17.49 | 200 | 27513 | 17.239 | ng | | 97 |
| 69) Pentachlorophenol | 17.72 | 266 | 14677 | 11.471 | ng | | 99 |
| 70) Phenanthrene | 18.12 | 178 | 114264 | 16.447 | ng | | 99 |
| 71) Anthracene | 18.21 | 178 | 119302 | 17.246 | ng | | 95 |
| 72) Carbazole | 18.47 | 167 | 99264 | 16.241 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.98 | 149 | 114580 | 16.932 | ng | | 98 |
| 74) Fluoranthene | 20.09 | 202 | 151189 | 16.594 | ng | | 95 |
| 76) Benzidine | 20.25 | 184 | 24392 | 7.813 | ng | | 96 |
| 77) Pyrene | 20.44 | 202 | 151317 | 15.516 | ng | | 100 |
| 79) Butylbenzylphthalate | 21.30 | 149 | 53937 | 17.535 | ng | # | 75 |
| 80) Benzo(a)anthracene | 22.38 | 228 | 164458 | 16.684 | ng | | 96 |
| 81) 3,3'-Dichlorobenzidine | 22.28 | 252 | 32259 | 8.447 | ng | # | 98 |
| 82) Chrysene | 22.45 | 228 | 156720 | 16.463 | ng | | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 22.22 | 149 | 77702 | 17.815 | ng | # | 96 |
| 84) Di-n-octyl phthalate | 23.58 | 149 | 135162 | 19.538 | ng | # | 88 |
| 85) Indeno(1,2,3-cd)pyrene | 30.32 | 276 | 218756 | 18.166 | ng | # | 53 |
| 87) Benzo(b)fluoranthene | 24.89 | 252 | 183530 | 16.628 | ng | # | 94 |
| 88) Benzo(k)fluoranthene | 24.97 | 252 | 178847 | 16.358 | ng | # | 97 |
| 89) Benzo(a)pyrene | 25.90 | 252 | 172639 | 16.407 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 30.38 | 278 | 185775 | 17.259 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 31.65 | 276 | 182478 | 17.079 | ng | # | 91 |

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

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