Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022318\
Data File : BG032804.D
Acq On : 23 Feb 2018 23:57
Operator : SJ/JU
Sample : PB106787BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB106787BS

Quant Time: Feb 24 02:30:57 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 17:04:54 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.92 | 152 | 58714 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.81 | 136 | 264514 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 15.54 | 164 | 154811 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 18.27 | 188 | 369949 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 22.63 | 240 | 354840 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 26.44 | 264 | 383202 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.34 | 112 | 346792 | 94.49 | ng | | 0.00 |
| 7) Phenol-d6 | 8.02 | 99 | 463062 | 90.52 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 10.13 | 82 | 360540 | 93.47 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 17.01 | 330 | 163741 | 100.59 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 14.17 | 172 | 860957 | 80.21 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.79 | 244 | 1290759 | 81.73 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.96 | 88 | 60359 | 37.90 | ng | | 90 |
| 3) Pyridine | 4.42 | 79 | 171489 | 39.06 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 4.33 | 42 | 81285 | 46.18 | ng | # | 94 |
| 6) Aniline | 8.21 | 93 | 201490 | 29.10 | ng | | 97 |
| 8) 2-Chlorophenol | 8.47 | 128 | 188678 | 46.97 | ng | | 92 |
| 9) Benzaldehyde | 8.02 | 77 | 105367 | 35.74 | ng | | 90 |
| 10) Phenol | 8.05 | 94 | 245003 | 47.51 | ng | | 89 |
| 11) bis(2-Chloroethyl)ether | 8.31 | 93 | 169476 | 40.19 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 8.81 | 146 | 186844 | 39.71 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.96 | 146 | 188717 | 39.85 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 9.30 | 146 | 178644 | 39.36 | ng | | 100 |
| 15) Benzyl Alcohol | 9.16 | 79 | 160294 | 42.62 | ng | | 88 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.45 | 45 | 269223 | 37.14 | ng | | 96 |
| 17) 2-Methylphenol | 9.36 | 107 | 162553 | 42.75 | ng | | 95 |
| 18) Hexachloroethane | 10.06 | 117 | 66118 | 41.00 | ng | # | 87 |
| 19) n-Nitroso-di-n-propylamine | 9.74 | 70 | 136976 | 37.93 | ng | # | 96 |
| 20) 3+4-Methylphenols | 9.69 | 107 | 224787 | 42.52 | ng | | 94 |
| 22) Acetophenone | 9.77 | 105 | 259988 | 38.92 | ng | # | 93 |
| 24) Nitrobenzene | 10.17 | 77 | 190557 | 45.55 | ng | | 93 |
| 25) Isophorone | 10.70 | 82 | 378599 | 40.78 | ng | # | 93 |
| 26) 2-Nitrophenol | 10.90 | 139 | 88547 | 56.05 | ng | | 89 |
| 27) 2,4-Dimethylphenol | 10.93 | 122 | 204315 | 50.66 | ng | | 89 |
| 28) bis(2-Chloroethoxy)methane | 11.17 | 93 | 232721 | 43.03 | ng | | 95 |
| 29) 2,4-Dichlorophenol | 11.44 | 162 | 173290 | 47.34 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 11.67 | 180 | 166330 | 38.76 | ng | | 96 |
| 31) Naphthalene | 11.86 | 128 | 555372 | 40.18 | ng | | 99 |
| 32) Benzoic acid | 11.03 | 122 | 132877 | 51.28 | ng | # | 81 |
| 33) 4-Chloroaniline | 11.95 | 127 | 187258 | 30.30 | ng | | 96 |
| 34) Hexachlorobutadiene | 12.13 | 225 | 88274 | 36.68 | ng | | 97 |
| 35) Caprolactam | 12.69 | 113 | 76597 | 52.26 | ng | # | 82 |
| 36) 4-Chloro-3-methylphenol | 13.01 | 107 | 209045 | 49.07 | ng | | 90 |
| 37) 2-Methylnaphthalene | 13.41 | 142 | 416951 | 41.70 | ng | | 92 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.76 | 216 | 171730 | 37.37 | ng | # | 96 |
| 40) Hexachlorocyclopentadiene | 13.74 | 237 | 215397 | 91.97 | ng | | 92 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.99 | 196 | 135043 | 46.60 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 14.06 | 196 | 152493 | 45.46 | ng | # | 97 |
| 45) 1,1'-Biphenyl | 14.39 | 154 | 520463 | 38.47 | ng | | 96 |
| 46) 2-Chloronaphthalene | 14.44 | 162 | 394602 | 39.05 | ng | | 98 |
| 47) 2-Nitroaniline | 14.61 | 65 | 135020 | 51.96 | ng | | 91 |
| 48) Acenaphthylene | 15.27 | 152 | 659138 | 39.84 | ng | | 98 |
| 49) Dimethylphthalate | 14.97 | 163 | 535143 | 40.71 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 15.09 | 165 | 116775 | 52.62 | ng | | 88 |
| 51) Acenaphthene | 15.61 | 154 | 445000 | 43.19 | ng | | 97 |
| 52) 3-Nitroaniline | 15.42 | 138 | 107932 | 41.34 | ng | # | 84 |
| 53) 2,4-Dinitrophenol | 15.62 | 184 | 92475 | 115.23 | ng | # | 37 |
| 54) Dibenzofuran | 15.94 | 168 | 621475 | 42.36 | ng | | 95 |
| 55) 4-Nitrophenol | 15.70 | 139 | 233686 | 106.03 | ng | # | 77 |
| 56) 2,4-Dinitrotoluene | 15.87 | 165 | 163038 | 59.92 | ng | # | 82 |
| 57) Fluorene | 16.58 | 166 | 509791 | 42.10 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 16.14 | 232 | 134795m | 51.76 | ng | | |
| 59) Diethylphthalate | 16.31 | 149 | 587208 | 42.35 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 16.55 | 204 | 247410 | 41.77 | ng | | 92 |
| 61) 4-Nitroaniline | 16.58 | 138 | 143006 | 50.00 | ng | | 81 |
| 62) Azobenzene | 16.85 | 77 | 527181 | 42.50 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 16.62 | 198 | 66778 | 57.41 | ng | | 96 |
| 65) n-Nitrosodiphenylamine | 16.76 | 169 | 484615 | 40.27 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 17.45 | 248 | 152295 | 38.93 | ng | # | 90 |
| 67) Hexachlorobenzene | 17.57 | 284 | 161208 | 38.13 | ng | # | 93 |
| 68) Atrazine | 17.68 | 200 | 174216 | 43.98 | ng | | 96 |
| 69) Pentachlorophenol | 17.90 | 266 | 226311 | 84.99 | ng | | 99 |
| 70) Phenanthrene | 18.32 | 178 | 846329 | 41.01 | ng | | 98 |
| 71) Anthracene | 18.40 | 178 | 873083 | 42.14 | ng | | 99 |
| 72) Carbazole | 18.66 | 167 | 836968 | 40.98 | ng | | 96 |
| 73) Di-n-butylphthalate | 19.16 | 149 | 1031792 | 41.18 | ng | | 98 |
| 74) Fluoranthene | 20.27 | 202 | 971669 | 42.62 | ng | | 94 |
| 76) Benzidine | 20.42 | 184 | 474489 | 39.23 | ng | | 99 |
| 77) Pyrene | 20.62 | 202 | 975918 | 39.00 | ng | | 97 |
| 79) Butylbenzylphthalate | 21.49 | 149 | 487098 | 43.90 | ng | | 91 |
| 80) Benzo(a)anthracene | 22.61 | 228 | 942823 | 41.44 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 22.49 | 252 | 273482 | 32.45 | ng | # | 98 |
| 82) Chrysene | 22.69 | 228 | 888297 | 40.87 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 22.45 | 149 | 700153 | 42.63 | ng | | 96 |
| 84) Di-n-octyl phthalate | 23.88 | 149 | 1202225 | 48.03 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 30.89 | 276 | 1101091 | 43.44 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 25.22 | 252 | 958775 | 42.32 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 25.30 | 252 | 932276 | 41.40 | ng | # | 95 |
| 89) Benzo(a)pyrene | 26.26 | 252 | 925363 | 42.94 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 30.97 | 278 | 928396 | 42.80 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 32.28 | 276 | 920521 | 43.05 | ng | # | 89 |

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

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