Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042318\
Data File : BG033918.D
Acq On : 23 Apr 2018 13:22
Operator : SJ/JU
Sample : J2490-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MDP-B-3-18-20MS

**Manual Integrations APPROVED**
Sohil
4/24/2018 4:37:24 PM

Quant Time: Apr 24 03:47:38 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 19 13:56:22 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.83 | 152 | 70495 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.62 | 136 | 325027 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 14.46 | 164 | 214378 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 17.21 | 188 | 547171 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 21.47 | 240 | 554297 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 24.53 | 264 | 578567 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.44 | 112 | 657531 | 148.91 | ng | | 0.00 |
| 7) Phenol-d6 | 7.01 | 99 | 899265 | 139.63 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.98 | 82 | 557943 | 97.69 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.96 | 330 | 412918 | 165.10 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 13.09 | 172 | 1199411 | 82.19 | ng | | -0.01 |
| 78) Terphenyl-d14 | 19.85 | 244 | 1940495 | 78.65 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.42 | 88 | 69783 | 37.401 | ng | | 93 |
| 3) Pyridine | 3.80 | 79 | 204575 | 37.896 | ng | | 92 |
| 4) n-Nitrosodimethylamine | 3.72 | 42 | 112996 | 45.944 | ng | # | 90 |
| 6) Aniline | 7.17 | 93 | 189624 | 22.027 | ng | | 97 |
| 8) 2-Chlorophenol | 7.40 | 128 | 236778 | 47.857 | ng | | 97 |
| 9) Benzaldehyde | 6.98 | 77 | 121709 | 34.459 | ng | | 93 |
| 10) Phenol | 7.03 | 94 | 338833 | 51.357 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.27 | 93 | 211860 | 41.985 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.72 | 146 | 237663 | 41.728 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.87 | 146 | 242597 | 42.054 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.18 | 146 | 230063 | 41.010 | ng | | 96 |
| 15) Benzyl Alcohol | 8.07 | 79 | 237140 | 42.227 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.36 | 45 | 380692 | 38.681 | ng | | 95 |
| 17) 2-Methylphenol | 8.27 | 107 | 209708 | 42.892 | ng | | 96 |
| 18) Hexachloroethane | 8.91 | 117 | 88886 | 42.167 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.63 | 70 | 203905 | 37.143 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.59 | 107 | 294234 | 41.417 | ng | | 96 |
| 22) Acetophenone | 8.65 | 105 | 352545 | 39.852 | ng | # | 97 |
| 24) Nitrobenzene | 9.02 | 77 | 279340 | 44.884 | ng | | 96 |
| 25) Isophorone | 9.55 | 82 | 536541 | 41.785 | ng | | 96 |
| 26) 2-Nitrophenol | 9.73 | 139 | 136415 | 55.474 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 9.79 | 122 | 240393 | 52.264 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.03 | 93 | 315615 | 46.508 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.26 | 162 | 261063 | 50.914 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.48 | 180 | 243870 | 42.464 | ng | | 96 |
| 31) Naphthalene | 10.67 | 128 | 703672 | 42.100 | ng | | 99 |
| 32) Benzoic acid | 9.90 | 122 | 3257m | 5.719 | ng | | |
| 33) 4-Chloroaniline | 10.77 | 127 | 154201 | 19.628 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.96 | 225 | 151049 | 43.966 | ng | | 98 |
| 35) Caprolactam | 11.55 | 113 | 106716m | 48.952 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.90 | 107 | 290532 | 46.424 | ng | | 92 |
| 37) 2-Methylnaphthalene | 12.28 | 142 | 533590 | 41.697 | ng | | 94 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.65 | 216 | 306399 | 43.042 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.63 | 237 | 345906 | 88.373 | ng | | 92 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 12.89 | 196 | 229742 | 52.933 | ng | | 91 |
| 43) 2,4,5-Trichlorophenol | 12.96 | 196 | 254395 | 50.983 | ng | | 98 |
| 45) 1,1'-Biphenyl | 13.29 | 154 | 725245 | 41.792 | ng | | 97 |
| 46) 2-Chloronaphthalene | 13.34 | 162 | 555011 | 42.179 | ng | | 98 |
| 47) 2-Nitroaniline | 13.54 | 65 | 207409 | 50.483 | ng | | 93 |
| 48) Acenaphthylene | 14.19 | 152 | 903619 | 41.313 | ng | | 99 |
| 49) Dimethylphthalate | 13.93 | 163 | 872945 | 46.291 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.04 | 165 | 180564 | 50.525 | ng | | 87 |
| 51) Acenaphthene | 14.53 | 154 | 555753 | 40.447 | ng | | 99 |
| 52) 3-Nitroaniline | 14.36 | 138 | 104327 | 26.885 | ng | # | 84 |
| 53) 2,4-Dinitrophenol | 14.57 | 184 | 68503 | 53.599 | ng | # | 58 |
| 54) Dibenzofuran | 14.86 | 168 | 892935 | 43.835 | ng | | 95 |
| 55) 4-Nitrophenol | 14.68 | 139 | 344560 | 113.214 | ng | | 90 |
| 56) 2,4-Dinitrotoluene | 14.83 | 165 | 257659 | 54.218 | ng | | 86 |
| 57) Fluorene | 15.52 | 166 | 749830 | 42.537 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.09 | 232 | 255346 | 55.890 | ng | | 99 |
| 59) Diethylphthalate | 15.30 | 149 | 830956 | 41.688 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.52 | 204 | 402826 | 43.690 | ng | | 97 |
| 61) 4-Nitroaniline | 15.54 | 138 | 205910 | 49.976 | ng | | 92 |
| 62) Azobenzene | 15.81 | 77 | 743426 | 41.840 | ng | | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 15.59 | 198 | 112534 | 43.426 | ng | | 91 |
| 65) n-Nitrosodiphenylamine | 15.73 | 169 | 678382 | 42.644 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.41 | 248 | 261878 | 43.580 | ng | | 96 |
| 67) Hexachlorobenzene | 16.52 | 284 | 269518 | 42.057 | ng | # | 73 |
| 68) Atrazine | 16.69 | 200 | 292544 | 46.942 | ng | | 98 |
| 69) Pentachlorophenol | 16.87 | 266 | 361481 | 82.119 | ng | | 94 |
| 70) Phenanthrene | 17.26 | 178 | 1220027 | 41.563 | ng | | 97 |
| 71) Anthracene | 17.35 | 178 | 1260316 | 42.934 | ng | | 96 |
| 72) Carbazole | 17.62 | 167 | 1174041 | 41.457 | ng | | 96 |
| 73) Di-n-butylphthalate | 18.20 | 149 | 1418127 | 40.252 | ng | | 98 |
| 74) Fluoranthene | 19.28 | 202 | 1487699 | 41.898 | ng | | 95 |
| 76) Benzidine | 19.46 | 184 | 418396 | 27.953 | ng | | 99 |
| 77) Pyrene | 19.64 | 202 | 1479082 | 40.683 | ng | | 93 |
| 79) Butylbenzylphthalate | 20.56 | 149 | 675730 | 42.323 | ng | | 92 |
| 80) Benzo(a)anthracene | 21.46 | 228 | 1476052 | 42.230 | ng | | 96 |
| 81) 3,3'-Dichlorobenzidine | 21.38 | 252 | 364674 | 27.982 | ng | | 97 |
| 82) Chrysene | 21.52 | 228 | 1397836 | 41.880 | ng | | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 21.40 | 149 | 932396 | 41.352 | ng | | 97 |
| 84) Di-n-octyl phthalate | 22.57 | 149 | 1623961 | 45.376 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 28.00 | 276 | 1736574 | 45.707 | ng | # | 93 |
| 87) Benzo(b)fluoranthene | 23.57 | 252 | 1496527 | 42.400 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 23.64 | 252 | 1478955 | 42.183 | ng | | 98 |
| 89) Benzo(a)pyrene | 24.39 | 252 | 1470669 | 43.507 | ng | | 100 |
| 90) Dibenzo(a,h)anthracene | 28.07 | 278 | 1440638 | 44.045 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 29.08 | 276 | 1426133 | 44.311 | ng | | 97 |

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

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