Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060719\
Data File : BG041114.D
Acq On : 8 Jun 2019 1:35
Operator : HP/JU
Sample : PB120393BSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB120393BSD

Manual Integrations APPROVED
mohammad
6/11/2019 8:54:34 AM

Quant Time: Jun 08 18:08:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 08 17:33:39 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.11 | 152 | 39332 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.93 | 136 | 162154 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.74 | 164 | 125570 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.48 | 188 | 310283 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.76 | 240 | 306085 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.09 | 264 | 321726 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.64 | 112 | 309060 | 141.69 | ng | | 0.00 |
| 7) Phenol-d6 | 7.25 | 99 | 441488 | 131.06 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.29 | 82 | 299458 | 81.98 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.23 | 330 | 239829 | 128.65 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.36 | 172 | 726254 | 83.29 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.08 | 244 | 1268384 | 87.95 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.50 | 88 | 40130 | 40.544 | ng | | 94 |
| 3) Pyridine | 3.90 | 79 | 106986 | 36.529 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.83 | 42 | 58347 | 42.925 | ng | | 99 |
| 6) Aniline | 7.43 | 93 | 136566 | 30.372 | ng | | 99 |
| 8) 2-Chlorophenol | 7.66 | 128 | 127337 | 48.968 | ng | | 99 |
| 9) Benzaldehyde | 7.25 | 77 | 37712 | 18.767 | ng | | 93 |
| 10) Phenol | 7.28 | 94 | 175202 | 48.507 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.52 | 93 | 112360 | 42.882 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 7.99 | 146 | 125369 | 40.365 | ng | | 92 |
| 13) 1,4-Dichlorobenzene | 8.14 | 146 | 130383 | 41.473 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.46 | 146 | 130811 | 42.854 | ng | | 98 |
| 15) Benzyl Alcohol | 8.35 | 79 | 142279 | 45.659 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.63 | 45 | 173378 | 40.493 | ng | | 98 |
| 17) 2-Methylphenol | 8.54 | 107 | 125624 | 48.037 | ng | | 97 |
| 18) Hexachloroethane | 9.19 | 117 | 49598 | 40.933 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 8.91 | 70 | 110586 | 42.658 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.87 | 107 | 168193 | 46.430 | ng | | 96 |
| 22) Acetophenone | 8.94 | 105 | 204531 | 44.965 | ng | # | 97 |
| 24) Nitrobenzene | 9.33 | 77 | 170861 | 45.901 | ng | | 97 |
| 25) Isophorone | 9.84 | 82 | 317374 | 45.657 | ng | | 99 |
| 26) 2-Nitrophenol | 10.04 | 139 | 77485 | 50.494 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 10.08 | 122 | 139298 | 54.963 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.33 | 93 | 167905 | 44.754 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.57 | 162 | 156268 | 48.555 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.78 | 180 | 162341 | 44.341 | ng | | 97 |
| 31) Naphthalene | 10.98 | 128 | 399785 | 45.920 | ng | | 98 |
| 32) Benzoic acid | 10.23 | 122 | 87385 | 44.962 | ng | | 95 |
| 33) 4-Chloroaniline | 11.09 | 127 | 86696 | 21.462 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.24 | 225 | 117294 | 41.870 | ng | | 97 |
| 35) Caprolactam | 11.88 | 113 | 48676m | 45.800 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.19 | 107 | 177465 | 48.282 | ng | | 94 |
| 37) 2-Methylnaphthalene | 12.57 | 142 | 310362 | 46.286 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.79 | 142 | 294627 | 46.628 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.93 | 216 | 226043 | 44.662 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.90 | 237 | 296837 | 106.111 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 13.17 | 196 | 149261 | 45.588 | ng | | 96 |
| 44) 2,4,5-Trichlorophenol | 13.25 | 196 | 160988 | 46.623 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.58 | 154 | 424585 | 45.679 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.62 | 162 | 357776 | 44.837 | ng | | 99 |
| 48) 2-Nitroaniline | 13.83 | 65 | 126629 | 44.235 | ng | | 98 |
| 49) Acenaphthylene | 14.46 | 152 | 554912 | 46.205 | ng | | 99 |
| 50) Dimethylphthalate | 14.19 | 163 | 476587 | 44.836 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.32 | 165 | 105928 | 46.220 | ng | | 98 |
| 52) Acenaphthene | 14.80 | 154 | 323661 | 44.487 | ng | | 98 |
| 53) 3-Nitroaniline | 14.65 | 138 | 70164 | 30.616 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 14.86 | 184 | 141070 | 104.524 | ng | | 99 |
| 55) Dibenzofuran | 15.14 | 168 | 561834 | 45.894 | ng | | 99 |
| 56) 4-Nitrophenol | 14.94 | 139 | 156767 | 99.729 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 15.10 | 165 | 148404 | 45.841 | ng | # | 99 |
| 58) Fluorene | 15.78 | 166 | 442921 | 45.431 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.36 | 232 | 163859 | 48.287 | ng | | 99 |
| 60) Diethylphthalate | 15.54 | 149 | 478666 | 44.126 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.77 | 204 | 281812 | 44.472 | ng | | 96 |
| 62) 4-Nitroaniline | 15.81 | 138 | 101874 | 41.989 | ng | | 99 |
| 63) Azobenzene | 16.06 | 77 | 442592 | 44.890 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.86 | 198 | 92221 | 54.129 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 15.98 | 169 | 410118 | 47.019 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.66 | 248 | 181402 | 43.321 | ng | | 93 |
| 68) Hexachlorobenzene | 16.78 | 284 | 188535 | 42.283 | ng | | 99 |
| 69) Atrazine | 16.92 | 200 | 170226 | 50.578 | ng | | 99 |
| 70) Pentachlorophenol | 17.12 | 266 | 231368 | 95.965 | ng | | 97 |
| 71) Phenanthrene | 17.52 | 178 | 750217 | 46.418 | ng | | 98 |
| 72) Anthracene | 17.62 | 178 | 764847 | 47.982 | ng | | 99 |
| 73) Carbazole | 17.89 | 167 | 659410 | 48.212 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.42 | 149 | 771403 | 45.378 | ng | | 100 |
| 75) Fluoranthene | 19.53 | 202 | 958304 | 48.004 | ng | | 99 |
| 77) Benzidine | 19.71 | 184 | 381302 | 52.221 | ng | | 99 |
| 78) Pyrene | 19.89 | 202 | 959969 | 48.246 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.76 | 149 | 356826 | 46.082 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.74 | 228 | 923162 | 45.309 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.65 | 252 | 212377 | 29.635 | ng | | 99 |
| 83) Chrysene | 21.81 | 228 | 909104 | 46.626 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.61 | 149 | 502664 | 46.115 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.85 | 149 | 840751 | 46.312 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 28.92 | 276 | 1104691 | 46.251 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 24.02 | 252 | 949639 | 48.665 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.09 | 252 | 908888 | 47.068 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.93 | 252 | 917745 | 49.295 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.98 | 278 | 903598 | 48.573 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.11 | 276 | 910314 | 50.368 | ng | | 98 |

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

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