Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081719\
Data File : BG042281.D
Acq On : 17 Aug 2019 9:03
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Jagrut
8/19/2019 2:19:40 PM

Quant Time: Aug 19 06:35:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG072719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 08:57:26 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.01 | 152 | 54197 | 20.00 | ng | | -0.04 |
| 21) Naphthalene-d8 | 10.83 | 136 | 228724 | 20.00 | ng | | -0.04 |
| 39) Acenaphthene-d10 | 14.67 | 164 | 171130 | 20.00 | ng | | -0.04 |
| 64) Phenanthrene-d10 | 17.42 | 188 | 397125 | 20.00 | ng | | -0.04 |
| 76) Chrysene-d12 | 21.70 | 240 | 409568 | 20.00 | ng | | -0.04 |
| 87) Perylene-d12 | 24.94 | 264 | 493696 | 20.00 | ng | | -0.07 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.56 | 112 | 232035 | 83.30 | ng | | -0.03 |
| 7) Phenol-d6 | 7.17 | 99 | 308489 | 82.14 | ng | | -0.03 |
| 23) Nitrobenzene-d5 | 9.17 | 82 | 272093 | 81.86 | ng | | -0.04 |
| 42) 2,4,6-Tribromophenol | 16.16 | 330 | 192236 | 98.90 | ng | | -0.03 |
| 45) 2-Fluorobiphenyl | 13.29 | 172 | 842935 | 86.88 | ng | | -0.04 |
| 79) Terphenyl-d14 | 20.03 | 244 | 1520431 | 84.95 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.43 | 88 | 48542 | 37.024 | ng | # | 78 |
| 3) Pyridine | 3.83 | 79 | 125949 | 35.031 | ng | # | 76 |
| 4) n-Nitrosodimethylamine | 3.75 | 42 | 41189 | 28.899 | ng | # | 63 |
| 6) Aniline | 7.32 | 93 | 193033 | 36.504 | ng | | 91 |
| 8) 2-Chlorophenol | 7.57 | 128 | 139545 | 43.748 | ng | | 86 |
| 9) Benzaldehyde | 7.14 | 77 | 83290 | 31.520 | ng | | 86 |
| 10) Phenol | 7.19 | 94 | 158884 | 40.667 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.42 | 93 | 124256 | 38.686 | ng | | 88 |
| 12) 1,3-Dichlorobenzene | 7.90 | 146 | 170794m | 41.026 | ng | | |
| 13) 1,4-Dichlorobenzene | 8.05 | 146 | 173655 | 41.687 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 8.37 | 146 | 165805 | 41.713 | ng | | 92 |
| 15) Benzyl Alcohol | 8.25 | 79 | 103203 | 34.931 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.54 | 45 | 163847 | 28.673 | ng | | 89 |
| 17) 2-Methylphenol | 8.45 | 107 | 112654 | 39.648 | ng | | 97 |
| 18) Hexachloroethane | 9.10 | 117 | 58686 | 41.140 | ng | | 89 |
| 19) n-Nitroso-di-n-propylamine | 8.82 | 70 | 98063 | 35.967 | ng | # | 80 |
| 20) 3+4-Methylphenols | 8.79 | 107 | 159764 | 41.089 | ng | | 97 |
| 22) Acetophenone | 8.83 | 105 | 201971 | 39.478 | ng | # | 87 |
| 24) Nitrobenzene | 9.22 | 77 | 137606 | 39.299 | ng | | 89 |
| 25) Isophorone | 9.74 | 82 | 271620 | 37.567 | ng | | 96 |
| 26) 2-Nitrophenol | 9.94 | 139 | 87525 | 53.858 | ng | # | 87 |
| 27) 2,4-Dimethylphenol | 10.00 | 122 | 115307 | 40.202 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.23 | 93 | 173428 | 38.384 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.48 | 162 | 158767 | 45.455 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.70 | 180 | 186786 | 42.171 | ng | | 98 |
| 31) Naphthalene | 10.88 | 128 | 447148 | 42.716 | ng | | 96 |
| 32) Benzoic acid | 10.13 | 122 | 65472 | 34.871 | ng | | 95 |
| 33) 4-Chloroaniline | 10.98 | 127 | 201183 | 40.526 | ng | # | 92 |
| 34) Hexachlorobutadiene | 11.17 | 225 | 123368 | 41.269 | ng | | 98 |
| 35) Caprolactam | 11.76 | 113 | 53969 | 44.461 | ng | # | 51 |
| 36) 4-Chloro-3-methylphenol | 12.12 | 107 | 152145 | 43.936 | ng | | 94 |
| 37) 2-Methylnaphthalene | 12.49 | 142 | 359638 | 43.404 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.71 | 142 | 344838 | 43.916 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.86 | 216 | 220820 | 40.764 | ng | # | 97 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.84 | 237 | 103505 | 33.985 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.10 | 196 | 139586 | 40.770 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 13.18 | 196 | 151148 | 42.482 | ng | # | 92 |
| 46) 1,1'-Biphenyl | 13.50 | 154 | 460668 | 41.876 | ng | | 95 |
| 47) 2-Chloronaphthalene | 13.55 | 162 | 388370 | 41.466 | ng | | 95 |
| 48) 2-Nitroaniline | 13.74 | 65 | 94477 | 39.773 | ng | # | 73 |
| 49) Acenaphthylene | 14.39 | 152 | 613411 | 43.784 | ng | | 97 |
| 50) Dimethylphthalate | 14.12 | 163 | 514374 | 44.011 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.23 | 165 | 122524 | 50.135 | ng | # | 79 |
| 52) Acenaphthene | 14.73 | 154 | 365332 | 40.094 | ng | | 98 |
| 53) 3-Nitroaniline | 14.57 | 138 | 119993 | 45.895 | ng | # | 80 |
| 54) 2,4-Dinitrophenol | 14.78 | 184 | 52227 | 43.192 | ng | # | 80 |
| 55) Dibenzofuran | 15.07 | 168 | 611977 | 43.909 | ng | | 92 |
| 56) 4-Nitrophenol | 14.88 | 139 | 88533 | 44.610 | ng | # | 84 |
| 57) 2,4-Dinitrotoluene | 15.03 | 165 | 175066 | 52.090 | ng | # | 83 |
| 58) Fluorene | 15.72 | 166 | 499469 | 44.656 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.30 | 232 | 140881 | 39.980 | ng | # | 91 |
| 60) Diethylphthalate | 15.48 | 149 | 501572 | 43.713 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.71 | 204 | 291744 | 42.727 | ng | | 94 |
| 62) 4-Nitroaniline | 15.73 | 138 | 128495 | 45.375 | ng | | 92 |
| 63) Azobenzene | 16.00 | 77 | 349097 | 37.244 | ng | | 87 |
| 65) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 92143 | 47.491 | ng | | 80 |
| 66) n-Nitrosodiphenylamine | 15.92 | 169 | 460163 | 42.539 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 16.61 | 248 | 203377 | 41.575 | ng | | 94 |
| 68) Hexachlorobenzene | 16.73 | 284 | 217342 | 42.469 | ng | # | 90 |
| 69) Atrazine | 16.87 | 200 | 39827 | 9.371 | ng | | 100 |
| 70) Pentachlorophenol | 17.08 | 266 | 101492 | 34.910 | ng | | 99 |
| 71) Phenanthrene | 17.47 | 178 | 840133 | 44.135 | ng | | 94 |
| 72) Anthracene | 17.55 | 178 | 845466 | 44.534 | ng | | 94 |
| 73) Carbazole | 17.82 | 167 | 763856 | 44.829 | ng | # | 93 |
| 74) Di-n-butylphthalate | 18.38 | 149 | 894750 | 46.318 | ng | # | 94 |
| 75) Fluoranthene | 19.47 | 202 | 1060532 | 45.835 | ng | | 90 |
| 77) Benzidine | 19.65 | 184 | 464804 | 34.769 | ng | | 98 |
| 78) Pyrene | 19.84 | 202 | 1059719 | 43.670 | ng | | 91 |
| 80) Butylbenzylphthalate | 20.72 | 149 | 419277 | 45.065 | ng | # | 84 |
| 81) Benzo(a)anthracene | 21.68 | 228 | 1062957 | 43.866 | ng | | 93 |
| 82) 3,3'-Dichlorobenzidine | 21.59 | 252 | 410337 | 42.177 | ng | | 96 |
| 83) Chrysene | 21.75 | 228 | 1026301 | 44.184 | ng | | 92 |
| 84) Bis(2-ethylhexyl)phthalate | 21.58 | 149 | 582480 | 45.387 | ng | | 96 |
| 85) Di-n-octyl phthalate | 22.81 | 149 | 992720 | 45.963 | ng | # | 86 |
| 86) Indeno(1,2,3-cd)pyrene | 28.66 | 276 | 1334936 | 43.415 | ng | # | 94 |
| 88) Benzo(b)fluoranthene | 23.92 | 252 | 1149768 | 42.572 | ng | # | 96 |
| 89) Benzo(k)fluoranthene | 23.99 | 252 | 1084532 | 41.225 | ng | # | 96 |
| 90) Benzo(a)pyrene | 24.80 | 252 | 1084354 | 41.864 | ng | # | 95 |
| 91) Dibenzo(a,h)anthracene | 28.73 | 278 | 1078945 | 42.422 | ng | # | 96 |
| 92) Benzo(g,h,i)perylene | 29.82 | 276 | 1086158 | 42.745 | ng | # | 93 |

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

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