Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070620\
Data File : BG045945.D
Acq On : 6 Jul 2020 18:20
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTDICC010

**Manual Integrations APPROVED**
mohammad
7/7/2020 12:03:22 PM

Quant Time: Jul 07 01:23:39 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 07 00:57:59 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.01 | 152 | 128581 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.81 | 136 | 521798 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.63 | 164 | 314743 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.37 | 188 | 651102 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.63 | 240 | 635331 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.79 | 264 | 674769 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.58 | 112 | 165353 | 21.72 | ng | | 0.00 |
| 7) Phenol-d6 | 7.16 | 99 | 239555 | 20.69 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.16 | 82 | 165398 | 14.48 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.11 | 330 | 52710 | 11.09 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.26 | 172 | 426585 | 19.92 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.99 | 244 | 621714 | 19.83 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 35220 | 10.103 | ng | # | 87 |
| 3) Pyridine | 3.90 | 79 | 110255 | 10.672 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.82 | 42 | 35267 | 10.170 | ng | # | 92 |
| 6) Aniline | 7.33 | 93 | 151967 | 11.147 | ng | | 98 |
| 8) 2-Chlorophenol | 7.57 | 128 | 87606 | 10.752 | ng | | 99 |
| 9) Benzaldehyde | 7.14 | 77 | 82512 | 11.865 | ng | | 95 |
| 10) Phenol | 7.19 | 94 | 118960 | 10.604 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.43 | 93 | 99719 | 11.703 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 7.90 | 146 | 103119 | 10.620 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.05 | 146 | 99690 | 10.279 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.36 | 146 | 98779 | 10.639 | ng | | 98 |
| 15) Benzyl Alcohol | 8.24 | 79 | 89396 | 9.977 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.54 | 45 | 127484 | 15.874 | ng | | 97 |
| 17) 2-Methylphenol | 8.44 | 107 | 90984 | 10.898 | ng | | 93 |
| 18) Hexachloroethane | 9.10 | 117 | 37865 | 10.280 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 8.81 | 70 | 79576 | 10.454 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.77 | 107 | 120654 | 10.988 | ng | | 95 |
| 22) Acetophenone | 8.82 | 105 | 137517 | 9.602 | ng | | 98 |
| 24) Nitrobenzene | 9.20 | 77 | 90298 | 7.414 | ng | | 97 |
| 25) Isophorone | 9.73 | 82 | 219909 | 9.945 | ng | | 99 |
| 26) 2-Nitrophenol | 9.91 | 139 | 26860 | 5.294 | ng | # | 92 |
| 27) 2,4-Dimethylphenol | 9.97 | 122 | 80160 | 10.348 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.21 | 93 | 123239 | 10.670 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.45 | 162 | 77517 | 8.577 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.67 | 180 | 91261 | 8.530 | ng | | 99 |
| 31) Naphthalene | 10.85 | 128 | 290859 | 10.196 | ng | | 97 |
| 32) Benzoic acid | 10.04 | 122 | 25013m | 5.647 | ng | | |
| 33) 4-Chloroaniline | 10.95 | 127 | 123420 | 10.331 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.16 | 225 | 51265 | 6.737 | ng | | 97 |
| 35) Caprolactam | 11.69 | 113 | 29540 | 10.100 | ng | # | 85 |
| 36) 4-Chloro-3-methylphenol | 12.07 | 107 | 89169 | 8.545 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.46 | 142 | 201571 | 9.489 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.68 | 142 | 187325 | 9.319 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.83 | 216 | 87664 | 8.459 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.82 | 237 | 50366 | 10.709 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.06 | 196 | 56621 | 8.058 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 13.13 | 196 | 61957 | 7.737 | ng | | 94 |
| 46) 1,1'-Biphenyl | 13.47 | 154 | 238919 | 10.603 | ng | | 96 |
| 47) 2-Chloronaphthalene | 13.51 | 162 | 190707 | 10.477 | ng | | 98 |
| 48) 2-Nitroaniline | 13.69 | 65 | 33781 | 5.579 | ng | | 96 |
| 49) Acenaphthylene | 14.35 | 152 | 311425 | 10.681 | ng | | 96 |
| 50) Dimethylphthalate | 14.08 | 163 | 238052 | 9.655 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.19 | 165 | 28055 | 5.066 | ng | | 98 |
| 52) Acenaphthene | 14.70 | 154 | 185424 | 10.492 | ng | | 96 |
| 53) 3-Nitroaniline | 14.51 | 138 | 35879 | 6.486 | ng | # | 93 |
| 54) 2,4-Dinitrophenol | 14.72 | 184 | 8868 | 3.709 | ng | # | 51 |
| 55) Dibenzofuran | 15.02 | 168 | 288327 | 10.043 | ng | | 98 |
| 56) 4-Nitrophenol | 14.81 | 139 | 28616 | 8.029 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 14.98 | 165 | 34206 | 4.311 | ng | # | 95 |
| 58) Fluorene | 15.68 | 166 | 234965 | 9.842 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.25 | 232 | 47396m | 6.819 | ng | | |
| 60) Diethylphthalate | 15.45 | 149 | 248246 | 9.849 | ng | | 97 |
| 61) 4-Chlorophenyl-phenylether | 15.67 | 204 | 113870 | 8.276 | ng | | 99 |
| 62) 4-Nitroaniline | 15.68 | 138 | 39158 | 6.898 | ng | | 90 |
| 63) Azobenzene | 15.96 | 77 | 269857 | 11.150 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 15.74 | 198 | 12311 | 3.060 | ng | | 90 |
| 66) n-Nitrosodiphenylamine | 15.88 | 169 | 202963 | 11.006 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.56 | 248 | 69946 | 8.268 | ng | | 97 |
| 68) Hexachlorobenzene | 16.69 | 284 | 72512 | 8.266 | ng | | 96 |
| 69) Atrazine | 16.83 | 200 | 67296 | 9.404 | ng | | 98 |
| 70) Pentachlorophenol | 17.02 | 266 | 35429 | 9.838 | ng | | 98 |
| 71) Phenanthrene | 17.42 | 178 | 356612 | 10.620 | ng | | 98 |
| 72) Anthracene | 17.50 | 178 | 365955 | 10.944 | ng | | 97 |
| 73) Carbazole | 17.77 | 167 | 362722 | 11.392 | ng | | 97 |
| 74) Di-n-butylphthalate | 18.35 | 149 | 457411 | 12.133 | ng | | 96 |
| 75) Fluoranthene | 19.42 | 202 | 425356 | 10.301 | ng | | 95 |
| 77) Benzidine | 19.59 | 184 | 199723 | 12.092 | ng | | 99 |
| 78) Pyrene | 19.78 | 202 | 435646 | 10.240 | ng | | 94 |
| 80) Butylbenzylphthalate | 20.68 | 149 | 199862 | 11.223 | ng | | 95 |
| 81) Benzo(a)anthracene | 21.61 | 228 | 430492 | 10.451 | ng | | 94 |
| 82) 3,3'-Dichlorobenzidine | 21.53 | 252 | 157120 | 10.084 | ng | | 99 |
| 83) Chrysene | 21.67 | 228 | 403397 | 10.125 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phthalate | 21.56 | 149 | 299411 | 12.088 | ng | | 97 |
| 85) Di-n-octyl phthalate | 22.76 | 149 | 502858 | 11.769 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.36 | 276 | 460858 | 9.421 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 23.79 | 252 | 421901 | 9.972 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.85 | 252 | 399452 | 9.865 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.64 | 252 | 391842 | 9.915 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.44 | 278 | 382550 | 9.752 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 29.47 | 276 | 374163 | 9.530 | ng | | 99 |

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

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