Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
Data File : BF119116.D
Acq On : 27 Feb 2020 18:12
Operator : CG/JU
Sample : L1688-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GP-02-022420MS

Manual Integrations APPROVED
mohammad
2/28/2020 2:41:40 PM

Quant Time: Feb 28 04:11:23 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 26 16:03:05 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.75 | 152 | 146028 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.03 | 136 | 542837 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.78 | 164 | 289530 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.26 | 188 | 501604 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.90 | 240 | 322127 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.33 | 264 | 352977 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.37 | 112 | 878938 | 100.59 | ng | | 0.00 |
| 7) Phenol-d6 | 6.40 | 99 | 1055662 | 99.34 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.31 | 82 | 702749 | 68.35 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.57 | 330 | 337352 | 89.07 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.10 | 172 | 1319663 | 67.15 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.85 | 244 | 1374790 | 73.48 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.49 | 88 | 157604 | 40.510 | ng | | 99 |
| 3) Pyridine | 3.22 | 79 | 398649 | 37.520 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.16 | 42 | 162057 | 50.350 | ng | | 96 |
| 6) Aniline | 6.41 | 93 | 421515 | 32.145 | ng | | 89 |
| 8) 2-Chlorophenol | 6.54 | 128 | 485877 | 51.525 | ng | | 97 |
| 9) Benzaldehyde | 6.29 | 77 | 196477 | 27.672 | ng | | 99 |
| 10) Phenol | 6.41 | 94 | 554194 | 48.234 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.48 | 93 | 432993 | 49.252 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.69 | 146 | 526239 | 46.560 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.76 | 146 | 533338 | 47.156 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.92 | 146 | 490775 | 47.579 | ng | | 99 |
| 15) Benzyl Alcohol | 6.90 | 79 | 389292 | 50.685 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.03 | 45 | 346798 | 45.539 | ng | | 97 |
| 17) 2-Methylphenol | 7.02 | 107 | 375785 | 49.152 | ng | | 100 |
| 18) Hexachloroethane | 7.26 | 117 | 185561 | 45.858 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.17 | 70 | 306349 | 49.472 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.17 | 107 | 466156 | 49.767 | ng | | 95 |
| 22) Acetophenone | 7.16 | 105 | 623716 | 49.660 | ng | # | 96 |
| 24) Nitrobenzene | 7.33 | 77 | 487216 | 47.922 | ng | | 99 |
| 25) Isophorone | 7.57 | 82 | 863636 | 48.369 | ng | | 100 |
| 26) 2-Nitrophenol | 7.65 | 139 | 259220 | 48.121 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.69 | 122 | 395057 | 54.036 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.78 | 93 | 525609 | 45.226 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.90 | 162 | 401776 | 46.681 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.97 | 180 | 456624 | 44.747 | ng | | 99 |
| 31) Naphthalene | 8.05 | 128 | 1333163 | 47.355 | ng | | 98 |
| 32) Benzoic acid | 7.85 | 122 | 241517 | 45.653 | ng | | 99 |
| 33) 4-Chloroaniline | 8.10 | 127 | 171690 | 14.179 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.17 | 225 | 279609 | 43.989 | ng | | 98 |
| 35) Caprolactam | 8.48 | 113 | 124579m | 47.008 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.60 | 107 | 417418 | 47.922 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.74 | 142 | 903057 | 47.665 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.84 | 142 | 849749 | 47.692 | ng | | 97 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.91 | 216 | 453489 | 46.456 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.90 | 237 | 238173 | 68.553 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.03 | 196 | 287205 | 46.590 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.07 | 196 | 301438 | 46.599 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.20 | 154 | 1081958 | 46.238 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.23 | 162 | 862995 | 45.766 | ng | | 98 |
| 48) 2-Nitroaniline | 9.33 | 65 | 235891 | 44.850 | ng | | 98 |
| 49) Acenaphthylene | 9.65 | 152 | 1299210 | 47.704 | ng | | 100 |
| 50) Dimethylphthalate | 9.51 | 163 | 1111978 | 50.225 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.57 | 165 | 233595 | 47.490 | ng | | 98 |
| 52) Acenaphthene | 9.82 | 154 | 766184 | 46.655 | ng | | 99 |
| 53) 3-Nitroaniline | 9.74 | 138 | 111540 | 20.454 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.86 | 184 | 129066 | 56.418 | ng | # | 91 |
| 55) Dibenzofuran | 9.99 | 168 | 1151197 | 46.965 | ng | | 99 |
| 56) 4-Nitrophenol | 9.92 | 139 | 267071 | 81.515 | ng | | 92 |
| 57) 2,4-Dinitrotoluene | 9.98 | 165 | 289370 | 45.386 | ng | | 96 |
| 58) Fluorene | 10.33 | 166 | 899894 | 47.246 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.12 | 232 | 253059 | 46.362 | ng | | 98 |
| 60) Diethylphthalate | 10.20 | 149 | 990228 | 47.461 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.32 | 204 | 472486 | 46.865 | ng | | 94 |
| 62) 4-Nitroaniline | 10.36 | 138 | 198427 | 35.566 | ng | | 98 |
| 63) Azobenzene | 10.48 | 77 | 866304 | 47.769 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.39 | 198 | 119488 | 39.366 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 10.44 | 169 | 815447 | 49.649 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.81 | 248 | 308776 | 47.094 | ng | | 94 |
| 68) Hexachlorobenzene | 10.88 | 284 | 345862 | 45.752 | ng | | 96 |
| 69) Atrazine | 10.97 | 200 | 287642 | 50.125 | ng | | 98 |
| 70) Pentachlorophenol | 11.08 | 266 | 259842 | 85.331 | ng | | 100 |
| 71) Phenanthrene | 11.29 | 178 | 1296946 | 47.412 | ng | | 99 |
| 72) Anthracene | 11.35 | 178 | 1342885 | 49.132 | ng | | 98 |
| 73) Carbazole | 11.50 | 167 | 1146850 | 47.099 | ng | | 98 |
| 74) Di-n-butylphthalate | 11.83 | 149 | 1466675 | 49.739 | ng | | 98 |
| 75) Fluoranthene | 12.47 | 202 | 1306384 | 44.991 | ng | | 99 |
| 77) Benzidine | 12.60 | 184 | 593430 | 45.298 | ng | | 98 |
| 78) Pyrene | 12.70 | 202 | 1281179 | 49.531 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.32 | 149 | 561062 | 51.538 | ng | | 95 |
| 81) Benzo(a)anthracene | 13.89 | 228 | 1071409 | 48.814 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.85 | 252 | 373945 | 43.876 | ng | | 99 |
| 83) Chrysene | 13.93 | 228 | 1053855 | 48.187 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.88 | 149 | 769113 | 55.921 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.49 | 149 | 1253636 | 57.209 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.74 | 276 | 1264022 | 59.691 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 14.92 | 252 | 1049801 | 45.121 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 14.95 | 252 | 1069090 | 49.584 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.27 | 252 | 982293 | 46.779 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.74 | 278 | 1068766 | 57.846 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 17.16 | 276 | 1070326 | 58.631 | ng | | 100 |

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

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