Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051120\
Data File : BG045316.D
Acq On : 12 May 2020 5:23
Operator : CG/JU
Sample : L2557-02MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TP-12AMSD

**Manual Integrations APPROVED**
mohammad
5/13/2020 8:15:26 AM

Quant Time: May 12 06:08:21 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 11 13:27:41 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.97 | 152 | 76444 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.79 | 136 | 316265 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.62 | 164 | 231908 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.37 | 188 | 562111 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.63 | 240 | 511832 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 24.80 | 264 | 583219 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.55 | 112 | 366855 | 79.23 | ng | 0.00 |
| 7) Phenol-d6 | 7.14 | 99 | 523019 | 76.03 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.13 | 82 | 328391 | 47.38 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.11 | 330 | 258351 | 72.11 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.24 | 172 | 782209 | 49.46 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.98 | 244 | 1385972 | 59.02 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.43 | 88 | 72599 | 35.28 | ng | 96 |
| 3) Pyridine | 3.82 | 79 | 172695 | 27.26 | ng | 94 |
| 4) n-Nitrosodimethylamine | 3.74 | 42 | 79835 | 41.13 | ng | 90 |
| 6) Aniline | 7.30 | 93 | 273198 | 30.54 | ng | 97 |
| 8) 2-Chlorophenol | 7.54 | 128 | 219031 | 44.01 | ng | 98 |
| 9) Benzaldehyde | 7.10 | 77 | 164139 | 43.36 | ng | 98 |
| 10) Phenol | 7.17 | 94 | 296215 | 43.03 | ng | 96 |
| 11) bis(2-Chloroethyl)ether | 7.39 | 93 | 201774 | 36.81 | ng | 96 |
| 12) 1,3-Dichlorobenzene | 7.87 | 146 | 230668 | 39.34 | ng | 96 |
| 13) 1,4-Dichlorobenzene | 8.01 | 146 | 232373 | 39.77 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 8.33 | 146 | 218176 | 39.03 | ng | 93 |
| 15) Benzyl Alcohol | 8.21 | 79 | 223562 | 38.76 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.51 | 45 | 180131 | 33.48 | ng | 96 |
| 17) 2-Methylphenol | 8.42 | 107 | 196048 | 36.91 | ng | 96 |
| 18) Hexachloroethane | 9.07 | 117 | 87528 | 39.85 | ng | 99 |
| 19) n-Nitroso-di-n-propylamine | 8.78 | 70 | 171438 | 35.24 | ng | 98 |
| 20) 3+4-Methylphenols | 8.75 | 107 | 290531 | 39.08 | ng | 97 |
| 22) Acetophenone | 8.79 | 105 | 328488 | 38.41 | ng | 98 |
| 24) Nitrobenzene | 9.18 | 77 | 271830 | 38.26 | ng | 95 |
| 25) Isophorone | 9.70 | 82 | 489190 | 34.46 | ng | 98 |
| 26) 2-Nitrophenol | 9.89 | 139 | 122149 | 39.91 | ng | 96 |
| 27) 2,4-Dimethylphenol | 9.96 | 122 | 204881 | 42.19 | ng | 95 |
| 28) bis(2-Chloroethoxy)methane | 10.19 | 93 | 270769 | 36.31 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.43 | 162 | 228265 | 40.71 | ng | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.65 | 180 | 247878 | 39.05 | ng | 98 |
| 31) Naphthalene | 10.83 | 128 | 659787 | 38.14 | ng | 98 |
| 32) Benzoic acid | 10.12 | 122 | 122276 | 33.41 | ng | 96 |
| 33) 4-Chloroaniline | 10.94 | 127 | 166669 | 20.66 | ng | 98 |
| 34) Hexachlorobutadiene | 11.13 | 225 | 161085 | 37.01 | ng | 98 |
| 35) Caprolactam | 11.71 | 113 | 82370m | 36.91 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.07 | 107 | 259377 | 39.38 | ng | 97 |
| 37) 2-Methylnaphthalene | 12.44 | 142 | 506621 | 37.73 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.66 | 142 | 484568m | 38.22 | ng | |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.81 | 216 | 285752 | 38.27 | ng | 99 |

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Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.80 | 237 | 332694 | 71.29 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 13.05 | 196 | 208631 | 39.59 | ng | | 95 |
| 44) 2,4,5-Trichlorophenol | 13.12 | 196 | 217213 | 36.21 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.45 | 154 | 646560 | 36.68 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.49 | 162 | 504048 | 37.42 | ng | | 99 |
| 48) 2-Nitroaniline | 13.69 | 65 | 165542 | 37.36 | ng | | 96 |
| 49) Acenaphthylene | 14.34 | 152 | 837515 | 38.18 | ng | | 100 |
| 50) Dimethylphthalate | 14.08 | 163 | 751191 | 39.78 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.19 | 165 | 157327 | 37.25 | ng | | 97 |
| 52) Acenaphthene | 14.69 | 154 | 627062m | 42.25 | ng | | |
| 53) 3-Nitroaniline | 14.52 | 138 | 113984 | 24.61 | ng | | 90 |
| 54) 2,4-Dinitrophenol | 14.73 | 184 | 190980 | 76.04 | ng | | 93 |
| 55) Dibenzofuran | 15.02 | 168 | 810676 | 37.46 | ng | | 96 |
| 56) 4-Nitrophenol | 14.84 | 139 | 276922 | 77.10 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 14.98 | 165 | 233388 | 37.81 | ng | | 93 |
| 58) Fluorene | 15.67 | 166 | 677488 | 38.33 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.25 | 232 | 214755 | 40.24 | ng | | 99 |
| 60) Diethylphthalate | 15.44 | 149 | 708533 | 35.99 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 15.66 | 204 | 369857 | 36.35 | ng | | 99 |
| 62) 4-Nitroaniline | 15.69 | 138 | 159801 | 33.26 | ng | | 89 |
| 63) Azobenzene | 15.96 | 77 | 683109 | 37.63 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.75 | 198 | 143997 | 38.97 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.87 | 169 | 600315 | 37.17 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.55 | 248 | 264672 | 36.50 | ng | | 98 |
| 68) Hexachlorobenzene | 16.68 | 284 | 290170 | 38.58 | ng | | 95 |
| 69) Atrazine | 16.83 | 200 | 236572 | 39.59 | ng | | 96 |
| 70) Pentachlorophenol | 17.02 | 266 | 345137 | 74.81 | ng | | 100 |
| 71) Phenanthrene | 17.41 | 178 | 1106190 | 38.30 | ng | | 99 |
| 72) Anthracene | 17.50 | 178 | 1136239 | 39.21 | ng | | 99 |
| 73) Carbazole | 17.77 | 167 | 1053876 | 35.84 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.33 | 149 | 1231034 | 37.44 | ng | | 99 |
| 75) Fluoranthene | 19.42 | 202 | 1362837 | 39.37 | ng | | 98 |
| 77) Benzidine | 19.60 | 184 | 887803 | 62.16 | ng | | 97 |
| 78) Pyrene | 19.78 | 202 | 1358019 | 38.49 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.67 | 149 | 557364 | 38.11 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.61 | 228 | 1290101 | 38.89 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.52 | 252 | 323537 | 24.50 | ng | | 96 |
| 83) Chrysene | 21.68 | 228 | 1242482 | 38.98 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.53 | 149 | 776879 | 38.62 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.72 | 149 | 1326532 | 38.13 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 28.40 | 276 | 1655705 | 39.12 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 23.80 | 252 | 1368798 | 37.47 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 23.86 | 252 | 1342652 | 38.65 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.65 | 252 | 1271973 | 36.88 | ng | # | 98 |
| 91) Dibenzo(a,h)anthracene | 28.46 | 278 | 1346592 | 38.74 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 29.52 | 276 | 1380790 | 39.63 | ng | | 97 |

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

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