Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041019\
Data File : BG040434.D
Acq On : 11 Apr 2019 5:05
Operator : JU/SJ
Sample : PB118790BS
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB118790BS

**Manual Integrations APPROVED**
Sohil
4/11/2019 2:46:48 PM

Quant Time: Apr 11 07:10:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 28 05:47:00 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.04 | 152 | 63719 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 10.86 | 136 | 264626 | 20.00 | ng | | -0.03 |
| 39) Acenaphthene-d10 | 14.68 | 164 | 169429 | 20.00 | ng | | -0.03 |
| 64) Phenanthrene-d10 | 17.42 | 188 | 451179 | 20.00 | ng | | -0.03 |
| 76) Chrysene-d12 | 21.70 | 240 | 442361 | 20.00 | ng | | -0.03 |
| 87) Perylene-d12 | 24.98 | 264 | 438249 | 20.00 | ng | | -0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 530654 | 138.45 | ng | | -0.01 |
| 7) Phenol-d6 | 7.21 | 99 | 717106 | 135.38 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.22 | 82 | 432574 | 86.89 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 16.17 | 330 | 280778 | 153.34 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 13.30 | 172 | 960640 | 84.01 | ng | | -0.03 |
| 79) Terphenyl-d14 | 20.02 | 244 | 1624149 | 82.60 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.49 | 88 | 68151 | 37.813 | ng | | 96 |
| 3) Pyridine | 3.89 | 79 | 160631 | 33.102 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.81 | 42 | 86670 | 38.612 | ng | # | 97 |
| 6) Aniline | 7.37 | 93 | 204616 | 29.731 | ng | | 97 |
| 8) 2-Chlorophenol | 7.61 | 128 | 185419 | 41.325 | ng | | 97 |
| 9) Benzaldehyde | 7.19 | 77 | 86452 | 23.793 | ng | | 98 |
| 10) Phenol | 7.23 | 94 | 239621 | 41.676 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.47 | 93 | 175263 | 38.058 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.93 | 146 | 185132 | 37.957 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.08 | 146 | 188211 | 38.744 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.40 | 146 | 178581 | 38.441 | ng | | 98 |
| 15) Benzyl Alcohol | 8.29 | 79 | 165426 | 38.777 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.57 | 45 | 329819 | 37.318 | ng | | 99 |
| 17) 2-Methylphenol | 8.48 | 107 | 168000 | 42.226 | ng | | 98 |
| 18) Hexachloroethane | 9.12 | 117 | 67818 | 36.702 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.85 | 70 | 137203 | 36.126 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.81 | 107 | 225981 | 41.927 | ng | | 98 |
| 22) Acetophenone | 8.88 | 105 | 270329 | 40.952 | ng | # | 96 |
| 24) Nitrobenzene | 9.27 | 77 | 206075 | 39.973 | ng | | 98 |
| 25) Isophorone | 9.78 | 82 | 396379 | 38.695 | ng | | 98 |
| 26) 2-Nitrophenol | 9.97 | 139 | 100990 | 41.341 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 10.02 | 122 | 180618 | 46.548 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93 | 233547 | 38.536 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.51 | 162 | 185232 | 43.979 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.72 | 180 | 189353 | 40.944 | ng | | 99 |
| 31) Naphthalene | 10.91 | 128 | 555771 | 40.974 | ng | | 99 |
| 32) Benzoic acid | 10.17 | 122 | 79710 | 34.000 | ng | | 92 |
| 33) 4-Chloroaniline | 11.03 | 127 | 151231 | 26.138 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.17 | 225 | 109939 | 37.170 | ng | | 100 |
| 35) Caprolactam | 11.82 | 113 | 71750m | 42.928 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.14 | 107 | 216697 | 44.754 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.51 | 142 | 414500 | 41.319 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.73 | 142 | 395009 | 40.606 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.87 | 216 | 209503 | 38.905 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.84 | 237 | 229467 | 77.607 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.11 | 196 | 155897 | 44.902 | ng | | 96 |
| 44) 2,4,5-Trichlorophenol | 13.19 | 196 | 168650 | 44.566 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.51 | 154 | 534275 | 39.910 | ng | | 97 |
| 47) 2-Chloronaphthalene | 13.56 | 162 | 415570 | 40.469 | ng | | 99 |
| 48) 2-Nitroaniline | 13.77 | 65 | 152901 | 44.143 | ng | | 99 |
| 49) Acenaphthylene | 14.40 | 152 | 702974 | 40.376 | ng | | 99 |
| 50) Dimethylphthalate | 14.13 | 163 | 559075 | 42.162 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.26 | 165 | 130952 | 43.982 | ng | | 97 |
| 52) Acenaphthene | 14.74 | 154 | 409134 | 41.010 | ng | | 98 |
| 53) 3-Nitroaniline | 14.59 | 138 | 104621 | 33.196 | ng | | 94 |
| 54) 2,4-Dinitrophenol | 14.81 | 184 | 128925 | 81.421 | ng | | 97 |
| 55) Dibenzofuran | 15.08 | 168 | 687662 | 42.896 | ng | | 99 |
| 56) 4-Nitrophenol | 14.90 | 139 | 221423 | 87.049 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 15.05 | 165 | 189930 | 45.909 | ng | | 99 |
| 58) Fluorene | 15.72 | 166 | 546869 | 43.390 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.30 | 232 | 167482 | 48.771 | ng | | 99 |
| 60) Diethylphthalate | 15.48 | 149 | 598362 | 44.098 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 15.71 | 204 | 289512 | 42.973 | ng | | 96 |
| 62) 4-Nitroaniline | 15.76 | 138 | 153766 | 45.463 | ng | | 98 |
| 63) Azobenzene | 16.00 | 77 | 558464 | 43.633 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.81 | 198 | 105482 | 41.614 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 15.93 | 169 | 527053 | 39.920 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 16.60 | 248 | 197252 | 38.850 | ng | | 98 |
| 68) Hexachlorobenzene | 16.72 | 284 | 201577 | 39.486 | ng | | 95 |
| 69) Atrazine | 16.87 | 200 | 196444 | 39.998 | ng | | 98 |
| 70) Pentachlorophenol | 17.07 | 266 | 227901 | 77.217 | ng | | 97 |
| 71) Phenanthrene | 17.47 | 178 | 952984 | 40.185 | ng | | 99 |
| 72) Anthracene | 17.56 | 178 | 984025 | 41.456 | ng | | 100 |
| 73) Carbazole | 17.83 | 167 | 925510 | 41.200 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.36 | 149 | 1111877 | 41.756 | ng | | 99 |
| 75) Fluoranthene | 19.47 | 202 | 1160856 | 41.339 | ng | | 99 |
| 77) Benzidine | 19.66 | 184 | 393020 | 24.604 | ng | | 97 |
| 78) Pyrene | 19.84 | 202 | 1149214 | 39.505 | ng | | 97 |
| 80) Butylbenzylphthalate | 20.71 | 149 | 514708 | 41.348 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.67 | 228 | 1057751 | 38.821 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.59 | 252 | 297730 | 28.725 | ng | | 98 |
| 83) Chrysene | 21.75 | 228 | 1045906 | 39.941 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.55 | 149 | 747783 | 42.024 | ng | | 100 |
| 85) Di-n-octyl phthalate | 22.77 | 149 | 1268414 | 41.838 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 28.74 | 276 | 1290237 | 40.286 | ng | # | 91 |
| 88) Benzo(b)fluoranthene | 23.93 | 252 | 1133410 | 42.242 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.00 | 252 | 1101232 | 44.631 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.82 | 252 | 1114735 | 44.280 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 28.80 | 278 | 1057459 | 45.227 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.93 | 276 | 1078753 | 44.894 | ng | | 98 |

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

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