Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072719\
Data File : BG041779.D
Acq On : 27 Jul 2019 16:24
Operator : HP/JU
Sample : SSTDICC060
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 29 06:44:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG072719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 05:48:08 2019
Response via : Initial Calibration

**Instrument :** BNA_G
**ClientSampleId :** SSTDICC060

**Manual Integrations APPROVED**
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7/29/2019 5:30:19 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.05 | 152 | 92440 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.87 | 136 | 393863 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.70 | 164 | 273040 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.45 | 188 | 603431 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.74 | 240 | 590326 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.02 | 264 | 695393 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.59 | 112 | 589967 | 104.33 | ng | | 0.00 |
| 7) Phenol-d6 | 7.20 | 99 | 782907 | 102.94 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.22 | 82 | 719073 | 111.03 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.20 | 330 | 398325 | 129.45 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.33 | 172 | 1836000 | 104.13 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.07 | 244 | 2634868 | 104.30 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.48 | 88 | 135634 | 50.503 | ng | | 92 |
| 3) Pyridine | 3.88 | 79 | 381287 | 53.186 | ng | | 91 |
| 4) n-Nitrosodimethylamine | 3.79 | 42 | 153437 | 46.346 | ng | | 90 |
| 6) Aniline | 7.37 | 93 | 540831 | 52.908 | ng | | 99 |
| 8) 2-Chlorophenol | 7.61 | 128 | 337633 | 52.742 | ng | | 95 |
| 9) Benzaldehyde | 7.17 | 77 | 270429 | 61.499 | ng | | 95 |
| 10) Phenol | 7.22 | 94 | 405405 | 50.591 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.46 | 93 | 329330 | 50.887 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.94 | 146 | 429606 | 56.242 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.08 | 146 | 431120 | 56.359 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.41 | 146 | 405402 | 56.211 | ng | | 96 |
| 15) Benzyl Alcohol | 8.28 | 79 | 314988 | 52.020 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58 | 45 | 580829 | 43.312 | ng | | 95 |
| 17) 2-Methylphenol | 8.49 | 107 | 295331 | 53.293 | ng | | 98 |
| 18) Hexachloroethane | 9.14 | 117 | 150463 | 53.702 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.86 | 70 | 279438 | 50.266 | ng | | 91 |
| 20) 3+4-Methylphenols | 8.82 | 107 | 407697 | 53.686 | ng | | 100 |
| 22) Acetophenone | 8.87 | 105 | 526780 | 54.914 | ng | | 96 |
| 24) Nitrobenzene | 9.26 | 77 | 379382 | 53.699 | ng | | 96 |
| 25) Isophorone | 9.79 | 82 | 749235 | 52.832 | ng | | 98 |
| 26) 2-Nitrophenol | 9.97 | 139 | 183449 | 60.023 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 10.03 | 122 | 305682 | 54.478 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.27 | 93 | 464456 | 53.138 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.51 | 162 | 376948 | 58.922 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.73 | 180 | 460640 | 61.324 | ng | | 99 |
| 31) Naphthalene | 10.92 | 128 | 1070510 | 55.208 | ng | | 99 |
| 32) Benzoic acid | 10.19 | 122 | 222573m | 56.479 | ng | | |
| 33) 4-Chloroaniline | 11.02 | 127 | 509934 | 57.012 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.22 | 225 | 311343 | 64.488 | ng | | 98 |
| 35) Caprolactam | 11.80 | 113 | 128914 | 54.824 | ng | # | 83 |
| 36) 4-Chloro-3-methylphenol | 12.15 | 107 | 367196 | 54.789 | ng | | 94 |
| 37) 2-Methylnaphthalene | 12.53 | 142 | 844072 | 56.976 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.75 | 142 | 803553 | 56.895 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.90 | 216 | 531733 | 56.854 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.88 | 237 | 322171 | 60.895 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.13 | 196 | 353385 | 58.152 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 13.21 | 196 | 363466 | 56.767 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.53 | 154 | 1065015 | 52.064 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.58 | 162 | 915828 | 53.720 | ng | | 97 |
| 48) 2-Nitroaniline | 13.77 | 65 | 250752 | 50.517 | ng | | 94 |
| 49) Acenaphthylene | 14.43 | 152 | 1349662 | 50.713 | ng | | 99 |
| 50) Dimethylphthalate | 14.16 | 163 | 1134390 | 52.899 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.27 | 165 | 254418 | 55.934 | ng | | 89 |
| 52) Acenaphthene | 14.77 | 154 | 888113 | 52.953 | ng | | 98 |
| 53) 3-Nitroaniline | 14.60 | 138 | 271514 | 54.682 | ng | | 92 |
| 54) 2,4-Dinitrophenol | 14.80 | 184 | 134131 | 68.227 | ng | | 87 |
| 55) Dibenzofuran | 15.10 | 168 | 1323791 | 52.599 | ng | | 99 |
| 56) 4-Nitrophenol | 14.90 | 139 | 209365 | 52.080 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 15.06 | 165 | 354202 | 58.909 | ng | | 95 |
| 58) Fluorene | 15.76 | 166 | 1063966 | 51.956 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.33 | 232 | 358530 | 60.655 | ng | | 94 |
| 60) Diethylphthalate | 15.52 | 149 | 1114372 | 51.583 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.74 | 204 | 657453 | 56.796 | ng | | 96 |
| 62) 4-Nitroaniline | 15.77 | 138 | 285450 | 54.205 | ng | | 97 |
| 63) Azobenzene | 16.04 | 77 | 897541 | 45.954 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.82 | 198 | 187039 | 70.371 | ng | | 88 |
| 66) n-Nitrosodiphenylamine | 15.96 | 169 | 991296 | 55.940 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.64 | 248 | 454846 | 63.349 | ng | | 97 |
| 68) Hexachlorobenzene | 16.77 | 284 | 472727 | 65.382 | ng | | 95 |
| 69) Atrazine | 16.91 | 200 | 394002 | 61.268 | ng | | 98 |
| 70) Pentachlorophenol | 17.10 | 266 | 291961 | 64.582 | ng | | 99 |
| 71) Phenanthrene | 17.50 | 178 | 1709416 | 56.251 | ng | | 98 |
| 72) Anthracene | 17.59 | 178 | 1714833 | 56.611 | ng | | 98 |
| 73) Carbazole | 17.85 | 167 | 1529660 | 54.449 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.42 | 149 | 1779102 | 51.923 | ng | | 98 |
| 75) Fluoranthene | 19.51 | 202 | 2040425 | 54.681 | ng | | 96 |
| 77) Benzidine | 19.68 | 184 | 1165749 | 58.625 | ng | | 98 |
| 78) Pyrene | 19.87 | 202 | 2030204 | 50.850 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.76 | 149 | 852134 | 51.362 | ng | | 89 |
| 81) Benzo(a)anthracene | 21.72 | 228 | 2061468 | 54.048 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.63 | 252 | 858880 | 57.225 | ng | | 99 |
| 83) Chrysene | 21.79 | 228 | 1960818 | 53.801 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.64 | 149 | 1142746 | 48.783 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.88 | 149 | 1952488 | 48.944 | ng | # | 92 |
| 86) Indeno(1,2,3-cd)pyrene | 28.77 | 276 | 2714118 | 56.440 | ng | # | 89 |
| 88) Benzo(b)fluoranthene | 23.98 | 252 | 2271045m | 53.841 | ng | | |
| 89) Benzo(k)fluoranthene | 24.05 | 252 | 2227656 | 56.995 | ng | # | 98 |
| 90) Benzo(a)pyrene | 24.86 | 252 | 2201650 | 55.167 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.84 | 278 | 2174001 | 56.183 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 29.94 | 276 | 2165781 | 55.852 | ng | | 95 |

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

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