Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022519\
Data File : BF112686.D
Acq On : 25 Feb 2019 12:26
Operator : JU/SJ
Sample : K1556-01MS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
COMPMS

**Manual Integrations APPROVED**
Sohil
2/26/2019 2:38:59 PM

Quant Time: Feb 25 14:18:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 25 14:05:25 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.82 | 152 | 75782 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.10 | 136 | 278771 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.85 | 164 | 117336 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.34 | 188 | 185677 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.99 | 240 | 181790 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.46 | 264 | 200534 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.47 | 112 | 597319 | 167.42 | ng | | 0.00 |
| 7) Phenol-d6 | 6.49 | 99 | 727099 | 146.66 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.39 | 82 | 467475 | 96.62 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.65 | 330 | 166498 | 121.91 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.17 | 172 | 850812 | 102.55 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.92 | 244 | 728390 | 75.47 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.57 | 88 | 59225 | 41.671 | ng | | 94 |
| 3) Pyridine | 3.35 | 79 | 145168 | 40.154 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.29 | 42 | 86667 | 57.058 | ng | | 83 |
| 6) Aniline | 6.49 | 93 | 163382 | 27.704 | ng | | 87 |
| 8) 2-Chlorophenol | 6.62 | 128 | 205329 | 42.781 | ng | | 98 |
| 9) Benzaldehyde | 6.37 | 77 | 83413 | 32.190 | ng | | 98 |
| 10) Phenol | 6.50 | 94 | 288090 | 52.967 | ng | | 83 |
| 11) bis(2-Chloroethyl)ether | 6.55 | 93 | 183389 | 42.827 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.76 | 146 | 224151 | 40.101 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.83 | 146 | 224494 | 39.025 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.99 | 146 | 213369 | 39.615 | ng | | 96 |
| 15) Benzyl Alcohol | 6.97 | 79 | 175583 | 42.014 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09 | 45 | 210557 | 38.297 | ng | | 98 |
| 17) 2-Methylphenol | 7.10 | 107 | 154736 | 40.669 | ng | | 92 |
| 18) Hexachloroethane | 7.32 | 117 | 83614 | 41.392 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.23 | 70 | 137127 | 40.113 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.26 | 107 | 203931 | 41.915 | ng | # | 60 |
| 22) Acetophenone | 7.23 | 105 | 281882 | 41.526 | ng | | 93 |
| 24) Nitrobenzene | 7.40 | 77 | 203780 | 42.174 | ng | | 100 |
| 25) Isophorone | 7.64 | 82 | 347712 | 45.812 | ng | | 98 |
| 26) 2-Nitrophenol | 7.72 | 139 | 106300 | 41.166 | ng | # | 90 |
| 27) 2,4-Dimethylphenol | 7.77 | 122 | 167908 | 47.196 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93 | 217751 | 42.134 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.99 | 162 | 158992 | 39.935 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.04 | 180 | 179512 | 39.226 | ng | | 98 |
| 31) Naphthalene | 8.12 | 128 | 584448 | 44.831 | ng | | 98 |
| 32) Benzoic acid | 7.92 | 122 | 33344 | 16.431 | ng | | 98 |
| 33) 4-Chloroaniline | 8.18 | 127 | 71012 | 12.510 | ng | # | 94 |
| 34) Hexachlorobutadiene | 8.23 | 225 | 106448 | 39.638 | ng | | 99 |
| 35) Caprolactam | 8.56 | 113 | 39423 | 28.069 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 158097 | 37.511 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.81 | 142 | 384321 | 43.063 | ng | | 96 |
| 38) 1-Methylnaphthalene | 8.91 | 142 | 360893 | 42.190 | ng | | 96 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.98 | 216 | 167453 | 43.465 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.96 | 237 | 49847 | 39.588 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.10 | 196 | 97358 | 40.997 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.16 | 196 | 92026 | 37.078 | ng | # | 92 |
| 46) 1,1'-Biphenyl | 9.27 | 154 | 446909 | 43.567 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.30 | 162 | 332346 | 41.780 | ng | | 96 |
| 48) 2-Nitroaniline | 9.41 | 65 | 91707 | 42.298 | ng | | 88 |
| 49) Acenaphthylene | 9.72 | 152 | 531643 | 45.598 | ng | | 98 |
| 50) Dimethylphthalate | 9.57 | 163 | 413875 | 45.399 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.65 | 165 | 80023 | 39.194 | ng | # | 77 |
| 52) Acenaphthene | 9.89 | 154 | 305504 | 43.863 | ng | | 99 |
| 53) 3-Nitroaniline | 9.83 | 138 | 57603 | 26.042 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 9.96 | 184 | 33411 | 50.990 | ng | # | 82 |
| 55) Dibenzofuran | 10.06 | 168 | 444579 | 41.770 | ng | # | 91 |
| 56) 4-Nitrophenol | 10.05 | 139 | 40564m | 34.687 | ng | | |
| 57) 2,4-Dinitrotoluene | 10.06 | 165 | 103172 | 39.693 | ng | # | 77 |
| 58) Fluorene | 10.40 | 166 | 351253 | 44.101 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.19 | 232 | 69324 | 36.961 | ng | # | 96 |
| 60) Diethylphthalate | 10.26 | 149 | 361380 | 39.945 | ng | | 97 |
| 61) 4-Chlorophenyl-phenylether | 10.39 | 204 | 163792 | 37.804 | ng | | 92 |
| 62) 4-Nitroaniline | 10.45 | 138 | 65128 | 30.018 | ng | | 90 |
| 63) Azobenzene | 10.55 | 77 | 313126 | 39.354 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.48 | 198 | 31348 | 30.113 | ng | | 84 |
| 66) n-Nitrosodiphenylamine | 10.51 | 169 | 283749 | 45.343 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.87 | 248 | 89980 | 41.203 | ng | | 94 |
| 68) Hexachlorobenzene | 10.96 | 284 | 94392 | 40.287 | ng | | 94 |
| 69) Atrazine | 11.03 | 200 | 78000 | 38.629 | ng | | 92 |
| 70) Pentachlorophenol | 11.17 | 266 | 54364 | 59.631 | ng | | 99 |
| 71) Phenanthrene | 11.36 | 178 | 584626 | 60.564 | ng | | 97 |
| 72) Anthracene | 11.42 | 178 | 499904 | 51.988 | ng | | 98 |
| 73) Carbazole | 11.58 | 167 | 386011 | 40.697 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.89 | 149 | 488653 | 41.505 | ng | | 98 |
| 75) Fluoranthene | 12.56 | 202 | 915460 | 88.420 | ng | | 99 |
| 77) Benzidine | 12.68 | 184 | 78450 | 15.679 | ng | | 99 |
| 78) Pyrene | 12.79 | 202 | 890410 | 70.745 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.38 | 149 | 224203 | 36.819 | ng | | 95 |
| 81) Benzo(a)anthracene | 13.97 | 228 | 753618 | 70.520 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.93 | 252 | 87478 | 21.873 | ng | # | 99 |
| 83) Chrysene | 14.02 | 228 | 665133 | 65.204 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 13.93 | 149 | 310388 | 35.909 | ng | | 97 |
| 85) Di-n-octyl phthalate | 14.54 | 149 | 578882 | 43.529 | ng | | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 16.96 | 276 | 674798 | 83.484 | ng | | 94 |
| 88) Benzo(b)fluoranthene | 15.03 | 252 | 884590 | 73.760 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.06 | 252 | 635657 | 55.335 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.40 | 252 | 789979 | 73.207 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.95 | 278 | 442204 | 50.845 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.40 | 276 | 540949 | 65.927 | ng | | 96 |

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

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