Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
Data File : BF117137.D
Acq On : 18 Sep 2019 10:15
Operator : HP/JU
Sample : PB123129BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB123129BS

**Manual Integrations APPROVED**
Jagrut
9/19/2019 10:42:02 AM

Quant Time: Sep 18 13:32:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.82 | 152 | 72167 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.10 | 136 | 299823 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.85 | 164 | 155097 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.33 | 188 | 245575 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.97 | 240 | 155042 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.42 | 264 | 115302 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 470980 | 101.89 | ng | | 0.02 |
| 7) Phenol-d6 | 6.47 | 99 | 613746 | 102.74 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.39 | 82 | 369719 | 64.79 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.65 | 330 | 141250 | 108.97 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.17 | 172 | 655760 | 66.11 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.91 | 244 | 594345 | 71.66 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.66 | 88 | 75170 | 38.863 | ng | | 98 |
| 3) Pyridine | 3.40 | 79 | 173958 | 32.858 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.35 | 42 | 66154 | 36.412 | ng | | 100 |
| 6) Aniline | 6.49 | 93 | 233727 | 30.389 | ng | # | 88 |
| 8) 2-Chlorophenol | 6.62 | 128 | 206474 | 41.405 | ng | | 96 |
| 9) Benzaldehyde | 6.37 | 77 | 126707 | 43.206 | ng | | 98 |
| 10) Phenol | 6.48 | 94 | 260582 | 39.568 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 6.56 | 93 | 191907 | 39.649 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.76 | 146 | 215949 | 38.592 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.84 | 146 | 224344 | 39.286 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.99 | 146 | 206475 | 38.835 | ng | | 97 |
| 15) Benzyl Alcohol | 6.97 | 79 | 186270 | 40.661 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.10 | 45 | 183470 | 38.367 | ng | | 90 |
| 17) 2-Methylphenol | 7.08 | 107 | 169206 | 40.487 | ng | | 95 |
| 18) Hexachloroethane | 7.33 | 117 | 84838 | 38.618 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.23 | 70 | 150012 | 41.239 | ng | | 94 |
| 20) 3+4-Methylphenols | 7.23 | 107 | 212182 | 40.759 | ng | | 96 |
| 22) Acetophenone | 7.23 | 105 | 301619 | 39.595 | ng | | 98 |
| 24) Nitrobenzene | 7.40 | 77 | 225578 | 40.030 | ng | | 98 |
| 25) Isophorone | 7.65 | 82 | 411081 | 40.687 | ng | | 99 |
| 26) 2-Nitrophenol | 7.72 | 139 | 105809 | 43.713 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.76 | 122 | 180568 | 47.042 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93 | 243396 | 39.101 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.96 | 162 | 167991 | 41.768 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.05 | 180 | 167810 | 38.619 | ng | | 98 |
| 31) Naphthalene | 8.13 | 128 | 584984 | 40.569 | ng | | 99 |
| 32) Benzoic acid | 7.89 | 122 | 86461 | 32.327 | ng | | 98 |
| 33) 4-Chloroaniline | 8.17 | 127 | 156488 | 24.468 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.25 | 225 | 95242 | 38.634 | ng | | 98 |
| 35) Caprolactam | 8.55 | 113 | 51977m | 38.181 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.66 | 107 | 193284 | 41.215 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.82 | 142 | 400184 | 41.213 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.92 | 142 | 380236 | 41.811 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.98 | 216 | 157761 | 39.391 | ng | | 98 |

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|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.97 | 237 | 135929 | 77.098 ng | 96 |
| 43) 2,4,6-Trichlorophenol | 9.09 | 196 | 109171 | 40.167 ng | 99 |
| 44) 2,4,5-Trichlorophenol | 9.14 | 196 | 118698 | 40.876 ng | 97 |
| 46) 1,1'-Biphenyl | 9.27 | 154 | 473559 | 38.925 ng | 99 |
| 47) 2-Chloronaphthalene | 9.30 | 162 | 365131 | 38.029 ng | 99 |
| 48) 2-Nitroaniline | 9.40 | 65 | 118274 | 38.405 ng | 96 |
| 49) Acenaphthylene | 9.72 | 152 | 583848 | 40.592 ng | 99 |
| 50) Dimethylphthalate | 9.57 | 163 | 428446 | 39.015 ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.64 | 165 | 94028 | 42.040 ng | 94 |
| 52) Acenaphthene | 9.89 | 154 | 332940 | 39.049 ng | 99 |
| 53) 3-Nitroaniline | 9.81 | 138 | 77262 | 27.379 ng | 98 |
| 54) 2,4-Dinitrophenol | 9.92 | 184 | 71040 | 74.297 ng | 97 |
| 55) Dibenzofuran | 10.06 | 168 | 507160 | 40.315 ng | 97 |
| 56) 4-Nitrophenol | 9.98 | 139 | 126628 | 69.236 ng | 96 |
| 57) 2,4-Dinitrotoluene | 10.05 | 165 | 126124 | 43.442 ng | 97 |
| 58) Fluorene | 10.40 | 166 | 409468 | 40.407 ng | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.18 | 232 | 88564m | 39.855 ng | |
| 60) Diethylphthalate | 10.27 | 149 | 430415 | 39.838 ng | 98 |
| 61) 4-Chlorophenyl-phenylether | 10.39 | 204 | 179030 | 40.833 ng | 97 |
| 62) 4-Nitroaniline | 10.42 | 138 | 110393 | 37.617 ng | 97 |
| 63) Azobenzene | 10.55 | 77 | 442994 | 40.146 ng | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.46 | 198 | 50356 | 45.434 ng | 89 |
| 66) n-Nitrosodiphenylamine | 10.51 | 169 | 358651 | 42.288 ng | 98 |
| 67) 4-Bromophenyl-phenylether | 10.88 | 248 | 103421 | 41.238 ng | 93 |
| 68) Hexachlorobenzene | 10.95 | 284 | 109581 | 39.949 ng | 94 |
| 69) Atrazine | 11.03 | 200 | 98269 | 47.176 ng | 99 |
| 70) Pentachlorophenol | 11.15 | 266 | 102162 | 79.454 ng | 99 |
| 71) Phenanthrene | 11.36 | 178 | 566477 | 40.612 ng | 100 |
| 72) Anthracene | 11.42 | 178 | 587504 | 41.256 ng | 97 |
| 73) Carbazole | 11.57 | 167 | 550000 | 40.689 ng | 99 |
| 74) Di-n-butylphthalate | 11.89 | 149 | 665445 | 41.377 ng | 99 |
| 75) Fluoranthene | 12.54 | 202 | 558478 | 38.967 ng | 99 |
| 77) Benzidine | 12.66 | 184 | 207492 | 41.546 ng | 99 |
| 78) Pyrene | 12.77 | 202 | 561916 | 43.194 ng | 100 |
| 80) Butylbenzylphthalate | 13.38 | 149 | 257687 | 41.920 ng | 98 |
| 81) Benzo(a)anthracene | 13.96 | 228 | 406558 | 39.249 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.92 | 252 | 100231 | 30.027 ng | 96 |
| 83) Chrysene | 14.00 | 228 | 405572 | 40.144 ng | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.94 | 149 | 343968 | 43.399 ng | 98 |
| 85) Di-n-octyl phthalate | 14.54 | 149 | 525200 | 42.102 ng | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.86 | 276 | 294314 | 39.930 ng | 98 |
| 88) Benzo(b)fluoranthene | 15.00 | 252 | 313485 | 44.885 ng | 99 |
| 89) Benzo(k)fluoranthene | 15.02 | 252 | 303195 | 45.827 ng | 100 |
| 90) Benzo(a)pyrene | 15.36 | 252 | 287894 | 46.974 ng | 98 |
| 91) Dibenzo(a,h)anthracene | 16.86 | 278 | 248582 | 50.914 ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.29 | 276 | 234316 | 48.161 ng | 97 |

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

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