Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101317\
Data File : BF099449.D
Acq On : 13 Oct 2017 19:44
Operator : SJ/JU
Sample : PB103199BSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 13 23:19:21 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 11 16:25:21 2017
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB103199BSD

**Manual Integrations APPROVED**
Sohil
10/15/2017 12:39:59 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 100965 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.14 | 136 | 405660 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.89 | 164 | 163806 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.38 | 188 | 240702 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.02 | 240 | 167191 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.49 | 264 | 189079 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.49 | 112 | 806738 | 127.20 | ng | | 0.02 |
| 7) Phenol-d6 | 6.50 | 99 | 959486 | 122.63 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 574037 | 90.75 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.69 | 330 | 162925 | 121.55 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.21 | 172 | 1014436 | 103.39 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.96 | 244 | 642385 | 87.38 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.69 | 88 | 105967 | 34.98 | ng | | 94 |
| 3) Pyridine | 3.48 | 79 | 299653 | 36.56 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.42 | 42 | 123177 | 35.44 | ng | | 82 |
| 6) Aniline | 6.52 | 93 | 250933 | 23.76 | ng | | 99 |
| 8) 2-Chlorophenol | 6.65 | 128 | 298267 | 41.53 | ng | | 92 |
| 9) Benzaldehyde | 6.41 | 77 | 102355 | 22.55 | ng | | 93 |
| 10) Phenol | 6.51 | 94 | 360935 | 41.25 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.59 | 93 | 275294 | 40.47 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.79 | 146 | 317284 | 42.18 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.87 | 146 | 320316 | 41.85 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.03 | 146 | 296636 | 41.95 | ng | | 96 |
| 15) Benzyl Alcohol | 7.00 | 79 | 223573 | 38.95 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.13 | 45 | 387631 | 36.57 | ng | | 93 |
| 17) 2-Methylphenol | 7.11 | 107 | 244169 | 41.55 | ng | | 98 |
| 18) Hexachloroethane | 7.36 | 117 | 109065 | 39.65 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70 | 179610 | 35.96 | ng | | 93 |
| 20) 3+4-Methylphenols | 7.26 | 107 | 288953 | 38.87 | ng | # | 73 |
| 22) Acetophenone | 7.27 | 105 | 376468 | 38.30 | ng | # | 97 |
| 24) Nitrobenzene | 7.44 | 77 | 288467 | 40.20 | ng | | 98 |
| 25) Isophorone | 7.67 | 82 | 530190 | 40.54 | ng | | 99 |
| 26) 2-Nitrophenol | 7.76 | 139 | 163729 | 47.45 | ng | # | 86 |
| 27) 2,4-Dimethylphenol | 7.79 | 122 | 258433 | 39.66 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 344646 | 42.29 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.00 | 162 | 240687 | 43.02 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.07 | 180 | 242335 | 43.31 | ng | | 99 |
| 31) Naphthalene | 8.16 | 128 | 812556 | 42.65 | ng | | 99 |
| 32) Benzoic acid | 7.92 | 122 | 137769 | 25.74 | ng | | 97 |
| 33) 4-Chloroaniline | 8.21 | 127 | 78586 | 9.88 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.27 | 225 | 118614 | 41.15 | ng | | 99 |
| 35) Caprolactam | 8.59 | 113 | 76053m | 42.38 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.70 | 107 | 245902 | 39.10 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.85 | 142 | 551501 | 44.53 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 216167 | 44.25 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.00 | 237 | 85462 | 38.28 | ng | | 96 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.13 | 196 | 148085 | 42.79 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.17 | 196 | 154525 | 44.73 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.32 | 154 | 625554 | 44.43 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.34 | 162 | 486700 | 46.04 | ng | | 98 |
| 47) 2-Nitroaniline | 9.44 | 65 | 140406 | 43.38 | ng | | 98 |
| 48) Acenaphthylene | 9.76 | 152 | 722358 | 44.64 | ng | | 99 |
| 49) Dimethylphthalate | 9.61 | 163 | 564238 | 45.64 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.68 | 165 | 125590 | 46.66 | ng | | 89 |
| 51) Acenaphthene | 9.93 | 154 | 420569 | 41.03 | ng | | 99 |
| 52) 3-Nitroaniline | 9.85 | 138 | 69809 | 22.24 | ng | # | 87 |
| 53) 2,4-Dinitrophenol | 9.96 | 184 | 63391 | 47.77 | ng | | 97 |
| 54) Dibenzofuran | 10.10 | 168 | 627567 | 45.98 | ng | | 100 |
| 55) 4-Nitrophenol | 10.02 | 139 | 152030 | 57.29 | ng | | 84 |
| 56) 2,4-Dinitrotoluene | 10.09 | 165 | 153457 | 43.93 | ng | | 92 |
| 57) Fluorene | 10.44 | 166 | 478797 | 43.65 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.22 | 232 | 103887 | 43.53 | ng | | 96 |
| 59) Diethylphthalate | 10.31 | 149 | 518581 | 42.93 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.43 | 204 | 218955 | 44.44 | ng | | 98 |
| 61) 4-Nitroaniline | 10.47 | 138 | 115068 | 38.00 | ng | | 86 |
| 62) Azobenzene | 10.59 | 77 | 470113 | 42.32 | ng | | 91 |
| 64) 4,6-Dinitro-2-methylphenol | 10.50 | 198 | 49573 | 33.85 | ng | | 82 |
| 65) n-Nitrosodiphenylamine | 10.55 | 169 | 424910 | 50.96 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.92 | 248 | 120444 | 51.12 | ng | # | 89 |
| 67) Hexachlorobenzene | 10.99 | 284 | 114169 | 45.37 | ng | | 99 |
| 68) Atrazine | 11.07 | 200 | 124957 | 49.81 | ng | | 99 |
| 69) Pentachlorophenol | 11.19 | 266 | 91625 | 58.51 | ng | | 99 |
| 70) Phenanthrene | 11.40 | 178 | 608616 | 47.24 | ng | | 98 |
| 71) Anthracene | 11.46 | 178 | 624867 | 47.40 | ng | | 99 |
| 72) Carbazole | 11.61 | 167 | 556711 | 43.12 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.93 | 149 | 694371 | 44.69 | ng | | 98 |
| 74) Fluoranthene | 12.59 | 202 | 541017 | 41.47 | ng | | 99 |
| 76) Benzidine | 12.72 | 184 | 261928 | 42.36 | ng | | 97 |
| 77) Pyrene | 12.82 | 202 | 545181 | 42.76 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.43 | 149 | 247958 | 41.38 | ng | | 98 |
| 80) Benzo(a)anthracene | 14.01 | 228 | 469913 | 46.42 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.97 | 252 | 140493 | 37.86 | ng | | 99 |
| 82) Chrysene | 14.05 | 228 | 451932 | 46.89 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.98 | 149 | 333416 | 40.41 | ng | # | 100 |
| 84) Di-n-octyl phthalate | 14.59 | 149 | 606923 | 45.69 | ng | | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 16.99 | 276 | 523423 | 67.89 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 15.06 | 252 | 492255 | 42.34 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.09 | 252 | 510928 | 44.50 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.43 | 252 | 502352 | 47.08 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 17.00 | 278 | 437831 | 51.27 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.44 | 276 | 435344 | 51.57 | ng | | 95 |

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

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