Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
Data File : BF103867.D
Acq On : 23 Mar 2018 9:30
Operator : JU/SJ
Sample : PB107555BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB107555BS

**Manual Integrations APPROVED**
Sohil
3/26/2018 4:32:44 PM

Quant Time: Mar 23 14:01:30 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 23 13:26:17 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.97 | 152 | 144007 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.26 | 136 | 599770 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.02 | 164 | 281822 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.52 | 188 | 535720 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.17 | 240 | 463297 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.72 | 264 | 449453 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 1051425 | 111.05 | ng | | 0.01 |
| 7) Phenol-d6 | 6.60 | 99 | 1314116 | 113.45 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.54 | 82 | 808241 | 93.98 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.82 | 330 | 365568 | 150.87 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.33 | 172 | 1452383 | 82.21 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.10 | 244 | 1547877 | 77.55 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.88 | 88 | 155255 | 33.302 | ng | | 90 |
| 3) Pyridine | 3.65 | 79 | 450158 | 35.105 | ng | | 89 |
| 4) n-Nitrosodimethylamine | 3.61 | 42 | 178496 | 37.753 | ng | # | 76 |
| 6) Aniline | 6.64 | 93 | 364338 | 22.027 | ng | | 96 |
| 8) 2-Chlorophenol | 6.76 | 128 | 433032 | 43.660 | ng | | 95 |
| 9) Benzaldehyde | 6.53 | 77 | 119565 | 15.712 | ng | | 94 |
| 10) Phenol | 6.62 | 94 | 514205 | 41.776 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.71 | 93 | 405007 | 39.859 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.92 | 146 | 443695 | 39.278 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.99 | 146 | 446398 | 39.326 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 7.15 | 146 | 418418 | 39.723 | ng | | 99 |
| 15) Benzyl Alcohol | 7.12 | 79 | 375853 | 41.878 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.25 | 45 | 537298 | 37.178 | ng | | 93 |
| 17) 2-Methylphenol | 7.22 | 107 | 363591 | 41.166 | ng | | 99 |
| 18) Hexachloroethane | 7.49 | 117 | 161403 | 40.423 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.39 | 70 | 283075 | 38.133 | ng | | 92 |
| 20) 3+4-Methylphenols | 7.37 | 107 | 446384 | 39.824 | ng | # | 84 |
| 22) Acetophenone | 7.38 | 105 | 565937 | 36.715 | ng | # | 96 |
| 24) Nitrobenzene | 7.56 | 77 | 440772 | 43.653 | ng | | 98 |
| 25) Isophorone | 7.79 | 82 | 826139 | 41.494 | ng | | 99 |
| 26) 2-Nitrophenol | 7.87 | 139 | 242050 | 60.054 | ng | | 90 |
| 27) 2,4-Dimethylphenol | 7.90 | 122 | 411645 | 48.262 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 8.00 | 93 | 524464 | 43.502 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.11 | 162 | 365492 | 47.100 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.20 | 180 | 365693 | 40.631 | ng | | 98 |
| 31) Naphthalene | 8.28 | 128 | 1206472 | 39.821 | ng | | 99 |
| 32) Benzoic acid | 8.03 | 122 | 302689 | 49.821 | ng | | 95 |
| 33) 4-Chloroaniline | 8.32 | 127 | 99086 | 7.795 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.39 | 225 | 191075 | 38.721 | ng | | 98 |
| 35) Caprolactam | 8.70 | 113 | 128739m | 48.180 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.80 | 107 | 399241 | 46.669 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.97 | 142 | 813597 | 42.346 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.14 | 216 | 341788 | 42.511 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.12 | 237 | 383730 | 92.494 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.25 | 196 | 257489 | 50.069 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.29 | 196 | 276911 | 47.707 | ng | | 96 |
| 45) 1,1'-Biphenyl | 9.43 | 154 | 959029 | 40.810 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.46 | 162 | 765866 | 41.032 | ng | | 100 |
| 47) 2-Nitroaniline | 9.56 | 65 | 242815 | 49.484 | ng | | 99 |
| 48) Acenaphthylene | 9.88 | 152 | 1185577 | 40.962 | ng | | 99 |
| 49) Dimethylphthalate | 9.73 | 163 | 939837 | 43.710 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.80 | 165 | 214032 | 51.171 | ng | | 98 |
| 51) Acenaphthene | 10.06 | 154 | 696015 | 40.499 | ng | | 100 |
| 52) 3-Nitroaniline | 9.97 | 138 | 124208 | 26.751 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 10.08 | 184 | 210559 | 119.055 | ng | # | 21 |
| 54) Dibenzofuran | 10.23 | 168 | 1062910 | 43.304 | ng | | 99 |
| 55) 4-Nitrophenol | 10.13 | 139 | 388699 | 97.577 | ng | | 95 |
| 56) 2,4-Dinitrotoluene | 10.21 | 165 | 292593 | 54.552 | ng | # | 90 |
| 57) Fluorene | 10.57 | 166 | 831356 | 43.649 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.35 | 232 | 224539 | 54.594 | ng | | 94 |
| 59) Diethylphthalate | 10.43 | 149 | 914616 | 42.858 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.56 | 204 | 385864 | 44.330 | ng | | 97 |
| 61) 4-Nitroaniline | 10.59 | 138 | 238609 | 49.598 | ng | | 93 |
| 62) Azobenzene | 10.72 | 77 | 861237 | 39.694 | ng | | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 10.62 | 198 | 142181 | 62.940 | ng | # | 71 |
| 65) n-Nitrosodiphenylamine | 10.68 | 169 | 751462 | 41.210 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 11.05 | 248 | 236501 | 42.997 | ng | | 90 |
| 67) Hexachlorobenzene | 11.12 | 284 | 269124 | 42.869 | ng | # | 89 |
| 68) Atrazine | 11.20 | 200 | 251589 | 44.601 | ng | | 99 |
| 69) Pentachlorophenol | 11.32 | 266 | 295633 | 81.910 | ng | | 98 |
| 70) Phenanthrene | 11.54 | 178 | 1221162 | 41.671 | ng | | 99 |
| 71) Anthracene | 11.59 | 178 | 1263416 | 42.448 | ng | | 100 |
| 72) Carbazole | 11.75 | 167 | 1197317 | 41.388 | ng | | 99 |
| 73) Di-n-butylphthalate | 12.06 | 149 | 1445078 | 41.631 | ng | | 100 |
| 74) Fluoranthene | 12.73 | 202 | 1309857 | 43.386 | ng | | 99 |
| 76) Benzidine | 12.85 | 184 | 416640 | 21.085 | ng | | 98 |
| 77) Pyrene | 12.97 | 202 | 1322280 | 38.863 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.57 | 149 | 669508 | 44.413 | ng | | 99 |
| 80) Benzo(a)anthracene | 14.16 | 228 | 1256999 | 42.862 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.12 | 252 | 239499 | 24.415 | ng | | 99 |
| 82) Chrysene | 14.20 | 228 | 1154264 | 41.289 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 14.13 | 149 | 909564 | 42.236 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.76 | 149 | 1606771 | 51.286 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 17.30 | 276 | 1071367 | 43.884 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 15.26 | 252 | 1281941 | 45.146 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.29 | 252 | 1058324 | 38.773 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.66 | 252 | 1111750 | 43.167 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 17.33 | 278 | 894210 | 40.097 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.79 | 276 | 871677 | 40.178 | ng | | 98 |

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

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