Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103311.D
Acq On : 28 Feb 2018 23:24
Operator : SJ/JU
Sample : J1708-01MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RO-222-226MSD

**Manual Integrations APPROVED**
Sohil
3/1/2018 11:43:31 AM

Quant Time: Mar 01 01:25:15 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 27 17:05:20 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.87 | 152 | 144988 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.16 | 136 | 616752 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.92 | 164 | 265262 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.41 | 188 | 411214 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.06 | 240 | 240941 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.56 | 264 | 241568 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 1229212 | 128.22 | ng | | 0.01 |
| 7) Phenol-d6 | 6.52 | 99 | 1496932 | 127.61 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.45 | 82 | 912244 | 84.47 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.71 | 330 | 245646 | 109.40 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.23 | 172 | 1298607 | 84.11 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.99 | 244 | 950668 | 94.85 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.70 | 88 | 204192 | 40.329 | ng | | 93 |
| 3) Pyridine | 3.49 | 79 | 530411 | 39.240 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.43 | 42 | 320939 | 58.872 | ng | # | 90 |
| 6) Aniline | 6.55 | 93 | 323506 | 19.109 | ng | | 94 |
| 8) 2-Chlorophenol | 6.66 | 128 | 438051 | 43.987 | ng | | 91 |
| 9) Benzaldehyde | 6.43 | 77 | 228149 | 29.708 | ng | | 95 |
| 10) Phenol | 6.53 | 94 | 597831 | 43.901 | ng | | 88 |
| 11) bis(2-Chloroethyl)ether | 6.61 | 93 | 469870 | 45.462 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 6.82 | 146 | 449074 | 39.460 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.89 | 146 | 448481 | 39.306 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.05 | 146 | 401918 | 38.202 | ng | | 99 |
| 15) Benzyl Alcohol | 7.02 | 79 | 373949 | 42.304 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45 | 703188 | 39.620 | ng | | 91 |
| 17) 2-Methylphenol | 7.13 | 107 | 370713 | 40.962 | ng | | 94 |
| 18) Hexachloroethane | 7.38 | 117 | 149818 | 36.069 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70 | 295893 | 40.530 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.29 | 107 | 436003 | 39.522 | ng | # | 57 |
| 22) Acetophenone | 7.29 | 105 | 560466 | 38.932 | ng | # | 89 |
| 24) Nitrobenzene | 7.46 | 77 | 479606 | 40.336 | ng | | 99 |
| 25) Isophorone | 7.70 | 82 | 893684 | 42.016 | ng | | 98 |
| 26) 2-Nitrophenol | 7.77 | 139 | 229465 | 40.994 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.81 | 122 | 379089 | 44.306 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93 | 559904 | 44.772 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.02 | 162 | 353836 | 43.195 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.10 | 180 | 331432 | 37.994 | ng | | 98 |
| 31) Naphthalene | 8.18 | 128 | 1186765 | 39.303 | ng | | 100 |
| 32) Benzoic acid | 7.93 | 122 | 92169 | 19.342 | ng | | 99 |
| 33) 4-Chloroaniline | 8.23 | 127 | 121931 | 9.358 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.29 | 225 | 164989 | 36.321 | ng | | 97 |
| 35) Caprolactam | 8.61 | 113 | 124467m | 43.233 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.72 | 107 | 391475 | 42.369 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.87 | 142 | 773801 | 39.653 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.04 | 216 | 285985 | 39.437 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.02 | 237 | 47689 | 25.467 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.15 | 196 | 208858 | 42.803 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.20 | 196 | 221474 | 39.463 | ng | | 96 |
| 45) 1,1'-Biphenyl | 9.33 | 154 | 864964 | 38.914 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.36 | 162 | 692194 | 39.363 | ng | | 99 |
| 47) 2-Nitroaniline | 9.46 | 65 | 285708 | 43.862 | ng | | 89 |
| 48) Acenaphthylene | 9.78 | 152 | 1043690 | 38.575 | ng | | 100 |
| 49) Dimethylphthalate | 9.63 | 163 | 953061 | 44.787 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.70 | 165 | 181272 | 40.593 | ng | # | 87 |
| 51) Acenaphthene | 9.95 | 154 | 602727 | 38.203 | ng | | 99 |
| 52) 3-Nitroaniline | 9.87 | 138 | 133276 | 23.524 | ng | | 99 |
| 53) 2,4-Dinitrophenol | 9.99 | 184 | 28019 | 24.902 | ng | # | 19 |
| 54) Dibenzofuran | 10.12 | 168 | 873383 | 40.327 | ng | | 97 |
| 55) 4-Nitrophenol | 10.05 | 139 | 238736 | 67.989 | ng | | 89 |
| 56) 2,4-Dinitrotoluene | 10.12 | 165 | 221891 | 39.288 | ng | # | 92 |
| 57) Fluorene | 10.47 | 166 | 685899 | 37.177 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.25 | 232 | 153140 | 40.620 | ng | | 98 |
| 59) Diethylphthalate | 10.33 | 149 | 808106 | 39.706 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.45 | 204 | 313167 | 40.028 | ng | | 99 |
| 61) 4-Nitroaniline | 10.49 | 138 | 191498 | 33.840 | ng | | 99 |
| 62) Azobenzene | 10.62 | 77 | 827965 | 39.967 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 10.53 | 198 | 35626 | 17.717 | ng | | 94 |
| 65) n-Nitrosodiphenylamine | 10.57 | 169 | 627950 | 43.858 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.95 | 248 | 183614 | 42.864 | ng | | 93 |
| 67) Hexachlorobenzene | 11.02 | 284 | 180849 | 38.897 | ng | | 97 |
| 68) Atrazine | 11.10 | 200 | 188627 | 43.831 | ng | | 100 |
| 69) Pentachlorophenol | 11.22 | 266 | 138739 | 61.714 | ng | | 97 |
| 70) Phenanthrene | 11.43 | 178 | 862570 | 38.116 | ng | | 99 |
| 71) Anthracene | 11.49 | 178 | 913273 | 39.355 | ng | | 99 |
| 72) Carbazole | 11.64 | 167 | 874753 | 37.853 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.96 | 149 | 1185126 | 40.984 | ng | | 99 |
| 74) Fluoranthene | 12.63 | 202 | 782802 | 34.422 | ng | | 98 |
| 76) Benzidine | 12.74 | 184 | 399035 | 44.300 | ng | | 98 |
| 77) Pyrene | 12.86 | 202 | 772853 | 41.142 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.46 | 149 | 442376 | 44.572 | ng | | 95 |
| 80) Benzo(a)anthracene | 14.04 | 228 | 628632 | 40.211 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.00 | 252 | 215397 | 38.608 | ng | | 99 |
| 82) Chrysene | 14.09 | 228 | 599001 | 39.461 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.02 | 149 | 577824 | 43.142 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.64 | 149 | 961083 | 44.413 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 17.09 | 276 | 539235 | 44.872 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 15.12 | 252 | 616849 | 38.837 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.15 | 252 | 582649 | 38.957 | ng | | 99 |
| 89) Benzo(a)pyrene | 15.50 | 252 | 592335 | 41.762 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 17.10 | 278 | 456142 | 41.620 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.55 | 276 | 439029 | 40.987 | ng | | 98 |

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

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