Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091217\
Data File : BF098451.D
Acq On : 12 Sep 2017 15:40
Operator : SJ/JU
Sample : I5156-01MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 13 01:15:09 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 02:14:50 2017
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
FK-GF-02-011-AMS

**Manual Integrations APPROVED**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.66 | 152 | 222845 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.95 | 136 | 940781 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.70 | 164 | 419236 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.18 | 188 | 709094 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.81 | 240 | 402857 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.21 | 264 | 392465 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.28 | 112 | 1469893 | 97.52 | ng | | 0.00 |
| 7) Phenol-d6 | 6.32 | 99 | 1816272 | 94.91 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.23 | 82 | 1132780 | 67.13 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.49 | 330 | 305031 | 109.02 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.02 | 172 | 1757054 | 71.04 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.76 | 244 | 1188414 | 63.67 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.34 | 88 | 207624 | 26.689 | ng | | 89 |
| 3) Pyridine | 3.03 | 79 | 592335 | 28.672 | ng | # | 83 |
| 4) n-Nitrosodimethylamine | 2.99 | 42 | 295342 | 29.160 | ng | | 100 |
| 6) Aniline | 6.33 | 93 | 521581 | 21.726 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.45 | 128 | 546977 | 33.003 | ng | | 94 |
| 9) Benzaldehyde | 6.21 | 77 | 410803 | 32.839 | ng | | 91 |
| 10) Phenol | 6.33 | 94 | 760640 | 34.221 | ng | | 89 |
| 11) bis(2-Chloroethyl)ether | 6.40 | 93 | 538214 | 32.115 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 6.60 | 146 | 550579 | 33.005 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.68 | 146 | 549068 | 32.133 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 6.83 | 146 | 506968 | 32.566 | ng | | 98 |
| 15) Benzyl Alcohol | 6.82 | 79 | 451844 | 35.478 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.95 | 45 | 877305 | 31.816 | ng | | 74 |
| 17) 2-Methylphenol | 6.94 | 107 | 459354 | 33.989 | ng | # | 89 |
| 18) Hexachloroethane | 7.17 | 117 | 208424 | 31.851 | ng | # | 81 |
| 19) n-Nitroso-di-n-propylamine | 7.09 | 70 | 391254 | 32.504 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.09 | 107 | 602190 | 35.309 | ng | # | 66 |
| 22) Acetophenone | 7.08 | 105 | 772365 | 31.765 | ng | # | 92 |
| 24) Nitrobenzene | 7.25 | 77 | 608428 | 31.653 | ng | | 98 |
| 25) Isophorone | 7.49 | 82 | 1083041 | 31.721 | ng | | 100 |
| 26) 2-Nitrophenol | 7.57 | 139 | 286667 | 36.937 | ng | # | 83 |
| 27) 2,4-Dimethylphenol | 7.62 | 122 | 489792 | 33.106 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.70 | 93 | 696576 | 33.435 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.82 | 162 | 436051 | 35.438 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 7.89 | 180 | 456368 | 34.096 | ng | | 99 |
| 31) Naphthalene | 7.97 | 128 | 1549377 | 33.314 | ng | | 99 |
| 32) Benzoic acid | 7.72 | 122 | 18625 | 9.535 | ng | | 93 |
| 33) 4-Chloroaniline | 8.02 | 127 | 327550 | 17.329 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.09 | 225 | 230898 | 33.603 | ng | | 99 |
| 35) Caprolactam | 8.40 | 113 | 155444m | 36.635 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.52 | 107 | 497531 | 32.604 | ng | # | 82 |
| 37) 2-Methylnaphthalene | 8.66 | 142 | 1016203 | 36.072 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.83 | 216 | 416425 | 31.888 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.81 | 237 | 128782 | 39.368 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.95 | 196 | 276597 | 36.060 | ng | | 92 |
| 43) 2,4,5-Trichlorophenol | 8.99 | 196 | 290624 | 36.249 | ng | | 93 |
| 45) 1,1'-Biphenyl | 9.12 | 154 | 1190067 | 31.715 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.15 | 162 | 899751 | 33.574 | ng | | 94 |
| 47) 2-Nitroaniline | 9.25 | 65 | 352394 | 34.260 | ng | | 93 |
| 48) Acenaphthylene | 9.56 | 152 | 1321649 | 33.169 | ng | | 99 |
| 49) Dimethylphthalate | 9.43 | 163 | 1259515 | 38.811 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.50 | 165 | 236718 | 35.511 | ng | # | 85 |
| 51) Acenaphthene | 9.73 | 154 | 822286 | 32.465 | ng | | 98 |
| 52) 3-Nitroaniline | 9.66 | 138 | 193621 | 24.062 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 9.78 | 184 | 60451 | 25.665 | ng | # | 76 |
| 54) Dibenzofuran | 9.90 | 168 | 1155764 | 34.637 | ng | | 98 |
| 55) 4-Nitrophenol | 9.85 | 139 | 304524 | 65.870 | ng | # | 46 |
| 56) 2,4-Dinitrotoluene | 9.90 | 165 | 285577 | 35.238 | ng | # | 58 |
| 57) Fluorene | 10.25 | 166 | 893978 | 32.369 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.03 | 232 | 212639 | 39.464 | ng | | 94 |
| 59) Diethylphthalate | 10.13 | 149 | 1028090 | 33.311 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.24 | 204 | 428882 | 33.620 | ng | # | 87 |
| 61) 4-Nitroaniline | 10.28 | 138 | 242209 | 29.805 | ng | | 88 |
| 62) Azobenzene | 10.40 | 77 | 1074367 | 32.298 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.31 | 198 | 102558 | 26.106 | ng | | 89 |
| 65) n-Nitrosodiphenylamine | 10.36 | 169 | 832338 | 36.150 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.73 | 248 | 247796 | 36.820 | ng | | 95 |
| 67) Hexachlorobenzene | 10.79 | 284 | 232096 | 34.000 | ng | # | 86 |
| 68) Atrazine | 10.89 | 200 | 260100 | 36.694 | ng | | 98 |
| 69) Pentachlorophenol | 10.99 | 266 | 178274 | 60.818 | ng | | 95 |
| 70) Phenanthrene | 11.20 | 178 | 1310793 | 34.870 | ng | | 99 |
| 71) Anthracene | 11.26 | 178 | 1321941 | 34.252 | ng | | 99 |
| 72) Carbazole | 11.42 | 167 | 1125435 | 31.289 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.75 | 149 | 1485821 | 34.477 | ng | | 100 |
| 74) Fluoranthene | 12.39 | 202 | 1202466 | 31.954 | ng | | 98 |
| 76) Benzidine | 12.52 | 184 | 471741 | 26.459 | ng | # | 92 |
| 77) Pyrene | 12.62 | 202 | 1196604 | 37.653 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.23 | 149 | 500571 | 36.308 | ng | # | 76 |
| 80) Benzo(a)anthracene | 13.80 | 228 | 851825 | 36.066 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 13.77 | 252 | 244939 | 26.685 | ng | # | 94 |
| 82) Chrysene | 13.84 | 228 | 814041 | 34.096 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 13.79 | 149 | 629224 | 36.365 | ng | | 100 |
| 84) Di-n-octyl phthalate | 14.40 | 149 | 1078160 | 36.318 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 16.56 | 276 | 679418 | 40.562 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 14.82 | 252 | 897110 | 36.354 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 14.84 | 252 | 702006 | 30.472 | ng | | 96 |
| 89) Benzo(a)pyrene | 15.16 | 252 | 784154 | 35.668 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.56 | 278 | 564060 | 35.270 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 16.96 | 276 | 547877 | 34.061 | ng | | 100 |

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

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