Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
Data File : BF114645.D
Acq On : 29 May 2019 20:56
Operator : HP/JU
Sample : K3068-08MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-4W(3-4)MS

**Manual Integrations APPROVED**
mohammad
5/30/2019 12:47:55 PM

Quant Time: May 30 04:41:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 19:08:51 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.69 | 152 | 303991 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 7.97 | 136 | 1177785 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.72 | 164 | 595137 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.19 | 188 | 1202050 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 13.82 | 240 | 759619 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 15.20 | 264 | 825002 | 20.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.30 | 112 | 2154245 | 124.42 | ng | 0.01 |
| 7) Phenol-d6 | 6.33 | 99 | 2763053 | 132.43 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.26 | 82 | 1702433 | 90.18 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.51 | 330 | 799136 | 140.92 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.05 | 172 | 2949479 | 94.97 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.78 | 244 | 3370511 | 83.42 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.36 | 88 | 298115 | 35.879 | ng | 98 |
| 3) Pyridine | 3.06 | 79 | 827014 | 34.200 | ng | 99 |
| 4) n-Nitrosodimethylamine | 2.99 | 42 | 404448 | 41.331 | ng | 99 |
| 6) Aniline | 6.36 | 93 | 698284 | 22.157 | ng | 100 |
| 8) 2-Chlorophenol | 6.48 | 128 | 893268 | 44.673 | ng | 99 |
| 9) Benzaldehyde | 6.23 | 77 | 387507 | 30.744 | ng | 100 |
| 10) Phenol | 6.35 | 94 | 1055264 | 41.868 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 6.43 | 93 | 838800 | 43.508 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 6.63 | 146 | 949765 | 41.691 | ng | 96 |
| 13) 1,4-Dichlorobenzene | 6.71 | 146 | 946550 | 41.417 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 6.87 | 146 | 890591 | 42.803 | ng | 99 |
| 15) Benzyl Alcohol | 6.84 | 79 | 754348 | 45.963 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.98 | 45 | 1254864 | 42.437 | ng | 100 |
| 17) 2-Methylphenol | 6.95 | 107 | 749435 | 44.313 | ng | 99 |
| 18) Hexachloroethane | 7.21 | 117 | 352677 | 40.758 | ng | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.12 | 70 | 614040 | 42.636 | ng | 98 |
| 20) 3+4-Methylphenols | 7.10 | 107 | 854401 | 42.954 | ng | 96 |
| 22) Acetophenone | 7.10 | 105 | 1162799 | 46.336 | ng | 97 |
| 24) Nitrobenzene | 7.27 | 77 | 913040 | 45.530 | ng | 97 |
| 25) Isophorone | 7.52 | 82 | 1735446 | 45.807 | ng | 99 |
| 26) 2-Nitrophenol | 7.59 | 139 | 468449 | 47.990 | ng | 97 |
| 27) 2,4-Dimethylphenol | 7.63 | 122 | 828475 | 51.032 | ng | 100 |
| 28) bis(2-Chloroethoxy)methane | 7.73 | 93 | 1096553 | 45.468 | ng | 100 |
| 29) 2,4-Dichlorophenol | 7.83 | 162 | 777433 | 47.048 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 7.92 | 180 | 837702 | 44.497 | ng | 99 |
| 31) Naphthalene | 8.00 | 128 | 2451710 | 45.192 | ng | 99 |
| 32) Benzoic acid | 7.72 | 122 | 168535 | 15.983 | ng | 98 |
| 33) 4-Chloroaniline | 8.04 | 127 | 310335 | 12.007 | ng | 98 |
| 34) Hexachlorobutadiene | 8.12 | 225 | 449627 | 42.993 | ng | 99 |
| 35) Caprolactam | 8.41 | 113 | 267765m | 48.017 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.53 | 107 | 817330 | 49.322 | ng | 97 |
| 37) 2-Methylnaphthalene | 8.69 | 142 | 1750883 | 48.574 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.79 | 142 | 1634938 | 47.873 | ng | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.86 | 216 | 717176 | 45.251 | ng | 99 |

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|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.85 | 237 | 774885 | 73.987 ng | 98 |
| 43) 2,4,6-Trichlorophenol | 8.96 | 196 | 567527 | 45.509 ng | 99 |
| 44) 2,4,5-Trichlorophenol | 9.00 | 196 | 611625 | 49.149 ng | 98 |
| 46) 1,1'-Biphenyl | 9.15 | 154 | 2012866 | 45.563 ng | 99 |
| 47) 2-Chloronaphthalene | 9.17 | 162 | 1649830 | 45.527 ng | 98 |
| 48) 2-Nitroaniline | 9.26 | 65 | 500974 | 44.798 ng | 98 |
| 49) Acenaphthylene | 9.59 | 152 | 2534785 | 45.277 ng | 100 |
| 50) Dimethylphthalate | 9.46 | 163 | 2439747 | 58.832 ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.51 | 165 | 466943 | 48.458 ng | 95 |
| 52) Acenaphthene | 9.76 | 154 | 1653935 | 48.172 ng | 100 |
| 53) 3-Nitroaniline | 9.67 | 138 | 261368 | 22.162 ng | 99 |
| 54) 2,4-Dinitrophenol | 9.77 | 184 | 279863 | 73.631 ng | 94 |
| 55) Dibenzofuran | 9.93 | 168 | 2263795 | 46.320 ng | 99 |
| 56) 4-Nitrophenol | 9.83 | 139 | 850770 | 97.345 ng | 90 |
| 57) 2,4-Dinitrotoluene | 9.91 | 165 | 620516 | 50.175 ng | 87 |
| 58) Fluorene | 10.27 | 166 | 1559622 | 49.546 ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.05 | 232 | 522421 | 51.288 ng | 100 |
| 60) Diethylphthalate | 10.15 | 149 | 2013222 | 47.532 ng | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.26 | 204 | 778950 | 48.887 ng | 100 |
| 62) 4-Nitroaniline | 10.28 | 138 | 490805 | 42.708 ng | 99 |
| 63) Azobenzene | 10.42 | 77 | 1842115 | 47.371 ng | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 10.31 | 198 | 242843 | 45.561 ng | 96 |
| 66) n-Nitrosodiphenylamine | 10.38 | 169 | 1636312 | 46.074 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.75 | 248 | 565572 | 43.875 ng | 98 |
| 68) Hexachlorobenzene | 10.82 | 284 | 598364 | 42.857 ng | 97 |
| 69) Atrazine | 10.91 | 200 | 517788 | 47.633 ng | 99 |
| 70) Pentachlorophenol | 11.00 | 266 | 698416 | 86.778 ng | 99 |
| 71) Phenanthrene | 11.22 | 178 | 2575930 | 42.009 ng | 100 |
| 72) Anthracene | 11.27 | 178 | 2671524 | 43.047 ng | 99 |
| 73) Carbazole | 11.42 | 167 | 2483713 | 45.537 ng | 100 |
| 74) Di-n-butylphthalate | 11.77 | 149 | 3055932 | 46.880 ng | 100 |
| 75) Fluoranthene | 12.40 | 202 | 2729816 | 42.993 ng | 99 |
| 77) Benzidine | 12.52 | 184 | 1083490 | 34.639 ng | 98 |
| 78) Pyrene | 12.63 | 202 | 2761298 | 42.972 ng | 100 |
| 80) Butylbenzylphthalate | 13.26 | 149 | 1467692 | 45.448 ng | 99 |
| 81) Benzo(a)anthracene | 13.81 | 228 | 2461056 | 42.160 ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.77 | 252 | 441082 | 19.566 ng | 98 |
| 83) Chrysene | 13.84 | 228 | 2387815 | 42.814 ng | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 13.82 | 149 | 1884408 | 47.200 ng | 100 |
| 85) Di-n-octyl phthalate | 14.43 | 149 | 3205404 | 46.209 ng | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.53 | 276 | 2386173 | 42.718 ng | 100 |
| 88) Benzo(b)fluoranthene | 14.82 | 252 | 2304929 | 44.358 ng | 100 |
| 89) Benzo(k)fluoranthene | 14.84 | 252 | 2157600 | 47.773 ng | 100 |
| 90) Benzo(a)pyrene | 15.14 | 252 | 2129946 | 46.660 ng | 97 |
| 91) Dibenzo(a,h)anthracene | 16.54 | 278 | 1967126 | 48.767 ng | 99 |
| 92) Benzo(g,h,i)perylene | 16.92 | 276 | 2011042 | 51.368 ng | 99 |

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

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