Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110619\
Data File : BF117698.D
Acq On : 6 Nov 2019 13:54
Operator : JU
Sample : SSTDICC050
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDICC050

**Manual Integrations APPROVED**
Sohil
11/8/2019 3:30:31 PM

Quant Time: Nov 06 15:14:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 14:03:21 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.94 | 152 | 380439 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.23 | 136 | 1429495 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.99 | 164 | 753160 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.47 | 188 | 1347008 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.13 | 240 | 898127 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.64 | 264 | 837878 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.55 | 112 | 2080843 | 90.27 | ng | | 0.00 |
| 7) Phenol-d6 | 6.56 | 99 | 2557813 | 89.87 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.50 | 82 | 2408705 | 103.81 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.78 | 330 | 722962 | 98.50 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.30 | 172 | 3918634 | 99.78 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.07 | 244 | 4231819 | 97.84 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.76 | 88 | 526949 | 49.073 | ng | | 99 |
| 3) Pyridine | 3.52 | 79 | 1447658 | 49.945 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 3.49 | 42 | 641357 | 48.857 | ng | | 98 |
| 6) Aniline | 6.60 | 93 | 1827039 | 47.306 | ng | | 99 |
| 8) 2-Chlorophenol | 6.72 | 128 | 1167617 | 49.377 | ng | | 97 |
| 9) Benzaldehyde | 6.49 | 77 | 896319 | 59.849 | ng | | 98 |
| 10) Phenol | 6.57 | 94 | 1406125 | 49.471 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.67 | 93 | 1146395 | 49.137 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.88 | 146 | 1337487 | 48.993 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.96 | 146 | 1345671 | 49.083 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.11 | 146 | 1243052 | 49.492 | ng | | 99 |
| 15) Benzyl Alcohol | 7.07 | 79 | 1046319 | 50.101 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.21 | 45 | 1818543 | 48.987 | ng | | 100 |
| 17) 2-Methylphenol | 7.18 | 107 | 997229 | 48.857 | ng | | 99 |
| 18) Hexachloroethane | 7.46 | 117 | 505826 | 49.806 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.36 | 70 | 834722 | 48.200 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.34 | 107 | 1171894 | 48.671 | ng | | 90 |
| 22) Acetophenone | 7.35 | 105 | 1591350 | 49.427 | ng | # | 98 |
| 24) Nitrobenzene | 7.52 | 77 | 1254844 | 52.535 | ng | | 97 |
| 25) Isophorone | 7.76 | 82 | 2258993 | 50.782 | ng | | 99 |
| 26) 2-Nitrophenol | 7.84 | 139 | 602203 | 57.301 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 7.87 | 122 | 977839 | 51.425 | ng | | 100 |
| 28) bis(2-Chloroethoxy)methane | 7.97 | 93 | 1462365 | 52.063 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.07 | 162 | 1022247 | 53.390 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.16 | 180 | 1165074 | 53.089 | ng | | 99 |
| 31) Naphthalene | 8.25 | 128 | 3190618 | 51.336 | ng | | 99 |
| 32) Benzoic acid | 7.99 | 122 | 824125m | 58.152 | ng | | |
| 33) 4-Chloroaniline | 8.29 | 127 | 1497668 | 51.058 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.37 | 225 | 666368 | 53.050 | ng | | 99 |
| 35) Caprolactam | 8.67 | 113 | 328589m | 50.763 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.77 | 107 | 1010696 | 51.866 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.94 | 142 | 2170491 | 51.445 | ng | | 99 |
| 38) 1-Methylnaphthalene | 9.04 | 142 | 2061253 | 51.572 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.10 | 216 | 1021778 | 51.201 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.10 | 237 | 568432 | 51.592 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.22 | 196 | 747923 | 54.312 | ng | | 100 |
| 44) 2,4,5-Trichlorophenol | 9.25 | 196 | 768154 | 55.450 | ng | | 96 |
| 46) 1,1'-Biphenyl | 9.41 | 154 | 2560898 | 49.060 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.43 | 162 | 2154650 | 51.694 | ng | | 98 |
| 48) 2-Nitroaniline | 9.52 | 65 | 693920 | 55.378 | ng | | 95 |
| 49) Acenaphthylene | 9.85 | 152 | 3136578 | 51.112 | ng | | 98 |
| 50) Dimethylphthalate | 9.71 | 163 | 2478197 | 51.792 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.77 | 165 | 577687 | 55.515 | ng | | 87 |
| 52) Acenaphthene | 10.02 | 154 | 2012367 | 51.972 | ng | | 99 |
| 53) 3-Nitroaniline | 9.94 | 138 | 696644 | 55.002 | ng | | 91 |
| 54) 2,4-Dinitrophenol | 10.03 | 184 | 205012 | 60.853 | ng | # | 66 |
| 55) Dibenzofuran | 10.19 | 168 | 2831203 | 51.949 | ng | | 99 |
| 56) 4-Nitrophenol | 10.08 | 139 | 517876 | 55.177 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 10.17 | 165 | 748407 | 57.272 | ng | | 90 |
| 58) Fluorene | 10.54 | 166 | 2067658 | 51.175 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.30 | 232 | 640264 | 57.431 | ng | | 100 |
| 60) Diethylphthalate | 10.41 | 149 | 2478011 | 52.786 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.53 | 204 | 1080976 | 51.729 | ng | | 97 |
| 62) 4-Nitroaniline | 10.56 | 138 | 686384 | 55.624 | ng | | 99 |
| 63) Azobenzene | 10.69 | 77 | 2329821 | 51.676 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 10.58 | 198 | 290403 | 59.869 | ng | | 89 |
| 66) n-Nitrosodiphenylamine | 10.65 | 169 | 1983859 | 50.770 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 11.02 | 248 | 733014 | 51.441 | ng | | 95 |
| 68) Hexachlorobenzene | 11.09 | 284 | 847086 | 51.254 | ng | | 96 |
| 69) Atrazine | 11.17 | 200 | 651451 | 80.673 | ng | | 99 |
| 70) Pentachlorophenol | 11.27 | 266 | 497128 | 59.367 | ng | | 99 |
| 71) Phenanthrene | 11.50 | 178 | 3170061 | 50.177 | ng | | 99 |
| 72) Anthracene | 11.56 | 178 | 3120975 | 49.159 | ng | | 98 |
| 73) Carbazole | 11.70 | 167 | 2880784 | 49.632 | ng | | 98 |
| 74) Di-n-butylphthalate | 12.04 | 149 | 3527467 | 50.632 | ng | | 98 |
| 75) Fluoranthene | 12.70 | 202 | 3213873 | 49.895 | ng | | 98 |
| 77) Benzidine | 12.81 | 184 | 1603509 | 90.833 | ng | | 98 |
| 78) Pyrene | 12.93 | 202 | 3248553 | 51.454 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.54 | 149 | 1532869 | 53.423 | ng | | 93 |
| 81) Benzo(a)anthracene | 14.12 | 228 | 2764356 | 52.225 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 14.08 | 252 | 1057865 | 55.432 | ng | | 98 |
| 83) Chrysene | 14.16 | 228 | 2739649 | 52.611 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phthalate | 14.10 | 149 | 1952999 | 53.182 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.73 | 149 | 3069864 | 53.893 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 17.18 | 276 | 2498229 | 51.154 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.19 | 252 | 2713962 | 54.615 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.23 | 252 | 2331685 | 50.712 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.57 | 252 | 2307238 | 52.847 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.20 | 278 | 2059697 | 52.999 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.64 | 276 | 2027744 | 53.388 | ng | | 100 |

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

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