Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011819\
Data File : BF112134.D
Acq On : 18 Jan 2019 19:41
Operator : JU/SJ
Sample : K1011-06MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-011719-AMSD

**Manual Integrations APPROVED**
Sohil
1/21/2019 12:00:57 PM

Quant Time: Jan 19 00:28:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 18 23:33:58 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.86 | 152 | 273806 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.14 | 136 | 1049829 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.90 | 164 | 527132 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.38 | 188 | 944295 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.03 | 240 | 595242 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.50 | 264 | 593879 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.51 | 112 | 1684922 | 111.69 | ng | | 0.02 |
| 7) Phenol-d6 | 6.51 | 99 | 1990539 | 105.46 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 1489927 | 98.05 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.69 | 330 | 740256 | 130.18 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.22 | 172 | 2935147 | 81.64 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.97 | 244 | 2615121 | 93.46 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.79 | 88 | 223250 | 31.554 | ng | # | 84 |
| 3) Pyridine | 3.52 | 79 | 528076 | 29.801 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.44 | 42 | 283136 | 39.353 | ng | | 98 |
| 6) Aniline | 6.52 | 93 | 260375 | 11.342 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.65 | 128 | 706213 | 40.308 | ng | | 95 |
| 9) Benzaldehyde | 6.41 | 77 | 168550 | 12.720 | ng | | 96 |
| 10) Phenol | 6.52 | 94 | 677736 | 32.856 | ng | | 81 |
| 11) bis(2-Chloroethyl)ether | 6.59 | 93 | 647623 | 39.486 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.80 | 146 | 773684 | 38.695 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.87 | 146 | 784068 | 38.337 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.03 | 146 | 731126 | 38.809 | ng | | 99 |
| 15) Benzyl Alcohol | 7.00 | 79 | 586833 | 41.732 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.13 | 45 | 853738 | 36.096 | ng | | 83 |
| 17) 2-Methylphenol | 7.12 | 107 | 544061 | 41.350 | ng | | 95 |
| 18) Hexachloroethane | 7.37 | 117 | 271531 | 39.778 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70 | 476863 | 41.473 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.27 | 107 | 679866 | 42.616 | ng | # | 75 |
| 22) Acetophenone | 7.26 | 105 | 944272 | 38.824 | ng | | 96 |
| 24) Nitrobenzene | 7.44 | 77 | 724572 | 44.993 | ng | | 98 |
| 25) Isophorone | 7.68 | 82 | 1308646 | 44.587 | ng | | 98 |
| 26) 2-Nitrophenol | 7.76 | 139 | 385974 | 46.821 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.80 | 122 | 621253 | 45.600 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 842635 | 41.854 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.00 | 162 | 627105 | 42.136 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.08 | 180 | 685603 | 39.695 | ng | | 100 |
| 31) Naphthalene | 8.16 | 128 | 2048103 | 42.893 | ng | | 99 |
| 32) Benzoic acid | 7.93 | 122 | 304088 | 48.274 | ng | | 99 |
| 33) 4-Chloroaniline | 8.21 | 127 | 156648 | 7.300 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.28 | 225 | 371402 | 38.641 | ng | | 100 |
| 35) Caprolactam | 8.58 | 113 | 162799m | 31.254 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.70 | 107 | 623511 | 42.894 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 1468126 | 45.279 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.95 | 142 | 1391559 | 44.656 | ng | | 97 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 684920 | 40.463 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.01 | 237 | 267769 | 43.562 ng | 97 |
| 43) 2,4,6-Trichlorophenol | 9.14 | 196 | 456382 | 45.070 ng | 100 |
| 44) 2,4,5-Trichlorophenol | 9.19 | 196 | 481938 | 44.687 ng | 99 |
| 46) 1,1'-Biphenyl | 9.32 | 154 | 1788508 | 40.577 ng | 100 |
| 47) 2-Chloronaphthalene | 9.35 | 162 | 1371064 | 39.738 ng | 98 |
| 48) 2-Nitroaniline | 9.44 | 65 | 382165 | 49.176 ng | 95 |
| 49) Acenaphthylene | 9.76 | 152 | 2160484 | 42.911 ng | 99 |
| 50) Dimethylphthalate | 9.62 | 163 | 1693691 | 44.058 ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.68 | 165 | 378731 | 49.332 ng | 92 |
| 52) Acenaphthene | 9.93 | 154 | 1266697 | 41.119 ng | 100 |
| 53) 3-Nitroaniline | 9.85 | 138 | 124897 | 14.548 ng | 89 |
| 54) 2,4-Dinitrophenol | 9.96 | 184 | 175126 | 73.530 ng | 94 |
| 55) Dibenzofuran | 10.10 | 168 | 1908427 | 40.966 ng | 97 |
| 56) 4-Nitrophenol | 10.03 | 139 | 458054 | 75.029 ng | 97 |
| 57) 2,4-Dinitrotoluene | 10.09 | 165 | 491029 | 49.651 ng | 91 |
| 58) Fluorene | 10.45 | 166 | 1500744 | 43.116 ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.23 | 232 | 395677 | 48.619 ng | 99 |
| 60) Diethylphthalate | 10.32 | 149 | 1642206 | 43.763 ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.43 | 204 | 751160 | 39.993 ng | 95 |
| 62) 4-Nitroaniline | 10.46 | 138 | 322390 | 37.818 ng | 97 |
| 63) Azobenzene | 10.60 | 77 | 1422806 | 39.593 ng | 93 |
| 65) 4,6-Dinitro-2-methylphenol | 10.50 | 198 | 136355 | 37.428 ng | 91 |
| 66) n-Nitrosodiphenylamine | 10.56 | 169 | 1368463 | 43.836 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.92 | 248 | 475977 | 43.395 ng | 97 |
| 68) Hexachlorobenzene | 11.00 | 284 | 484122 | 40.974 ng | 96 |
| 69) Atrazine | 11.08 | 200 | 468662 | 46.524 ng | 98 |
| 70) Pentachlorophenol | 11.20 | 266 | 441112 | 77.828 ng | 100 |
| 71) Phenanthrene | 11.41 | 178 | 2077139 | 43.709 ng | 100 |
| 72) Anthracene | 11.46 | 178 | 2088330 | 43.380 ng | 99 |
| 73) Carbazole | 11.62 | 167 | 1865710 | 38.688 ng | 99 |
| 74) Di-n-butylphthalate | 11.94 | 149 | 2457537 | 45.304 ng | 100 |
| 75) Fluoranthene | 12.60 | 202 | 1912486 | 38.116 ng | 99 |
| 77) Benzidine | 12.71 | 184 | 447129 | 22.514 ng | 95 |
| 78) Pyrene | 12.83 | 202 | 1866475 | 47.527 ng | 100 |
| 80) Butylbenzylphthalate | 13.44 | 149 | 895688 | 51.989 ng | 99 |
| 81) Benzo(a)anthracene | 14.02 | 228 | 1524091 | 44.656 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.97 | 252 | 380568 | 29.775 ng | 98 |
| 83) Chrysene | 14.05 | 228 | 1435435 | 44.449 ng | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 14.00 | 149 | 1273291 | 51.568 ng | 99 |
| 85) Di-n-octyl phthalate | 14.60 | 149 | 1942211 | 51.052 ng | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.99 | 276 | 1326156 | 44.511 ng | 99 |
| 88) Benzo(b)fluoranthene | 15.07 | 252 | 1489435 | 44.183 ng | 99 |
| 89) Benzo(k)fluoranthene | 15.10 | 252 | 1439556 | 44.120 ng | 99 |
| 90) Benzo(a)pyrene | 15.44 | 252 | 1410185 | 45.614 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.99 | 278 | 1115971 | 40.642 ng | 100 |
| 92) Benzo(g,h,i)perylene | 17.43 | 276 | 1033923 | 38.221 ng | 99 |

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

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