Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
Data File : BF113407.D
Acq On : 29 Mar 2019 11:09
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
Sohil
4/1/2019 5:46:23 PM

Quant Time: Mar 29 13:06:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 26 03:32:08 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.70 | 152 | 197252 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 7.99 | 136 | 788955 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.74 | 164 | 393678 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.22 | 188 | 789122 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 13.85 | 240 | 585092 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 15.24 | 264 | 469804 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.32 | 112 | 869360 | 72.07 | ng | 0.00 |
| 7) Phenol-d6 | 6.36 | 99 | 1082393 | 70.93 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.27 | 82 | 1018720 | 76.64 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.53 | 330 | 357229 | 73.46 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.06 | 172 | 1846003 | 70.48 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.80 | 244 | 2029279 | 76.45 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.36 | 88 | 207844 | 33.958 | ng | 98 |
| 3) Pyridine | 3.06 | 79 | 566166 | 37.522 | ng | 97 |
| 4) n-Nitrosodimethylamine | 3.01 | 42 | 228322 | 34.038 | ng | 89 |
| 6) Aniline | 6.37 | 93 | 671196 | 36.116 | ng | 97 |
| 8) 2-Chlorophenol | 6.49 | 128 | 510323 | 36.429 | ng | 99 |
| 9) Benzaldehyde | 6.25 | 77 | 371087 | 36.236 | ng | 99 |
| 10) Phenol | 6.37 | 94 | 609245 | 34.969 | ng | 98 |
| 11) bis(2-Chloroethyl)ether | 6.45 | 93 | 492335 | 36.865 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.65 | 146 | 545842 | 36.147 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 6.72 | 146 | 550913 | 37.785 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 6.87 | 146 | 500551 | 34.896 | ng | 99 |
| 15) Benzyl Alcohol | 6.86 | 79 | 373974 | 37.145 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.99 | 45 | 766949 | 38.228 | ng | 97 |
| 17) 2-Methylphenol | 6.97 | 107 | 406488 | 37.026 | ng | 99 |
| 18) Hexachloroethane | 7.22 | 117 | 200986 | 38.380 | ng | 95 |
| 19) n-Nitroso-di-n-propylamine | 7.13 | 70 | 339522 | 35.419 | ng | 98 |
| 20) 3+4-Methylphenols | 7.13 | 107 | 480695 | 36.746 | ng | 96 |
| 22) Acetophenone | 7.12 | 105 | 658147 | 36.579 | ng | 98 |
| 24) Nitrobenzene | 7.29 | 77 | 529035 | 38.140 | ng | 100 |
| 25) Isophorone | 7.53 | 82 | 989049 | 38.395 | ng | 99 |
| 26) 2-Nitrophenol | 7.60 | 139 | 291440 | 39.750 | ng | 97 |
| 27) 2,4-Dimethylphenol | 7.65 | 122 | 410517 | 38.924 | ng | 100 |
| 28) bis(2-Chloroethoxy)methane | 7.74 | 93 | 635289 | 39.162 | ng | 99 |
| 29) 2,4-Dichlorophenol | 7.86 | 162 | 445122 | 38.946 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 7.93 | 180 | 469155 | 38.047 | ng | 98 |
| 31) Naphthalene | 8.01 | 128 | 1443313 | 37.436 | ng | 100 |
| 32) Benzoic acid | 7.80 | 122 | 309837m | 36.496 | ng | |
| 33) 4-Chloroaniline | 8.06 | 127 | 617516 | 41.074 | ng | 98 |
| 34) Hexachlorobutadiene | 8.13 | 225 | 286143 | 39.043 | ng | 98 |
| 35) Caprolactam | 8.45 | 113 | 148442 | 40.468 | ng | 96 |
| 36) 4-Chloro-3-methylphenol | 8.56 | 107 | 452740 | 39.384 | ng | 98 |
| 37) 2-Methylnaphthalene | 8.70 | 142 | 955788 | 39.731 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.80 | 142 | 923904 | 39.928 | ng | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.87 | 216 | 464855 | 36.785 | ng | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.86 | 237 | 219427 | 41.023 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 8.99 | 196 | 300917 | 36.567 | ng | | 100 |
| 44) 2,4,5-Trichlorophenol | 9.03 | 196 | 333701 | 36.642 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.16 | 154 | 1190150 | 36.197 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.19 | 162 | 917802 | 36.254 | ng | | 99 |
| 48) 2-Nitroaniline | 9.29 | 65 | 291570 | 36.701 | ng | | 98 |
| 49) Acenaphthylene | 9.60 | 152 | 1499567 | 36.634 | ng | | 99 |
| 50) Dimethylphthalate | 9.47 | 163 | 1102822 | 37.801 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.53 | 165 | 249863 | 37.963 | ng | # | 84 |
| 52) Acenaphthene | 9.77 | 154 | 837626 | 36.337 | ng | | 99 |
| 53) 3-Nitroaniline | 9.70 | 138 | 262840 | 35.412 | ng | | 92 |
| 54) 2,4-Dinitrophenol | 9.81 | 184 | 135875 | 41.507 | ng | | 96 |
| 55) Dibenzofuran | 9.95 | 168 | 1253080 | 36.159 | ng | | 99 |
| 56) 4-Nitrophenol | 9.87 | 139 | 172139 | 32.530 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 9.93 | 165 | 306061 | 36.567 | ng | | 95 |
| 58) Fluorene | 10.29 | 166 | 966838 | 35.914 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.07 | 232 | 297807 | 38.669 | ng | | 97 |
| 60) Diethylphthalate | 10.16 | 149 | 1061682 | 37.096 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.27 | 204 | 489649 | 37.318 | ng | | 97 |
| 62) 4-Nitroaniline | 10.31 | 138 | 290510 | 38.015 | ng | | 98 |
| 63) Azobenzene | 10.43 | 77 | 1021519 | 37.917 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.35 | 198 | 148869 | 34.486 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 10.40 | 169 | 883085 | 36.469 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.76 | 248 | 330512 | 38.428 | ng | | 97 |
| 68) Hexachlorobenzene | 10.84 | 284 | 379262 | 37.990 | ng | | 99 |
| 69) Atrazine | 10.93 | 200 | 297869 | 38.973 | ng | | 97 |
| 70) Pentachlorophenol | 11.03 | 266 | 195731 | 37.631 | ng | | 99 |
| 71) Phenanthrene | 11.24 | 178 | 1433200 | 36.572 | ng | | 100 |
| 72) Anthracene | 11.29 | 178 | 1468867 | 36.902 | ng | | 99 |
| 73) Carbazole | 11.45 | 167 | 1428600 | 37.612 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.78 | 149 | 1698829 | 38.570 | ng | | 100 |
| 75) Fluoranthene | 12.43 | 202 | 1573620 | 35.521 | ng | | 99 |
| 77) Benzidine | 12.55 | 184 | 525898 | 23.471 | ng | | 99 |
| 78) Pyrene | 12.65 | 202 | 1585911 | 39.115 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.27 | 149 | 707746 | 39.608 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.84 | 228 | 1216682 | 36.328 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.80 | 252 | 531586 | 39.565 | ng | | 99 |
| 83) Chrysene | 13.87 | 228 | 1280363 | 37.637 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 13.83 | 149 | 866970 | 39.579 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.43 | 149 | 1466989 | 39.454 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 16.61 | 276 | 1004171 | 34.395 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 14.85 | 252 | 1076559 | 36.889 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 14.88 | 252 | 1012167 | 39.493 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.19 | 252 | 948919 | 36.676 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.62 | 278 | 835672 | 37.355 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 17.01 | 276 | 836101 | 37.067 | ng | | 98 |

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

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