Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118682.D
Acq On : 24 Jan 2020 13:20
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 01:15:42 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 27 01:13:13 2020
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
mohammad
1/28/2020 8:12:07 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.86 | 152 | 272966 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 8.15 | 136 | 1000852 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 9.90 | 164 | 567733 | 20.00 | ng | | -0.03 |
| 64) Phenanthrene-d10 | 11.38 | 188 | 1071400 | 20.00 | ng | | -0.03 |
| 76) Chrysene-d12 | 14.02 | 240 | 828245 | 20.00 | ng | | -0.03 |
| 87) Perylene-d12 | 15.47 | 264 | 801996 | 20.00 | ng | | -0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.48 | 112 | 1123446 | 76.44 | ng | | -0.02 |
| 7) Phenol-d6 | 6.49 | 99 | 1412888 | 73.96 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.43 | 82 | 1295311 | 72.39 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.69 | 330 | 503956 | 76.75 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 9.22 | 172 | 2523113 | 73.05 | ng | | -0.02 |
| 79) Terphenyl-d14 | 12.96 | 244 | 3117538 | 82.10 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.60 | 88 | 270870 | 38.051 | ng | | 95 |
| 3) Pyridine | 3.36 | 79 | 759589 | 37.858 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.30 | 42 | 279356m | 32.476 | ng | | |
| 6) Aniline | 6.53 | 93 | 899398 | 35.756 | ng | | 96 |
| 8) 2-Chlorophenol | 6.65 | 128 | 628220 | 38.082 | ng | | 96 |
| 9) Benzaldehyde | 6.41 | 77 | 423974 | 36.494 | ng | | 95 |
| 10) Phenol | 6.50 | 94 | 793143 | 36.433 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.60 | 93 | 592017 | 36.653 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.81 | 146 | 737401 | 38.190 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.88 | 146 | 751562 | 38.775 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.04 | 146 | 697518 | 38.282 | ng | | 97 |
| 15) Benzyl Alcohol | 7.00 | 79 | 547999 | 36.174 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.14 | 45 | 756766 | 33.638 | ng | | 99 |
| 17) 2-Methylphenol | 7.11 | 107 | 510122 | 37.123 | ng | | 97 |
| 18) Hexachloroethane | 7.38 | 117 | 260026 | 36.997 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70 | 427639 | 33.154 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.26 | 107 | 632008 | 37.671 | ng | # | 83 |
| 22) Acetophenone | 7.27 | 105 | 844517 | 35.620 | ng | # | 95 |
| 24) Nitrobenzene | 7.45 | 77 | 650278 | 35.492 | ng | | 93 |
| 25) Isophorone | 7.69 | 82 | 1153092 | 35.331 | ng | | 97 |
| 26) 2-Nitrophenol | 7.76 | 139 | 322355 | 41.258 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 7.80 | 122 | 466867 | 34.604 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 751981 | 35.759 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.00 | 162 | 557715 | 37.394 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.09 | 180 | 655207 | 37.888 | ng | | 98 |
| 31) Naphthalene | 8.17 | 128 | 1765369 | 39.047 | ng | | 98 |
| 32) Benzoic acid | 7.90 | 122 | 371720 | 36.711 | ng | | 96 |
| 33) 4-Chloroaniline | 8.21 | 127 | 786326 | 37.629 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.29 | 225 | 393397 | 37.355 | ng | | 99 |
| 35) Caprolactam | 8.57 | 113 | 176229 | 36.106 | ng | | 87 |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 551787 | 37.465 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 1231317 | 38.583 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.96 | 142 | 1173340 | 38.700 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.03 | 216 | 669755 | 37.703 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.02 | 237 | 286876 | 32.008 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.13 | 196 | 446164 | 37.849 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.17 | 196 | 456577 | 37.925 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.32 | 154 | 1564363 | 39.981 | ng | | 96 |
| 47) 2-Chloronaphthalene | 9.35 | 162 | 1275798 | 38.684 | ng | | 97 |
| 48) 2-Nitroaniline | 9.43 | 65 | 354211 | 34.939 | ng | | 93 |
| 49) Acenaphthylene | 9.76 | 152 | 1820094 | 39.229 | ng | | 96 |
| 50) Dimethylphthalate | 9.62 | 163 | 1456089 | 39.366 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.68 | 165 | 326909 | 39.469 | ng | # | 74 |
| 52) Acenaphthene | 9.93 | 154 | 1194304 | 38.496 | ng | | 97 |
| 53) 3-Nitroaniline | 9.85 | 138 | 363736 | 38.459 | ng | | 95 |
| 54) 2,4-Dinitrophenol | 9.95 | 184 | 136605 | 41.312 | ng | # | 32 |
| 55) Dibenzofuran | 10.10 | 168 | 1707593 | 39.717 | ng | | 95 |
| 56) 4-Nitrophenol | 10.00 | 139 | 267760 | 37.503 | ng | | 88 |
| 57) 2,4-Dinitrotoluene | 10.08 | 165 | 423650 | 40.573 | ng | | 93 |
| 58) Fluorene | 10.45 | 166 | 1295555 | 38.384 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.22 | 232 | 402461 | 38.008 | ng | | 98 |
| 60) Diethylphthalate | 10.32 | 149 | 1423822 | 39.702 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.44 | 204 | 710487 | 38.704 | ng | | 99 |
| 62) 4-Nitroaniline | 10.46 | 138 | 352881 | 36.374 | ng | | 94 |
| 63) Azobenzene | 10.60 | 77 | 1266248 | 36.458 | ng | | 94 |
| 65) 4,6-Dinitro-2-methylphenol | 10.49 | 198 | 200503 | 42.559 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 10.56 | 169 | 1196895 | 37.043 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.93 | 248 | 487199 | 36.807 | ng | | 94 |
| 68) Hexachlorobenzene | 11.00 | 284 | 542766 | 36.167 | ng | | 97 |
| 69) Atrazine | 11.08 | 200 | 401573 | 35.858 | ng | | 99 |
| 70) Pentachlorophenol | 11.19 | 266 | 306279 | 36.708 | ng | | 97 |
| 71) Phenanthrene | 11.41 | 178 | 2010344 | 38.893 | ng | | 94 |
| 72) Anthracene | 11.46 | 178 | 2010054 | 39.301 | ng | | 95 |
| 73) Carbazole | 11.61 | 167 | 1793165 | 38.223 | ng | | 96 |
| 74) Di-n-butylphthalate | 11.95 | 149 | 2192866 | 42.072 | ng | | 97 |
| 75) Fluoranthene | 12.59 | 202 | 2166093 | 39.732 | ng | | 97 |
| 77) Benzidine | 12.71 | 184 | 821435 | 37.119 | ng | | 98 |
| 78) Pyrene | 12.82 | 202 | 2200322 | 39.130 | ng | | 95 |
| 80) Butylbenzylphthalate | 13.44 | 149 | 946967 | 41.149 | ng | | 92 |
| 81) Benzo(a)anthracene | 14.01 | 228 | 1927280 | 38.682 | ng | | 96 |
| 82) 3,3'-Dichlorobenzidine | 13.97 | 252 | 771747 | 43.470 | ng | | 98 |
| 83) Chrysene | 14.04 | 228 | 1860340 | 38.959 | ng | | 96 |
| 84) Bis(2-ethylhexyl)phthalate | 14.00 | 149 | 1257862 | 44.739 | ng | | 97 |
| 85) Di-n-octyl phthalate | 14.61 | 149 | 2058816 | 49.472 | ng | | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 16.94 | 276 | 1674495 | 40.358 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.05 | 252 | 1821468 | 36.132 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.08 | 252 | 1829826 | 39.179 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.42 | 252 | 1644278 | 37.811 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.96 | 278 | 1387662 | 36.075 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.39 | 276 | 1293998 | 34.646 | ng | | 98 |

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

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