Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
Data File : BF111932.D
Acq On : 9 Jan 2019 3:35
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
1/9/2019 10:36:58 AM

Quant Time: Jan 09 04:07:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 07 14:33:51 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.89 | 152 | 112806 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.17 | 136 | 357191 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.93 | 164 | 139886 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.42 | 188 | 282614 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.06 | 240 | 184594 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.54 | 264 | 180101 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.52 | 112 | 543046 | 82.36 | ng | | 0.00 |
| 7) Phenol-d6 | 6.53 | 99 | 578265 | 68.04 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.45 | 82 | 578412 | 86.55 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.72 | 330 | 142539 | 78.34 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.25 | 172 | 788059 | 82.15 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.00 | 244 | 968918 | 99.64 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.64 | 88 | 139358 | 48.336 | ng | | 100 |
| 3) Pyridine | 3.41 | 79 | 360620 | 48.258 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.35 | 42 | 169145 | 45.493 | ng | | 99 |
| 6) Aniline | 6.55 | 93 | 418637 | 40.740 | ng | # | 69 |
| 8) 2-Chlorophenol | 6.68 | 128 | 277089 | 37.845 | ng | | 96 |
| 9) Benzaldehyde | 6.43 | 77 | 169144 | 33.634 | ng | | 96 |
| 10) Phenol | 6.55 | 94 | 363383 | 39.341 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.62 | 93 | 273467 | 38.270 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.83 | 146 | 272663 | 32.124 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.90 | 146 | 335226 | 38.920 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.06 | 146 | 330432 | 40.133 | ng | | 98 |
| 15) Benzyl Alcohol | 7.03 | 79 | 225966 | 33.605 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.16 | 45 | 487288 | 39.996 | ng | | 91 |
| 17) 2-Methylphenol | 7.15 | 107 | 227849 | 38.720 | ng | | 98 |
| 18) Hexachloroethane | 7.40 | 117 | 58227 | 19.362 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70 | 208117 | 37.690 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.30 | 107 | 288408 | 39.381 | ng | | 94 |
| 22) Acetophenone | 7.29 | 105 | 402209 | 44.478 | ng | # | 97 |
| 24) Nitrobenzene | 7.47 | 77 | 288167 | 42.623 | ng | | 98 |
| 25) Isophorone | 7.70 | 82 | 455142 | 42.056 | ng | | 99 |
| 26) 2-Nitrophenol | 7.79 | 139 | 90687 | 27.243 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 7.83 | 122 | 206756 | 42.957 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.91 | 93 | 311674 | 43.145 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.03 | 162 | 222410 | 40.185 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.12 | 180 | 251380 | 41.171 | ng | | 98 |
| 31) Naphthalene | 8.19 | 128 | 633378 | 37.354 | ng | | 99 |
| 32) Benzoic acid | 7.92 | 122 | 72736m | 23.287 | ng | | |
| 33) 4-Chloroaniline | 8.24 | 127 | 274088 | 37.394 | ng | | 100 |
| 34) Hexachlorobutadiene | 8.32 | 225 | 126548 | 33.293 | ng | | 99 |
| 35) Caprolactam | 8.60 | 113 | 55047m | 30.442 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.73 | 107 | 166359 | 30.231 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.89 | 142 | 343079 | 32.653 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.99 | 142 | 330488 | 32.795 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.05 | 216 | 186618 | 41.846 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.04 | 237 | 273 | 0.106 | ng | # | 27 |
| 43) 2,4,6-Trichlorophenol | 9.16 | 196 | 118182 | 39.071 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.21 | 196 | 122490 | 38.651 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.35 | 154 | 470338 | 40.196 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.37 | 162 | 364295 | 39.668 | ng | | 98 |
| 48) 2-Nitroaniline | 9.46 | 65 | 126656 | 45.110 | ng | | 98 |
| 49) Acenaphthylene | 9.79 | 152 | 525530 | 38.707 | ng | | 98 |
| 50) Dimethylphthalate | 9.64 | 163 | 406913 | 38.723 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.70 | 165 | 59609 | 25.367 | ng | | 96 |
| 52) Acenaphthene | 9.96 | 154 | 312199 | 35.668 | ng | | 99 |
| 53) 3-Nitroaniline | 9.87 | 138 | 117656 | 46.754 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 9.99 | 184 | 125 | 0.126 | ng | # | 1 |
| 55) Dibenzofuran | 10.13 | 168 | 489986 | 38.492 | ng | | 100 |
| 56) 4-Nitrophenol | 10.05 | 139 | 60331 | 33.930 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 10.11 | 165 | 68086 | 22.423 | ng | # | 97 |
| 58) Fluorene | 10.47 | 166 | 366264 | 39.543 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.26 | 232 | 105441 | 39.488 | ng | | 99 |
| 60) Diethylphthalate | 10.34 | 149 | 398428 | 39.179 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.46 | 204 | 201166 | 38.730 | ng | | 97 |
| 62) 4-Nitroaniline | 10.49 | 138 | 133055 | 55.744 | ng | | 99 |
| 63) Azobenzene | 10.63 | 77 | 362408 | 37.305 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylphenol | 10.52 | 198 | 801 | 0.459 | ng | # | 64 |
| 66) n-Nitrosodiphenylamine | 10.58 | 169 | 348209 | 36.716 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.96 | 248 | 128755 | 35.174 | ng | | 95 |
| 68) Hexachlorobenzene | 11.03 | 284 | 145030 | 35.750 | ng | | 100 |
| 69) Atrazine | 11.11 | 200 | 102478 | 30.755 | ng | | 98 |
| 70) Pentachlorophenol | 11.23 | 266 | 72253 | 31.299 | ng | | 99 |
| 71) Phenanthrene | 11.44 | 178 | 590987 | 39.112 | ng | | 99 |
| 72) Anthracene | 11.49 | 178 | 599316 | 39.072 | ng | | 99 |
| 73) Carbazole | 11.65 | 167 | 590422 | 39.572 | ng | | 98 |
| 74) Di-n-butylphthalate | 11.97 | 149 | 663732 | 38.298 | ng | | 100 |
| 75) Fluoranthene | 12.63 | 202 | 588086 | 37.912 | ng | | 99 |
| 77) Benzidine | 12.74 | 184 | 356319 | 64.600 | ng | | 97 |
| 78) Pyrene | 12.86 | 202 | 589560 | 46.418 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.47 | 149 | 271642 | 50.588 | ng | | 99 |
| 81) Benzo(a)anthracene | 14.05 | 228 | 414751 | 39.040 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 14.00 | 252 | 186427 | 47.533 | ng | | 99 |
| 83) Chrysene | 14.09 | 228 | 386214 | 38.128 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phthalate | 14.03 | 149 | 366814 | 52.016 | ng | # | 99 |
| 85) Di-n-octyl phthalate | 14.64 | 149 | 500446 | 49.589 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 17.05 | 276 | 352588 | 47.746 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.11 | 252 | 412310 | 38.271 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.14 | 252 | 412237 | 40.707 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.48 | 252 | 373878 | 39.468 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.06 | 278 | 308072 | 40.435 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.50 | 276 | 298562 | 40.065 | ng | | 98 |

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

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