Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
Data File : BF108405.D
Acq On : 23 Aug 2018 3:04
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
8/23/2018 3:43:35 PM

Quant Time: Aug 23 07:03:07 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 22 11:01:45 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.00 | 152 | 147088 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.29 | 136 | 563516 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.05 | 164 | 264188 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.54 | 188 | 445613 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.19 | 240 | 305353 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.75 | 264 | 271207 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 667496 | 82.16 | ng | | 0.00 |
| 7) Phenol-d6 | 6.62 | 99 | 873579 | 80.92 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.57 | 82 | 841542 | 83.33 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.84 | 330 | 190960 | 72.46 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.36 | 172 | 1512520 | 91.92 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.12 | 244 | 1088723 | 90.65 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.87 | 88 | 154842 | 37.092 | ng | | 89 |
| 3) Pyridine | 3.66 | 79 | 413178 | 38.422 | ng | | 88 |
| 4) n-Nitrosodimethylamine | 3.63 | 42 | 217958 | 36.020 | ng | # | 84 |
| 6) Aniline | 6.67 | 93 | 590198 | 40.190 | ng | | 98 |
| 8) 2-Chlorophenol | 6.79 | 128 | 375464 | 41.033 | ng | | 96 |
| 9) Benzaldehyde | 6.56 | 77 | 325743 | 38.916 | ng | | 97 |
| 10) Phenol | 6.64 | 94 | 453178 | 40.580 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 6.74 | 93 | 363014 | 40.208 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 6.94 | 146 | 437844 | 41.384 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.02 | 146 | 439991 | 41.391 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.18 | 146 | 401476 | 40.604 | ng | | 96 |
| 15) Benzyl Alcohol | 7.14 | 79 | 342669 | 37.703 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.27 | 45 | 688917 | 37.040 | ng | | 99 |
| 17) 2-Methylphenol | 7.25 | 107 | 326440 | 41.601 | ng | | 95 |
| 18) Hexachloroethane | 7.51 | 117 | 144434 | 38.165 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.41 | 70 | 283555 | 38.839 | ng | | 94 |
| 20) 3+4-Methylphenols | 7.40 | 107 | 396704 | 39.451 | ng | | 88 |
| 22) Acetophenone | 7.41 | 105 | 534934 | 40.598 | ng | # | 95 |
| 24) Nitrobenzene | 7.59 | 77 | 422641 | 41.387 | ng | | 95 |
| 25) Isophorone | 7.82 | 82 | 756931 | 39.325 | ng | | 98 |
| 26) 2-Nitrophenol | 7.90 | 139 | 160110 | 41.517 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 7.93 | 122 | 338526 | 39.626 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 8.02 | 93 | 452445 | 40.265 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.14 | 162 | 320746 | 40.798 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.22 | 180 | 354969 | 40.952 | ng | | 97 |
| 31) Naphthalene | 8.31 | 128 | 1052244 | 41.059 | ng | | 99 |
| 32) Benzoic acid | 8.02 | 122 | 107147m | 24.898 | ng | | |
| 33) 4-Chloroaniline | 8.35 | 127 | 450020 | 40.294 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.42 | 225 | 231501 | 42.189 | ng | | 99 |
| 35) Caprolactam | 8.74 | 113 | 94512 | 38.362 | ng | | 87 |
| 36) 4-Chloro-3-methylphenol | 8.83 | 107 | 323700 | 38.167 | ng | | 98 |
| 37) 2-Methylnaphthalene | 9.00 | 142 | 722963 | 39.873 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.17 | 216 | 362790 | 44.717 | ng | # | 97 |
| 40) Hexachlorocyclopentadiene | 9.15 | 237 | 33306 | 6.356 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.28 | 196 | 218518 | 43.404 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 9.32 | 196 | 222884 | 40.217 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.47 | 154 | 860709 | 44.187 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.50 | 162 | 654929 | 42.541 | ng | | 98 |
| 47) 2-Nitroaniline | 9.59 | 65 | 224067 | 44.982 | ng | | 90 |
| 48) Acenaphthylene | 9.91 | 152 | 1028203 | 42.246 | ng | | 99 |
| 49) Dimethylphthalate | 9.76 | 163 | 804336 | 43.707 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.83 | 165 | 165769 | 43.054 | ng | | 99 |
| 51) Acenaphthene | 10.08 | 154 | 587481 | 39.409 | ng | | 100 |
| 52) 3-Nitroaniline | 10.00 | 138 | 184062 | 43.693 | ng | | 91 |
| 53) 2,4-Dinitrophenol | 10.11 | 184 | 2389 | 8.533 | ng | # | 23 |
| 54) Dibenzofuran | 10.25 | 168 | 885327 | 40.992 | ng | | 96 |
| 55) 4-Nitrophenol | 10.15 | 139 | 92014 | 28.844 | ng | | 92 |
| 56) 2,4-Dinitrotoluene | 10.24 | 165 | 209229 | 42.217 | ng | # | 95 |
| 57) Fluorene | 10.60 | 166 | 684825 | 40.056 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.37 | 232 | 155572 | 33.585 | ng | # | 86 |
| 59) Diethylphthalate | 10.46 | 149 | 774705 | 43.474 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 10.58 | 204 | 367464 | 41.248 | ng | | 94 |
| 61) 4-Nitroaniline | 10.62 | 138 | 172697 | 41.464 | ng | | 92 |
| 62) Azobenzene | 10.75 | 77 | 728908 | 39.607 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 10.64 | 198 | 6782 | 8.960 | ng | | 92 |
| 65) n-Nitrosodiphenylamine | 10.71 | 169 | 642391 | 48.783 | ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 11.08 | 248 | 228331 | 47.150 | ng | | 91 |
| 67) Hexachlorobenzene | 11.15 | 284 | 222544 | 43.677 | ng | # | 89 |
| 68) Atrazine | 11.23 | 200 | 207213 | 46.916 | ng | | 95 |
| 69) Pentachlorophenol | 11.34 | 266 | 65186 | 26.729 | ng | | 98 |
| 70) Phenanthrene | 11.57 | 178 | 897801 | 42.716 | ng | | 99 |
| 71) Anthracene | 11.62 | 178 | 923162 | 42.854 | ng | | 100 |
| 72) Carbazole | 11.77 | 167 | 763741 | 39.904 | ng | | 100 |
| 73) Di-n-butylphthalate | 12.09 | 149 | 1083723 | 49.990 | ng | | 99 |
| 74) Fluoranthene | 12.76 | 202 | 818507 | 35.683 | ng | | 96 |
| 76) Benzidine | 12.88 | 184 | 433214 | 37.972 | ng | | 99 |
| 77) Pyrene | 13.00 | 202 | 789989 | 40.864 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.59 | 149 | 358254 | 46.669 | ng | # | 97 |
| 80) Benzo(a)anthracene | 14.19 | 228 | 737604 | 42.091 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.14 | 252 | 266882 | 42.496 | ng | # | 98 |
| 82) Chrysene | 14.22 | 228 | 676856 | 42.130 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.15 | 149 | 474399 | 45.636 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 14.77 | 149 | 801585 | 50.561 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 17.37 | 276 | 508384 | 36.520 | ng | # | 90 |
| 87) Benzo(b)fluoranthene | 15.28 | 252 | 717897m | 44.299 | ng | | |
| 88) Benzo(k)fluoranthene | 15.31 | 252 | 624247 | 41.904 | ng | # | 96 |
| 89) Benzo(a)pyrene | 15.68 | 252 | 608119 | 41.905 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 17.38 | 278 | 433958 | 36.142 | ng | # | 93 |
| 91) Benzo(g,h,i)perylene | 17.85 | 276 | 394856 | 33.397 | ng | # | 89 |

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

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