Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052519\
Data File : BF114630.D
Acq On : 26 May 2019 4:33
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED
mohammad
5/27/2019 3:50:51 AM

Quant Time: May 27 01:37:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 24 07:23:33 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 149693 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 8.09 | 136 | 584930 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 9.84 | 164 | 269741 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.33 | 188 | 511338 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 13.97 | 240 | 361132 | 20.00 | ng | | -0.02 |
| 87) Perylene-d12 | 15.43 | 264 | 352385 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.43 | 112 | 768779 | 82.65 | ng | | -0.02 |
| 7) Phenol-d6 | 6.45 | 99 | 935342 | 85.02 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 879819 | 84.41 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.63 | 330 | 211035 | 75.68 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.16 | 172 | 1523112 | 85.41 | ng | | -0.02 |
| 79) Terphenyl-d14 | 12.90 | 244 | 1464486 | 83.60 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.51 | 88 | 178631 | 34.937 | ng | | 100 |
| 3) Pyridine | 3.26 | 79 | 460706 | 32.704 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.22 | 42 | 239327 | 35.230 | ng | | 100 |
| 6) Aniline | 6.47 | 93 | 652118 | 41.034 | ng | # | 77 |
| 8) 2-Chlorophenol | 6.59 | 128 | 430745 | 43.377 | ng | | 95 |
| 9) Benzaldehyde | 6.36 | 77 | 269404 | 34.978 | ng | | 100 |
| 10) Phenol | 6.46 | 94 | 538198 | 41.585 | ng | # | 73 |
| 11) bis(2-Chloroethyl)ether | 6.53 | 93 | 409403 | 41.667 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.75 | 146 | 475533 | 42.661 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.82 | 146 | 483294 | 43.026 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.97 | 146 | 443836 | 43.250 | ng | | 99 |
| 15) Benzyl Alcohol | 6.95 | 79 | 335832 | 39.138 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45 | 750842 | 39.412 | ng | | 60 |
| 17) 2-Methylphenol | 7.07 | 107 | 336098 | 41.202 | ng | # | 91 |
| 18) Hexachloroethane | 7.31 | 117 | 176285 | 41.811 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70 | 285393 | 40.926 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.22 | 107 | 429328 | 45.553 | ng | # | 87 |
| 22) Acetophenone | 7.22 | 105 | 564158 | 43.537 | ng | # | 91 |
| 24) Nitrobenzene | 7.39 | 77 | 450433 | 42.431 | ng | | 99 |
| 25) Isophorone | 7.63 | 82 | 779809 | 40.342 | ng | | 99 |
| 26) 2-Nitrophenol | 7.70 | 139 | 223919 | 43.476 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 7.75 | 122 | 325781 | 40.274 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.83 | 93 | 519202 | 41.396 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.96 | 162 | 347085 | 43.091 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.03 | 180 | 386110 | 42.155 | ng | | 97 |
| 31) Naphthalene | 8.10 | 128 | 1193962 | 43.698 | ng | | 98 |
| 32) Benzoic acid | 7.90 | 122 | 168662m | 31.986 | ng | | |
| 33) 4-Chloroaniline | 8.16 | 127 | 533273 | 42.830 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.22 | 225 | 222655 | 42.723 | ng | | 98 |
| 35) Caprolactam | 8.53 | 113 | 112742 | 42.925 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 8.65 | 107 | 358757 | 44.248 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.80 | 142 | 774527 | 43.936 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.90 | 142 | 727466 | 43.820 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 357177 | 43.713 | ng | | 100 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.95 | 237 | 120412 | 34.246 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 9.09 | 196 | 221149 | 39.348 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.13 | 196 | 214785 | 37.264 | ng | | 94 |
| 46) 1,1'-Biphenyl | 9.26 | 154 | 952377 | 43.704 | ng | | 97 |
| 47) 2-Chloronaphthalene | 9.29 | 162 | 751561 | 42.854 | ng | | 99 |
| 48) 2-Nitroaniline | 9.39 | 65 | 262622 | 42.225 | ng | | 96 |
| 49) Acenaphthylene | 9.70 | 152 | 1134414 | 42.530 | ng | | 98 |
| 50) Dimethylphthalate | 9.56 | 163 | 817835 | 41.302 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.63 | 165 | 182051 | 41.451 | ng | | 86 |
| 52) Acenaphthene | 9.87 | 154 | 673814 | 41.167 | ng | | 99 |
| 53) 3-Nitroaniline | 9.80 | 138 | 223302 | 40.958 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.93 | 184 | 71726 | 36.485 | ng | | 97 |
| 55) Dibenzofuran | 10.05 | 168 | 962666 | 40.109 | ng | | 99 |
| 56) 4-Nitrophenol | 9.99 | 139 | 111779 | 28.992 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 10.05 | 165 | 226006 | 37.913 | ng | # | 78 |
| 58) Fluorene | 10.39 | 166 | 795421 | 42.906 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.17 | 232 | 187839 | 37.770 | ng | | 99 |
| 60) Diethylphthalate | 10.26 | 149 | 808613 | 40.190 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.37 | 204 | 387545 | 42.562 | ng | | 98 |
| 62) 4-Nitroaniline | 10.42 | 138 | 216077 | 37.717 | ng | | 96 |
| 63) Azobenzene | 10.54 | 77 | 771719 | 39.627 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.46 | 198 | 103200 | 42.002 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 10.50 | 169 | 682815 | 43.998 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.86 | 248 | 241209 | 42.843 | ng | | 97 |
| 68) Hexachlorobenzene | 10.94 | 284 | 260765 | 41.867 | ng | | 94 |
| 69) Atrazine | 11.02 | 200 | 198068 | 41.012 | ng | | 97 |
| 70) Pentachlorophenol | 11.14 | 266 | 87071 | 29.491 | ng | | 98 |
| 71) Phenanthrene | 11.35 | 178 | 1113574 | 44.763 | ng | | 98 |
| 72) Anthracene | 11.40 | 178 | 1119749 | 44.813 | ng | | 99 |
| 73) Carbazole | 11.56 | 167 | 1077910 | 45.238 | ng | | 98 |
| 74) Di-n-butylphthalate | 11.88 | 149 | 1220285 | 44.453 | ng | | 99 |
| 75) Fluoranthene | 12.54 | 202 | 1196160 | 44.650 | ng | | 99 |
| 77) Benzidine | 12.66 | 184 | 537777 | 33.174 | ng | | 97 |
| 78) Pyrene | 12.77 | 202 | 1211809 | 41.713 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.37 | 149 | 530973 | 43.423 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.96 | 228 | 1046641 | 44.809 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.92 | 252 | 401633 | 44.325 | ng | | 100 |
| 83) Chrysene | 14.00 | 228 | 1001603 | 43.743 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.93 | 149 | 709966 | 44.393 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.54 | 149 | 1138618 | 43.920 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.90 | 276 | 943624 | 46.631 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.00 | 252 | 971654 | 43.040 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.03 | 252 | 870051 | 41.954 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.37 | 252 | 850328 | 42.798 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.89 | 278 | 779612 | 47.221 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 17.33 | 276 | 792898 | 47.923 | ng | | 99 |

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

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