Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100516\
Data File : BF090421.D
Acq On : 6 Oct 2016 11:59
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED
SOHIL
10/6/2016 5:28:02 PM

Quant Time: Oct 06 14:00:35 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 05 14:57:00 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.00 | 152 | 258019 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.29 | 136 | 1043555 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.05 | 164 | 504901 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.55 | 188 | 783392 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.20 | 240 | 534688 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.70 | 264 | 465589 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 1319106 | 76.30 | ng | | 0.00 |
| 7) Phenol-d6 | 6.62 | 99 | 1709954 | 75.52 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.57 | 82 | 1623854 | 75.69 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.85 | 330 | 325464 | 79.27 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.38 | 172 | 2550780 | 84.17 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.14 | 244 | 2088144 | 87.80 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.69 | 88 | 314971 | 36.96 | ng | # | 91 |
| 3) Pyridine | 3.47 | 79 | 902613 | 37.98 | ng | # | 82 |
| 4) n-Nitrosodimethylamine | 3.41 | 42 | 344736 | 35.16 | ng | # | 59 |
| 6) Aniline | 6.67 | 93 | 1160456 | 37.10 | ng | | 95 |
| 8) 2-Chlorophenol | 6.78 | 128 | 683960 | 35.95 | ng | | 87 |
| 9) Benzaldehyde | 6.54 | 77 | 463819 | 40.52 | ng | | 88 |
| 10) Phenol | 6.65 | 94 | 1014411 | 38.53 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 6.74 | 93 | 762002 | 37.81 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.94 | 146 | 682876 | 36.01 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 7.02 | 146 | 759120 | 39.41 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.18 | 146 | 634093m | 34.17 | ng | | |
| 15) Benzyl Alcohol | 7.14 | 79 | 614407 | 35.69 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.27 | 45 | 1211377 | 35.44 | ng | | 95 |
| 17) 2-Methylphenol | 7.25 | 107 | 548223 | 35.04 | ng | | 99 |
| 18) Hexachloroethane | 7.53 | 117 | 266272 | 35.06 | ng | # | 89 |
| 19) n-Nitroso-di-n-propylamine | 7.42 | 70 | 625193 | 37.65 | ng | # | 81 |
| 20) 3+4-Methylphenols | 7.41 | 107 | 778288 | 38.43 | ng | # | 73 |
| 22) Acetophenone | 7.41 | 105 | 875644 | 35.43 | ng | # | 98 |
| 24) Nitrobenzene | 7.58 | 77 | 784509 | 36.83 | ng | | 93 |
| 25) Isophorone | 7.83 | 82 | 1495511 | 38.13 | ng | | 97 |
| 26) 2-Nitrophenol | 7.90 | 139 | 331867 | 36.20 | ng | # | 73 |
| 27) 2,4-Dimethylphenol | 7.94 | 122 | 608877 | 34.15 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 8.04 | 93 | 953084 | 41.09 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 8.14 | 162 | 485503 | 35.82 | ng | # | 85 |
| 30) 1,2,4-Trichlorobenzene | 8.23 | 180 | 563517 | 40.34 | ng | | 99 |
| 31) Naphthalene | 8.31 | 128 | 1788718 | 35.53 | ng | | 99 |
| 32) Benzoic acid | 8.06 | 122 | 514934 | 41.55 | ng | | 96 |
| 33) 4-Chloroaniline | 8.36 | 127 | 807803 | 38.82 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.44 | 225 | 314628 | 40.31 | ng | | 99 |
| 35) Caprolactam | 8.74 | 113 | 170998 | 37.52 | ng | | 91 |
| 36) 4-Chloro-3-methylphenol | 8.84 | 107 | 653381 | 38.50 | ng | | 99 |
| 37) 2-Methylnaphthalene | 9.01 | 142 | 1242243 | 40.76 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.17 | 216 | 476802 | 35.82 | ng | # | 98 |
| 40) Hexachlorocyclopentadiene | 9.16 | 237 | 156263 | 21.42 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.29 | 196 | 407294 | 44.34 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.32 | 196 | 326139 | 37.55 | ng | | 93 |
| 45) 1,1'-Biphenyl | 9.48 | 154 | 1487732 | 39.76 | ng | | 93 |
| 46) 2-Chloronaphthalene | 9.50 | 162 | 1183209 | 42.80 | ng | | 95 |
| 47) 2-Nitroaniline | 9.59 | 65 | 432011 | 39.61 | ng | # | 79 |
| 48) Acenaphthylene | 9.91 | 152 | 1659006 | 36.37 | ng | | 99 |
| 49) Dimethylphthalate | 9.78 | 163 | 1371752 | 42.42 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.83 | 165 | 314236 | 43.77 | ng | # | 83 |
| 51) Acenaphthene | 10.09 | 154 | 1015100 | 35.69 | ng | | 98 |
| 52) 3-Nitroaniline | 10.01 | 138 | 365866 | 43.63 | ng | # | 84 |
| 53) 2,4-Dinitrophenol | 10.10 | 184 | 86001 | 26.87 | ng | # | 1 |
| 54) Dibenzofuran | 10.26 | 168 | 1324299 | 35.98 | ng | | 92 |
| 55) 4-Nitrophenol | 10.15 | 139 | 303339 | 41.34 | ng | | 88 |
| 56) 2,4-Dinitrotoluene | 10.23 | 165 | 378302 | 39.60 | ng | # | 40 |
| 57) Fluorene | 10.60 | 166 | 1130890 | 36.56 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.37 | 232 | 233023m | 35.92 | ng | | |
| 59) Diethylphthalate | 10.47 | 149 | 1319622 | 39.44 | ng | | 93 |
| 60) 4-Chlorophenyl-phenylether | 10.60 | 204 | 580693 | 41.28 | ng | # | 86 |
| 61) 4-Nitroaniline | 10.61 | 138 | 311599 | 36.88 | ng | | 93 |
| 62) Azobenzene | 10.76 | 77 | 1558509 | 40.33 | ng | | 88 |
| 64) 4,6-Dinitro-2-methylphenol | 10.65 | 198 | 147522 | 30.17 | ng | # | 54 |
| 65) n-Nitrosodiphenylamine | 10.71 | 169 | 1081581 | 41.20 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 11.09 | 248 | 331910 | 43.22 | ng | # | 87 |
| 67) Hexachlorobenzene | 11.16 | 284 | 349369 | 40.85 | ng | # | 88 |
| 68) Atrazine | 11.24 | 200 | 299167 | 46.22 | ng | | 98 |
| 69) Pentachlorophenol | 11.34 | 266 | 192910 | 37.90 | ng | | 98 |
| 70) Phenanthrene | 11.57 | 178 | 1613359 | 40.22 | ng | | 98 |
| 71) Anthracene | 11.62 | 178 | 1463385 | 35.72 | ng | | 98 |
| 72) Carbazole | 11.78 | 167 | 1503031 | 39.49 | ng | | 96 |
| 73) Di-n-butylphthalate | 12.11 | 149 | 2020188 | 43.62 | ng | # | 97 |
| 74) Fluoranthene | 12.76 | 202 | 1343161 | 34.14 | ng | | 98 |
| 76) Benzidine | 12.87 | 184 | 571492 | 40.65 | ng | | 98 |
| 77) Pyrene | 12.99 | 202 | 1309244 | 36.72 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.61 | 149 | 683764 | 37.38 | ng | # | 69 |
| 80) Benzo(a)anthracene | 14.18 | 228 | 1200913 | 40.03 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 14.14 | 252 | 450152 | 41.39 | ng | # | 97 |
| 82) Chrysene | 14.22 | 228 | 1182604 | 42.83 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 14.18 | 149 | 1019913 | 39.22 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 14.80 | 149 | 1683984 | 43.68 | ng | # | 92 |
| 85) Indeno(1,2,3-cd)pyrene | 17.22 | 276 | 1080173 | 54.87 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 15.25 | 252 | 1224739 | 41.30 | ng | # | 94 |
| 88) Benzo(k)fluoranthene | 15.29 | 252 | 862556m | 30.96 | ng | | |
| 89) Benzo(a)pyrene | 15.63 | 252 | 987470 | 38.63 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 17.24 | 278 | 906022 | 41.66 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 17.69 | 276 | 844679 | 40.47 | ng | | 99 |

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

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