Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062116\
Data File : BF088241.D
Acq On : 22 Jun 2016 5:54
Operator : UM/SJ
Sample : H3597-02MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EDD-3EMS

Manual Integrations APPROVED
sohil
6/22/2016 6:08:13 PM

Quant Time: Jun 22 12:41:26 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 22 01:34:10 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.65 | 152 | 86880m | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.94 | 136 | 342005 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.69 | 164 | 158188 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.16 | 188 | 295963 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.79 | 240 | 210325 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.17 | 264 | 175689 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.24 | 112 | 438549 | 86.29 | ng | | 0.00 |
| 7) Phenol-d6 | 6.31 | 99 | 543477 | 88.24 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.22 | 82 | 332722 | 56.81 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.48 | 330 | 127199 | 76.15 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.02 | 172 | 672689 | 65.54 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.74 | 244 | 551276 | 59.64 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.17 | 88 | 68274 | 27.65 | ng | # | 33 |
| 3) Pyridine | 2.82 | 79 | 177838 | 30.50 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 2.78 | 42 | 70099 | 28.39 | ng | # | 78 |
| 6) Aniline | 6.40 | 93 | 188754 | 21.53 | ng | # | 57 |
| 8) 2-Chlorophenol | 6.43 | 128 | 192357 | 31.98 | ng | | 99 |
| 10) Phenol | 6.32 | 94 | 227393 | 35.22 | ng | | 73 |
| 11) bis(2-Chloroethyl)ether | 6.40 | 93 | 188754 | 34.95 | ng | # | 83 |
| 12) 1,3-Dichlorobenzene | 6.59 | 146 | 197513m | 30.60 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.67 | 146 | 198639m | 30.55 | ng | | |
| 14) 1,2-Dichlorobenzene | 6.82 | 146 | 200855 | 33.97 | ng | | 95 |
| 15) Benzyl Alcohol | 6.81 | 79 | 129918 | 26.96 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.94 | 45 | 198517 | 27.21 | ng | # | 31 |
| 17) 2-Methylphenol | 6.92 | 107 | 152002 | 31.16 | ng | | 98 |
| 18) Hexachloroethane | 7.15 | 117 | 72879m | 31.59 | ng | | |
| 19) n-Nitroso-di-n-propylamine | 7.07 | 70 | 116118 | 29.47 | ng | | 89 |
| 20) 3+4-Methylphenols | 7.08 | 107 | 211832 | 37.22 | ng | # | 82 |
| 22) Acetophenone | 7.07 | 105 | 263852 | 34.52 | ng | | 97 |
| 24) Nitrobenzene | 7.24 | 77 | 201109 | 35.45 | ng | | 100 |
| 25) Isophorone | 7.48 | 82 | 353748 | 32.61 | ng | | 96 |
| 26) 2-Nitrophenol | 7.56 | 139 | 95676 | 31.48 | ng | # | 74 |
| 27) 2,4-Dimethylphenol | 7.61 | 122 | 179243 | 32.03 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.70 | 93 | 236438 | 35.14 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.80 | 162 | 168480 | 36.06 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.88 | 180 | 168265 | 33.08 | ng | | 97 |
| 31) Naphthalene | 7.95 | 128 | 553582 | 32.71 | ng | | 99 |
| 32) Benzoic acid | 7.61 | 122 | 179243 | 58.17 | ng | # | 13 |
| 33) 4-Chloroaniline | 8.02 | 127 | 105495 | 13.96 | ng | # | 93 |
| 34) Hexachlorobutadiene | 8.08 | 225 | 86916 | 32.40 | ng | | 99 |
| 35) Caprolactam | 8.39 | 113 | 51672 | 33.39 | ng | # | 79 |
| 36) 4-Chloro-3-methylphenol | 8.51 | 107 | 167679 | 33.56 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.65 | 142 | 370978 | 33.26 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.82 | 216 | 150921 | 33.74 | ng | # | 1 |
| 40) Hexachlorocyclopentadiene | 8.80 | 237 | 51939 | 20.36 | ng | | 99 |
| 42) 2,4,6-Trichlorophenol | 8.94 | 196 | 82740 | 26.16 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 8.99 | 196 | 87218 | 26.50 | ng | | 97 |
| 45) 1,1'-Biphenyl | 9.12 | 154 | 441440 | 35.93 | ng | | 95 |
| 46) 2-Chloronaphthalene | 9.14 | 162 | 347675 | 33.96 | ng | | 93 |
| 47) 2-Nitroaniline | 9.24 | 65 | 100600 | 33.31 | ng | # | 80 |
| 48) Acenaphthylene | 9.55 | 152 | 532933 | 32.73 | ng | | 99 |
| 49) Dimethylphthalate | 9.43 | 163 | 664592 | 58.00 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.48 | 165 | 86492 | 32.96 | ng | # | 62 |
| 51) Acenaphthene | 9.72 | 154 | 312708 | 30.79 | ng | | 100 |
| 52) 3-Nitroaniline | 9.66 | 138 | 72858 | 24.06 | ng | | 91 |
| 53) 2,4-Dinitrophenol | 9.84 | 184 | 3531 | 6.07 | ng | # | 1 |
| 54) Dibenzofuran | 9.90 | 168 | 456804 | 32.66 | ng | | 95 |
| 55) 4-Nitrophenol | 9.84 | 139 | 59093 | 25.14 | ng | | 98 |
| 56) 2,4-Dinitrotoluene | 9.90 | 165 | 108717 | 32.24 | ng | # | 86 |
| 57) Fluorene | 10.24 | 166 | 358835 | 37.11 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.02 | 232 | 64254 | 24.84 | ng | # | 60 |
| 59) Diethylphthalate | 10.12 | 149 | 405814 | 34.99 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.23 | 204 | 156955 | 33.74 | ng | | 98 |
| 61) 4-Nitroaniline | 10.27 | 138 | 105257 | 36.65 | ng | | 91 |
| 62) Azobenzene | 10.39 | 77 | 388612 | 33.88 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.31 | 198 | 18456 | 11.70 | ng | # | 68 |
| 65) n-Nitrosodiphenylamine | 10.35 | 169 | 342939 | 34.92 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.72 | 248 | 102001 | 32.12 | ng | | 95 |
| 67) Hexachlorobenzene | 10.78 | 284 | 102033 | 30.93 | ng | | 98 |
| 68) Atrazine | 10.88 | 200 | 87658 | 29.48 | ng | | 90 |
| 69) Pentachlorophenol | 10.98 | 266 | 44748 | 25.73 | ng | | 97 |
| 70) Phenanthrene | 11.19 | 178 | 513866 | 33.09 | ng | | 100 |
| 71) Anthracene | 11.24 | 178 | 542439 | 34.63 | ng | | 98 |
| 72) Carbazole | 11.40 | 167 | 520179 | 35.48 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.74 | 149 | 611330 | 32.94 | ng | | 99 |
| 74) Fluoranthene | 12.38 | 202 | 561199 | 34.24 | ng | | 96 |
| 76) Benzidine | 12.50 | 184 | 189733 | 32.58 | ng | | 98 |
| 77) Pyrene | 12.59 | 202 | 553654 | 35.47 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.22 | 149 | 249487 | 36.16 | ng | | 90 |
| 80) Benzo(a)anthracene | 13.78 | 228 | 381869 | 31.86 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 13.75 | 252 | 86687 | 26.90 | ng | # | 94 |
| 82) Chrysene | 13.82 | 228 | 417382 | 37.02 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 13.78 | 149 | 326500 | 38.87 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.39 | 149 | 519643 | 38.07 | ng | # | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.46 | 276 | 353214 | 33.72 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 14.79 | 252 | 334101m | 27.28 | ng | | |
| 88) Benzo(k)fluoranthene | 14.82 | 252 | 360780m | 39.06 | ng | | |
| 89) Benzo(a)pyrene | 15.12 | 252 | 346099 | 34.93 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 16.46 | 278 | 294474 | 32.00 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 16.83 | 276 | 312254 | 32.99 | ng | | 99 |

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

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