Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040517\
Data File : BF094192.D
Acq On : 5 Apr 2017 16:34
Operator : SJ/MA
Sample : I2523-15MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CEMETERY-3(0-7)MS

**Manual Integrations APPROVED**
mohammad
4/6/2017 3:38:31 PM

Quant Time: Apr 06 06:41:14 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 31 14:38:29 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 5.86 | 152 | 169748 | 20.00 | ng | | -0.04 |
| 21) Naphthalene-d8 | 7.37 | 136 | 687290 | 20.00 | ng | | -0.04 |
| 38) Acenaphthene-d10 | 9.51 | 164 | 316428 | 20.00 | ng | | -0.04 |
| 63) Phenanthrene-d10 | 11.33 | 188 | 565838 | 20.00 | ng | | -0.05 |
| 75) Chrysene-d12 | 14.58 | 240 | 443851 | 20.00 | ng | | -0.05 |
| 86) Perylene-d12 | 16.20 | 264 | 313825 | 20.00 | ng | | -0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.40 | 112 | 1060086 | 105.48 | ng | | -0.03 |
| 7) Phenol-d6 | 5.47 | 99 | 1336409 | 107.49 | ng | | -0.04 |
| 23) Nitrobenzene-d5 | 6.52 | 82 | 832994 | 69.17 | ng | | -0.04 |
| 41) 2,4,6-Tribromophenol | 10.49 | 330 | 285447 | 114.16 | ng | | -0.04 |
| 44) 2-Fluorobiphenyl | 8.69 | 172 | 1526576 | 73.58 | ng | | -0.04 |
| 78) Terphenyl-d14 | 13.31 | 244 | 1271388 | 64.21 | ng | | -0.04 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.25 | 88 | 144319 | 29.89 | ng | | 99 |
| 3) Pyridine | 2.74 | 79 | 298436 | 22.68 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 2.69 | 42 | 193557 | 35.75 | ng | | 96 |
| 6) Aniline | 5.49 | 93 | 473265 | 27.36 | ng | # | 34 |
| 8) 2-Chlorophenol | 5.63 | 128 | 425791 | 38.54 | ng | | 98 |
| 9) Benzaldehyde | 5.36 | 77 | 222699 | 26.53 | ng | | 96 |
| 10) Phenol | 5.49 | 94 | 518490 | 36.65 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 5.57 | 93 | 398216 | 36.02 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 5.80 | 146 | 448820 | 36.22 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 5.89 | 146 | 452147 | 36.03 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.06 | 146 | 421344 | 36.46 | ng | | 98 |
| 15) Benzyl Alcohol | 6.03 | 79 | 349009 | 38.35 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.20 | 45 | 550854 | 32.33 | ng | | 96 |
| 17) 2-Methylphenol | 6.17 | 107 | 345820 | 36.55 | ng | | 98 |
| 18) Hexachloroethane | 6.45 | 117 | 157078 | 35.61 | ng | # | 84 |
| 19) n-Nitroso-di-n-propylamine | 6.35 | 70 | 288411 | 36.09 | ng | | 97 |
| 20) 3+4-Methylphenols | 6.36 | 107 | 453722 | 39.60 | ng | # | 64 |
| 22) Acetophenone | 6.34 | 105 | 588067 | 38.39 | ng | # | 87 |
| 24) Nitrobenzene | 6.54 | 77 | 431001 | 36.29 | ng | | 90 |
| 25) Isophorone | 6.83 | 82 | 771088 | 36.44 | ng | # | 94 |
| 26) 2-Nitrophenol | 6.91 | 139 | 234234 | 41.35 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 6.98 | 122 | 374605 | 38.38 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.09 | 93 | 500867 | 35.89 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.21 | 162 | 364480 | 39.94 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.30 | 180 | 353910 | 37.65 | ng | | 98 |
| 31) Naphthalene | 7.39 | 128 | 1194224 | 36.14 | ng | | 100 |
| 33) 4-Chloroaniline | 7.46 | 127 | 433269 | 32.35 | ng | # | 94 |
| 34) Hexachlorobutadiene | 7.55 | 225 | 175734 | 36.46 | ng | | 99 |
| 35) Caprolactam | 7.90 | 113 | 110123m | 37.84 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.07 | 107 | 378656 | 39.71 | ng | | 88 |
| 37) 2-Methylnaphthalene | 8.24 | 142 | 835920 | 37.95 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.45 | 216 | 304041 | 35.12 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.43 | 237 | 287652 | 71.01 | ng | | 99 |
| 42) 2,4,6-Trichlorophenol | 8.59 | 196 | 238430 | 38.93 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 8.64 | 196 | 247477 | 37.34 | ng | | 95 |
| 45) 1,1'-Biphenyl | 8.81 | 154 | 935141 | 36.64 | ng | | 98 |
| 46) 2-Chloronaphthalene | 8.83 | 162 | 742698 | 37.17 | ng | | 93 |
| 47) 2-Nitroaniline | 8.96 | 65 | 227037 | 38.31 | ng | | 87 |
| 48) Acenaphthylene | 9.33 | 152 | 1177351 | 35.46 | ng | | 99 |
| 49) Dimethylphthalate | 9.20 | 163 | 984882 | 43.79 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.26 | 165 | 199959 | 38.78 | ng | # | 86 |
| 51) Acenaphthene | 9.55 | 154 | 700036 | 36.13 | ng | | 100 |
| 52) 3-Nitroaniline | 9.47 | 138 | 203158 | 33.55 | ng | | 85 |
| 53) 2,4-Dinitrophenol | 9.60 | 184 | 37320 | 17.40 | ng | # | 71 |
| 54) Dibenzofuran | 9.76 | 168 | 1003748 | 38.06 | ng | | 99 |
| 55) 4-Nitrophenol | 9.71 | 139 | 321469 | 67.80 | ng | # | 70 |
| 56) 2,4-Dinitrotoluene | 9.76 | 165 | 242199 | 37.39 | ng | # | 69 |
| 57) Fluorene | 10.19 | 166 | 781488 | 35.73 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.92 | 232 | 173915 | 38.25 | ng | | 98 |
| 59) Diethylphthalate | 10.07 | 149 | 844622 | 37.99 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.19 | 204 | 337446 | 36.22 | ng | | 89 |
| 61) 4-Nitroaniline | 10.22 | 138 | 225698 | 38.85 | ng | | 96 |
| 62) Azobenzene | 10.39 | 77 | 818165 | 38.90 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.26 | 198 | 57388 | 16.56 | ng | # | 68 |
| 65) n-Nitrosodiphenylamine | 10.34 | 169 | 722134 | 36.90 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.79 | 248 | 205528 | 36.93 | ng | | 96 |
| 67) Hexachlorobenzene | 10.86 | 284 | 209892 | 37.26 | ng | # | 89 |
| 68) Atrazine | 11.01 | 200 | 213251 | 36.38 | ng | | 95 |
| 69) Pentachlorophenol | 11.11 | 266 | 134219 | 38.28 | ng | | 98 |
| 70) Phenanthrene | 11.36 | 178 | 1137053 | 36.12 | ng | | 98 |
| 71) Anthracene | 11.43 | 178 | 1184925 | 36.56 | ng | | 98 |
| 72) Carbazole | 11.63 | 167 | 1108528 | 33.36 | ng | | 98 |
| 73) Di-n-butylphthalate | 12.08 | 149 | 1307659 | 37.84 | ng | | 99 |
| 74) Fluoranthene | 12.82 | 202 | 1177915 | 36.55 | ng | | 99 |
| 76) Benzidine | 12.99 | 184 | 353250 | 20.11 | ng | # | 92 |
| 77) Pyrene | 13.10 | 202 | 1182443 | 36.71 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.92 | 149 | 553094 | 40.30 | ng | # | 85 |
| 80) Benzo(a)anthracene | 14.57 | 228 | 957579 | 37.00 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 14.54 | 252 | 263054 | 28.43 | ng | # | 96 |
| 82) Chrysene | 14.62 | 228 | 849468 | 35.37 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.63 | 149 | 745173 | 39.80 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 15.39 | 149 | 1151279 | 36.80 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 17.53 | 276 | 654262 | 31.45 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 15.80 | 252 | 744507 | 38.70 | ng | | 100 |
| 88) Benzo(k)fluoranthene | 15.83 | 252 | 697718 | 37.07 | ng | # | 95 |
| 89) Benzo(a)pyrene | 16.14 | 252 | 653187 | 36.87 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 17.55 | 278 | 544210 | 36.28 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.93 | 276 | 558580 | 36.95 | ng | | 95 |

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

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