Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120216\
Data File : BF091416.D
Acq On : 3 Dec 2016 3:43
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040EC

**Manual Integrations APPROVED**
sohil
12/5/2016 11:21:14 AM

Quant Time: Dec 03 04:14:29 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 13:33:46 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.86 | 152 | 159750 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 8.15 | 136 | 644942 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.90 | 164 | 321186 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 11.38 | 188 | 507064 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 14.01 | 240 | 363064 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 15.45 | 264 | 309047 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 743634 | 76.04 | ng | | -0.02 |
| 7) Phenol-d6 | 6.49 | 99 | 948264 | 78.77 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.43 | 82 | 900141 | 78.22 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.69 | 330 | 200355 | 65.89 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 9.22 | 172 | 1456768 | 82.12 | ng | | -0.02 |
| 78) Terphenyl-d14 | 12.97 | 244 | 1336409 | 80.00 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.42 | 88 | 157246 | 35.55 | ng | # | 85 |
| 3) Pyridine | 3.16 | 79 | 489981 | 39.14 | ng | | 88 |
| 4) n-Nitrosodimethylamine | 3.10 | 42 | 271868 | 41.39 | ng | | 98 |
| 6) Aniline | 6.53 | 93 | 666034 | 41.65 | ng | # | 68 |
| 8) 2-Chlorophenol | 6.64 | 128 | 410530 | 38.29 | ng | # | 76 |
| 9) Benzaldehyde | 6.40 | 77 | 307942 | 39.78 | ng | | 92 |
| 10) Phenol | 6.50 | 94 | 488684 | 34.50 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.60 | 93 | 381343 | 37.68 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 6.80 | 146 | 466816 | 39.14 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.88 | 146 | 510363 | 43.02 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 7.03 | 146 | 414320 | 37.49 | ng | | 97 |
| 15) Benzyl Alcohol | 7.01 | 79 | 425915 | 44.21 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.14 | 45 | 862802 | 39.65 | ng | | 72 |
| 17) 2-Methylphenol | 7.12 | 107 | 358725 | 42.33 | ng | # | 76 |
| 18) Hexachloroethane | 7.37 | 117 | 136357 | 32.37 | ng | # | 78 |
| 19) n-Nitroso-di-n-propylamine | 7.28 | 70 | 297344 | 39.21 | ng | # | 96 |
| 20) 3+4-Methylphenols | 7.27 | 107 | 393431 | 38.03 | ng | # | 65 |
| 22) Acetophenone | 7.28 | 105 | 613218 | 40.12 | ng | | 98 |
| 24) Nitrobenzene | 7.45 | 77 | 470996 | 39.97 | ng | # | 72 |
| 25) Isophorone | 7.69 | 82 | 803454 | 39.41 | ng | | 95 |
| 26) 2-Nitrophenol | 7.76 | 139 | 158984 | 29.61 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.81 | 122 | 404752 | 40.29 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93 | 457905 | 37.31 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.00 | 162 | 317761 | 35.96 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 8.09 | 180 | 408693 | 41.25 | ng | | 97 |
| 31) Naphthalene | 8.17 | 128 | 1269462 | 41.42 | ng | | 100 |
| 32) Benzoic acid | 7.91 | 122 | 179399 | 24.23 | ng | | 94 |
| 33) 4-Chloroaniline | 8.22 | 127 | 531205 | 40.54 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.30 | 225 | 230331 | 37.81 | ng | | 99 |
| 35) Caprolactam | 8.60 | 113 | 108122 | 42.57 | ng | # | 86 |
| 36) 4-Chloro-3-methylphenol | 8.70 | 107 | 362461 | 37.99 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 732492 | 35.17 | ng | | 93 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.03 | 216 | 407095 | 44.96 | ng | # | 97 |
| 40) Hexachlorocyclopentadiene | 9.02 | 237 | 33954 | 8.09 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.14 | 196 | 230079 | 39.10 | ng | | 94 |
| 43) 2,4,5-Trichlorophenol | 9.18 | 196 | 236165 | 40.05 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.33 | 154 | 997993 | 43.21 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.35 | 162 | 707426 | 41.13 | ng | | 99 |
| 47) 2-Nitroaniline | 9.44 | 65 | 268915 | 43.53 | ng | # | 77 |
| 48) Acenaphthylene | 9.76 | 152 | 1026603 | 37.92 | ng | | 98 |
| 49) Dimethylphthalate | 9.62 | 163 | 802681 | 41.27 | ng | | 97 |
| 50) 2,6-Dinitrotoluene | 9.68 | 165 | 167459 | 38.52 | ng | | 89 |
| 51) Acenaphthene | 9.93 | 154 | 655312 | 35.88 | ng | | 97 |
| 52) 3-Nitroaniline | 9.85 | 138 | 200646 | 39.88 | ng | | 90 |
| 54) Dibenzofuran | 10.10 | 168 | 911394 | 37.27 | ng | | 98 |
| 55) 4-Nitrophenol | 10.00 | 139 | 115383 | 31.75 | ng | | 88 |
| 56) 2,4-Dinitrotoluene | 10.08 | 165 | 198166 | 35.14 | ng | # | 55 |
| 57) Fluorene | 10.45 | 166 | 700848 | 37.33 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.23 | 232 | 170052 | 33.77 | ng | | 96 |
| 59) Diethylphthalate | 10.32 | 149 | 834293 | 43.46 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.45 | 204 | 372473 | 39.56 | ng | | 98 |
| 61) 4-Nitroaniline | 10.46 | 138 | 196299 | 41.55 | ng | | 85 |
| 62) Azobenzene | 10.61 | 77 | 815966 | 41.65 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.49 | 198 | 7959 | 2.85 | ng | # | 55 |
| 65) n-Nitrosodiphenylamine | 10.56 | 169 | 675073 | 43.91 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.93 | 248 | 226361 | 41.53 | ng | | 95 |
| 67) Hexachlorobenzene | 11.00 | 284 | 225101 | 38.22 | ng | # | 83 |
| 68) Atrazine | 11.09 | 200 | 178498 | 35.85 | ng | | 96 |
| 69) Pentachlorophenol | 11.19 | 266 | 117279 | 33.83 | ng | | 93 |
| 70) Phenanthrene | 11.41 | 178 | 967980 | 36.74 | ng | | 100 |
| 71) Anthracene | 11.46 | 178 | 1054088 | 40.31 | ng | | 97 |
| 72) Carbazole | 11.61 | 167 | 917901 | 38.68 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.96 | 149 | 1176333 | 43.74 | ng | # | 98 |
| 74) Fluoranthene | 12.60 | 202 | 1049237 | 42.04 | ng | | 98 |
| 76) Benzidine | 12.71 | 184 | 377083 | 35.38 | ng | | 98 |
| 77) Pyrene | 12.82 | 202 | 1063595 | 38.60 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.44 | 149 | 414924 | 40.22 | ng | | 89 |
| 80) Benzo(a)anthracene | 14.00 | 228 | 852385 | 40.15 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.97 | 252 | 333165 | 44.54 | ng | # | 98 |
| 82) Chrysene | 14.05 | 228 | 912909 | 43.45 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.01 | 149 | 575199 | 43.98 | ng | # | 91 |
| 84) Di-n-octyl phthalate | 14.62 | 149 | 1017127 | 51.40 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.85 | 276 | 623592 | 32.41 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 15.04 | 252 | 839358m | 43.70 | ng | | |
| 88) Benzo(k)fluoranthene | 15.07 | 252 | 665255m | 41.18 | ng | | |
| 89) Benzo(a)pyrene | 15.39 | 252 | 697954 | 40.46 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.87 | 278 | 549283 | 34.43 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 17.27 | 276 | 508442 | 30.91 | ng | | 99 |

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

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