Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121199.D
Acq On : 6 Aug 2020 12:28
Operator : JU/CG
Sample : L3521-07MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
COMP-CDMSD

**Manual Integrations APPROVED**
mohammad
8/7/2020 1:50:42 PM

Quant Time: Aug 06 13:52:20 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 29 14:55:43 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.79 | 152 | 141595 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.08 | 136 | 559008 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.83 | 164 | 299956 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.32 | 188 | 593094 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.97 | 240 | 486450 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.41 | 264 | 508256 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 808266 | 93.58 | ng | | 0.00 |
| 7) Phenol-d6 | 6.44 | 99 | 1021633 | 91.57 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.36 | 82 | 680489 | 70.44 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.63 | 330 | 330479 | 100.65 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.16 | 172 | 1252027 | 62.32 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.91 | 244 | 1371497 | 61.29 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.52 | 88 | 149517 | 37.613 | ng | | 99 |
| 3) Pyridine | 3.26 | 79 | 366807 | 34.688 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.21 | 42 | 197640 | 43.708 | ng | | 93 |
| 6) Aniline | 6.46 | 93 | 520224 | 35.720 | ng | # | 81 |
| 8) 2-Chlorophenol | 6.58 | 128 | 464954 | 48.865 | ng | | 99 |
| 9) Benzaldehyde | 6.35 | 77 | 285334 | 60.321 | ng | | 98 |
| 10) Phenol | 6.45 | 94 | 539395 | 43.949 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.53 | 93 | 432639 | 45.996 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 6.73 | 146 | 446998 | 43.324 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.81 | 146 | 452009 | 44.058 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.96 | 146 | 439519 | 45.284 | ng | | 99 |
| 15) Benzyl Alcohol | 6.95 | 79 | 380054 | 48.168 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45 | 599856 | 44.246 | ng | | 99 |
| 17) 2-Methylphenol | 7.06 | 107 | 368103 | 43.648 | ng | | 100 |
| 18) Hexachloroethane | 7.30 | 117 | 166402 | 44.812 | ng | | 100 |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70 | 282101 | 44.465 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.21 | 107 | 419388 | 39.092 | ng | | 94 |
| 22) Acetophenone | 7.20 | 105 | 568033 | 45.277 | ng | | 97 |
| 24) Nitrobenzene | 7.38 | 77 | 465831 | 44.738 | ng | | 99 |
| 25) Isophorone | 7.62 | 82 | 878347 | 45.555 | ng | | 98 |
| 26) 2-Nitrophenol | 7.70 | 139 | 255739 | 51.714 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.74 | 122 | 393388 | 48.995 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.83 | 93 | 556661 | 47.297 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.94 | 162 | 391531 | 47.721 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.02 | 180 | 405719 | 44.571 | ng | | 99 |
| 31) Naphthalene | 8.10 | 128 | 1255448 | 43.783 | ng | | 100 |
| 32) Benzoic acid | 7.89 | 122 | 304983 | 50.601 | ng | | 99 |
| 33) 4-Chloroaniline | 8.15 | 127 | 381702 | 29.840 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.22 | 225 | 228493 | 42.581 | ng | | 98 |
| 35) Caprolactam | 8.55 | 113 | 137248m | 52.164 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.65 | 107 | 415067 | 49.327 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.79 | 142 | 873035 | 46.891 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.89 | 142 | 818377 | 46.410 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216 | 401660 | 45.959 | ng | | 100 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.95 | 237 | 383447 | 79.387 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.07 | 196 | 291244 | 47.331 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.12 | 196 | 316038 | 45.278 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.26 | 154 | 1062344 | 46.430 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.28 | 162 | 822159 | 44.073 | ng | | 98 |
| 48) 2-Nitroaniline | 9.38 | 65 | 275191 | 48.814 | ng | | 98 |
| 49) Acenaphthylene | 9.70 | 152 | 1323861 | 45.681 | ng | | 100 |
| 50) Dimethylphthalate | 9.56 | 163 | 1151559 | 53.214 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.63 | 165 | 229687 | 49.404 | ng | | 98 |
| 52) Acenaphthene | 9.87 | 154 | 919263m | 49.892 | ng | | |
| 53) 3-Nitroaniline | 9.80 | 138 | 182324 | 31.269 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 9.91 | 184 | 265912 | 97.713 | ng | | 97 |
| 55) Dibenzofuran | 10.05 | 168 | 1151088 | 43.202 | ng | | 99 |
| 56) 4-Nitrophenol | 9.97 | 139 | 391698 | 88.434 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 10.03 | 165 | 296624 | 48.585 | ng | # | 87 |
| 58) Fluorene | 10.39 | 166 | 878909 | 44.229 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.17 | 232 | 269945 | 50.795 | ng | | 100 |
| 60) Diethylphthalate | 10.26 | 149 | 1021163 | 46.653 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.37 | 204 | 428943 | 40.469 | ng | | 99 |
| 62) 4-Nitroaniline | 10.42 | 138 | 267565 | 47.108 | ng | | 97 |
| 63) Azobenzene | 10.54 | 77 | 948500 | 45.518 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.45 | 198 | 183246 | 52.953 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.50 | 169 | 854599 | 45.804 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.87 | 248 | 292864 | 44.289 | ng | | 96 |
| 68) Hexachlorobenzene | 10.93 | 284 | 334534 | 46.768 | ng | # | 92 |
| 69) Atrazine | 11.03 | 200 | 250501 | 54.213 | ng | | 99 |
| 70) Pentachlorophenol | 11.13 | 266 | 370212 | 90.343 | ng | | 98 |
| 71) Phenanthrene | 11.35 | 178 | 1344877 | 44.090 | ng | | 100 |
| 72) Anthracene | 11.40 | 178 | 1397859 | 45.638 | ng | | 100 |
| 73) Carbazole | 11.56 | 167 | 1368192 | 45.011 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.89 | 149 | 1598586 | 45.572 | ng | | 100 |
| 75) Fluoranthene | 12.54 | 202 | 1572261 | 46.503 | ng | | 99 |
| 77) Benzidine | 12.66 | 184 | 737385 | 57.655 | ng | | 99 |
| 78) Pyrene | 12.77 | 202 | 1604181 | 46.644 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.38 | 149 | 738768 | 48.186 | ng | | 94 |
| 81) Benzo(a)anthracene | 13.96 | 228 | 1390891 | 47.218 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.92 | 252 | 499388 | 44.936 | ng | | 99 |
| 83) Chrysene | 14.00 | 228 | 1395639 | 45.084 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 13.94 | 149 | 945621 | 50.018 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.56 | 149 | 1743500 | 46.354 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.85 | 276 | 1536194 | 43.460 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.00 | 252 | 1508519 | 49.102 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.03 | 252 | 1378669 | 49.206 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.36 | 252 | 1331018 | 47.486 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 16.87 | 278 | 1250356 | 43.305 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.29 | 276 | 1312426 | 46.100 | ng | | 100 |

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

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