Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072519\
Data File : BF115764.D
Acq On : 25 Jul 2019 18:13
Operator : HP/JU
Sample : K3990-02MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-1-BMSD

**Manual Integrations APPROVED**
mohammad
7/26/2019 3:23:14 PM

Quant Time: Jul 26 06:56:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 25 13:16:07 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.87 | 152 | 136733 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.15 | 136 | 532035 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.91 | 164 | 297433 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.39 | 188 | 554750 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 14.03 | 240 | 432703 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 15.50 | 264 | 439801 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 786685 | 94.11 | ng | 0.00 |
| 7) Phenol-d6 | 6.50 | 99 | 1038192 | 97.88 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.43 | 82 | 646909 | 70.70 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.70 | 330 | 313297 | 90.24 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.23 | 172 | 1183251 | 69.63 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.97 | 244 | 1483371 | 63.26 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.66 | 88 | 115113 | 27.607 | ng | 99 |
| 3) Pyridine | 3.46 | 79 | 78871 | 6.972 | ng | 97 |
| 4) n-Nitrosodimethylamine | 3.36 | 42 | 137945 | 33.612 | ng | 99 |
| 6) Aniline | 6.53 | 93 | 335988 | 22.762 | ng | 98 |
| 8) 2-Chlorophenol | 6.66 | 128 | 317193 | 33.004 | ng | 95 |
| 9) Benzaldehyde | 6.42 | 77 | 205339 | 30.979 | ng | 99 |
| 10) Phenol | 6.52 | 94 | 418583 | 33.995 | ng | 92 |
| 11) bis(2-Chloroethyl)ether | 6.60 | 93 | 300795 | 32.086 | ng | 96 |
| 12) 1,3-Dichlorobenzene | 6.81 | 146 | 341878 | 31.639 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 6.89 | 146 | 345906 | 32.084 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 7.04 | 146 | 327551 | 33.235 | ng | 99 |
| 15) Benzyl Alcohol | 7.01 | 79 | 276218 | 32.827 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45 | 410939 | 33.296 | ng | 100 |
| 17) 2-Methylphenol | 7.12 | 107 | 271219 | 32.746 | ng | 100 |
| 18) Hexachloroethane | 7.39 | 117 | 123463 | 30.853 | ng | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.28 | 70 | 220342 | 31.852 | ng | 99 |
| 20) 3+4-Methylphenols | 7.27 | 107 | 325539 | 33.090 | ng | 95 |
| 22) Acetophenone | 7.27 | 105 | 431571 | 35.906 | ng | 99 |
| 24) Nitrobenzene | 7.45 | 77 | 352288 | 35.697 | ng | 98 |
| 25) Isophorone | 7.69 | 82 | 633057 | 34.576 | ng | 98 |
| 26) 2-Nitrophenol | 7.77 | 139 | 170656 | 33.596 | ng | 95 |
| 27) 2,4-Dimethylphenol | 7.80 | 122 | 285026 | 37.501 | ng | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93 | 394308 | 35.105 | ng | 99 |
| 29) 2,4-Dichlorophenol | 8.01 | 162 | 281101 | 35.562 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.09 | 180 | 297541 | 33.301 | ng | 99 |
| 31) Naphthalene | 8.17 | 128 | 931609 | 36.156 | ng | 99 |
| 32) Benzoic acid | 7.88 | 122 | 41457 | 6.646 | ng | 99 |
| 33) 4-Chloroaniline | 8.22 | 127 | 280239 | 24.554 | ng | 99 |
| 34) Hexachlorobutadiene | 8.29 | 225 | 166532 | 32.501 | ng | 99 |
| 35) Caprolactam | 8.57 | 113 | 85763m | 35.112 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.70 | 107 | 300890 | 36.697 | ng | 97 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 637858 | 37.346 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.96 | 142 | 591916 | 36.486 | ng | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.03 | 216 | 287872 | 32.140 | ng | 100 |

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.02 | 237 | 210716 | 41.242 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.15 | 196 | 196872 | 30.057 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.19 | 196 | 213973 | 31.899 | ng | | 96 |
| 46) 1,1'-Biphenyl | 9.33 | 154 | 778199 | 33.467 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.35 | 162 | 611471 | 31.582 | ng | | 99 |
| 48) 2-Nitroaniline | 9.45 | 65 | 198513 | 33.126 | ng | | 95 |
| 49) Acenaphthylene | 9.77 | 152 | 964366 | 33.614 | ng | | 99 |
| 50) Dimethylphthalate | 9.63 | 163 | 984909 | 44.012 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.69 | 165 | 165067 | 32.458 | ng | | 97 |
| 52) Acenaphthene | 9.94 | 154 | 623923 | 33.685 | ng | | 99 |
| 53) 3-Nitroaniline | 9.86 | 138 | 158001 | 27.187 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 9.97 | 184 | 83213 | 31.870 | ng | | 93 |
| 55) Dibenzofuran | 10.12 | 168 | 870772 | 33.104 | ng | | 97 |
| 56) 4-Nitrophenol | 10.02 | 139 | 295400 | 66.658 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 10.09 | 165 | 224788 | 34.118 | ng | | 95 |
| 58) Fluorene | 10.46 | 166 | 664312 | 35.328 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.23 | 232 | 183303 | 32.689 | ng | | 98 |
| 60) Diethylphthalate | 10.33 | 149 | 727206 | 34.683 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.45 | 204 | 337919 | 32.405 | ng | | 98 |
| 62) 4-Nitroaniline | 10.47 | 138 | 191355 | 34.327 | ng | | 98 |
| 63) Azobenzene | 10.60 | 77 | 743441 | 36.555 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.50 | 198 | 90586 | 26.727 | ng | | 93 |
| 66) n-Nitrosodiphenylamine | 10.56 | 169 | 610816 | 35.397 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.93 | 248 | 213985 | 33.754 | ng | | 94 |
| 68) Hexachlorobenzene | 11.01 | 284 | 235517 | 32.531 | ng | # | 92 |
| 69) Atrazine | 11.09 | 200 | 205378 | 36.279 | ng | | 98 |
| 70) Pentachlorophenol | 11.20 | 266 | 242049 | 54.664 | ng | | 98 |
| 71) Phenanthrene | 11.42 | 178 | 1032379 | 36.305 | ng | | 100 |
| 72) Anthracene | 11.47 | 178 | 1081593 | 36.804 | ng | | 99 |
| 73) Carbazole | 11.62 | 167 | 975497 | 37.853 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.95 | 149 | 1243930 | 39.187 | ng | | 99 |
| 75) Fluoranthene | 12.60 | 202 | 1115230 | 37.113 | ng | | 98 |
| 77) Benzidine | 12.72 | 184 | 133265 | 8.694 | ng | | 98 |
| 78) Pyrene | 12.83 | 202 | 1130395 | 30.834 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.45 | 149 | 553525 | 35.419 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.02 | 228 | 957126 | 33.576 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.98 | 252 | 337742 | 33.328 | ng | | 99 |
| 83) Chrysene | 14.06 | 228 | 956859 | 33.437 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 14.00 | 149 | 811158 | 41.903 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.62 | 149 | 1336865 | 43.404 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 16.98 | 276 | 958875 | 39.440 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.07 | 252 | 909852 | 32.128 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.10 | 252 | 818941 | 32.435 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.44 | 252 | 837672 | 34.415 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.99 | 278 | 821751 | 38.456 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.42 | 276 | 763725 | 35.837 | ng | | 98 |

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

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