Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081319\
Data File : BF116224.D
Acq On : 13 Aug 2019 11:50
Operator : HP/JU
Sample : PB122181BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB122181BS

Quant Time: Aug 13 23:43:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 11:13:18 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.83 | 152 | 127110 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.12 | 136 | 523692 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 9.87 | 164 | 277676 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.36 | 188 | 480915 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.00 | 240 | 335416 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.47 | 264 | 295416 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.47 | 112 | 885634 | 116.64 | ng | | 0.00 |
| 7) Phenol-d6 | 6.48 | 99 | 1081798 | 112.92 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 715057 | 78.82 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.67 | 330 | 302639 | 112.42 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.19 | 172 | 1221254 | 82.38 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.94 | 244 | 1365225 | 85.77 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.70 | 88 | 155806 | 40.618 | ng | | 99 |
| 3) Pyridine | 3.45 | 79 | 370156 | 34.545 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.40 | 42 | 159641 | 37.753 | ng | | 100 |
| 6) Aniline | 6.50 | 93 | 429466 | 31.304 | ng | # | 65 |
| 8) 2-Chlorophenol | 6.63 | 128 | 375005 | 44.664 | ng | | 98 |
| 9) Benzaldehyde | 6.39 | 77 | 153879 | 23.280 | ng | | 98 |
| 10) Phenol | 6.49 | 94 | 465002 | 41.219 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.57 | 93 | 362801 | 43.742 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.77 | 146 | 403473 | 41.580 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.85 | 146 | 413132 | 42.522 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.00 | 146 | 377286 | 42.173 | ng | | 98 |
| 15) Benzyl Alcohol | 6.98 | 79 | 304075 | 41.826 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.11 | 45 | 474753 | 41.965 | ng | | 93 |
| 17) 2-Methylphenol | 7.10 | 107 | 310564 | 43.683 | ng | | 97 |
| 18) Hexachloroethane | 7.35 | 117 | 148630 | 41.550 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.25 | 70 | 257528 | 43.381 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.25 | 107 | 383357 | 45.566 | ng | | 96 |
| 22) Acetophenone | 7.25 | 105 | 507670 | 44.202 | ng | | 98 |
| 24) Nitrobenzene | 7.42 | 77 | 416193 | 42.485 | ng | | 97 |
| 25) Isophorone | 7.66 | 82 | 759852 | 43.801 | ng | | 99 |
| 26) 2-Nitrophenol | 7.73 | 139 | 207877 | 45.017 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.77 | 122 | 333754 | 48.041 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.86 | 93 | 467563 | 43.484 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.98 | 162 | 329232 | 44.883 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.06 | 180 | 348546 | 41.684 | ng | | 99 |
| 31) Naphthalene | 8.14 | 128 | 1084729 | 44.016 | ng | | 99 |
| 32) Benzoic acid | 7.93 | 122 | 174817 | 35.691 | ng | | 97 |
| 33) 4-Chloroaniline | 8.19 | 127 | 291702 | 26.492 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.25 | 225 | 197747 | 41.058 | ng | | 99 |
| 35) Caprolactam | 8.57 | 113 | 100557m | 42.385 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 343058 | 44.955 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.83 | 142 | 715309 | 44.073 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.93 | 142 | 666536 | 43.410 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 331507 | 44.657 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.98 | 237 | 133675 | 43.064 ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.12 | 196 | 212758 | 41.639 ng | 98 |
| 44) 2,4,5-Trichlorophenol | 9.17 | 196 | 219975 | 41.648 ng | 97 |
| 46) 1,1'-Biphenyl | 9.29 | 154 | 876393 | 44.705 ng | 100 |
| 47) 2-Chloronaphthalene | 9.32 | 162 | 688810 | 42.216 ng | 99 |
| 48) 2-Nitroaniline | 9.42 | 65 | 216518 | 40.147 ng | 95 |
| 49) Acenaphthylene | 9.73 | 152 | 1031857 | 43.348 ng | 99 |
| 50) Dimethylphthalate | 9.59 | 163 | 813916 | 43.049 ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.66 | 165 | 178914 | 43.545 ng | 90 |
| 52) Acenaphthene | 9.91 | 154 | 618968 | 42.386 ng | 98 |
| 53) 3-Nitroaniline | 9.83 | 138 | 141264 | 27.825 ng | 98 |
| 54) 2,4-Dinitrophenol | 9.96 | 184 | 135840 | 66.467 ng | 98 |
| 55) Dibenzofuran | 10.08 | 168 | 887011 | 41.767 ng | 99 |
| 56) 4-Nitrophenol | 10.02 | 139 | 206043 | 63.354 ng | 95 |
| 57) 2,4-Dinitrotoluene | 10.07 | 165 | 216595 | 39.594 ng | 91 |
| 58) Fluorene | 10.42 | 166 | 716368 | 43.844 ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.20 | 232 | 199572 | 44.911 ng | 98 |
| 60) Diethylphthalate | 10.29 | 149 | 788889 | 44.692 ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.41 | 204 | 368695 | 44.555 ng | 100 |
| 62) 4-Nitroaniline | 10.46 | 138 | 174973 | 33.349 ng | 98 |
| 63) Azobenzene | 10.57 | 77 | 809024 | 44.560 ng | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 10.49 | 198 | 109545 | 42.984 ng | 97 |
| 66) n-Nitrosodiphenylamine | 10.53 | 169 | 650560 | 44.944 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.90 | 248 | 224928 | 43.691 ng | 97 |
| 68) Hexachlorobenzene | 10.98 | 284 | 248048 | 41.667 ng | 95 |
| 69) Atrazine | 11.06 | 200 | 202299 | 42.482 ng | 98 |
| 70) Pentachlorophenol | 11.17 | 266 | 225670 | 78.081 ng | 98 |
| 71) Phenanthrene | 11.39 | 178 | 1047984 | 42.626 ng | 100 |
| 72) Anthracene | 11.44 | 178 | 1091554 | 43.870 ng | 99 |
| 73) Carbazole | 11.59 | 167 | 998789 | 44.246 ng | 99 |
| 74) Di-n-butylphthalate | 11.91 | 149 | 1236584 | 46.959 ng | 99 |
| 75) Fluoranthene | 12.57 | 202 | 1115631 | 43.345 ng | 98 |
| 77) Benzidine | 12.69 | 184 | 382666 | 33.769 ng | 99 |
| 78) Pyrene | 12.80 | 202 | 1123889 | 44.450 ng | 100 |
| 80) Butylbenzylphthalate | 13.41 | 149 | 519402 | 48.564 ng | 98 |
| 81) Benzo(a)anthracene | 14.00 | 228 | 925912 | 43.189 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.95 | 252 | 282815 | 37.971 ng | 98 |
| 83) Chrysene | 14.03 | 228 | 898239 | 43.156 ng | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 13.97 | 149 | 718963 | 51.730 ng | 98 |
| 85) Di-n-octyl phthalate | 14.58 | 149 | 1142311 | 51.745 ng | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.96 | 276 | 797349 | 45.612 ng | 99 |
| 88) Benzo(b)fluoranthene | 15.05 | 252 | 793411 | 46.449 ng | 100 |
| 89) Benzo(k)fluoranthene | 15.08 | 252 | 800681 | 48.125 ng | 98 |
| 90) Benzo(a)pyrene | 15.42 | 252 | 765838 | 50.155 ng | 98 |
| 91) Dibenzo(a,h)anthracene | 16.96 | 278 | 671756 | 50.824 ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.40 | 276 | 667832 | 51.448 ng | 99 |

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

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