Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112219\
Data File : BF117927.D
Acq On : 22 Nov 2019 19:31
Operator : JU
Sample : PB124996BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB124996BS

Manual Integrations APPROVED
mohammad
11/25/2019 8:19:31 AM

Quant Time: Nov 25 03:44:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 18:36:07 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.90 | 152 | 241182 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 8.19 | 136 | 1019278 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 9.96 | 164 | 532645 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 11.45 | 188 | 1015406 | 20.00 | ng | | -0.02 |
| 76) Chrysene-d12 | 14.10 | 240 | 637818 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 15.60 | 264 | 464585 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.53 | 112 | 1676582 | 123.05 | ng | | 0.00 |
| 7) Phenol-d6 | 6.54 | 99 | 2054548 | 125.02 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.47 | 82 | 1136232 | 66.27 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.76 | 330 | 712959 | 126.43 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.27 | 172 | 2223557 | 74.89 | ng | | -0.02 |
| 79) Terphenyl-d14 | 13.04 | 244 | 2359800 | 67.62 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.78 | 88 | 196999 | 30.931 | ng | | 98 |
| 3) Pyridine | 3.54 | 79 | 512047 | 30.649 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.49 | 42 | 289150 | 39.648 | ng | | 100 |
| 6) Aniline | 6.57 | 93 | 737594 | 33.964 | ng | | 99 |
| 8) 2-Chlorophenol | 6.70 | 128 | 685339 | 46.355 | ng | | 97 |
| 9) Benzaldehyde | 6.45 | 77 | 297773 | 24.862 | ng | | 98 |
| 10) Phenol | 6.55 | 94 | 840834 | 49.236 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.65 | 93 | 614369 | 44.799 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.85 | 146 | 738631 | 42.435 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.92 | 146 | 759895 | 43.191 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.08 | 146 | 717024 | 42.612 | ng | | 98 |
| 15) Benzyl Alcohol | 7.05 | 79 | 636077 | 50.132 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.18 | 45 | 865664 | 40.999 | ng | | 97 |
| 17) 2-Methylphenol | 7.16 | 107 | 619303 | 49.464 | ng | | 99 |
| 18) Hexachloroethane | 7.42 | 117 | 275220 | 42.582 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.32 | 70 | 467294 | 46.090 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.31 | 107 | 708392 | 45.579 | ng | # | 85 |
| 22) Acetophenone | 7.32 | 105 | 937129 | 40.922 | ng | # | 97 |
| 24) Nitrobenzene | 7.49 | 77 | 743791 | 42.049 | ng | | 100 |
| 25) Isophorone | 7.73 | 82 | 1385833 | 44.097 | ng | | 98 |
| 26) 2-Nitrophenol | 7.81 | 139 | 418730 | 48.635 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.85 | 122 | 686121 | 51.286 | ng | | 100 |
| 28) bis(2-Chloroethoxy)methane | 7.94 | 93 | 833218 | 41.781 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.05 | 162 | 649517 | 44.758 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.13 | 180 | 678680 | 40.320 | ng | | 99 |
| 31) Naphthalene | 8.22 | 128 | 2046308 | 43.064 | ng | | 100 |
| 32) Benzoic acid | 7.98 | 122 | 558698 | 49.876 | ng | | 98 |
| 33) 4-Chloroaniline | 8.26 | 127 | 573149 | 26.943 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.33 | 225 | 382270 | 38.843 | ng | | 99 |
| 35) Caprolactam | 8.65 | 113 | 213521m | 46.297 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.75 | 107 | 669310 | 45.447 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.91 | 142 | 1404733 | 43.753 | ng | | 99 |
| 38) 1-Methylnaphthalene | 9.01 | 142 | 1347123 | 44.382 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.08 | 216 | 609186 | 39.382 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.06 | 237 | 665158 | 76.732 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.19 | 196 | 483274 | 43.619 | ng | 98 |
| 44) 2,4,5-Trichlorophenol | 9.23 | 196 | 495511 | 43.075 | ng | 98 |
| 46) 1,1'-Biphenyl | 9.38 | 154 | 1704882 | 43.143 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.40 | 162 | 1342226 | 41.288 | ng | 99 |
| 48) 2-Nitroaniline | 9.50 | 65 | 410934 | 41.870 | ng | 93 |
| 49) Acenaphthylene | 9.82 | 152 | 2095498 | 44.212 | ng | 100 |
| 50) Dimethylphthalate | 9.68 | 163 | 1569862 | 42.030 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.74 | 165 | 358920 | 43.968 | ng | 99 |
| 52) Acenaphthene | 9.99 | 154 | 1264950 | 41.662 | ng | 98 |
| 53) 3-Nitroaniline | 9.91 | 138 | 283837 | 29.058 | ng | 95 |
| 54) 2,4-Dinitrophenol | 10.02 | 184 | 405563 | 95.184 | ng | 96 |
| 55) Dibenzofuran | 10.17 | 168 | 1804545 | 42.920 | ng | 99 |
| 56) 4-Nitrophenol | 10.07 | 139 | 639428 | 87.699 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 10.15 | 165 | 486048 | 46.807 | ng | 93 |
| 58) Fluorene | 10.51 | 166 | 1402616 | 43.050 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.28 | 232 | 412540 | 43.646 | ng | 99 |
| 60) Diethylphthalate | 10.38 | 149 | 1571066 | 43.143 | ng | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.50 | 204 | 701606 | 42.433 | ng | 95 |
| 62) 4-Nitroaniline | 10.53 | 138 | 365075 | 37.328 | ng | 98 |
| 63) Azobenzene | 10.66 | 77 | 1393858 | 42.073 | ng | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 10.56 | 198 | 277577 | 58.557 | ng | 84 |
| 66) n-Nitrosodiphenylamine | 10.62 | 169 | 1272969 | 43.077 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.99 | 248 | 455087 | 41.537 | ng | 94 |
| 68) Hexachlorobenzene | 11.06 | 284 | 521069 | 40.787 | ng | 95 |
| 69) Atrazine | 11.15 | 200 | 432746 | 44.517 | ng | 98 |
| 70) Pentachlorophenol | 11.26 | 266 | 606493 | 81.258 | ng | 99 |
| 71) Phenanthrene | 11.48 | 178 | 2100773 | 41.150 | ng | 99 |
| 72) Anthracene | 11.53 | 178 | 2143912 | 42.356 | ng | 100 |
| 73) Carbazole | 11.68 | 167 | 1952437 | 44.142 | ng | 99 |
| 74) Di-n-butylphthalate | 12.01 | 149 | 2294118 | 41.657 | ng | 99 |
| 75) Fluoranthene | 12.67 | 202 | 2093596 | 45.041 | ng | 98 |
| 77) Benzidine | 12.79 | 184 | 446419 | 21.368 | ng | 98 |
| 78) Pyrene | 12.90 | 202 | 2144481 | 41.604 | ng | 99 |
| 80) Butylbenzylphthalate | 13.52 | 149 | 936367 | 42.295 | ng | 98 |
| 81) Benzo(a)anthracene | 14.09 | 228 | 1763061 | 41.830 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.05 | 252 | 538234 | 36.508 | ng | 98 |
| 83) Chrysene | 14.13 | 228 | 1661603 | 40.684 | ng | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 14.07 | 149 | 1203356 | 44.834 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.69 | 149 | 1861334 | 47.205 | ng | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 17.13 | 276 | 1373828 | 39.523 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.16 | 252 | 1563045 | 51.783 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.19 | 252 | 1391985 | 48.944 | ng | 99 |
| 90) Benzo(a)pyrene | 15.54 | 252 | 1317028 | 49.620 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 17.16 | 278 | 1092936 | 47.840 | ng | 97 |
| 92) Benzo(g,h,i)perylene | 17.60 | 276 | 1205009 | 52.957 | ng | 98 |

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

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