Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102219\
Data File : BF117475.D
Acq On : 22 Oct 2019 13:46
Operator : JU
Sample : PB124054BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB124054BSD

Manual Integrations APPROVED
mohammad
10/23/2019 8:05:59 AM

Quant Time: Oct 22 14:57:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 18:53:31 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.73 | 152 | 43650 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.02 | 136 | 197543 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.77 | 164 | 105285 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.25 | 188 | 167490 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.90 | 240 | 118709 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.33 | 264 | 97027 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.37 | 112 | 361440 | 123.19 | ng | | 0.02 |
| 7) Phenol-d6 | 6.39 | 99 | 474388 | 120.38 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.30 | 82 | 250328 | 62.56 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.56 | 330 | 101266 | 111.16 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.09 | 172 | 456612 | 61.11 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.83 | 244 | 446679 | 61.38 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.52 | 88 | 51304 | 41.589 | ng | # | 96 |
| 3) Pyridine | 3.26 | 79 | 115301 | 38.181 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.19 | 42 | 50666 | 46.247 | ng | | 98 |
| 6) Aniline | 6.40 | 93 | 161117 | 34.825 | ng | # | 27 |
| 8) 2-Chlorophenol | 6.53 | 128 | 146215 | 47.226 | ng | | 95 |
| 9) Benzaldehyde | 6.29 | 77 | 93234 | 52.543 | ng | | 97 |
| 10) Phenol | 6.40 | 94 | 185823 | 46.201 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 6.47 | 93 | 135979 | 45.707 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.67 | 146 | 148774 | 43.061 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.75 | 146 | 150273 | 42.875 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 6.90 | 146 | 144285 | 43.672 | ng | | 98 |
| 15) Benzyl Alcohol | 6.89 | 79 | 132078 | 46.911 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.01 | 45 | 138525 | 43.164 | ng | | 70 |
| 17) 2-Methylphenol | 7.00 | 107 | 122465 | 48.084 | ng | | 96 |
| 18) Hexachloroethane | 7.24 | 117 | 57807 | 42.256 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.15 | 70 | 110580 | 45.947 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.16 | 107 | 158508 | 47.468 | ng | # | 81 |
| 22) Acetophenone | 7.15 | 105 | 214323 | 40.858 | ng | | 96 |
| 24) Nitrobenzene | 7.32 | 77 | 167942 | 43.820 | ng | | 95 |
| 25) Isophorone | 7.56 | 82 | 306560 | 44.287 | ng | | 99 |
| 26) 2-Nitrophenol | 7.64 | 139 | 76412 | 44.703 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.68 | 122 | 128063 | 50.131 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.77 | 93 | 181234 | 42.430 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.89 | 162 | 120228 | 44.871 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.96 | 180 | 119615 | 41.600 | ng | | 99 |
| 31) Naphthalene | 8.04 | 128 | 423126 | 43.213 | ng | | 99 |
| 32) Benzoic acid | 7.84 | 122 | 69459 | 39.697 | ng | | 95 |
| 33) 4-Chloroaniline | 8.09 | 127 | 108015 | 26.139 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.15 | 225 | 67909 | 40.804 | ng | | 98 |
| 35) Caprolactam | 8.47 | 113 | 37464m | 43.525 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.59 | 107 | 138891 | 45.451 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.73 | 142 | 290200 | 43.984 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.83 | 142 | 275310 | 44.406 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.90 | 216 | 111017 | 39.149 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.88 | 237 | 63787 | 81.814 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.02 | 196 | 74849 | 42.149 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.06 | 196 | 79151 | 43.986 | ng | | 96 |
| 46) 1,1'-Biphenyl | 9.19 | 154 | 342876 | 39.338 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.22 | 162 | 263399 | 40.080 | ng | | 100 |
| 48) 2-Nitroaniline | 9.32 | 65 | 87628 | 40.617 | ng | | 92 |
| 49) Acenaphthylene | 9.63 | 152 | 413743 | 42.862 | ng | | 99 |
| 50) Dimethylphthalate | 9.49 | 163 | 313931 | 41.826 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.56 | 165 | 67910 | 43.358 | ng | | 95 |
| 52) Acenaphthene | 9.80 | 154 | 245667 | 41.481 | ng | | 98 |
| 53) 3-Nitroaniline | 9.73 | 138 | 50520 | 26.584 | ng | | 92 |
| 54) 2,4-Dinitrophenol | 9.86 | 184 | 45233 | 70.383 | ng | | 93 |
| 55) Dibenzofuran | 9.97 | 168 | 365578 | 42.606 | ng | | 98 |
| 56) 4-Nitrophenol | 9.92 | 139 | 71425 | 81.565 | ng | | 86 |
| 57) 2,4-Dinitrotoluene | 9.97 | 165 | 89568 | 43.012 | ng | | 94 |
| 58) Fluorene | 10.32 | 166 | 299440 | 42.201 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.10 | 232 | 63123 | 44.632 | ng | | 99 |
| 60) Diethylphthalate | 10.19 | 149 | 323581 | 42.623 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 10.30 | 204 | 131514 | 41.312 | ng | | 99 |
| 62) 4-Nitroaniline | 10.36 | 138 | 64495 | 36.006 | ng | | 99 |
| 63) Azobenzene | 10.47 | 77 | 339404 | 43.672 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 10.39 | 198 | 37232 | 43.722 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 10.43 | 169 | 261851 | 42.765 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 10.79 | 248 | 75135 | 41.648 | ng | | 99 |
| 68) Hexachlorobenzene | 10.87 | 284 | 77555 | 40.141 | ng | # | 86 |
| 69) Atrazine | 10.96 | 200 | 83082 | 53.331 | ng | | 98 |
| 70) Pentachlorophenol | 11.07 | 266 | 62670 | 108.202 | ng | | 98 |
| 71) Phenanthrene | 11.28 | 178 | 409816 | 42.138 | ng | | 98 |
| 72) Anthracene | 11.33 | 178 | 432867 | 43.378 | ng | | 99 |
| 73) Carbazole | 11.49 | 167 | 388871 | 42.642 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.81 | 149 | 528846 | 43.401 | ng | | 100 |
| 75) Fluoranthene | 12.47 | 202 | 417289 | 42.860 | ng | | 98 |
| 77) Benzidine | 12.59 | 184 | 190869 | 74.739 | ng | | 99 |
| 78) Pyrene | 12.70 | 202 | 420556 | 41.245 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.30 | 149 | 213681 | 42.113 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.89 | 228 | 334149 | 41.730 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.84 | 252 | 81839 | 32.571 | ng | | 98 |
| 83) Chrysene | 13.93 | 228 | 327723 | 41.760 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.87 | 149 | 315736 | 44.422 | ng | | 96 |
| 85) Di-n-octyl phthalate | 14.48 | 149 | 511974 | 46.849 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 16.74 | 276 | 227522 | 38.832 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 14.92 | 252 | 254724 | 44.458 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 14.95 | 252 | 271775 | 46.280 | ng | | 97 |
| 90) Benzo(a)pyrene | 15.27 | 252 | 226474 | 43.475 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.74 | 278 | 194733 | 43.232 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.16 | 276 | 184529 | 43.297 | ng | | 97 |

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

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