Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080519\
Data File : BF115982.D
Acq On : 5 Aug 2019 16:24
Operator : HP/JU
Sample : PB121965BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB121965BS

**Manual Integrations APPROVED**
mohammad
8/8/2019 4:45:43 PM

Quant Time: Aug 06 02:03:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 15:31:51 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 133944 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.12 | 136 | 531846 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 9.88 | 164 | 275113 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 11.36 | 188 | 452314 | 20.00 | ng | | -0.02 |
| 76) Chrysene-d12 | 14.00 | 240 | 307898 | 20.00 | ng | | -0.02 |
| 87) Perylene-d12 | 15.47 | 264 | 285202 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.48 | 112 | 823570 | 102.93 | ng | | 0.01 |
| 7) Phenol-d6 | 6.48 | 99 | 1041260 | 103.15 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 679211 | 73.72 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.67 | 330 | 276921 | 103.82 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 9.20 | 172 | 1210153 | 82.39 | ng | | -0.02 |
| 79) Terphenyl-d14 | 12.95 | 244 | 1219333 | 83.45 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.71 | 88 | 153743 | 38.036 | ng | | 100 |
| 3) Pyridine | 3.46 | 79 | 332846 | 29.478 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.40 | 42 | 151161 | 33.923 | ng | | 97 |
| 6) Aniline | 6.51 | 93 | 376336 | 26.031 | ng | | 99 |
| 8) 2-Chlorophenol | 6.63 | 128 | 338173 | 38.222 | ng | | 99 |
| 9) Benzaldehyde | 6.40 | 77 | 124308 | 17.847 | ng | | 99 |
| 10) Phenol | 6.49 | 94 | 429576 | 36.136 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.58 | 93 | 327159 | 37.433 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.79 | 146 | 365407 | 35.736 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.86 | 146 | 373738 | 36.505 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.02 | 146 | 348579 | 36.976 | ng | | 99 |
| 15) Benzyl Alcohol | 6.99 | 79 | 280780 | 36.651 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45 | 439396 | 36.858 | ng | | 95 |
| 17) 2-Methylphenol | 7.10 | 107 | 280588 | 37.453 | ng | | 99 |
| 18) Hexachloroethane | 7.36 | 117 | 134675 | 35.728 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70 | 233676 | 37.355 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.25 | 107 | 343101 | 38.701 | ng | # | 80 |
| 22) Acetophenone | 7.25 | 105 | 466354 | 39.982 | ng | | 97 |
| 24) Nitrobenzene | 7.42 | 77 | 376297 | 37.824 | ng | | 99 |
| 25) Isophorone | 7.66 | 82 | 668239 | 37.929 | ng | | 100 |
| 26) 2-Nitrophenol | 7.74 | 139 | 183110 | 39.046 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.78 | 122 | 299450 | 42.442 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93 | 414814 | 37.987 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.99 | 162 | 288170 | 38.682 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.07 | 180 | 320309 | 37.719 | ng | | 100 |
| 31) Naphthalene | 8.15 | 128 | 986929 | 39.434 | ng | | 100 |
| 32) Benzoic acid | 7.91 | 122 | 170289 | 34.234 | ng | | 98 |
| 33) 4-Chloroaniline | 8.19 | 127 | 270144 | 24.158 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.26 | 225 | 178936 | 36.583 | ng | | 99 |
| 35) Caprolactam | 8.56 | 113 | 83566m | 34.683 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.68 | 107 | 295914 | 38.182 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.84 | 142 | 651959 | 39.554 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.94 | 142 | 615248 | 39.456 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 297289 | 40.421 | ng | | 99 |

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|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.99 | 237 | 170380 | 53.704 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 9.12 | 196 | 184427 | 36.430 | ng | 99 |
| 44) 2,4,5-Trichlorophenol | 9.16 | 196 | 197209 | 37.685 | ng | 96 |
| 46) 1,1'-Biphenyl | 9.30 | 154 | 798318 | 41.102 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.33 | 162 | 614460 | 38.010 | ng | 99 |
| 48) 2-Nitroaniline | 9.42 | 65 | 187827 | 35.152 | ng | 90 |
| 49) Acenaphthylene | 9.74 | 152 | 934598 | 39.628 | ng | 99 |
| 50) Dimethylphthalate | 9.60 | 163 | 707777 | 37.784 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.66 | 165 | 155886 | 38.294 | ng | 93 |
| 52) Acenaphthene | 9.91 | 154 | 560842 | 38.763 | ng | 99 |
| 53) 3-Nitroaniline | 9.83 | 138 | 117538 | 23.367 | ng | 94 |
| 54) 2,4-Dinitrophenol | 9.95 | 184 | 121674 | 60.840 | ng | 90 |
| 55) Dibenzofuran | 10.09 | 168 | 843507 | 40.089 | ng | 99 |
| 56) 4-Nitrophenol | 10.00 | 139 | 212168 | 65.845 | ng | 99 |
| 57) 2,4-Dinitrotoluene | 10.07 | 165 | 203884 | 37.617 | ng | 90 |
| 58) Fluorene | 10.43 | 166 | 640073 | 39.539 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.21 | 232 | 167661 | 38.082 | ng | 98 |
| 60) Diethylphthalate | 10.30 | 149 | 676490 | 38.681 | ng | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.42 | 204 | 326571 | 39.832 | ng | 99 |
| 62) 4-Nitroaniline | 10.45 | 138 | 159022 | 30.592 | ng | 99 |
| 63) Azobenzene | 10.57 | 77 | 704684 | 39.175 | ng | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 10.49 | 198 | 92846 | 38.735 | ng | 93 |
| 66) n-Nitrosodiphenylamine | 10.53 | 169 | 560328 | 41.158 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.90 | 248 | 194938 | 40.260 | ng | 99 |
| 68) Hexachlorobenzene | 10.98 | 284 | 216234 | 38.620 | ng | 98 |
| 69) Atrazine | 11.06 | 200 | 168326 | 37.583 | ng | 99 |
| 70) Pentachlorophenol | 11.17 | 266 | 189234 | 69.615 | ng | 97 |
| 71) Phenanthrene | 11.39 | 178 | 904425 | 39.113 | ng | 100 |
| 72) Anthracene | 11.44 | 178 | 938321 | 40.096 | ng | 99 |
| 73) Carbazole | 11.59 | 167 | 832649 | 39.218 | ng | 99 |
| 74) Di-n-butylphthalate | 11.92 | 149 | 1039838 | 41.985 | ng | 100 |
| 75) Fluoranthene | 12.58 | 202 | 926790 | 38.285 | ng | 100 |
| 77) Benzidine | 12.70 | 184 | 299557 | 28.798 | ng | 98 |
| 78) Pyrene | 12.81 | 202 | 933545 | 40.222 | ng | 99 |
| 80) Butylbenzylphthalate | 13.42 | 149 | 416042 | 42.376 | ng | 96 |
| 81) Benzo(a)anthracene | 13.99 | 228 | 759856 | 38.611 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.95 | 252 | 243782 | 35.656 | ng | 98 |
| 83) Chrysene | 14.03 | 228 | 738068 | 38.630 | ng | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 13.97 | 149 | 597227 | 46.811 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.59 | 149 | 933813 | 46.081 | ng | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 16.94 | 276 | 737711 | 45.972 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.04 | 252 | 692965 | 42.021 | ng | 98 |
| 89) Benzo(k)fluoranthene | 15.07 | 252 | 665155 | 41.411 | ng | 99 |
| 90) Benzo(a)pyrene | 15.40 | 252 | 647078 | 43.895 | ng | 98 |
| 91) Dibenzo(a,h)anthracene | 16.94 | 278 | 627584 | 49.183 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 17.38 | 276 | 618677 | 49.369 | ng | 98 |

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

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