Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090919\
Data File : BF116898.D
Acq On : 9 Sep 2019 15:58
Operator : HP/JU
Sample : PB122923BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB122923BS

**Manual Integrations APPROVED**
mohammad
9/12/2019 9:28:02 AM

Quant Time: Sep 09 16:47:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 09 16:37:52 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.83 | 152 | 83662 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.12 | 136 | 361681 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.87 | 164 | 190562 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.35 | 188 | 311725 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.99 | 240 | 226384 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.44 | 264 | 165034 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.47 | 112 | 562800 | 108.98 | ng | | 0.01 |
| 7) Phenol-d6 | 6.47 | 99 | 722582 | 106.56 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 418516 | 66.06 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.66 | 330 | 159518 | 125.22 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.19 | 172 | 740469 | 65.55 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.93 | 244 | 736539 | 60.19 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.69 | 88 | 85800 | 35.992 | ng | | 98 |
| 3) Pyridine | 3.43 | 79 | 189597 | 27.469 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.36 | 42 | 84194 | 35.522 | ng | | 91 |
| 6) Aniline | 6.50 | 93 | 251307 | 26.757 | ng | | 99 |
| 8) 2-Chlorophenol | 6.63 | 128 | 249390 | 44.239 | ng | | 99 |
| 9) Benzaldehyde | 6.38 | 77 | 110146 | 24.655 | ng | | 98 |
| 10) Phenol | 6.49 | 94 | 311760 | 41.519 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.57 | 93 | 232366 | 39.743 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.78 | 146 | 243659 | 38.243 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.85 | 146 | 251659 | 39.674 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.01 | 146 | 234687 | 39.923 | ng | | 99 |
| 15) Benzyl Alcohol | 6.98 | 79 | 226956 | 41.232 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.11 | 45 | 225810 | 32.918 | ng | | 98 |
| 17) 2-Methylphenol | 7.09 | 107 | 209858 | 42.525 | ng | | 98 |
| 18) Hexachloroethane | 7.35 | 117 | 95569 | 38.779 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.25 | 70 | 176459 | 39.521 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.25 | 107 | 261939 | 45.650 | ng | | 93 |
| 22) Acetophenone | 7.25 | 105 | 359170 | 41.248 | ng | # | 97 |
| 24) Nitrobenzene | 7.42 | 77 | 272024 | 42.216 | ng | | 98 |
| 25) Isophorone | 7.66 | 82 | 495162 | 38.570 | ng | | 100 |
| 26) 2-Nitrophenol | 7.73 | 139 | 125799 | 52.513 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.77 | 122 | 215559 | 44.554 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.86 | 93 | 295014 | 37.604 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.98 | 162 | 201786 | 43.399 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.06 | 180 | 199653 | 39.589 | ng | | 96 |
| 31) Naphthalene | 8.14 | 128 | 699958 | 40.699 | ng | | 99 |
| 32) Benzoic acid | 7.90 | 122 | 138205 | 50.591 | ng | | 98 |
| 33) 4-Chloroaniline | 8.19 | 127 | 200733 | 25.641 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.26 | 225 | 110685 | 40.253 | ng | | 96 |
| 35) Caprolactam | 8.55 | 113 | 63596m | 36.548 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.67 | 107 | 236975 | 44.345 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.83 | 142 | 480194 | 41.964 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.93 | 142 | 444348 | 41.135 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 186354 | 40.794 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.99 | 237 | 153998 | 58.378 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.11 | 196 | 132283 | 42.244 | ng | | 100 |
| 44) 2,4,5-Trichlorophenol | 9.15 | 196 | 145827 | 44.856 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.29 | 154 | 562958 | 38.932 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.32 | 162 | 443752 | 38.746 | ng | | 97 |
| 48) 2-Nitroaniline | 9.41 | 65 | 141213 | 42.649 | ng | | 89 |
| 49) Acenaphthylene | 9.73 | 152 | 686756 | 39.668 | ng | | 99 |
| 50) Dimethylphthalate | 9.59 | 163 | 508099 | 38.620 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.65 | 165 | 111488 | 44.415 | ng | | 93 |
| 52) Acenaphthene | 9.90 | 154 | 402558 | 37.844 | ng | | 98 |
| 53) 3-Nitroaniline | 9.82 | 138 | 96383 | 30.640 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 9.93 | 184 | 95666 | 104.312 | ng | | 93 |
| 55) Dibenzofuran | 10.07 | 168 | 605864 | 40.402 | ng | | 98 |
| 56) 4-Nitrophenol | 9.99 | 139 | 195530 | 90.652 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 10.06 | 165 | 148907 | 48.515 | ng | | 95 |
| 58) Fluorene | 10.42 | 166 | 484660 | 42.417 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.20 | 232 | 110529 | 47.108 | ng | | 99 |
| 60) Diethylphthalate | 10.29 | 149 | 506283 | 38.417 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 10.41 | 204 | 206646 | 41.300 | ng | | 97 |
| 62) 4-Nitroaniline | 10.44 | 138 | 130930 | 42.889 | ng | | 97 |
| 63) Azobenzene | 10.57 | 77 | 529859 | 38.559 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 10.47 | 198 | 64819 | 55.146 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 10.53 | 169 | 427061 | 39.603 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.90 | 248 | 118670 | 37.474 | ng | | 96 |
| 68) Hexachlorobenzene | 10.97 | 284 | 127724 | 38.550 | ng | # | 88 |
| 69) Atrazine | 11.05 | 200 | 112278 | 37.176 | ng | | 98 |
| 70) Pentachlorophenol | 11.16 | 266 | 144511 | 90.164 | ng | | 93 |
| 71) Phenanthrene | 11.38 | 178 | 686198 | 39.544 | ng | | 99 |
| 72) Anthracene | 11.43 | 178 | 700655 | 40.111 | ng | | 100 |
| 73) Carbazole | 11.59 | 167 | 669208 | 40.219 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.91 | 149 | 809730 | 37.960 | ng | | 99 |
| 75) Fluoranthene | 12.56 | 202 | 711014 | 41.694 | ng | | 99 |
| 77) Benzidine | 12.68 | 184 | 148415 | 16.715 | ng | | 98 |
| 78) Pyrene | 12.79 | 202 | 721198 | 35.838 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.40 | 149 | 345693 | 35.324 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.98 | 228 | 581790 | 40.606 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.94 | 252 | 174219 | 35.981 | ng | | 98 |
| 83) Chrysene | 14.02 | 228 | 572280 | 38.769 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 13.96 | 149 | 471982 | 39.070 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.57 | 149 | 776374 | 39.272 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.89 | 276 | 407584 | 34.376 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.02 | 252 | 525771 | 52.695 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.05 | 252 | 457879 | 50.331 | ng | | 97 |
| 90) Benzo(a)pyrene | 15.38 | 252 | 450956 | 51.949 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.90 | 278 | 344977 | 45.402 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.33 | 276 | 335697 | 43.320 | ng | | 99 |

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

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