Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\
Data File : BF110887.D
Acq On : 20 Nov 2018 11:32
Operator : JU/SJ
Sample : PB114904BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB114904BS

**Manual Integrations APPROVED**
Sohil
11/21/2018 3:17:45 PM

Quant Time: Nov 20 11:59:31 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 12:43:10 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.94 | 152 | 63718 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.22 | 136 | 262488 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.99 | 164 | 123167 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.48 | 188 | 227416 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.13 | 240 | 166169 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.66 | 264 | 120503 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.57 | 112 | 448714 | 114.39 | ng | | 0.00 |
| 7) Phenol-d6 | 6.57 | 99 | 553674 | 110.38 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.51 | 82 | 279032 | 61.22 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.78 | 330 | 137586 | 110.86 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.30 | 172 | 531518 | 61.63 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.06 | 244 | 535992 | 60.41 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.86 | 88 | 59424 | 30.403 | ng | | 87 |
| 3) Pyridine | 3.64 | 79 | 158297 | 37.521 | ng | # | 83 |
| 4) n-Nitrosodimethylamine | 3.59 | 42 | 79447 | 43.888 | ng | | 84 |
| 6) Aniline | 6.61 | 93 | 190347 | 29.098 | ng | # | 55 |
| 8) 2-Chlorophenol | 6.73 | 128 | 173710 | 37.774 | ng | | 99 |
| 9) Benzaldehyde | 6.50 | 77 | 89810 | 31.522 | ng | | 98 |
| 10) Phenol | 6.59 | 94 | 209799 | 36.069 | ng | # | 64 |
| 11) bis(2-Chloroethyl)ether | 6.67 | 93 | 156631 | 35.932 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 6.88 | 146 | 180928 | 35.959 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.96 | 146 | 186350 | 36.472 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.11 | 146 | 175134 | 36.846 | ng | | 100 |
| 15) Benzyl Alcohol | 7.09 | 79 | 143933 | 36.666 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.20 | 45 | 246950 | 36.074 | ng | | 78 |
| 17) 2-Methylphenol | 7.19 | 107 | 136052 | 37.174 | ng | # | 84 |
| 18) Hexachloroethane | 7.45 | 117 | 70078 | 37.152 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.35 | 70 | 118089 | 36.879 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.35 | 107 | 175531m | 37.362 | ng | | |
| 22) Acetophenone | 7.35 | 105 | 238156 | 38.931 | ng | # | 94 |
| 24) Nitrobenzene | 7.53 | 77 | 179361 | 38.408 | ng | | 96 |
| 25) Isophorone | 7.76 | 82 | 313542 | 41.971 | ng | | 98 |
| 26) 2-Nitrophenol | 7.85 | 139 | 88724 | 38.084 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.87 | 122 | 154349 | 43.503 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.96 | 93 | 197054 | 38.959 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.09 | 162 | 140776 | 38.561 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.16 | 180 | 154853 | 37.621 | ng | | 97 |
| 31) Naphthalene | 8.25 | 128 | 499748 | 40.556 | ng | | 99 |
| 32) Benzoic acid | 8.00 | 122 | 75167 | 29.943 | ng | | 95 |
| 33) 4-Chloroaniline | 8.30 | 127 | 131400 | 23.542 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.35 | 225 | 86255 | 36.688 | ng | | 97 |
| 35) Caprolactam | 8.67 | 113 | 47088m | 38.606 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.78 | 107 | 153228 | 38.917 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.94 | 142 | 340502 | 42.152 | ng | | 99 |
| 38) 1-Methylnaphthalene | 9.04 | 142 | 319562 | 41.135 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.10 | 216 | 145342 | 37.279 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.08 | 237 | 46870 | 35.524 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.22 | 196 | 93919 | 38.335 | ng | | 96 |
| 44) 2,4,5-Trichlorophenol | 9.27 | 196 | 97189 | 37.189 | ng | | 95 |
| 46) 1,1'-Biphenyl | 9.40 | 154 | 411979 | 35.856 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.43 | 162 | 313035 | 37.817 | ng | | 97 |
| 48) 2-Nitroaniline | 9.53 | 65 | 97459 | 38.207 | ng | | 96 |
| 49) Acenaphthylene | 9.85 | 152 | 483554 | 40.564 | ng | | 99 |
| 50) Dimethylphthalate | 9.70 | 163 | 346985 | 37.755 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.77 | 165 | 78523 | 38.840 | ng | | 87 |
| 52) Acenaphthene | 10.02 | 154 | 289551 | 38.435 | ng | | 98 |
| 53) 3-Nitroaniline | 9.95 | 138 | 61778 | 26.376 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 10.07 | 184 | 46732 | 59.318 | ng | | 91 |
| 55) Dibenzofuran | 10.19 | 168 | 417821 | 37.908 | ng | | 98 |
| 56) 4-Nitrophenol | 10.12 | 139 | 92606 | 59.596 | ng | | 100 |
| 57) 2,4-Dinitrotoluene | 10.19 | 165 | 100002 | 38.043 | ng | | 98 |
| 58) Fluorene | 10.54 | 166 | 343554 | 40.580 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.32 | 232 | 80958m | 39.379 | ng | | |
| 60) Diethylphthalate | 10.40 | 149 | 351009 | 38.605 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.52 | 204 | 161702 | 36.889 | ng | | 97 |
| 62) 4-Nitroaniline | 10.57 | 138 | 77817 | 32.993 | ng | | 96 |
| 63) Azobenzene | 10.68 | 77 | 335401 | 37.810 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.60 | 198 | 36650 | 31.977 | ng | | 78 |
| 66) n-Nitrosodiphenylamine | 10.65 | 169 | 292757 | 38.192 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 11.02 | 248 | 93356 | 37.143 | ng | | 98 |
| 68) Hexachlorobenzene | 11.09 | 284 | 98548 | 37.189 | ng | # | 89 |
| 69) Atrazine | 11.17 | 200 | 94344 | 40.253 | ng | | 98 |
| 70) Pentachlorophenol | 11.29 | 266 | 77876 | 55.076 | ng | | 97 |
| 71) Phenanthrene | 11.50 | 178 | 492061 | 40.387 | ng | | 100 |
| 72) Anthracene | 11.56 | 178 | 515111 | 41.911 | ng | | 98 |
| 73) Carbazole | 11.72 | 167 | 431275 | 36.538 | ng | | 99 |
| 74) Di-n-butylphthalate | 12.02 | 149 | 533622 | 38.552 | ng | | 98 |
| 75) Fluoranthene | 12.70 | 202 | 495861 | 40.594 | ng | | 100 |
| 77) Benzidine | 12.82 | 184 | 201028 | 43.992 | ng | | 96 |
| 78) Pyrene | 12.93 | 202 | 505626 | 39.519 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.53 | 149 | 217371 | 39.472 | ng | | 97 |
| 81) Benzo(a)anthracene | 14.12 | 228 | 402300 | 40.505 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.08 | 252 | 99196 | 29.814 | ng | | 99 |
| 83) Chrysene | 14.16 | 228 | 387036 | 40.903 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 14.07 | 149 | 284663 | 41.669 | ng | | 96 |
| 85) Di-n-octyl phthalate | 14.69 | 149 | 450893 | 44.883 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 17.25 | 276 | 294162 | 43.322 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.21 | 252 | 295977 | 41.057 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.24 | 252 | 301077 | 42.267 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.60 | 252 | 279764 | 42.713 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 17.25 | 278 | 248772 | 44.882 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.73 | 276 | 240050 | 43.650 | ng | | 99 |

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

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