Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100996.D
Acq On : 29 Nov 2017 23:25
Operator : SJ/JU
Sample : I6610-19 MSD5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-12(0-2)-20171127MSD

**Manual Integrations APPROVED**

Quant Time: Nov 30 07:27:53 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 28 15:21:02 2017
Response via : Initial Calibration

Sohil

11/30/2017 4:30:19 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 80141 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.14 | 136 | 297765 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.89 | 164 | 127504 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.38 | 188 | 205998 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.03 | 240 | 139313 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.50 | 264 | 138079 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 79882 | 15.98 | ng | | -0.01 |
| 7) Phenol-d6 | 6.48 | 99 | 95566 | 15.50 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 55965 | 12.43 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.68 | 330 | 22010 | 16.94 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.21 | 172 | 126062 | 15.05 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.96 | 244 | 84338 | 13.91 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.63 | 88 | 8340 | 3.423 | ng | | 97 |
| 3) Pyridine | 3.44 | 79 | 20760 | 3.123 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.35 | 42 | 12354 | 3.828 | ng | | 88 |
| 6) Aniline | 6.52 | 93 | 20464 | 2.350 | ng | | 95 |
| 8) 2-Chlorophenol | 6.64 | 128 | 28970 | 5.477 | ng | | 90 |
| 9) Benzaldehyde | 6.40 | 77 | 13946 | 3.168 | ng | | 93 |
| 10) Phenol | 6.49 | 94 | 36813 | 5.688 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.59 | 93 | 27305 | 5.023 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.79 | 146 | 32546 | 5.337 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 6.87 | 146 | 32860 | 5.324 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.02 | 146 | 32066 | 5.619 | ng | | 94 |
| 15) Benzyl Alcohol | 6.99 | 79 | 22532 | 4.683 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45 | 43308 | 4.981 | ng | | 100 |
| 17) 2-Methylphenol | 7.10 | 107 | 23191 | 5.131 | ng | | 97 |
| 18) Hexachloroethane | 7.36 | 117 | 7991 | 3.927 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70 | 20122 | 4.706 | ng | | 93 |
| 20) 3+4-Methylphenols | 7.26 | 107 | 31427 | 5.495 | ng | # | 55 |
| 22) Acetophenone | 7.26 | 105 | 39732 | 5.472 | ng | # | 91 |
| 24) Nitrobenzene | 7.43 | 77 | 26732 | 5.767 | ng | | 94 |
| 25) Isophorone | 7.67 | 82 | 50730 | 5.360 | ng | | 98 |
| 26) 2-Nitrophenol | 7.75 | 139 | 12300 | 10.404 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.79 | 122 | 24247 | 5.715 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.88 | 93 | 32189 | 5.199 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 8.00 | 162 | 23885 | 5.897 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 8.07 | 180 | 26393 | 6.024 | ng | | 97 |
| 31) Naphthalene | 8.16 | 128 | 102830 | 7.170 | ng | | 99 |
| 32) Benzoic acid | 7.88 | 122 | 445m | 9.481 | ng | | |
| 33) 4-Chloroaniline | 8.21 | 127 | 17816 | 2.984 | ng | | 94 |
| 34) Hexachlorobutadiene | 8.27 | 225 | 15715 | 6.033 | ng | | 95 |
| 35) Caprolactam | 8.55 | 113 | 6297 | 4.530 | ng | | 93 |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 21867 | 5.027 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.85 | 142 | 64706 | 6.796 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 25372 | 6.000 | ng | # | 96 |
| 42) 2,4,6-Trichlorophenol | 9.13 | 196 | 16383 | 6.113 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 9.17 | 196 | 16387 | 5.901 | ng | # | 93 |
| 45) 1,1'-Biphenyl | 9.31 | 154 | 68553 | 6.216 | ng | | 96 |
| 46) 2-Chloronaphthalene | 9.34 | 162 | 49711 | 6.214 | ng | | 93 |
| 47) 2-Nitroaniline | 9.43 | 65 | 12652 | 7.826 | ng | | 95 |
| 48) Acenaphthylene | 9.75 | 152 | 121652 | 9.176 | ng | | 100 |
| 49) Dimethylphthalate | 9.60 | 163 | 69147 | 7.103 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.67 | 165 | 10131 | 5.257 | ng | | 88 |
| 51) Acenaphthene | 9.93 | 154 | 77700 | 9.636 | ng | | 99 |
| 52) 3-Nitroaniline | 9.85 | 138 | 10707 | 4.705 | ng | | 89 |
| 53) 2,4-Dinitrophenol | 9.96 | 184 | 1242m | 9.837 | ng | | |
| 54) Dibenzofuran | 10.10 | 168 | 88495 | 7.830 | ng | | 96 |
| 55) 4-Nitrophenol | 10.01 | 139 | 13327 | 7.213 | ng | | 88 |
| 56) 2,4-Dinitrotoluene | 10.08 | 165 | 12381 | 5.093 | ng | # | 86 |
| 57) Fluorene | 10.44 | 166 | 94412 | 11.404 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.22 | 232 | 12144 | 5.336 | ng | # | 86 |
| 59) Diethylphthalate | 10.30 | 149 | 56319 | 5.781 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.43 | 204 | 26007 | 6.403 | ng | | 92 |
| 61) 4-Nitroaniline | 10.45 | 138 | 11253 | 5.215 | ng | | 93 |
| 62) Azobenzene | 10.59 | 77 | 43716 | 4.764 | ng | | 90 |
| 64) 4,6-Dinitro-2-methylphenol | 10.49 | 198 | 1638 | 9.864 | ng | | 90 |
| 65) n-Nitrosodiphenylamine | 10.55 | 169 | 48993 | 6.840 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 10.92 | 248 | 15002 | 6.794 | ng | # | 82 |
| 67) Hexachlorobenzene | 10.99 | 284 | 13765 | 5.960 | ng | # | 88 |
| 68) Atrazine | 11.07 | 200 | 13004 | 5.998 | ng | | 93 |
| 69) Pentachlorophenol | 11.19 | 266 | 10525 | 6.355 | ng | | 97 |
| 70) Phenanthrene | 11.41 | 178 | 688324 | 63.463 | ng | | 99 |
| 71) Anthracene | 11.46 | 178 | 257372 | 23.389 | ng | | 98 |
| 72) Carbazole | 11.61 | 167 | 86931 | 8.562 | ng | | 97 |
| 73) Di-n-butylphthalate | 11.93 | 149 | 77063 | 6.486 | ng | | 98 |
| 74) Fluoranthene | 12.61 | 202 | 1074399 | 93.468 | ng | | 95 |
| 77) Pyrene | 12.84 | 202 | 975231 | 98.203 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.43 | 149 | 32333 | 7.984 | ng | | 97 |
| 80) Benzo(a)anthracene | 14.02 | 228 | 571930 | 68.173 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.97 | 252 | 14777 | 4.916 | ng | | 99 |
| 82) Chrysene | 14.06 | 228 | 471989 | 58.098 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149 | 37319 | 7.006 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.60 | 149 | 70922 | 7.750 | ng | # | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 17.00 | 276 | 268484 | 40.858 | ng | # | 89 |
| 87) Benzo(b)fluoranthene | 15.08 | 252 | 539928m | 66.002 | ng | | |
| 88) Benzo(k)fluoranthene | 15.10 | 252 | 248204m | 32.112 | ng | | |
| 89) Benzo(a)pyrene | 15.45 | 252 | 417749 | 57.603 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 17.00 | 278 | 92519m | 15.599 | ng | | |
| 91) Benzo(g,h,i)perylene | 17.45 | 276 | 237501 | 40.908 | ng | # | 89 |

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

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