Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
Data File : BF107923.D
Acq On : 2 Aug 2018 21:33
Operator : JU/SJ
Sample : J4285-05MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** KG-PIT-2MSD

Quant Time: Aug 03 00:57:20 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 30 17:48:53 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.96 | 152 | 133135 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.24 | 136 | 513931 | 20.00 | ng | -0.01 |
| 38) Acenaphthene-d10 | 10.00 | 164 | 188846 | 20.00 | ng | -0.01 |
| 63) Phenanthrene-d10 | 11.49 | 188 | 334296 | 20.00 | ng | -0.01 |
| 75) Chrysene-d12 | 14.14 | 240 | 333614 | 20.00 | ng | -0.01 |
| 86) Perylene-d12 | 15.68 | 264 | 287092 | 20.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 724699 | 92.51 | ng | 0.00 |
| 7) Phenol-d6 | 6.61 | 99 | 926646 | 89.75 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.52 | 82 | 593514 | 66.53 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.80 | 330 | 215951 | 84.16 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 9.31 | 172 | 1094891 | 80.79 | ng | -0.01 |
| 78) Terphenyl-d14 | 13.07 | 244 | 1005086 | 65.33 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.85 | 88 | 90048 | 27.337 | ng | # 81 |
| 3) Pyridine | 3.66 | 79 | 203934 | 25.542 | ng | 87 |
| 4) n-Nitrosodimethylamine | 3.64 | 42 | 33529 | 8.412 | ng | # 96 |
| 6) Aniline | 6.64 | 93 | 264679 | 24.648 | ng | # 54 |
| 8) 2-Chlorophenol | 6.75 | 128 | 312941 | 31.803 | ng | 92 |
| 9) Benzaldehyde | 6.52 | 77 | 70778 | 11.363 | ng | 89 |
| 10) Phenol | 6.62 | 94 | 410177 | 33.316 | ng | 88 |
| 11) bis(2-Chloroethyl)ether | 6.69 | 93 | 339922 | 31.049 | ng | 97 |
| 12) 1,3-Dichlorobenzene | 6.90 | 146 | 316445 | 30.662 | ng | 97 |
| 13) 1,4-Dichlorobenzene | 6.97 | 146 | 369698 | 32.180 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 7.12 | 146 | 322393 | 30.231 | ng | 98 |
| 15) Benzyl Alcohol | 7.11 | 79 | 188027 | 29.301 | ng | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.22 | 45 | 498690 | 31.683 | ng | 65 |
| 17) 2-Methylphenol | 7.22 | 107 | 232251 | 31.973 | ng | # 72 |
| 18) Hexachloroethane | 7.45 | 117 | 118780 | 28.764 | ng | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.36 | 70 | 209733 | 32.024 | ng | 100 |
| 20) 3+4-Methylphenols | 7.38 | 107 | 271815 | 30.479 | ng | # 65 |
| 22) Acetophenone | 7.37 | 105 | 446078 | 36.077 | ng | # 95 |
| 24) Nitrobenzene | 7.54 | 77 | 276641 | 29.574 | ng | 97 |
| 25) Isophorone | 7.77 | 82 | 571977 | 39.060 | ng | 99 |
| 26) 2-Nitrophenol | 7.86 | 139 | 105836 | 22.545 | ng | 98 |
| 27) 2,4-Dimethylphenol | 7.90 | 122 | 252692 | 40.204 | ng | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.98 | 93 | 356632 | 36.956 | ng | 99 |
| 29) 2,4-Dichlorophenol | 8.11 | 162 | 238300 | 33.519 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.18 | 180 | 271229 | 33.442 | ng | 98 |
| 31) Naphthalene | 8.26 | 128 | 887925 | 37.168 | ng | 100 |
| 32) Benzoic acid | 7.90 | 122 | 252692 | 59.047 | ng | # 14 |
| 33) 4-Chloroaniline | 8.32 | 127 | 220280 | 21.587 | ng | 97 |
| 34) Hexachlorobutadiene | 8.36 | 225 | 163820 | 32.686 | ng | 98 |
| 35) Caprolactam | 8.67 | 113 | 61350 | 28.665 | ng | # 74 |
| 36) 4-Chloro-3-methylphenol | 8.81 | 107 | 229934 | 29.780 | ng | 97 |
| 37) 2-Methylnaphthalene | 8.95 | 142 | 534028 | 35.587 | ng | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.11 | 216 | 258273 | 40.113 | ng | # 96 |
| 40) Hexachlorocyclopentadiene | 9.09 | 237 | 38839 | 20.129 | ng | 97 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.24 | 196 | 131731 | 37.008 ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.29 | 196 | 151387 | 35.328 ng | | 95 |
| 45) 1,1'-Biphenyl | 9.41 | 154 | 671821 | 39.091 ng | | 97 |
| 46) 2-Chloronaphthalene | 9.44 | 162 | 482802 | 37.253 ng | | 97 |
| 47) 2-Nitroaniline | 9.55 | 65 | 143281 | 33.989 ng | | 88 |
| 48) Acenaphthylene | 9.86 | 152 | 752665 | 37.461 ng | | 99 |
| 49) Dimethylphthalate | 9.71 | 163 | 683224 | 48.174 ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.78 | 165 | 108055 | 35.059 ng | | 89 |
| 51) Acenaphthene | 10.02 | 154 | 433090 | 37.107 ng | | 100 |
| 52) 3-Nitroaniline | 9.98 | 138 | 100445 | 25.863 ng | | 95 |
| 53) 2,4-Dinitrophenol | 10.15 | 184 | 6260 | 11.887 ng | # | 23 |
| 54) Dibenzofuran | 10.20 | 168 | 607629 | 33.683 ng | | 97 |
| 55) 4-Nitrophenol | 10.20 | 139 | 362690 | 184.636 ng | # | 19 |
| 56) 2,4-Dinitrotoluene | 10.20 | 165 | 124153 | 30.648 ng | # | 82 |
| 57) Fluorene | 10.55 | 166 | 478648 | 34.141 ng | | 95 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.32 | 232 | 126065 | 32.029 ng | # | 77 |
| 59) Diethylphthalate | 10.40 | 149 | 540437 | 35.442 ng | | 100 |
| 60) 4-Chlorophenyl-phenylether | 10.53 | 204 | 239941 | 31.417 ng | | 93 |
| 61) 4-Nitroaniline | 10.62 | 138 | 90038 | 26.123 ng | | 89 |
| 62) Azobenzene | 10.70 | 77 | 452154 | 31.838 ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 10.61 | 198 | 11221 | 6.170 ng | # | 44 |
| 65) n-Nitrosodiphenylamine | 10.65 | 169 | 411052 | 37.343 ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 11.02 | 248 | 140319 | 36.013 ng | | 89 |
| 67) Hexachlorobenzene | 11.09 | 284 | 143667 | 33.251 ng | # | 90 |
| 68) Atrazine | 11.18 | 200 | 116091 | 35.634 ng | | 95 |
| 69) Pentachlorophenol | 11.30 | 266 | 119669 | 56.262 ng | | 99 |
| 70) Phenanthrene | 11.51 | 178 | 576689 | 36.331 ng | | 100 |
| 71) Anthracene | 11.57 | 178 | 713866 | 38.990 ng | | 99 |
| 72) Carbazole | 11.74 | 167 | 644463 | 35.619 ng | | 97 |
| 73) Di-n-butylphthalate | 12.03 | 149 | 738099 | 37.393 ng | | 99 |
| 74) Fluoranthene | 12.71 | 202 | 745276 | 39.965 ng | | 97 |
| 76) Benzidine | 12.85 | 184 | 519724 | 48.182 ng | | 98 |
| 77) Pyrene | 12.94 | 202 | 751557 | 31.285 ng | | 97 |
| 79) Butylbenzylphthalate | 13.54 | 149 | 335341 | 31.877 ng | | 95 |
| 80) Benzo(a)anthracene | 14.13 | 228 | 678791 | 35.919 ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.10 | 252 | 257942 | 35.211 ng | # | 97 |
| 82) Chrysene | 14.17 | 228 | 764055 | 37.484 ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 14.09 | 149 | 463918 | 35.079 ng | | 98 |
| 84) Di-n-octyl phthalate | 14.71 | 149 | 860526 | 40.538 ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 17.25 | 276 | 498837 | 32.174 ng | # | 92 |
| 87) Benzo(b)fluoranthene | 15.21 | 252 | 530933 | 37.497 ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.25 | 252 | 681447 | 39.199 ng | | 98 |
| 89) Benzo(a)pyrene | 15.61 | 252 | 542637 | 37.123 ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 17.26 | 278 | 427556 | 33.532 ng | | 96 |
| 91) Benzo(g,h,i)perylene | 17.73 | 276 | 400381 | 32.453 ng | # | 91 |

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

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