Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101619.D
Acq On : 21 Dec 2017 20:47
Operator : SJ/JU
Sample : I6957-04MSD 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
HALSTED-WWMSD

**Manual Integrations APPROVED**
Sohil
12/22/2017 12:42:14 PM

Quant Time: Dec 22 12:44:10 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 20 14:25:04 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 113197 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.07 | 136 | 401385 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.83 | 164 | 148731 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.32 | 188 | 256835 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.97 | 240 | 292935 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.43 | 264 | 236862 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.43 | 112 | 63975 | 8.42 | ng | | 0.02 |
| 7) Phenol-d6 | 6.45 | 99 | 78782 | 8.33 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 46684 | 6.47 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.63 | 330 | 9237 | 6.45 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.15 | 172 | 81876 | 8.54 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.90 | 244 | 75669 | 6.23 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.52 | 88 | 11136 | 2.852 | ng | | 96 |
| 8) 2-Chlorophenol | 6.59 | 128 | 20703 | 2.590 | ng | | 91 |
| 10) Phenol | 6.47 | 94 | 33000 | 3.061 | ng | | 72 |
| 11) bis(2-Chloroethyl)ether | 6.53 | 93 | 23104 | 2.732 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 6.74 | 146 | 24606 | 2.727 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.82 | 146 | 25936 | 2.815 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 6.97 | 146 | 23708 | 2.859 | ng | | 99 |
| 15) Benzyl Alcohol | 6.97 | 79 | 17056 | 2.620 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45 | 40973 | 3.166 | ng | | 69 |
| 17) 2-Methylphenol | 7.07 | 107 | 17764 | 2.416 | ng | # | 77 |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70 | 16005 | 2.577 | ng | | 92 |
| 20) 3+4-Methylphenols | 7.25 | 107 | 20801 | 2.669 | ng | | 92 |
| 22) Acetophenone | 7.22 | 105 | 34189 | 3.733 | ng | # | 92 |
| 24) Nitrobenzene | 7.39 | 77 | 21635 | 2.711 | ng | # | 93 |
| 25) Isophorone | 7.62 | 82 | 39630 | 2.740 | ng | # | 93 |
| 27) 2,4-Dimethylphenol | 7.75 | 122 | 15867 | 2.724 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 7.83 | 93 | 26419 | 2.875 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.99 | 162 | 13561 | 2.357 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.02 | 180 | 17392 | 2.864 | ng | # | 94 |
| 31) Naphthalene | 8.10 | 128 | 60007 | 2.970 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.20 | 225 | 10085 | 2.871 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 8.66 | 107 | 14792 | 2.339 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.79 | 142 | 37147 | 2.822 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216 | 15901 | 3.167 | ng | | 95 |
| 42) 2,4,6-Trichlorophenol | 9.09 | 196 | 7227 | 2.391 | ng | # | 85 |
| 43) 2,4,5-Trichlorophenol | 9.16 | 196 | 7618 | 2.301 | ng | # | 90 |
| 45) 1,1'-Biphenyl | 9.26 | 154 | 43911 | 3.329 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.29 | 162 | 30562 | 3.028 | ng | | 96 |
| 47) 2-Nitroaniline | 9.40 | 65 | 10205 | 2.927 | ng | | 86 |
| 48) Acenaphthylene | 9.70 | 152 | 45694 | 2.866 | ng | | 97 |
| 49) Dimethylphthalate | 9.55 | 163 | 48347 | 4.041 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.63 | 165 | 4949 | 2.035 | ng | | 87 |
| 51) Acenaphthene | 9.86 | 154 | 26020 | 2.717 | ng | | 97 |
| 52) 3-Nitroaniline | 9.82 | 138 | 7000 | 2.309 | ng | # | 92 |

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|---|---|---|---|---|---|---|---|
| 54) Dibenzofuran | 10.04 | 168 | 39029 | 3.207 | ng | | 99 |
| 57) Fluorene | 10.38 | 166 | 29608 | 2.876 | ng | | 99 |
| 59) Diethylphthalate | 10.25 | 149 | 33893 | 2.861 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.37 | 204 | 15551 | 3.151 | ng | | 91 |
| 61) 4-Nitroaniline | 10.43 | 138 | 7056 | 2.316 | ng | | 96 |
| 62) Azobenzene | 10.53 | 77 | 43161 | 3.517 | ng | | 89 |
| 65) n-Nitrosodiphenylamine | 10.49 | 169 | 27204 | 2.869 | ng | | 95 |
| 66) 4-Bromophenyl-phenylether | 10.86 | 248 | 7923 | 2.745 | ng | # | 89 |
| 67) Hexachlorobenzene | 10.93 | 284 | 8011 | 2.623 | ng | | 96 |
| 68) Atrazine | 11.02 | 200 | 8043 | 2.844 | ng | | 95 |
| 70) Phenanthrene | 11.35 | 178 | 43381 | 3.037 | ng | | 99 |
| 71) Anthracene | 11.40 | 178 | 41788 | 2.864 | ng | | 97 |
| 72) Carbazole | 11.57 | 167 | 39560 | 2.896 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.87 | 149 | 54970 | 3.316 | ng | | 98 |
| 74) Fluoranthene | 12.54 | 202 | 49365 | 3.293 | ng | | 99 |
| 77) Pyrene | 12.77 | 202 | 50979 | 2.319 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.37 | 149 | 25120 | 2.525 | ng | | 93 |
| 80) Benzo(a)anthracene | 13.96 | 228 | 39297 | 2.032 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 13.92 | 252 | 15421 | 2.445 | ng | | 99 |
| 82) Chrysene | 14.00 | 228 | 37954 | 2.078 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 13.92 | 149 | 38775 | 3.077 | ng | # | 100 |
| 84) Di-n-octyl phthalate | 14.53 | 149 | 65224 | 2.903 | ng | # | 95 |

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

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