Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
Data File : BF111409.D
Acq On : 14 Dec 2018 10:39
Operator : JU/SJ
Sample : SSTDICC025
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC025

**Manual Integrations APPROVED**
Sohil
12/17/2018 2:36:06 PM

Quant Time: Dec 14 11:59:56 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 14 11:42:38 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.79 | 152 | 219127 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.07 | 136 | 936444 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.83 | 164 | 559302 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.32 | 188 | 999617 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.95 | 240 | 778770 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.39 | 264 | 656246 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 704692 | 54.38 | ng | | 0.00 |
| 7) Phenol-d6 | 6.43 | 99 | 905866 | 51.85 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.36 | 82 | 847214 | 50.99 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.62 | 330 | 269492 | 54.66 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.15 | 172 | 1905535 | 54.70 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.90 | 244 | 1707003 | 48.24 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.51 | 88 | 165042 | 25.498 | ng | | 98 |
| 3) Pyridine | 3.24 | 79 | 416949 | 26.222 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.17 | 42 | 191916 | 25.873 | ng | | 96 |
| 6) Aniline | 6.45 | 93 | 568228 | 26.884 | ng | # | 61 |
| 8) 2-Chlorophenol | 6.58 | 128 | 409097 | 25.685 | ng | | 97 |
| 9) Benzaldehyde | 6.34 | 77 | 279379 | 25.695 | ng | | 94 |
| 10) Phenol | 6.45 | 94 | 506085 | 25.571 | ng | | 78 |
| 11) bis(2-Chloroethyl)ether | 6.53 | 93 | 387555 | 24.891 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.73 | 146 | 447955 | 25.980 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.81 | 146 | 453247 | 25.967 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.96 | 146 | 428219 | 26.519 | ng | | 99 |
| 15) Benzyl Alcohol | 6.93 | 79 | 346663 | 25.912 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45 | 774845 | 25.688 | ng | | 98 |
| 17) 2-Methylphenol | 7.06 | 107 | 319516 | 24.827 | ng | | 95 |
| 18) Hexachloroethane | 7.31 | 117 | 166344 | 25.670 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70 | 292590 | 25.202 | ng | | 93 |
| 20) 3+4-Methylphenols | 7.21 | 107 | 417970 | 27.233 | ng | # | 68 |
| 22) Acetophenone | 7.20 | 105 | 564327 | 25.943 | ng | # | 91 |
| 24) Nitrobenzene | 7.37 | 77 | 421199 | 24.612 | ng | | 92 |
| 25) Isophorone | 7.61 | 82 | 690981 | 24.484 | ng | | 96 |
| 26) 2-Nitrophenol | 7.69 | 139 | 222565 | 26.458 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.73 | 122 | 317065 | 24.830 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.83 | 93 | 481605 | 24.862 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.94 | 162 | 340312 | 25.549 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.02 | 180 | 357561 | 26.125 | ng | | 99 |
| 31) Naphthalene | 8.10 | 128 | 1153509 | 26.439 | ng | | 96 |
| 32) Benzoic acid | 7.84 | 122 | 272234m | 25.646 | ng | | |
| 33) 4-Chloroaniline | 8.15 | 127 | 508133 | 27.271 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.22 | 225 | 198039 | 26.083 | ng | | 97 |
| 35) Caprolactam | 8.51 | 113 | 124997 | 26.781 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.63 | 107 | 373035 | 26.280 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.79 | 142 | 932689 | 33.070 | ng | | 97 |
| 38) 1-Methylnaphthalene | 8.89 | 142 | 894135 | 32.848 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216 | 406911 | 25.883 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.95 | 237 | 207246 | 25.245 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.07 | 196 | 286274 | 25.441 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.11 | 196 | 297694 | 25.032 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.25 | 154 | 1248119 | 26.155 | ng | | 96 |
| 47) 2-Chloronaphthalene | 9.27 | 162 | 951879 | 26.046 | ng | | 97 |
| 48) 2-Nitroaniline | 9.37 | 65 | 301886 | 25.420 | ng | | 95 |
| 49) Acenaphthylene | 9.69 | 152 | 1421721 | 26.627 | ng | | 95 |
| 50) Dimethylphthalate | 9.55 | 163 | 1045437 | 25.993 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.61 | 165 | 241642 | 27.104 | ng | | 92 |
| 52) Acenaphthene | 9.86 | 154 | 885824 | 26.303 | ng | | 98 |
| 53) 3-Nitroaniline | 9.78 | 138 | 290891 | 27.146 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 9.89 | 184 | 87113 | 24.906 | ng | # | 84 |
| 55) Dibenzofuran | 10.03 | 168 | 1306162 | 26.866 | ng | | 96 |
| 56) 4-Nitrophenol | 9.95 | 139 | 209190 | 27.108 | ng | | 91 |
| 57) 2,4-Dinitrotoluene | 10.02 | 165 | 320910 | 28.086 | ng | | 90 |
| 58) Fluorene | 10.38 | 166 | 930344 | 26.750 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.16 | 232 | 240998 | 26.233 | ng | | 97 |
| 60) Diethylphthalate | 10.25 | 149 | 1088914 | 26.893 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 10.37 | 204 | 460322 | 26.698 | ng | | 98 |
| 62) 4-Nitroaniline | 10.39 | 138 | 286202 | 27.786 | ng | | 95 |
| 63) Azobenzene | 10.53 | 77 | 1066168 | 26.115 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylphenol | 10.42 | 198 | 144232 | 25.133 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 10.49 | 169 | 899408 | 25.294 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.86 | 248 | 281235 | 25.272 | ng | | 93 |
| 68) Hexachlorobenzene | 10.93 | 284 | 293632 | 25.625 | ng | | 94 |
| 69) Atrazine | 11.02 | 200 | 276649 | 26.900 | ng | | 98 |
| 70) Pentachlorophenol | 11.12 | 266 | 175099 | 22.962 | ng | | 95 |
| 71) Phenanthrene | 11.34 | 178 | 1351341 | 26.154 | ng | | 95 |
| 72) Anthracene | 11.39 | 178 | 1387739 | 26.378 | ng | | 95 |
| 73) Carbazole | 11.54 | 167 | 1444202 | 26.549 | ng | | 95 |
| 74) Di-n-butylphthalate | 11.88 | 149 | 1641233 | 26.498 | ng | # | 96 |
| 75) Fluoranthene | 12.53 | 202 | 1385557 | 27.470 | ng | | 97 |
| 77) Benzidine | 12.64 | 184 | 717869 | 48.846 | ng | | 98 |
| 78) Pyrene | 12.75 | 202 | 1433595 | 23.852 | ng | | 96 |
| 80) Butylbenzylphthalate | 13.37 | 149 | 695130 | 24.088 | ng | | 92 |
| 81) Benzo(a)anthracene | 13.94 | 228 | 1087042 | 24.947 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.90 | 252 | 468484 | 28.429 | ng | | 97 |
| 83) Chrysene | 13.98 | 228 | 1162986 | 26.161 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.94 | 149 | 875153 | 24.807 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.54 | 149 | 1519534 | 26.232 | ng | | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 16.80 | 276 | 737144 | 21.201 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 14.97 | 252 | 982122 | 26.319 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.00 | 252 | 990005 | 26.579 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.33 | 252 | 895830 | 25.783 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.82 | 278 | 630601 | 21.814 | ng | | 96 |
| 92) Benzo(g,h,i)perylene | 17.22 | 276 | 583462 | 20.188 | ng | | 95 |

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

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