Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010320\
Data File : BF118463.D
Acq On : 3 Jan 2020 18:01
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040

Quant Time: Jan 04 00:04:47 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 77575 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.14 | 136 | 311677 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.90 | 164 | 160846 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.39 | 188 | 311256 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.05 | 240 | 231415 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.53 | 264 | 179109 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 336186 | 73.98 | ng | | 0.00 |
| 7) Phenol-d6 | 6.49 | 99 | 437963 | 77.69 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 437870 | 80.35 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.69 | 330 | 154212 | 77.64 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.22 | 172 | 880380 | 83.55 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.98 | 244 | 1044051 | 74.85 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.58 | 88 | 71788 | 39.736 | ng | | 97 |
| 3) Pyridine | 3.34 | 79 | 129321 | 26.867 | ng | # | 92 |
| 4) n-Nitrosodimethylamine | 3.30 | 42 | 71684 | 36.021 | ng | # | 74 |
| 6) Aniline | 6.52 | 93 | 273986 | 38.273 | ng | | 96 |
| 8) 2-Chlorophenol | 6.64 | 128 | 203768 | 39.589 | ng | | 99 |
| 9) Benzaldehyde | 6.40 | 77 | 113634 | 34.380 | ng | | 98 |
| 10) Phenol | 6.50 | 94 | 245863 | 38.801 | ng | | 83 |
| 11) bis(2-Chloroethyl)ether | 6.59 | 93 | 173882 | 38.371 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.79 | 146 | 230919 | 38.955 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.87 | 146 | 237450 | 39.437 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.02 | 146 | 223074 | 39.242 | ng | | 99 |
| 15) Benzyl Alcohol | 7.00 | 79 | 171946 | 40.058 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45 | 197167 | 40.774 | ng | | 69 |
| 17) 2-Methylphenol | 7.11 | 107 | 162813 | 39.439 | ng | | 94 |
| 18) Hexachloroethane | 7.36 | 117 | 89051 | 40.299 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70 | 143442 | 41.302 | ng | | 92 |
| 20) 3+4-Methylphenols | 7.27 | 107 | 211682 | 40.064 | ng | | 96 |
| 22) Acetophenone | 7.26 | 105 | 298124 | 39.027 | ng | # | 94 |
| 24) Nitrobenzene | 7.44 | 77 | 213240 | 39.064 | ng | | 99 |
| 25) Isophorone | 7.67 | 82 | 368909 | 38.844 | ng | | 97 |
| 26) 2-Nitrophenol | 7.76 | 139 | 112909 | 39.050 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.79 | 122 | 150179 | 38.069 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.88 | 93 | 240317 | 38.692 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.00 | 162 | 174130 | 38.350 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.08 | 180 | 202018 | 38.194 | ng | | 96 |
| 31) Naphthalene | 8.16 | 128 | 651412 | 41.121 | ng | | 99 |
| 32) Benzoic acid | 7.94 | 122 | 103718 | 33.129 | ng | | 97 |
| 33) 4-Chloroaniline | 8.21 | 127 | 278199 | 40.965 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.27 | 225 | 132958 | 42.229 | ng | | 100 |
| 35) Caprolactam | 8.59 | 113 | 56040 | 39.532 | ng | | 93 |
| 36) 4-Chloro-3-methylphenol | 8.70 | 107 | 197428 | 40.498 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.85 | 142 | 424718 | 39.159 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.95 | 142 | 399533 | 39.099 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 199041 | 41.186 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.00 | 237 | 53220 | 32.236 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.14 | 196 | 120315 | 37.265 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.19 | 196 | 122460 | 36.871 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.32 | 154 | 520417 | 40.907 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.35 | 162 | 410930 | 40.133 | ng | | 98 |
| 48) 2-Nitroaniline | 9.45 | 65 | 124307 | 42.982 | ng | | 95 |
| 49) Acenaphthylene | 9.76 | 152 | 631004 | 41.553 | ng | | 100 |
| 50) Dimethylphthalate | 9.62 | 163 | 491060 | 40.672 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.69 | 165 | 106393 | 40.873 | ng | | 93 |
| 52) Acenaphthene | 9.93 | 154 | 377564 | 40.819 | ng | | 99 |
| 53) 3-Nitroaniline | 9.86 | 138 | 122833 | 40.205 | ng | | 89 |
| 54) 2,4-Dinitrophenol | 9.98 | 184 | 42583 | 35.527 | ng | | 98 |
| 55) Dibenzofuran | 10.10 | 168 | 571686 | 41.829 | ng | | 95 |
| 56) 4-Nitrophenol | 10.04 | 139 | 83540 | 44.293 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 10.10 | 165 | 145545 | 41.845 | ng | # | 77 |
| 58) Fluorene | 10.45 | 166 | 453656 | 41.118 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.23 | 232 | 108229 | 38.352 | ng | | 97 |
| 60) Diethylphthalate | 10.32 | 149 | 484299 | 40.546 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 10.44 | 204 | 227541 | 41.313 | ng | | 96 |
| 62) 4-Nitroaniline | 10.48 | 138 | 114399 | 36.044 | ng | | 89 |
| 63) Azobenzene | 10.60 | 77 | 437741 | 42.785 | ng | | 94 |
| 65) 4,6-Dinitro-2-methylphenol | 10.52 | 198 | 65807 | 39.192 | ng | | 92 |
| 66) n-Nitrosodiphenylamine | 10.56 | 169 | 405057 | 40.604 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.93 | 248 | 140323 | 38.523 | ng | | 94 |
| 68) Hexachlorobenzene | 11.00 | 284 | 162049 | 37.794 | ng | | 98 |
| 69) Atrazine | 11.09 | 200 | 115585 | 37.542 | ng | | 98 |
| 70) Pentachlorophenol | 11.20 | 266 | 63910 | 34.418 | ng | | 95 |
| 71) Phenanthrene | 11.42 | 178 | 675416 | 39.805 | ng | | 99 |
| 72) Anthracene | 11.47 | 178 | 682238 | 40.169 | ng | | 98 |
| 73) Carbazole | 11.63 | 167 | 588393 | 39.043 | ng | | 98 |
| 74) Di-n-butylphthalate | 11.95 | 149 | 803919 | 42.070 | ng | | 100 |
| 75) Fluoranthene | 12.61 | 202 | 702132 | 41.002 | ng | | 98 |
| 77) Benzidine | 12.73 | 184 | 252458 | 39.814 | ng | | 98 |
| 78) Pyrene | 12.85 | 202 | 692139 | 36.626 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.45 | 149 | 321424 | 37.776 | ng | | 99 |
| 81) Benzo(a)anthracene | 14.04 | 228 | 629591 | 38.868 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.99 | 252 | 207378 | 37.759 | ng | | 98 |
| 83) Chrysene | 14.07 | 228 | 620677 | 40.017 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 14.01 | 149 | 446259 | 39.886 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.62 | 149 | 673625 | 40.930 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 17.05 | 276 | 442950 | 33.517 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.10 | 252 | 491075 | 41.304 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.13 | 252 | 444845 | 38.968 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.47 | 252 | 423167 | 40.404 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.06 | 278 | 368608 | 40.557 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.50 | 276 | 332540 | 37.876 | ng | | 99 |

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

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