Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_N\DATA\BN032218\
Data File : BN000544.D
Acq On : 22 Mar 2018 17:20
Operator : JU/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** SSTD02027

Quant Time: Mar 23 02:25:31 2018
Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 23 02:22:02 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.41 | 152 | 207235 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.25 | 136 | 910206 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 15.04 | 164 | 504947 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.76 | 188 | 1073130 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.89 | 240 | 1051944 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 24.37 | 264 | 1073065 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.59 | 96 | 41125 | 7.09 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.56 | 99 | 398641 | 20.62 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.72 | 67 | 223739 | 20.06 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.94 | 132 | 293911 | 20.10 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 9.13 | 113 | 321276 | 21.33 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.60 | 128 | 140663 | 19.03 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.33 | 143 | 146770 | 19.17 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.87 | 165 | 280852 | 20.46 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.38 | 131 | 364881 | 25.90 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.42 | 166 | 807389 | 20.24 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.74 | 160 | 1031705 | 19.60 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.23 | 143 | 147112 | 19.86 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 16.02 | 176 | 679593 | 19.99 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.14 | 200 | 100172 | 16.30 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.86 | 188 | 1010646 | 19.59 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 20.11 | 212 | 1068971 | 18.41 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 24.21 | 264 | 999847 | 19.74 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.63 | 88 | 44071 | 7.054 | ng/uL# | 85 |
| 4) Benzaldehyde | 7.54 | 77 | 167510 | 21.251 | ng/ul | 91 |
| 6) Phenol | 7.59 | 94 | 410978 | 20.835 | ng/ul | 93 |
| 8) Bis(2-Chloroethyl)ether | 7.81 | 93 | 314894 | 20.118 | ng/ul | 94 |
| 10) 2-Chlorophenol | 7.97 | 128 | 299436 | 20.061 | ng/ul | 98 |
| 11) 2-Methylphenol | 8.86 | 108 | 303571 | 20.985 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.94 | 45 | 336472 | 19.946 | ng/ul# | 93 |
| 14) Acetophenone | 9.25 | 105 | 476683 | 21.293 | ng/ul | 95 |
| 15) N-Nitroso-di-n-propylamine | 9.23 | 70 | 238985 | 20.411 | ng/ul | 93 |
| 16) 4-Methylphenol | 9.20 | 108 | 329272 | 21.260 | ng/ul | 95 |
| 17) Hexachloroethane | 9.51 | 117 | 121497 | 19.510 | ng/ul# | 72 |
| 20) Nitrobenzene | 9.64 | 77 | 354549 | 19.429 | ng/ul | 94 |
| 21) Isophorone | 10.16 | 82 | 690848 | 19.859 | ng/ul | 98 |
| 23) 2-Nitrophenol | 10.36 | 139 | 162601 | 19.742 | ng/ul | 93 |
| 24) 2,4-Dimethylphenol | 10.41 | 107 | 354641 | 19.988 | ng/ul | 96 |
| 25) Bis(2-Chloroethoxy)methane | 10.64 | 93 | 431757 | 19.652 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 10.90 | 162 | 273654 | 20.539 | ng/ul# | 94 |
| 28) Naphthalene | 11.31 | 128 | 939176 | 19.649 | ng/ul | 99 |
| 30) 4-Chloroaniline | 11.41 | 127 | 365900 | 25.583 | ng/ul | 98 |
| 31) Hexachlorobutadiene | 11.57 | 225 | 148981 | 20.179 | ng/ul | 98 |
| 32) Caprolactam | 12.17 | 113 | 106351 | 21.836 | ng/ul | 84 |
| 33) 4-Chloro-3-methylphenol | 12.51 | 107 | 338684 | 21.623 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 12.89 | 142 | 648605 | 20.325 | ng/ul | 99 |

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Quant Title : SVOA CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.25 | 216 | 291820 | 19.237 | ng/ul# | 94 |
| 37) Hexachlorocyclopentadiene | 13.22 | 237 | 167239 | 21.142 | ng/ul | 98 |
| 38) 2,4,6-Trichlorophenol | 13.48 | 196 | 205111 | 19.933 | ng/ul | 98 |
| 39) 2,4,5-Trichlorophenol | 13.56 | 196 | 214710 | 20.011 | ng/ul | 97 |
| 40) 1,1'-Biphenyl | 13.87 | 154 | 821338 | 19.107 | ng/ul# | 95 |
| 41) 2-Chloronaphthalene | 13.92 | 162 | 635521 | 19.180 | ng/ul | 96 |
| 42) 2-Nitroaniline | 14.12 | 65 | 198468 | 19.769 | ng/ul | 97 |
| 44) Dimethylphthalate | 14.47 | 163 | 797463 | 20.209 | ng/ul# | 98 |
| 45) 2,6-Dinitrotoluene | 14.61 | 165 | 161377 | 20.295 | ng/ul | 92 |
| 47) Acenaphthylene | 14.77 | 152 | 1008593 | 19.563 | ng/ul | 99 |
| 48) 3-Nitroaniline | 14.94 | 138 | 177038 | 23.060 | ng/ul# | 93 |
| 49) Acenaphthene | 15.10 | 153 | 686912 | 19.541 | ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 15.15 | 184 | 92758 | 24.726 | ng/ul# | 84 |
| 52) 4-Nitrophenol | 15.24 | 109 | 120408 | 21.035 | ng/ul | 88 |
| 53) Dibenzofuran | 15.43 | 168 | 944754 | 19.788 | ng/ul | 100 |
| 54) 2,4-Dinitrotoluene | 15.39 | 165 | 240730 | 21.354 | ng/ul | 97 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.65 | 232 | 167429 | 20.435 | ng/ul# | 91 |
| 56) Diethylphthalate | 15.82 | 149 | 832284 | 20.664 | ng/ul | 95 |
| 58) Fluorene | 16.07 | 166 | 759747 | 20.025 | ng/ul | 100 |
| 59) 4-Chlorophenyl-phenylether | 16.05 | 204 | 354518 | 20.222 | ng/ul# | 84 |
| 60) 4-Nitroaniline | 16.09 | 138 | 196183 | 22.746 | ng/ul | 91 |
| 63) 4,6-Dinitro-2-methylphenol | 16.15 | 198 | 107004 | 16.492 | ng/ul# | 89 |
| 64) N-Nitrosodiphenylamine | 16.27 | 169 | 660307 | 18.678 | ng/ul | 100 |
| 65) 4-Bromophenyl-phenylether | 16.94 | 248 | 211233 | 19.311 | ng/ul# | 89 |
| 66) Hexachlorobenzene | 17.07 | 284 | 229823 | 19.899 | ng/ul# | 87 |
| 67) Atrazine | 17.20 | 200 | 234086 | 21.954 | ng/ul | 95 |
| 68) Pentachlorophenol | 17.41 | 266 | 95050 | 15.588 | ng/ul | 97 |
| 69) Phenanthrene | 17.80 | 178 | 1195473 | 19.337 | ng/ul | 100 |
| 71) Anthracene | 17.90 | 178 | 1233488 | 19.458 | ng/ul | 98 |
| 72) Carbazole | 18.16 | 167 | 1142246 | 21.012 | ng/ul | 98 |
| 73) Di-n-butylphthalate | 18.68 | 149 | 1477484 | 19.986 | ng/ul | 99 |
| 74) Fluoranthene | 19.78 | 202 | 1352509 | 22.016 | ng/ul# | 81 |
| 77) Pyrene | 20.14 | 202 | 1366895 | 17.790 | ng/ul# | 75 |
| 78) Butylbenzylphthalate | 20.99 | 149 | 711775 | 18.650 | ng/ul# | 86 |
| 79) 3,3'-Dichlorobenzidine | 21.78 | 252 | 385315 | 18.749 | ng/ul# | 95 |
| 80) Benzo(a)anthracene | 21.87 | 228 | 1320574 | 18.841 | ng/ul | 100 |
| 81) Bis(2-ethylhexyl)phthalate | 21.74 | 149 | 1029470 | 18.580 | ng/ul# | 96 |
| 82) Chrysene | 21.92 | 228 | 1229834 | 18.717 | ng/ul | 99 |
| 84) Di-n-octyl phthalate | 22.70 | 149 | 1783884 | 19.751 | ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 23.61 | 252 | 1324144 | 19.529 | ng/ul# | 94 |
| 86) Benzo(k)fluoranthene | 23.66 | 252 | 1227825 | 18.757 | ng/ul# | 95 |
| 88) Benzo(a)pyrene | 24.26 | 252 | 1226732 | 19.224 | ng/ul# | 94 |
| 89) Indeno(1,2,3-cd)pyrene | 26.94 | 276 | 1272243 | 18.489 | ng/ul# | 79 |
| 90) Dibenzo(a,h)anthracene | 26.94 | 278 | 1074405 | 18.743 | ng/ul# | 92 |
| 91) Benzo(g,h,i)perylene | 27.72 | 276 | 1019475 | 17.829 | ng/ul# | 87 |

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

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