Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022718\
Data File : BM014381.D
Acq On : 27 Feb 2018 14:12
Operator : SJ/JU
Sample : J1631-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y7

Quant Time: Feb 27 16:40:13 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 27 03:22:24 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.52 | 152 | 109492 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.29 | 136 | 436508 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.17 | 164 | 244404 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 16.94 | 188 | 500495 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.16 | 240 | 506467 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.33 | 264 | 484825 | 20.00 | ng/ul | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.10 | 96 | 9348 | 3.65 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.72 | 99 | 197426 | 21.33 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.87 | 67 | 124887 | 22.29 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.06 | 132 | 167742 | 23.64 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.25 | 113 | 149858 | 18.51 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.67 | 128 | 82565 | 25.60 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.39 | 143 | 96481 | 28.90 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.93 | 165 | 164914 | 23.85 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.46 | 131 | 94587 | 13.88 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.60 | 166 | 524618 | 25.99 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.86 | 160 | 668351 | 26.85 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.45 | 143 | 51886 | 18.62 | ng/ul | 0.02 |
| 57) Fluorene-d10 | 15.18 | 176 | 457653 | 25.31 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.34 | 200 | 43684 | 14.55 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.04 | 188 | 677262 | 28.05 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.35 | 212 | 721007 | 27.60 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.20 | 264 | 640667 | 27.15 | ng/ul | 0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 6.75 | 94 | 21236 | 2.187 | ng/ul | 93 |
| 14) Acetophenone | 8.35 | 105 | 36788 | 2.633 | ng/ul# | 96 |
| 28) Naphthalene | 10.33 | 128 | 146800 | 6.548 | ng/ul | 97 |
| 34) 2-Methylnaphthalene | 11.96 | 142 | 45572 | 2.671 | ng/ul | 95 |
| 44) Dimethylphthalate | 13.65 | 163 | 215968 | 10.851 | ng/ul# | 97 |
| 47) Acenaphthylene | 13.90 | 152 | 146639 | 6.234 | ng/ul | 97 |
| 49) Acenaphthene | 14.24 | 153 | 112904 | 6.816 | ng/ul | 95 |
| 53) Dibenzofuran | 14.58 | 168 | 124177 | 5.000 | ng/ul | 95 |
| 58) Fluorene | 15.23 | 166 | 149084 | 6.953 | ng/ul | 97 |
| 69) Phenanthrene | 16.99 | 178 | 2782062 | 96.477 | ng/ul | 99 |
| 71) Anthracene | 17.07 | 178 | 524034 | 18.070 | ng/ul | 98 |
| 72) Carbazole | 17.36 | 167 | 251321 | 10.306 | ng/ul | 96 |
| 74) Fluoranthene | 19.02 | 202 | 4600221 | 133.526 | ng/ul# | 92 |
| 77) Pyrene | 19.38 | 202 | 4166921 | 123.800 | ng/ul# | 91 |
| 80) Benzo(a)anthracene | 21.14 | 228 | 2678194 | 84.730 | ng/ul | 99 |
| 82) Chrysene | 21.19 | 228 | 2419603 | 82.057 | ng/ul | 97 |
| 85) Benzo(b)fluoranthene | 22.69 | 252 | 3095068 | 95.341 | ng/ul# | 98 |
| 86) Benzo(k)fluoranthene | 22.73 | 252 | 1092736 | 35.404 | ng/ul# | 96 |
| 88) Benzo(a)pyrene | 23.24 | 252 | 2224663 | 76.689 | ng/ul# | 98 |
| 89) Indeno(1,2,3-cd)pyrene | 25.51 | 276 | 1315270 | 46.724 | ng/ul# | 96 |
| 90) Dibenzo(a,h)anthracene | 25.50 | 278 | 360810 | 15.426 | ng/ul# | 89 |
| 91) Benzo(g,h,i)perylene | 26.17 | 276 | 922897 | 40.471 | ng/ul# | 95 |

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

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