Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082817\
Data File : BG028537.D
Acq On : 29 Aug 2017 3:07
Operator : SJ/JU
Sample : I4905-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B0B23

Manual Integrations APPROVED
Sohil
8/29/2017 6:02:31 PM

Quant Time: Aug 29 15:29:35 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 29 03:57:40 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.34 | 152 | 52085 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.16 | 136 | 211762 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.95 | 164 | 136114 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.71 | 188 | 311697m | 20.00 | ng/ul | 0.01 |
| 75) Chrysene-d12 | 22.05 | 240 | 389354 | 20.00 | ng/ul | 0.02 |
| 83) Perylene-d12 | 25.58 | 264 | 376391m | 20.00 | ng/ul | 0.05 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.82 | 96 | 5595 | 5.00 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.50 | 99 | 146680 | 25.64 | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.66 | 67 | 94350 | 26.04 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.88 | 132 | 114142 | 31.63 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 9.05 | 113 | 125224 | 26.19 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5 | 9.52 | 128 | 57758 | 34.88 | ng/ul | 0.02 |
| 22) 2-Nitrophenol-d4 | 10.24 | 143 | 66956 | 36.88 | ng/ul | 0.01 |
| 26) 2,4-Dichlorophenol-d3 | 10.79 | 165 | 132213 | 35.20 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4 | 11.30 | 131 | 99233 | 23.73 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.34 | 166 | 392930 | 32.46 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.65 | 160 | 472442 | 34.61 | ng/ul | 0.01 |
| 51) 4-Nitrophenol-d4 | 15.16 | 143 | 50584 | 26.28 | ng/ul | 0.02 |
| 57) Fluorene-d10 | 15.95 | 176 | 338787 | 31.19 | ng/ul | 0.01 |
| 62) 4,6-Dinitro-2-methylphenol | 16.08 | 200 | 17608 | 8.70 | ng/ul | 0.02 |
| 70) Anthracene-d10 | 17.81 | 188 | 545774 | 36.52 | ng/ul | 0.01 |
| 76) Pyrene-d10 | 20.09 | 212 | 642410 | 32.17 | ng/ul | 0.02 |
| 87) Benzo(a)pyrene-d12 | 25.34 | 264 | 626485m | 35.55 | ng/ul | 0.06 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 7.53 | 94 | 12347 | 2.172 | ng/ul | 96 |
| 28) Naphthalene | 11.22 | 128 | 37020 | 3.530 | ng/ul | 95 |
| 34) 2-Methylnaphthalene | 12.80 | 142 | 62067 | 7.368 | ng/ul | 95 |
| 44) Dimethylphthalate | 14.39 | 163 | 95623 | 8.578 | ng/ul | 99 |
| 47) Acenaphthylene | 14.69 | 152 | 40834 | 3.130 | ng/ul | 98 |
| 58) Fluorene | 16.00 | 166 | 18939 | 1.667 | ng/ul# | 80 |
| 69) Phenanthrene | 17.75 | 178 | 255218 | 16.270 | ng/ul | 97 |
| 71) Anthracene | 17.84 | 178 | 33708m | 2.103 | ng/ul | |
| 74) Fluoranthene | 19.75 | 202 | 407216 | 21.361 | ng/ul | 97 |
| 77) Pyrene | 20.12 | 202 | 775945 | 33.404 | ng/ul | 99 |
| 80) Benzo(a)anthracene | 22.03 | 228 | 332242 | 14.769 | ng/ul# | 91 |
| 82) Chrysene | 22.10 | 228 | 440911 | 21.762 | ng/ul# | 91 |
| 85) Benzo(b)fluoranthene | 24.45 | 252 | 325724m | 14.461 | ng/ul | |
| 86) Benzo(k)fluoranthene | 24.49 | 252 | 144974m | 6.589 | ng/ul | |
| 88) Benzo(a)pyrene | 25.41 | 252 | 360893m | 16.549 | ng/ul | |
| 89) Indeno(1,2,3-cd)pyrene | 29.63 | 276 | 177102m | 6.935 | ng/ul | |
| 90) Dibenzo(a,h)anthracene | 29.69 | 278 | 46978m | 2.195 | ng/ul | |
| 91) Benzo(g,h,i)perylene | 30.92 | 276 | 157869m | 7.514 | ng/ul | |

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

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