Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005873.D
Acq On : 23 May 2019 04:42
Operator : JU/SJ
Sample : K2927-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A42B3

Manual Integrations APPROVED
mohammad
5/23/2019 3:31:29 PM

Quant Time: May 23 07:16:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.56 | 152 | 81656 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.32 | 136 | 355640 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.20 | 164 | 242755 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 16.96 | 188 | 626234 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.19 | 240 | 683944 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 23.40 | 264 | 687699 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.18 | 96 | 7004 | 4.80 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.76 | 99 | 135974 | 21.55 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.90 | 67 | 86514 | 26.28 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.10 | 132 | 125124 | 24.66 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.28 | 113 | 115076 | 21.32 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.71 | 128 | 69338 | 26.85 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.43 | 143 | 68248 | 22.89 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.97 | 165 | 140136m | 24.63 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.49 | 131 | 96748 | 15.31 | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6 | 13.62 | 166 | 513604 | 27.50 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.89 | 160 | 648691 | 28.58 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.50 | 143 | 18795m | 7.14 | ng/ul | 0.04 |
| 57) Fluorene-d10 | 15.20 | 176 | 483188 | 30.12 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.38 | 200 | 13046 | 3.47 | ng/ul | 0.01 |
| 70) Anthracene-d10 | 17.06 | 188 | 790918 | 29.24 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.37 | 212 | 928541 | 27.55 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.26 | 264 | 846582 | 27.44 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 44) Dimethylphthalate | 13.66 | 163 | 245594 | 13.336 | ng/ul | 99 |
| 47) Acenaphthylene | 13.92 | 152 | 37849 | 1.732 | ng/ul | 97 |
| 69) Phenanthrene | 17.00 | 178 | 338228 | 10.896 | ng/ul | 99 |
| 71) Anthracene | 17.09 | 178 | 82455 | 2.609 | ng/ul | 97 |
| 76) Fluoranthene | 19.04 | 202 | 1019662 | 26.568 | ng/ul# | 89 |
| 79) Pyrene | 19.40 | 202 | 1013495 | 24.131 | ng/ul# | 87 |
| 82) Benzo(a)anthracene | 21.18 | 228 | 639190 | 14.835 | ng/ul | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 21.12 | 149 | 97036 | 3.975 | ng/ul# | 97 |
| 84) Chrysene | 21.23 | 228 | 654518 | 16.114 | ng/ul | 98 |
| 87) Benzo(b)fluoranthene | 22.74 | 252 | 774553m | 20.473 | ng/ul | |
| 88) Benzo(k)fluoranthene | 22.79 | 252 | 246721m | 6.740 | ng/ul | |
| 90) Benzo(a)pyrene | 23.30 | 252 | 518115m | 14.143 | ng/ul | |
| 91) Indeno(1,2,3-cd)pyrene | 25.59 | 276 | 313979 | 7.010 | ng/ul# | 89 |
| 92) Dibenzo(a,h)anthracene | 25.58 | 278 | 93010 | 2.467 | ng/ul# | 92 |
| 93) Benzo(g,h,i)perylene | 26.26 | 276 | 212849 | 5.685 | ng/ul# | 90 |

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

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