Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM103119\
Data File : BM023526.D
Acq On : 31 Oct 2019 19:03
Operator : JU
Sample : K5395-10DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0003DL

Manual Integrations APPROVED
mohammad
11/1/2019 4:15:22 PM

Quant Time: Nov 01 07:42:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 01 07:12:43 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.61 | 152 | 473482 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.39 | 136 | 1967782 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.26 | 164 | 1209201 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.01 | 188 | 2608641 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.21 | 240 | 2603376 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.40 | 264 | 3135579 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.16 | 96 | 3545 | 0.36 | ng/uL | 0.01 |
| 5) Phenol-d5 | 6.79 | 99 | 70199 | 1.77 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.96 | 67 | 45755 | 1.96 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.15 | 132 | 58284 | 1.87 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.32 | 113 | 48999 | 1.52 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.76 | 128 | 28570 | 1.93 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.48 | 143 | 27335 | 1.66 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.02 | 165 | 51634 | 1.60 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.53 | 131 | 32671 | 0.88 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.68 | 166 | 187345 | 2.04 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.95 | 160 | 206444 | 1.96 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.49 | 143 | 8926 | 0.56 | ng/ul | 0.02 |
| 58) Fluorene-d10 | 15.26 | 176 | 163286 | 2.10 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 8453 | 0.52 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.10 | 188 | 269879 | 2.19 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.41 | 212 | 296827 | 2.07 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.26 | 264 | 346459 | 2.17 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 48) Acenaphthylene | 13.98 | 152 | 242431 | 2.223 | ng/ul | 99 |
| 70) Phenanthrene | 17.05 | 178 | 3211660 | 22.031 | ng/ul | 100 |
| 72) Anthracene | 17.14 | 178 | 649378 | 4.396 | ng/ul | 99 |
| 75) Carbazole | 17.41 | 167 | 230936 | 1.855 | ng/ul | 99 |
| 77) Fluoranthene | 19.07 | 202 | 8342760 | 54.864 | ng/ul | 98 |
| 80) Pyrene | 19.44 | 202 | 7213796 | 39.240 | ng/ul | 100 |
| 83) Benzo(a)anthracene | 21.19 | 228 | 3658180 | 21.010 | ng/ul | 99 |
| 85) Chrysene | 21.24 | 228 | 3136323 | 19.522 | ng/ul | 98 |
| 88) Benzo(b)fluoranthene | 22.75 | 252 | 4581826 | 22.752 | ng/ul | 99 |
| 89) Benzo(k)fluoranthene | 22.79 | 252 | 1634863m | 8.645 | ng/ul | |
| 91) Benzo(a)pyrene | 23.30 | 252 | 3314631 | 18.180 | ng/ul | 99 |
| 92) Indeno(1,2,3-cd)pyrene | 25.59 | 276 | 2525537 | 12.793 | ng/ul | 97 |
| 93) Dibenzo(a,h)anthracene | 25.59 | 278 | 565330 | 3.396 | ng/ul# | 85 |
| 94) Benzo(g,h,i)perylene | 26.26 | 276 | 2326778 | 14.487 | ng/ul | 99 |

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

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