Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050223\
Data File : BM039824.D
Acq On : 03 May 2023 04:57
Operator : CG/JU
Sample : 02419-28RE
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW925RE

**Manual Integrations APPROVED**
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023

Quant Time: May 03 05:28:29 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 02 18:41:11 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.787 | 152 | 3777 | 0.400 | ng/ul | -0.02 |
| 4) Naphthalene-d8 | 10.588 | 136 | 11858 | 0.400 | ng/ul | -0.01 |
| 9) Acenaphthene-d10 | 14.449 | 164 | 6837 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.198 | 188 | 33028 | 0.400 | ng/ul | # 0.00 |
| 17) Chrysene-d12 | 21.411 | 240 | 7022 | 0.400 | ng/ul | # 0.00 |
| 23) Perylene-d12 | 23.779 | 264 | 9748 | 0.400 | ng/ul | # 0.02 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.184 | 96 | 11883 | 2.135 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.188 | 152 | 3433 | 0.226 | ng/ul | -0.01 |
| 18) Fluoranthene-d10 | 19.242 | 212 | 5578 | 0.295 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 5) Naphthalene | 10.638 | 128 | 47433 | 1.593 | ng/ul | 98 |
| 7) 2-Methylnaphthalene | 12.260 | 142 | 36000 | 2.095 | ng/ul | 96 |
| 8) 1-Methylnaphthalene | 12.480 | 142 | 21048 | 1.142 | ng/ul | 100 |
| 10) Acenaphthylene | 14.167 | 152 | 74891 | 2.830 | ng/ul | 98 |
| 11) Acenaphthene | 14.509 | 153 | 16446 | 0.791 | ng/ul | 98 |
| 12) Fluorene | 15.499 | 166 | 22613 | 0.981 | ng/ul# | 95 |
| 14) Pentachlorophenol | 16.873 | 266 | 914 | 0.127 | ng/ul | 93 |
| 15) Phenanthrene | 17.245 | 178 | 392625 | 4.512 | ng/ul | 100 |
| 16) Anthracene | 17.338 | 178 | 120221 | 1.609 | ng/ul | 99 |
| 19) Fluoranthene | 19.274 | 202 | 1043010 | 41.634 | ng/ul | 99 |
| 20) Pyrene | 19.642 | 202 | 1001522 | 37.020 | ng/ul | 99 |
| 21) Benzo(a)anthracene | 21.394 | 228 | 717681 | 35.548 | ng/ul | 97 |
| 22) Chrysene | 21.446 | 228 | 751118 | 32.875 | ng/ul | 94 |
| 24) Benzo(b)fluoranthene | 23.063 | 252 | 1344135m | 39.263 | ng/ul | |
| 25) Benzo(k)fluoranthene | 23.101 | 252 | 436925m | 12.534 | ng/ul | |
| 26) Benzo(a)pyrene | 23.677 | 252 | 883386 | 28.741 | ng/ul# | 88 |
| 27) Indeno(1,2,3-cd)pyrene | 26.238 | 276 | 920512 | 23.685 | ng/ul# | 92 |
| 28) Dibenzo(a,h)anthracene | 26.228 | 278 | 237535 | 7.874 | ng/ul | 96 |
| 29) Benzo(g,h,i)perylene | 26.999 | 276 | 1068469 | 31.550 | ng/ul | 98 |

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

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