Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072624\
Data File : BM046848.D
Acq On : 27 Jul 2024 01:52
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 27 03:36:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 24 15:10:37 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.4187

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 07/27/2024
Supervised By :mohammad ahmed 08/05/2024

07/27/2024
Supervised By :mohammad ahmed

07/30/2024
Supervised By :mohammad ahmed

07/30/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.468 | 152 | 4109 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.222 | 136 | 11642 | 0.400 | ng/ul | -0.01 |
| 9) Acenaphthene-d10 | 14.113 | 164 | 7244 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 16.871 | 188 | 13349 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.079 | 240 | 7221 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.206 | 264 | 7989 | 0.400 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.096 | 96 | 1064 | 0.370 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 11.822 | 152 | 7493 | 0.405 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 18.909 | 212 | 10832 | 0.461 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.130 | 88 | 1204 | 0.366 | ng/ul | 96 |
| 5) Naphthalene | 10.271 | 128 | 12039 | 0.409 | ng/ul | 97 |
| 7) 2-Methylnaphthalene | 11.899 | 142 | 8363 | 0.413 | ng/ul | 99 |
| 8) 1-Methylnaphthalene | 12.124 | 142 | 8851 | 0.423 | ng/ul | 99 |
| 10) Acenaphthylene | 13.827 | 152 | 14126 | 0.426 | ng/ul | 99 |
| 11) Acenaphthene | 14.174 | 153 | 9517 | 0.423 | ng/ul | 99 |
| 12) Fluorene | 15.173 | 166 | 10771 | 0.383 | ng/ul | 97 |
| 14) Pentachlorophenol | 16.529 | 266 | 1650 | 0.273 | ng/ul | 99 |
| 15) Phenanthrene | 16.909 | 178 | 14949 | 0.390 | ng/ul | 98 |
| 16) Anthracene | 17.002 | 178 | 14255 | 0.399 | ng/ul | 100 |
| 19) Fluoranthene | 18.942 | 202 | 14569 | 0.459 | ng/ul | 99 |
| 20) Pyrene | 19.304 | 202 | 14630 | 0.446 | ng/ul | 99 |
| 21) Benzo(a)anthracene | 21.061 | 228 | 11723 | 0.390 | ng/ul | 99 |
| 22) Chrysene | 21.114 | 228 | 11242 | 0.368 | ng/ul | 99 |
| 24) Benzo(b)fluoranthene | 22.577 | 252 | 11759 | 0.335 | ng/ul | 95 |
| 25) Benzo(k)fluoranthene | 22.618 | 252 | 11533m | 0.326 | ng/ul | |
| 26) Benzo(a)pyrene | 23.112 | 252 | 10859 | 0.431 | ng/ul# | 96 |
| 27) Indeno(1,2,3-cd)pyrene | 25.309 | 276 | 14089 | 0.364 | ng/ul | 98 |
| 28) Dibenzo(a,h)anthracene | 25.329 | 278 | 10827 | 0.382 | ng/ul | 99 |
| 29) Benzo(g,h,i)perylene | 25.950 | 276 | 11744 | 0.344 | ng/ul# | 97 |

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

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