Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049538.D
Acq On : 30 Jan 2025 22:26
Operator : RC/JU
Sample : Q1189-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jan 31 08:18:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 28 14:45:18 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
A44Q3

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 01/31/2025
Supervised By :mohammad ahmed 02/04/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.510 | 152 | 241351 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.269 | 136 | 915579 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.151 | 164 | 605757 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 16.910 | 188 | 1285063 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.139 | 240 | 1327742 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.927 | 264 | 1409535 | 20.000 | ng/ul | 0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.110 | 96 | 20350 | 3.124 | ng/uL | -0.01 |
| 4) Pyridine-d5 | 3.522 | 84 | 9562 | 0.500 | ng/ul | 0.01 |
| 7) Phenol-d5 | 6.728 | 99 | 408649 | 20.865 | ng/ul | 0.02 |
| 9) Bis-(2-Chloroethyl)eth... | 6.857 | 67 | 249140 | 18.603 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.057 | 132 | 327487 | 21.608 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.239 | 113 | 268697 | 18.726 | ng/ul | 0.01 |
| 21) Nitrobenzene-d5 | 8.651 | 128 | 147480 | 21.055 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.369 | 143 | 171948 | 22.506 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 9.922 | 165 | 329667 | 21.145 | ng/ul | 0.02 |
| 31) 4-Chloroaniline-d4 | 10.422 | 131 | 195523 | 9.777 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.574 | 166 | 1007004 | 22.673 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.839 | 160 | 1102109 | 21.119 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.427 | 143 | 158559 | 21.762 | ng/ul | 0.05 |
| 60) Fluorene-d10 | 15.151 | 176 | 853733 | 21.858 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.292 | 200 | 108676 | 13.420 | ng/ul | 0.01 |
| 73) Anthracene-d10 | 17.004 | 188 | 1296829 | 20.209 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.315 | 212 | 1423870 | 18.344 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.733 | 264 | 945947 | 12.583 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 8) Phenol | 6.751 | 94 | 42432 | 2.064 | ng/ul# | 93 |
| 16) Acetophenone | 8.328 | 105 | 132975 | 5.573 | ng/ul | 95 |
| 50) Acenaphthylene | 13.869 | 152 | 67165 | 1.253 | ng/ul | 97 |
| 72) Phenanthrene | 16.951 | 178 | 363555 | 5.026 | ng/ul | 98 |
| 80) Fluoranthene | 18.980 | 202 | 989463 | 11.161 | ng/ul | 100 |
| 82) Pyrene | 19.339 | 202 | 717847 | 7.526 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.127 | 228 | 384730 | 4.125 | ng/ul | 93 |
| 87) Chrysene | 21.180 | 228 | 522330 | 6.030 | ng/ul | 98 |
| 90) Benzo(b)fluoranthene | 23.056 | 252 | 676047 | 7.399 | ng/ul | 97 |
| 91) Benzo(k)fluoranthene | 23.103 | 252 | 236561m | 2.562 | ng/ul | |
| 93) Benzo(a)pyrene | 23.791 | 252 | 250979 | 2.928 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 27.009 | 276 | 237470 | 2.235 | ng/ul | 98 |

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

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