Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071524\
Data File : BP021008.D
Acq On : 17 Jul 2024 04:08
Operator : MA/JU
Sample : P3178-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jul 17 04:39:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 15 12:22:22 2024
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
A4BS8

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.693 | 152 | 234701 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.458 | 136 | 941814 | 20.000 | ng/ul | 0.01 |
| 38) Acenaphthene-d10 | 14.310 | 164 | 617396 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.122 | 188 | 1322703 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.551 | 240 | 1273634 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.851 | 264 | 1493621 | 20.000 | ng/ul | 0.02 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.246 | 96 | 18816 | 3.648 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.676 | 84 | 31392 | 2.102 | ng/ul | 0.02 |
| 7) Phenol-d5 | 6.893 | 99 | 432312 | 22.593 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.046 | 67 | 269294 | 23.223 | ng/ul | 0.01 |
| 11) 2-Chlorophenol-d4 | 7.240 | 132 | 371815 | 23.585 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.405 | 113 | 274275 | 17.259 | ng/ul | 0.01 |
| 21) Nitrobenzene-d5 | 8.846 | 128 | 181636 | 24.830 | ng/ul | 0.02 |
| 24) 2-Nitrophenol-d4 | 9.552 | 143 | 206525 | 24.667 | ng/ul | 0.01 |
| 28) 2,4-Dichlorophenol-d3 | 10.099 | 165 | 351576 | 23.222 | ng/ul | 0.01 |
| 31) 4-Chloroaniline-d4 | 10.599 | 131 | 298411 | 14.878 | ng/ul | 0.01 |
| 46) Dimethylphthalate-d6 | 13.716 | 166 | 1166057 | 25.981 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.998 | 160 | 1284247 | 25.483 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.581 | 143 | 161974m | 25.365 | ng/ul | 0.01 |
| 60) Fluorene-d10 | 15.316 | 176 | 1005223 | 27.301 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.463 | 200 | 155805 | 19.468 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.216 | 188 | 1601817 | 27.266 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.598 | 212 | 1505741 | 19.123 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.610 | 264 | 1042748 | 14.155 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 72) Phenanthrene | 17.163 | 178 | 411363 | 5.995 | ng/ul | 100 |
| 80) Fluoranthene | 19.251 | 202 | 675645 | 7.105 | ng/ul | 99 |
| 82) Pyrene | 19.628 | 202 | 458023 | 4.733 | ng/ul | 98 |
| 85) Benzo(a)anthracene | 21.533 | 228 | 318048 | 3.565 | ng/ul | 98 |
| 86) Bis(2-ethylhexyl)phtha... | 21.451 | 149 | 128522 | 2.215 | ng/ul | 97 |
| 87) Chrysene | 21.598 | 228 | 334545 | 4.035 | ng/ul | 97 |
| 90) Benzo(b)fluoranthene | 23.804 | 252 | 418565 | 4.618 | ng/ul# | 96 |
| 91) Benzo(k)fluoranthene | 23.869 | 252 | 156390m | 1.729 | ng/ul | |
| 93) Benzo(a)pyrene | 24.686 | 252 | 123600 | 1.443 | ng/ul# | 89 |
| 94) Indeno(1,2,3-cd)pyrene | 28.580 | 276 | 120471 | 1.091 | ng/ul | 97 |

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

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