Quantitation Report (Qedit)

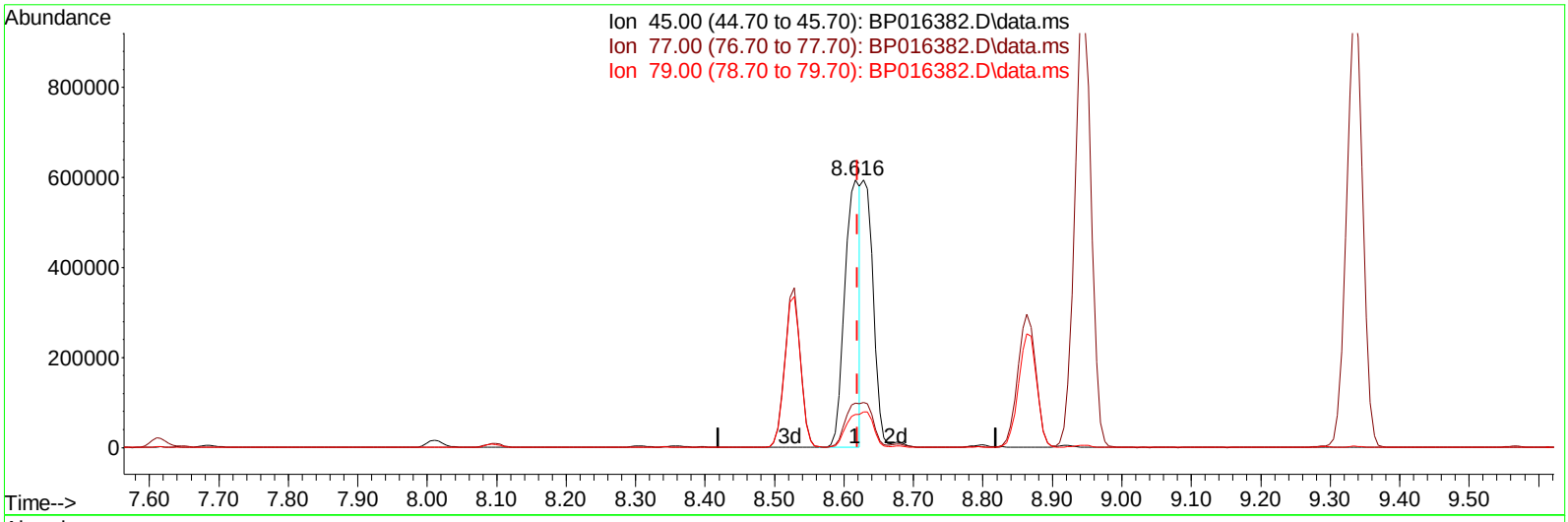
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072623\
Data File : BP016382.D
Acq On : 26 Jul 2023 19:14
Operator : MA/JU
Sample : 03575-05MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

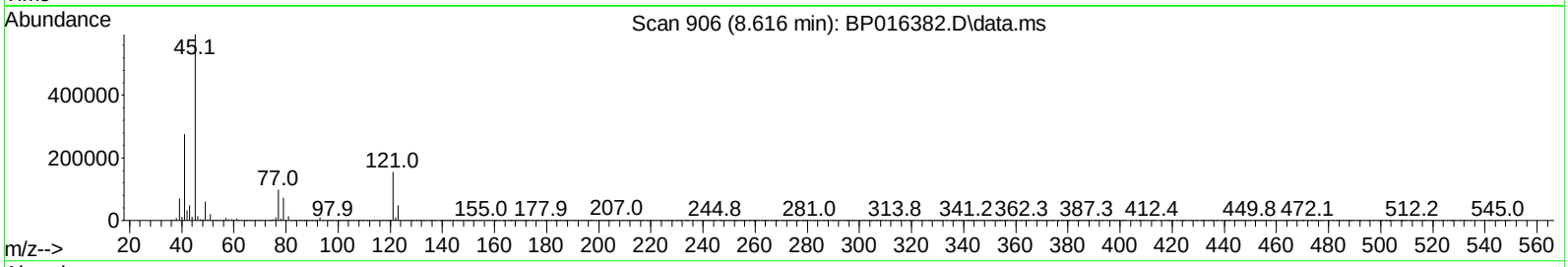
Quant Time: Jul 26 23:46:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP072523.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 25 23:56:16 2023
Response via : Initial Calibration

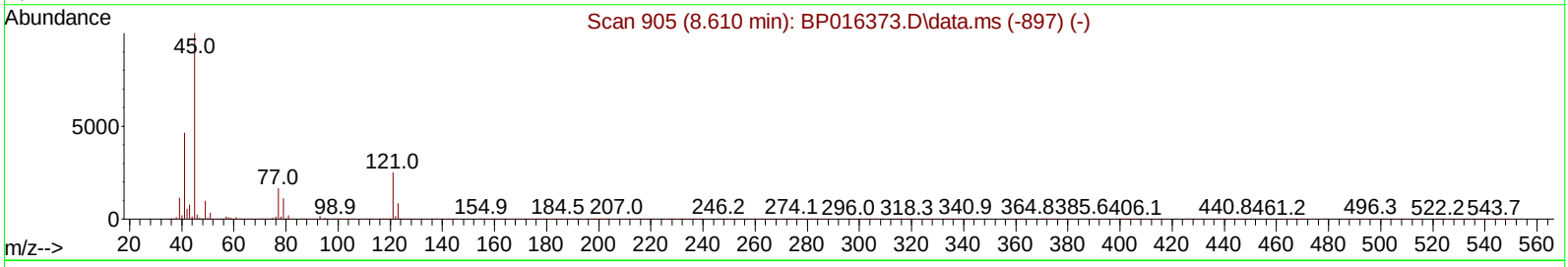
**Instrument :**
BNA_P
**ClientSampleId :**
DCHA2MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 07/27/2023
Supervised By :mohammad ahmed 07/27/2023




TIC: BP016382.D\data.ms

**(14) 2,2'-oxybis(1-Chloropropane)**

**8.616min (-0.003) 26.34 ng/ul**

**response 927972**

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 17.10 | 16.58 |
| 79.00 | 12.00 | 12.32 |
| 0.00 | 0.00 | 0.00 |

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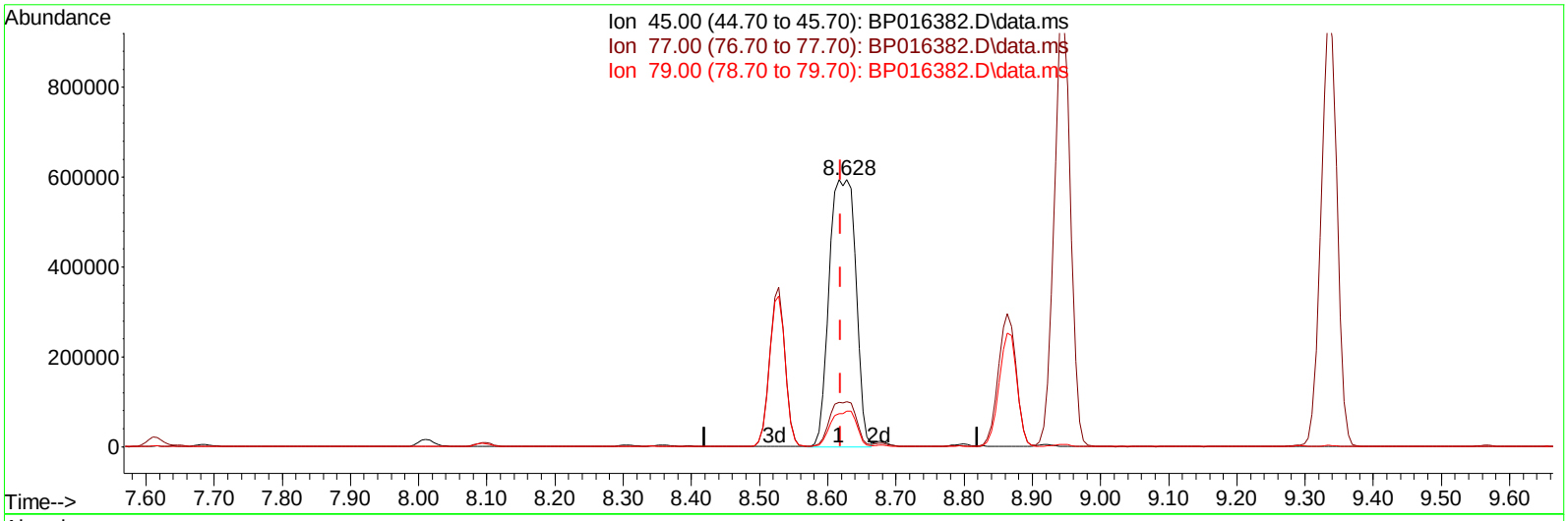


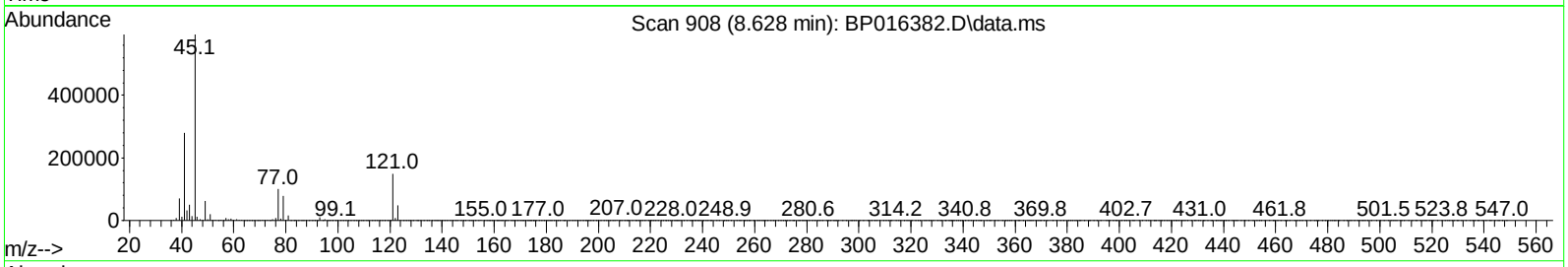


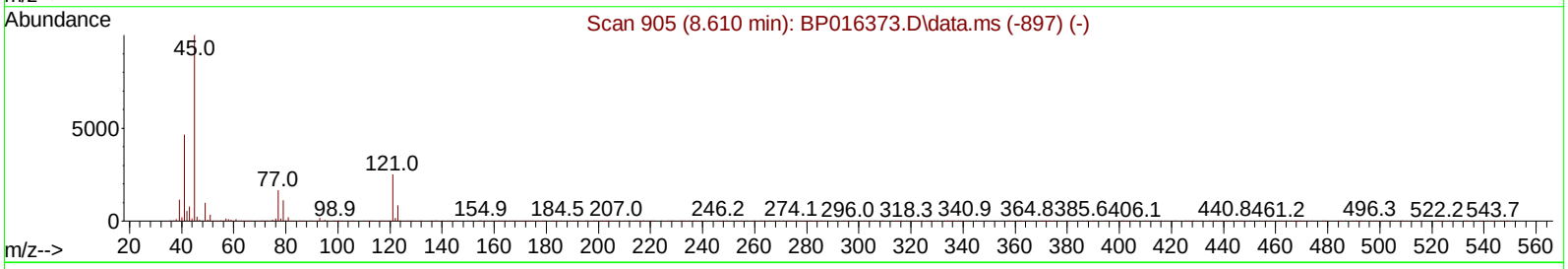


TIC: BP016382.D\data.ms

**(14) 2,2'-oxybis(1-Chloropropane)**

**8.628min (+ 0.009) 45.66 ng/ul m**

**response 1608442**

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 17.10 | 16.83 |
| 79.00 | 12.00 | 13.31 |
| 0.00 | 0.00 | 0.00 |

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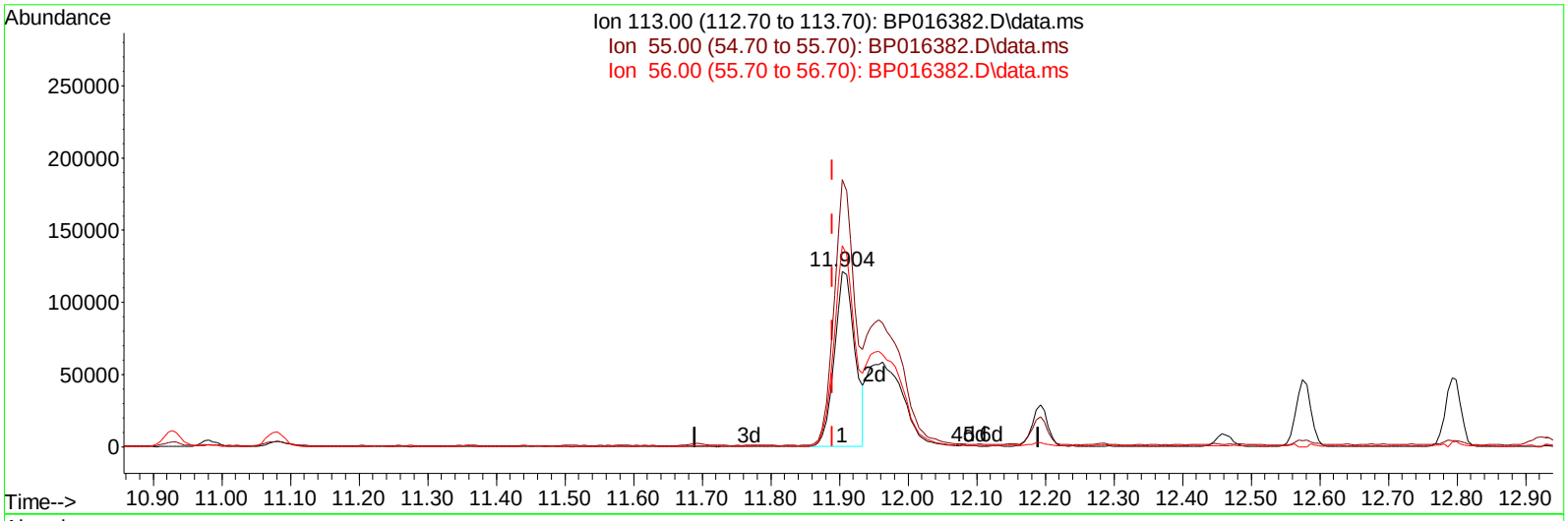


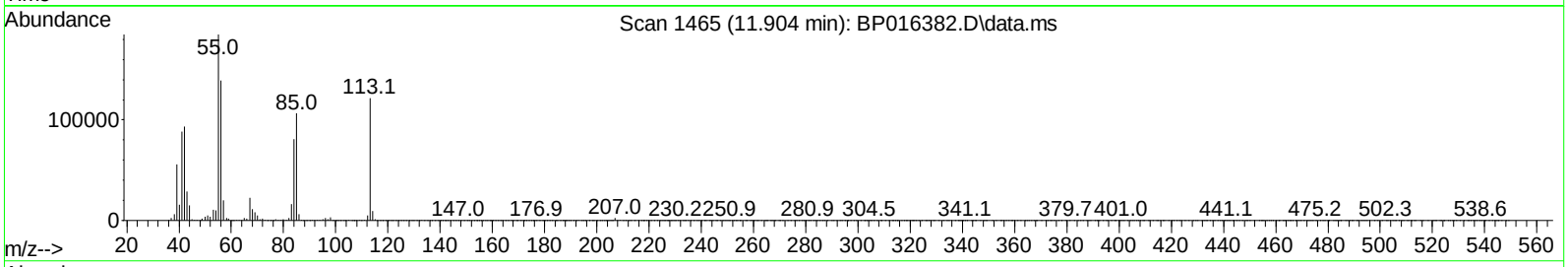


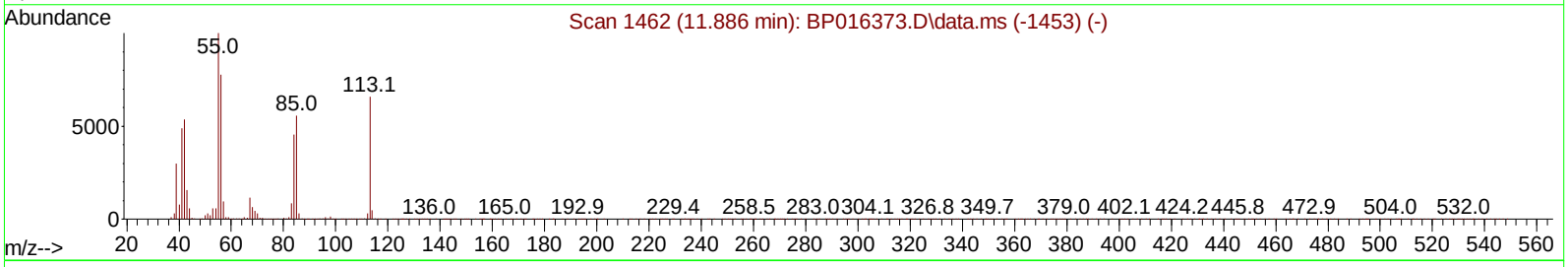


TIC: BP016382.D\data.ms

**(34) Caprolactam**

**11.904min (+ 0.015) 28.45 ng/ul**

**response 253848**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 152.80 | 152.07 |
| 56.00 | 117.30 | 114.70 |
| 0.00 | 0.00 | 0.00 |

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BNA_P
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DCHA2MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 07/27/2023
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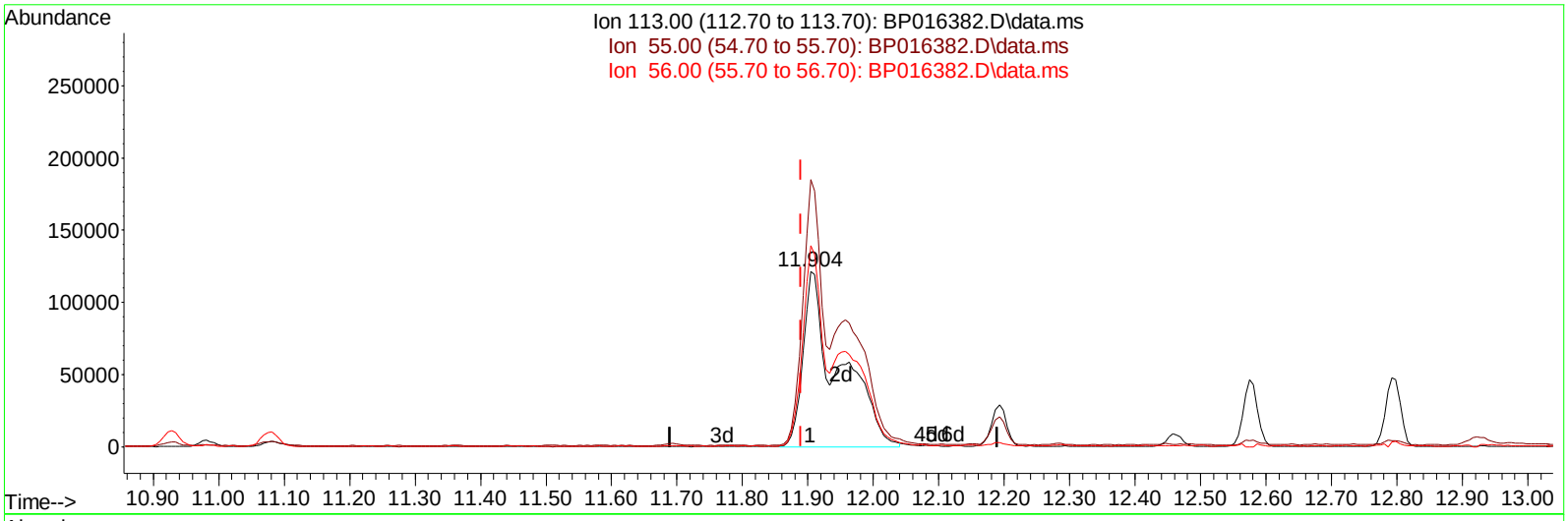


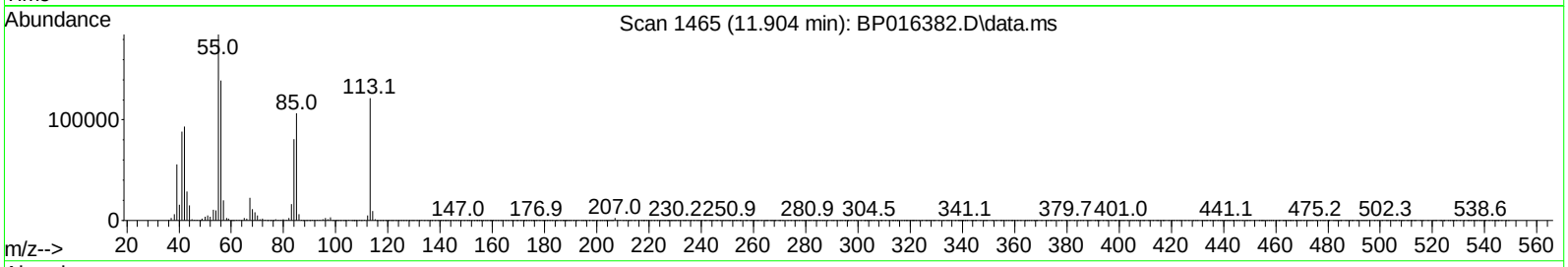


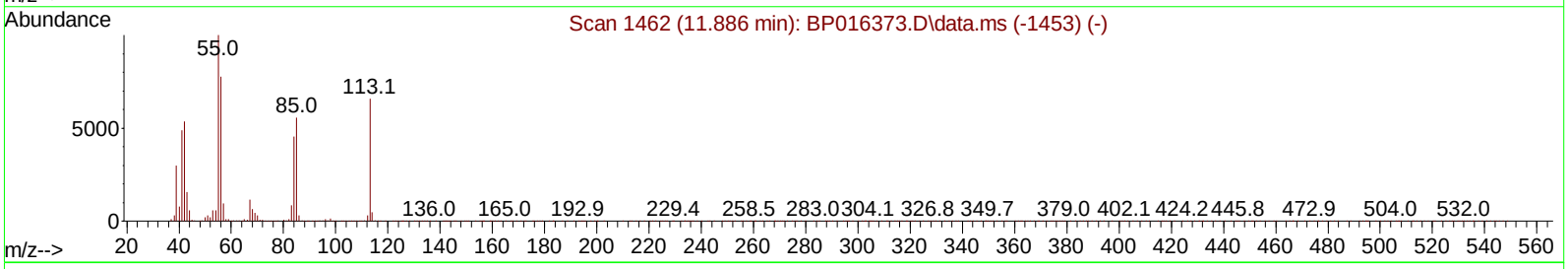


TIC: BP016382.D\data.ms

**(34) Caprolactam**

**11.904min (+ 0.015) 51.92 ng/ul m**

**response 463308**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 152.80 | 152.07 |
| 56.00 | 117.30 | 114.70 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

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Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 27 00:12:06 2023
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 25 23:56:16 2023
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
DCHA2MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 07/27/2023
Supervised By :mohammad ahmed 07/27/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.093 | 152 | 408342 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.928 | 136 | 1760401 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.740 | 164 | 1061769 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.498 | 188 | 2328227 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.592 | 240 | 2052184 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.192 | 264 | 2055134 | 20.000 | ng/ul | -0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.428 | 96 | 71977 | 6.950 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.852 | 84 | 1088539 | 37.046 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.228 | 99 | 1775527 | 51.960 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.434 | 67 | 982899 | 47.910 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.610 | 132 | 1326947 | 49.775 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.799 | 113 | 1391425 | 50.633 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.293 | 128 | 651233 | 60.076 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.010 | 143 | 659441 | 73.760 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.534 | 165 | 1339793 | 54.065 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.081 | 131 | 1793179 | 46.514 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.151 | 166 | 3769249 | 48.506 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.440 | 160 | 4454886 | 48.526 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.928 | 143 | 733276 | 56.317 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.734 | 176 | 3241221 | 49.029 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.851 | 200 | 457157 | 59.614 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.604 | 188 | 4936048 | 47.862 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.827 | 212 | 5650784 | 48.494 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.021 | 264 | 5175533 | 52.197 | ng/ul | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.464 | 88 | 206171 | 18.774 | ng/uL | 99 |
| 5) Pyridine | 3.875 | 79 | 1346355 | 45.037 | ng/ul | 98 |
| 6) Benzaldehyde | 7.246 | 77 | 976820 | 52.399 | ng/ul | 99 |
| 8) Phenol | 7.258 | 94 | 1813656 | 51.038 | ng/ul | 97 |
| 10) Bis(2-Chloroethyl)ether | 7.528 | 93 | 1397433 | 48.004 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.646 | 128 | 1380007 | 50.348 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.528 | 108 | 1373801 | 50.419 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.628 | 45 | 1608442m | 45.663 | ng/ul | |
| 16) Acetophenone | 8.946 | 105 | 2141529 | 49.380 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propyla... | 8.922 | 70 | 1075063 | 47.604 | ng/ul | 98 |
| 18) 4-Methylphenol | 8.863 | 108 | 1495222 | 51.360 | ng/ul | 98 |
| 19) Hexachloroethane | 9.175 | 117 | 546900 | 47.693 | ng/ul | 94 |
| 22) Nitrobenzene | 9.334 | 77 | 1583455 | 54.563 | ng/ul | 97 |
| 23) Isophorone | 9.852 | 82 | 3117324 | 47.689 | ng/ul | 100 |
| 25) 2-Nitrophenol | 10.040 | 139 | 733524 | 65.754 | ng/ul | 98 |
| 26) 2,4-Dimethylphenol | 10.075 | 107 | 1542514 | 48.904 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 10.340 | 93 | 1903100 | 48.289 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.563 | 162 | 1325844 | 52.924 | ng/ul | 98 |
| 30) Naphthalene | 10.981 | 128 | 4398636 | 48.243 | ng/ul | 100 |
| 32) 4-Chloroaniline | 11.104 | 127 | 1797797 | 47.568 | ng/ul | 98 |
| 33) Hexachlorobutadiene | 11.216 | 225 | 774642 | 47.049 | ng/ul | 98 |
| 34) Caprolactam | 11.904 | 113 | 463308m | 51.918 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.193 | 107 | 1470477 | 53.029 | ng/ul | 98 |

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DCHA2MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 07/27/2023
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.575 | 142 | 2970006 | 47.798 | ng/ul | 98 |
| 37) 1-Methylnaphthalene | 12.793 | 142 | 2949587 | 47.477 | ng/ul | 100 |
| 39) 1,2,4,5-Tetrachloroben... | 12.922 | 216 | 1522274 | 48.529 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.881 | 237 | 785958 | 35.098 | ng/ul | 98 |
| 41) 2,4,6-Trichlorophenol | 13.169 | 196 | 1032487 | 55.865 | ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 13.234 | 196 | 1154540 | 58.372 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 13.581 | 154 | 3887216 | 48.486 | ng/ul | 100 |
| 44) 2-Chloronaphthalene | 13.622 | 162 | 3057362 | 48.748 | ng/ul | 100 |
| 45) 2-Nitroaniline | 13.845 | 65 | 887315 | 67.616 | ng/ul | 94 |
| 47) Dimethylphthalate | 14.204 | 163 | 5175864 | 66.048 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 14.334 | 165 | 781191 | 69.176 | ng/ul | 93 |
| 50) Acenaphthylene | 14.469 | 152 | 4716713 | 45.097 | ng/ul | 100 |
| 51) 3-Nitroaniline | 14.669 | 138 | 863318 | 65.347 | ng/ul# | 95 |
| 52) Acenaphthene | 14.804 | 153 | 3262310 | 48.373 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.863 | 184 | 275655 | 57.073 | ng/ul | 92 |
| 55) 4-Nitrophenol | 14.945 | 109 | 578793 | 55.147 | ng/ul | 97 |
| 56) Dibenzofuran | 15.139 | 168 | 4473254 | 48.452 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 15.110 | 165 | 1097007 | 68.136 | ng/ul | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.345 | 232 | 937500 | 59.415 | ng/ul | 95 |
| 59) Diethylphthalate | 15.557 | 149 | 3844662 | 48.711 | ng/ul | 100 |
| 61) Fluorene | 15.792 | 166 | 3542854 | 47.244 | ng/ul | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.781 | 204 | 1714712 | 46.904 | ng/ul | 99 |
| 63) 4-Nitroaniline | 15.839 | 138 | 850111 | 70.173 | ng/ul | 94 |
| 66) 4,6-Dinitro-2-methylph... | 15.863 | 198 | 503509 | 54.921 | ng/ul | 98 |
| 67) N-Nitrosodiphenylamine | 15.998 | 169 | 3145074 | 48.178 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.681 | 248 | 1129884 | 51.172 | ng/ul | 99 |
| 69) Hexachlorobenzene | 16.763 | 284 | 1279870 | 48.338 | ng/ul | 98 |
| 70) Atrazine | 16.957 | 200 | 1123249 | 47.160 | ng/ul | 99 |
| 71) Pentachlorophenol | 17.122 | 266 | 1443054 | 96.716 | ng/ul | 99 |
| 72) Phenanthrene | 17.545 | 178 | 5804010 | 47.907 | ng/ul | 99 |
| 74) Anthracene | 17.639 | 178 | 5748669 | 46.582 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.528 | 216 | 1497268 | 44.552 | ng/uL | 99 |
| 76) Pentachlorobenzene | 15.028 | 250 | 1426640 | 48.038 | ng/uL | 99 |
| 77) Carbazole | 17.910 | 167 | 5498998 | 51.767 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.433 | 149 | 6762041 | 49.986 | ng/ul | 100 |
| 80) Fluoranthene | 19.498 | 202 | 6711744 | 48.051 | ng/ul | 98 |
| 82) Pyrene | 19.857 | 202 | 6861558 | 47.548 | ng/ul | 100 |
| 83) Butylbenzylphthalate | 20.722 | 149 | 3145008 | 57.566 | ng/ul | 97 |
| 84) 3,3'-Dichlorobenzidine | 21.510 | 252 | 1953356 | 43.307 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.574 | 228 | 6608063 | 47.540 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.469 | 149 | 4756108 | 57.071 | ng/ul | 99 |
| 87) Chrysene | 21.633 | 228 | 6205059 | 48.205 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.468 | 149 | 8056262 | 62.362 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.386 | 252 | 6406085 | 52.050 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.439 | 252 | 6388885 | 52.163 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 24.080 | 252 | 5451035 | 47.028 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 26.980 | 276 | 6376360 | 47.639 | ng/ul | 98 |
| 95) Dibenzo(a,h)anthracene | 27.009 | 278 | 5330226 | 48.150 | ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 27.845 | 276 | 5002395 | 47.208 | ng/ul | 99 |

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

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