Quantitation Report (Qedit)

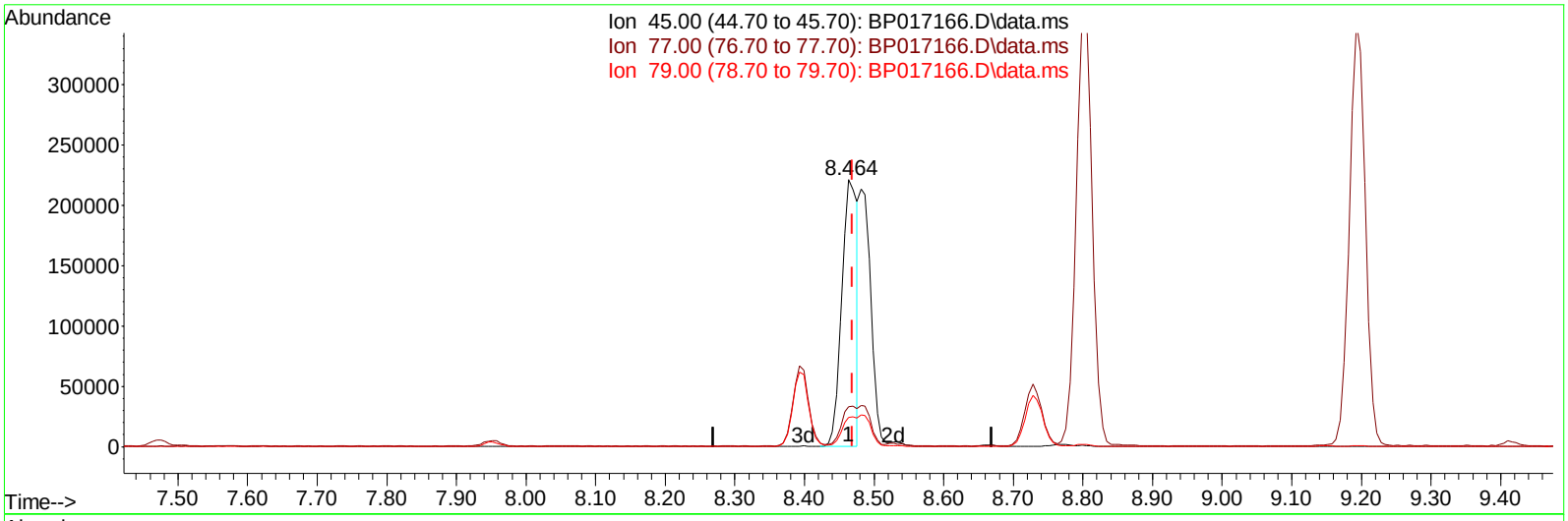
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091223\
Data File : BP017166.D
Acq On : 14 Sep 2023 00:55
Operator : MA/JU
Sample : 04268-04MSD
Misc :
ALS Vial : 54 Sample Multiplier: 1

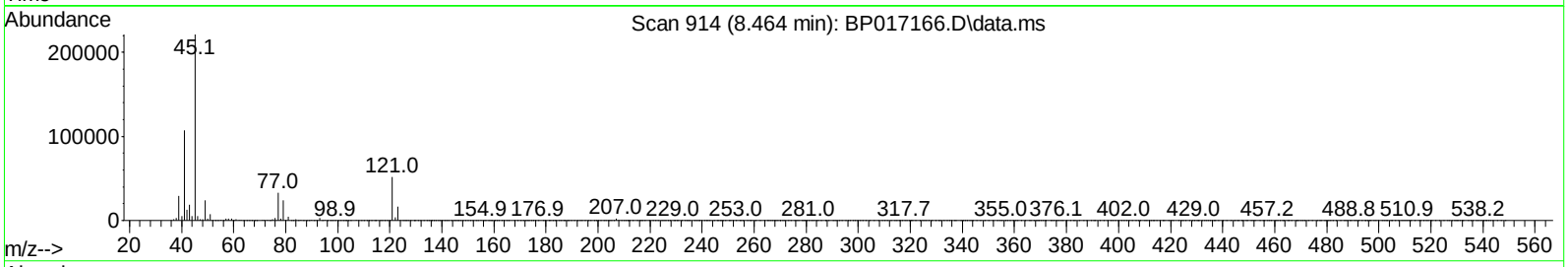
Quant Time: Sep 14 02:51:07 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP091223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:27:27 2023
Response via : Initial Calibration

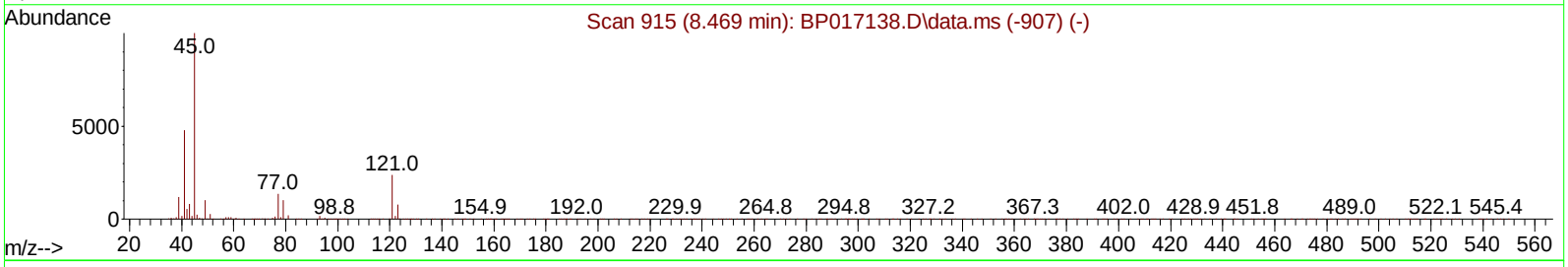
**Instrument :**
BNA_P
**ClientSampleId :**
H0GH2MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/15/2023




TIC: BP017166.D\data.ms

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

**8.464min (-0.006) 17.23 ng/ul**

**response 343517**

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 15.60 | 15.03 |
| 79.00 | 11.00 | 10.89 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

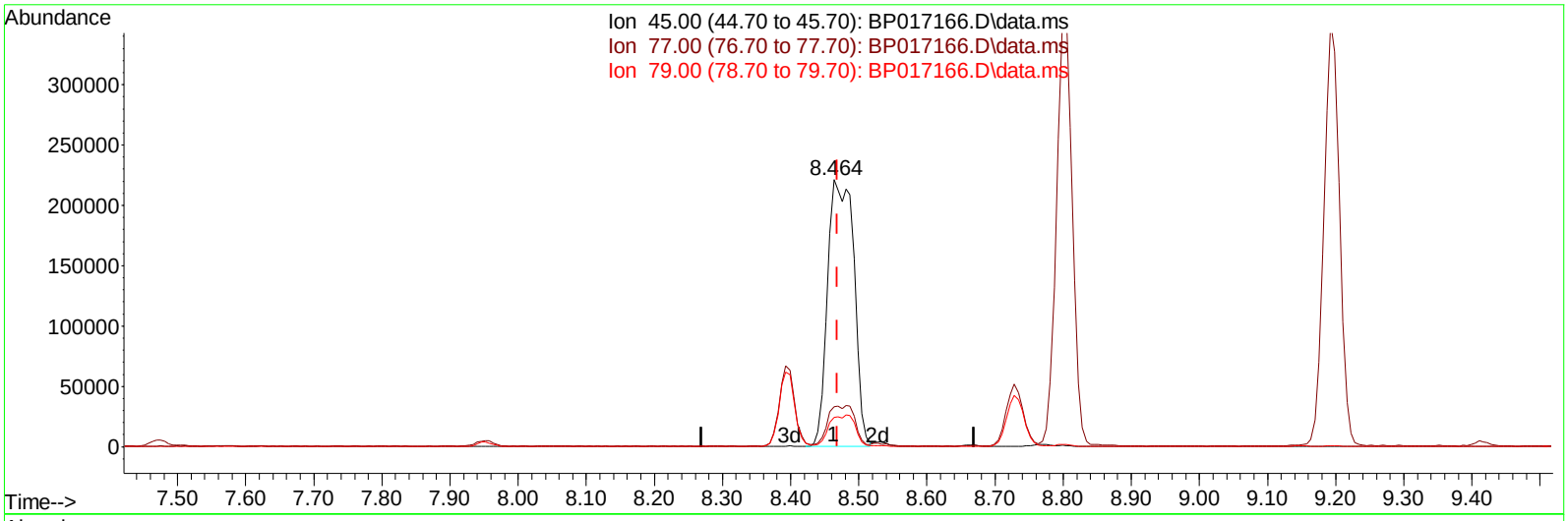
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091223\
Data File : BP017166.D
Acq On : 14 Sep 2023 00:55
Operator : MA/JU
Sample : 04268-04MSD
Misc :
ALS Vial : 54 Sample Multiplier: 1

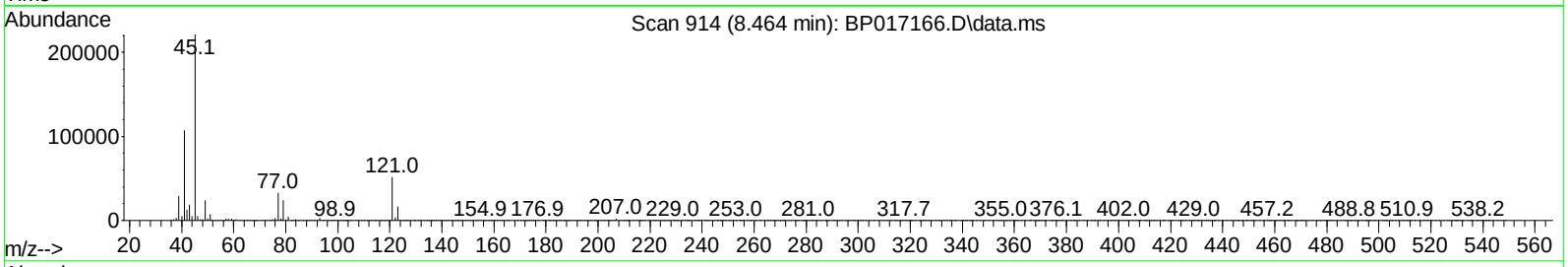
Quant Time: Sep 14 02:51:07 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP091223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:27:27 2023
Response via : Initial Calibration

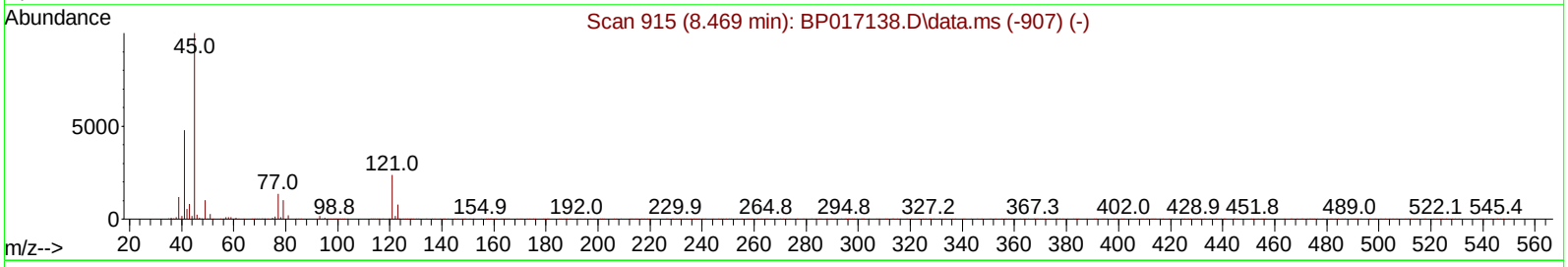
**Instrument :**
BNA_P
**ClientSampleId :**
H0GH2MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/15/2023




TIC: BP017166.D\data.ms

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

**8.464min (-0.006) 29.60 ng/ul m**

**response 590202**

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 15.60 | 15.03 |
| 79.00 | 11.00 | 10.89 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091223\
Data File : BP017166.D
Acq On : 14 Sep 2023 00:55
Operator : MA/JU
Sample : 04268-04MSD
Misc :
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Sep 14 02:55:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP091223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:27:27 2023
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
H0GH2MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/15/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.952 | 152 | 215126 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.775 | 136 | 935971 | 20.000 | ng/ul | -0.01 |
| 38) Acenaphthene-d10 | 14.610 | 164 | 598381 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.381 | 188 | 1334476 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.480 | 240 | 1257055 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.004 | 264 | 1217553 | 20.000 | ng/ul | -0.02 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.311 | 96 | 22833 | 4.460 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.752 | 84 | 145002 | 9.902 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.105 | 99 | 104439 | 5.970 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.293 | 67 | 331221 | 30.295 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.469 | 132 | 313278 | 22.449 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.664 | 113 | 203211 | 14.017 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.152 | 128 | 216788 | 33.078 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.863 | 143 | 228388 | 32.642 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.387 | 165 | 401224 | 29.651 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.940 | 131 | 528564 | 25.916 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.028 | 166 | 1592351 | 37.395 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.310 | 160 | 1660079 | 34.358 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.834 | 143 | 48615 | 5.907 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.610 | 176 | 1329688 | 36.114 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.740 | 200 | 259842 | 34.851 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.481 | 188 | 2175842 | 38.375 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.722 | 212 | 2614783 | 39.662 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.839 | 264 | 2215895 | 38.560 | ng/ul | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.346 | 88 | 23912 | 4.344 | ng/uL# | 95 |
| 5) Pyridine | 3.770 | 79 | 173999 | 11.471 | ng/ul | 99 |
| 6) Benzaldehyde | 7.111 | 77 | 325337 | 33.406 | ng/ul | 99 |
| 8) Phenol | 7.128 | 94 | 116848 | 6.334 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.387 | 93 | 455653 | 30.966 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.505 | 128 | 331342 | 23.392 | ng/ul | 99 |
| 13) 2-Methylphenol | 8.393 | 108 | 240623 | 17.495 | ng/ul | 98 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.464 | 45 | 590202m | 29.596 | ng/ul | |
| 16) Acetophenone | 8.805 | 105 | 733657 | 32.332 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propyla... | 8.769 | 70 | 378947 | 32.498 | ng/ul | 98 |
| 18) 4-Methylphenol | 8.728 | 108 | 233282 | 15.331 | ng/ul | 99 |
| 19) Hexachloroethane | 9.016 | 117 | 167615 | 28.773 | ng/ul | 95 |
| 22) Nitrobenzene | 9.193 | 77 | 561918 | 32.923 | ng/ul | 98 |
| 23) Isophorone | 9.711 | 82 | 1061816 | 33.198 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.899 | 139 | 251395 | 32.327 | ng/ul | 99 |
| 26) 2,4-Dimethylphenol | 9.934 | 107 | 378502 | 23.883 | ng/ul | 96 |
| 27) Bis(2-Chloroethoxy)met... | 10.193 | 93 | 644577 | 32.154 | ng/ul | 100 |
| 29) 2,4-Dichlorophenol | 10.416 | 162 | 410364 | 29.960 | ng/ul | 98 |
| 30) Naphthalene | 10.828 | 128 | 1497997 | 31.628 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.963 | 127 | 508556 | 25.552 | ng/ul | 98 |
| 33) Hexachlorobutadiene | 11.057 | 225 | 289445 | 31.121 | ng/ul | 99 |
| 34) Caprolactam | 11.793 | 113 | 20170 | 4.685 | ng/ul | 99 |
| 35) 4-Chloro-3-methylphenol | 12.063 | 107 | 423363 | 28.567 | ng/ul | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091223\
Data File : BP017166.D
Acq On : 14 Sep 2023 00:55
Operator : MA/JU
Sample : 04268-04MSD
Misc :
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Sep 14 02:55:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP091223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:27:27 2023
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
H0GH2MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/15/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.434 | 142 | 1041031 | 32.574 | ng/ul | 99 |
| 37) 1-Methylnaphthalene | 12.652 | 142 | 1020988 | 31.561 | ng/ul | 100 |
| 39) 1,2,4,5-Tetrachloroben... | 12.781 | 216 | 594350 | 33.349 | ng/ul | 100 |
| 40) Hexachlorocyclopentadiene | 12.734 | 237 | 250708 | 22.578 | ng/ul | 98 |
| 41) 2,4,6-Trichlorophenol | 13.040 | 196 | 396996 | 35.065 | ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 13.104 | 196 | 440991 | 36.637 | ng/ul | 100 |
| 43) 1,1'-Biphenyl | 13.446 | 154 | 1465590 | 34.157 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.493 | 162 | 1156399 | 33.937 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.728 | 65 | 373202 | 40.435 | ng/ul | 99 |
| 47) Dimethylphthalate | 14.075 | 163 | 1645988 | 38.078 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.222 | 165 | 332717 | 42.101 | ng/ul | 98 |
| 50) Acenaphthylene | 14.340 | 152 | 1860544 | 33.332 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.557 | 138 | 323415 | 38.255 | ng/ul | 100 |
| 52) Acenaphthene | 14.675 | 153 | 1293597 | 35.022 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.757 | 184 | 160614 | 29.016 | ng/ul | 96 |
| 55) 4-Nitrophenol | 14.846 | 109 | 42991 | 6.527 | ng/ul | 97 |
| 56) Dibenzofuran | 15.010 | 168 | 1864445 | 36.526 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 15.004 | 165 | 487826 | 41.455 | ng/ul | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.228 | 232 | 404708 | 38.327 | ng/ul | 98 |
| 59) Diethylphthalate | 15.428 | 149 | 1655349 | 38.787 | ng/ul | 99 |
| 61) Fluorene | 15.663 | 166 | 1569747 | 37.197 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenyle... | 15.657 | 204 | 802816 | 37.417 | ng/ul | 98 |
| 63) 4-Nitroaniline | 15.728 | 138 | 321593 | 40.917 | ng/ul | 99 |
| 66) 4,6-Dinitro-2-methylph... | 15.751 | 198 | 274908 | 34.357 | ng/ul | 99 |
| 67) N-Nitrosodiphenylamine | 15.881 | 169 | 1348925 | 38.876 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.557 | 248 | 516106 | 40.573 | ng/ul | 98 |
| 69) Hexachlorobenzene | 16.640 | 284 | 592428 | 39.347 | ng/ul | 99 |
| 70) Atrazine | 16.840 | 200 | 322864 | 25.705 | ng/ul | 99 |
| 71) Pentachlorophenol | 17.004 | 266 | 327074 | 33.426 | ng/ul | 98 |
| 72) Phenanthrene | 17.422 | 178 | 2606140 | 38.861 | ng/ul | 99 |
| 74) Anthracene | 17.516 | 178 | 2629944 | 38.720 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 13.399 | 216 | 59909 | 3.247 | ng/uL | 98 |
| 76) Pentachlorobenzene | 14.904 | 250 | 672734 | 40.182 | ng/uL | 99 |
| 77) Carbazole | 17.804 | 167 | 2385224 | 39.993 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 18.310 | 149 | 2968772 | 43.682 | ng/ul | 99 |
| 80) Fluoranthene | 19.392 | 202 | 3153895 | 40.930 | ng/ul | 99 |
| 82) Pyrene | 19.751 | 202 | 3276709 | 40.245 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.610 | 149 | 1343828 | 46.277 | ng/ul | 98 |
| 84) 3,3'-Dichlorobenzidine | 21.404 | 252 | 900734 | 34.950 | ng/ul | 100 |
| 85) Benzo(a)anthracene | 21.463 | 228 | 3169150 | 38.504 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.345 | 149 | 1944938 | 47.713 | ng/ul | 98 |
| 87) Chrysene | 21.522 | 228 | 2978743 | 38.906 | ng/ul | 98 |
| 89) Di-n-octyl phthalate | 22.304 | 149 | 3276435 | 48.532 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.222 | 252 | 2938390 | 40.943 | ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 23.275 | 252 | 2908267 | 40.763 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 23.892 | 252 | 2478163 | 37.219 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 26.680 | 276 | 2814022 | 38.166 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 26.704 | 278 | 2367512 | 38.225 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 27.515 | 276 | 2196592 | 38.528 | ng/ul | 99 |

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

**Instrument :**
BNA_P
**ClientSampleId :**
H0GH2MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/15/2023

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091223\
Data File : BP017166.D
Acq On : 14 Sep 2023 00:55
Operator : MA/JU
Sample : 04268-04MSD
Misc :
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Sep 14 02:55:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP091223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:27:27 2023
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
H0GH2MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/15/2023