Quantitation Report (QT Reviewed)

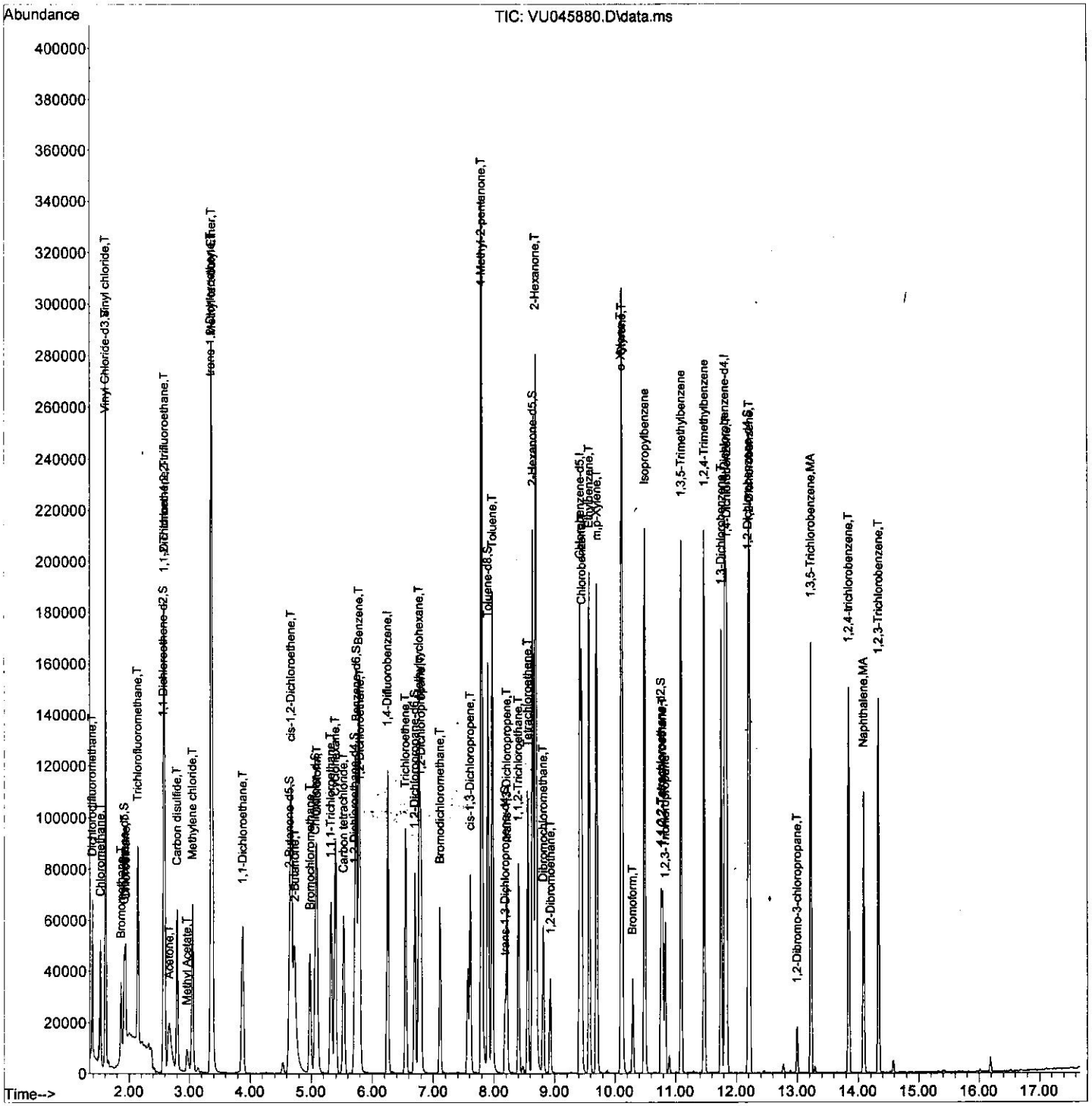
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111821\
Data File : VU045880.D
Acq On : 18 Nov 2021 19:56
Operator : SY/MD
Sample : M4664-04MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 19 00:56:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 19 00:50:55 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
H4649MSD

**Manual IntegrationsAPPROVED**

Reviewed By :John Carlone 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



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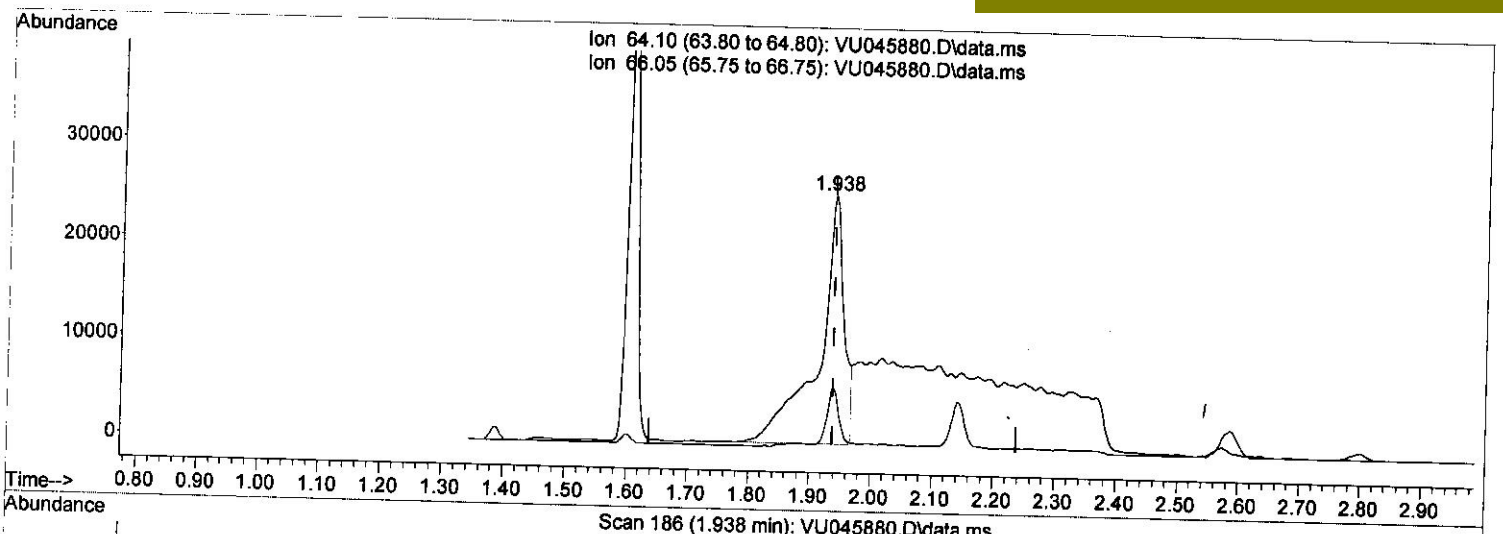


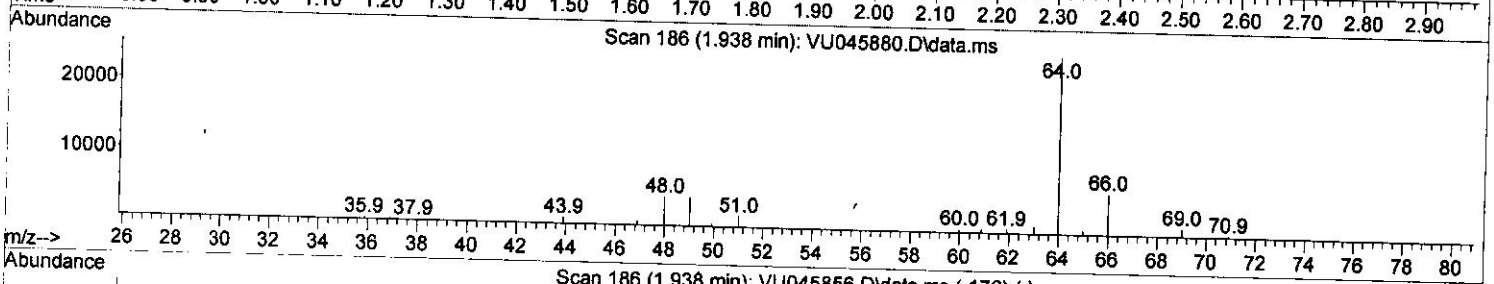


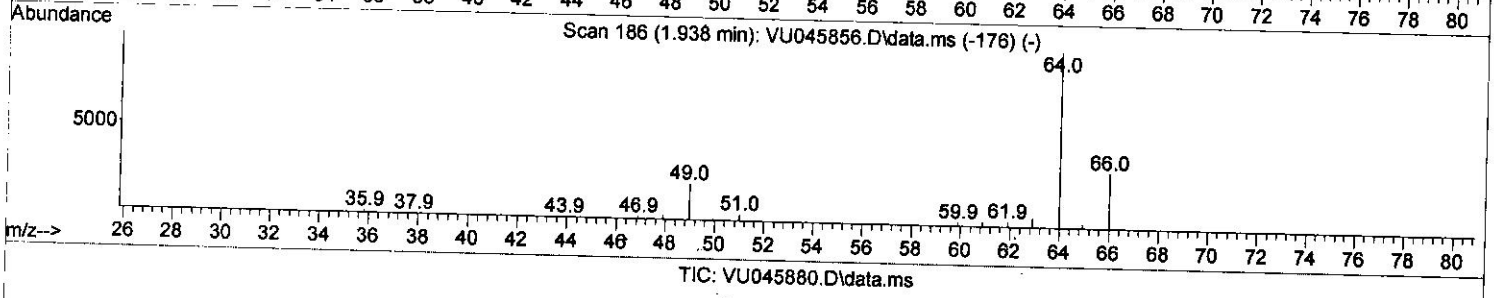


TIC: VU045880.D\data.ms

(8) Chloroethane (T)

1.938min (+ 0.000) 15.63 ug/L

response 72724

| Ion | Exp% | Act% |
|---|---|---|
| 64.10 | 100.00 | 100.00 |
| 66.05 | 31.60 | 23.79 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
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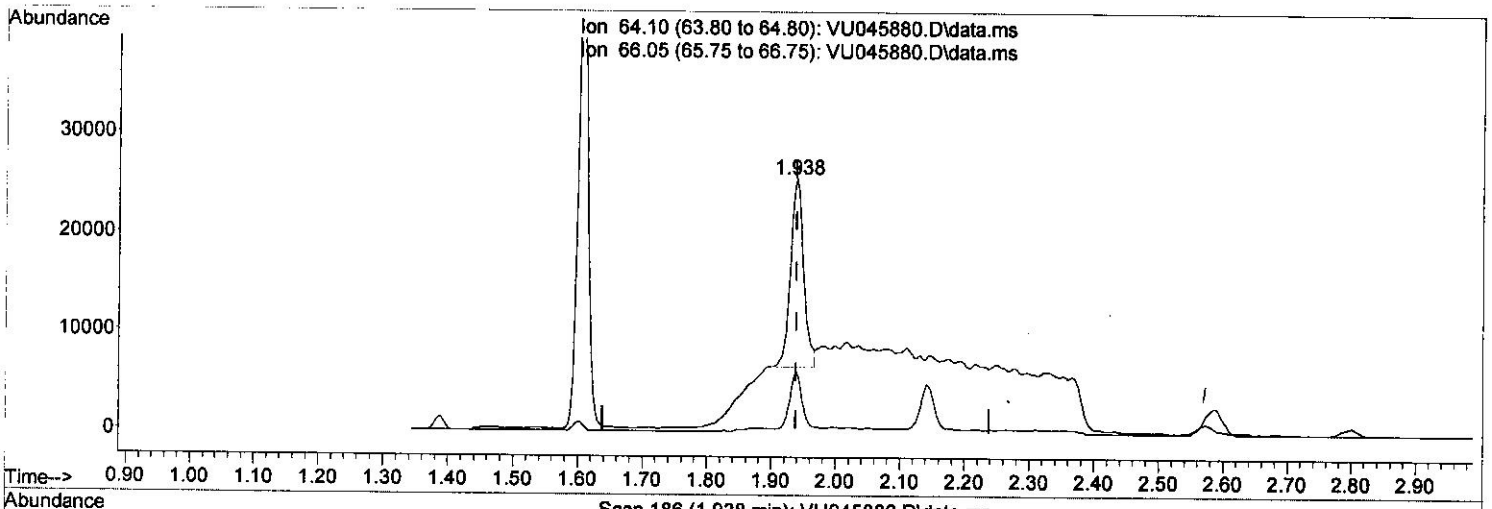


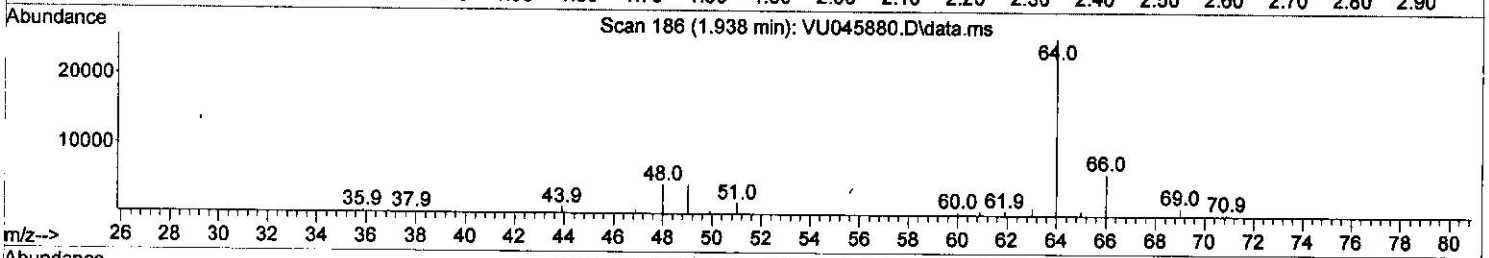


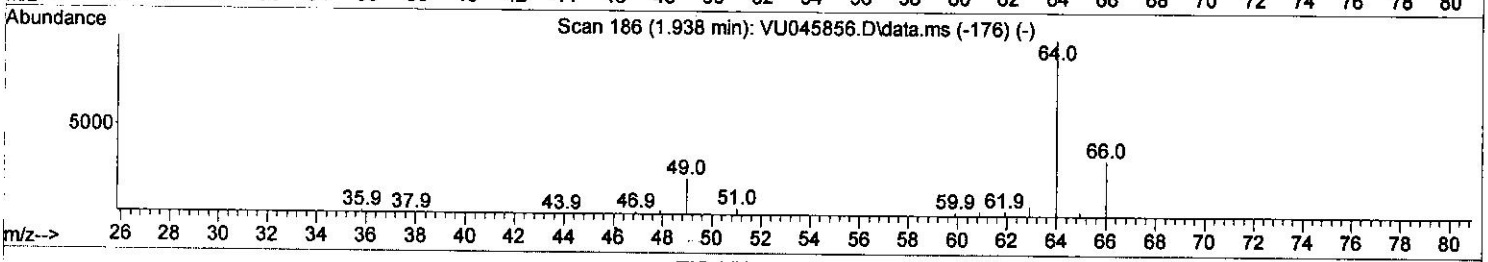


TIC: VU045880.D\data.ms

(8) Chloroethane (T)

1.938min (+ 0.000) 5.86 ug/L m

response 27280

| Ion | Exp% | Act% |
|---|---|---|
| 64.10 | 100.00 | 100.00 |
| 66.05 | 31.60 | 23.79 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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QLast Update : Fri Nov 19 00:50:55 2021
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**Instrument :**
MSVOA_U
**ClientSampleId :**
H4649MSD

**Manual IntegrationsAPPROVED**

Reviewed By :John Carlone 11/19/2021
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 6.253 | 114 | 94240 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.420 | 117 | 96915 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.812 | 152 | 52125 | 5.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.600 | 65 | 31718 | 4.248 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 85.000% | | | |
| 7) Chloroethane-d5 | 1.916 | 69 | 24951 | 4.590 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 91.800% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.568 | 65 | 13261 | 4.235 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 84.600% | | | |
| 20) 2-Butanone-d5 | 4.645 | 46 | 102567 | 51.260 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 102.520% | | | |
| 24) Chloroform-d | 5.067 | 84 | 60208 | 4.840 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 96.800% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.706 | 65 | 33120 | 4.538 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 90.800% | | | |
| 32) Benzene-d6 | 5.732 | 84 | 117268 | 4.394 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 87.800% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.694 | 67 | 37643 | 4.475 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 89.600% | | | |
| 41) Toluene-d8 | 7.899 | 98 | 104741 | 4.338 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 86.800% | | | |
| 43) trans-1,3-Dichloroprop... | 8.182 | 79 | 15678 | 4.591 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 91.800% | | | |
| 46) 2-Hexanone-d5 | 8.636 | 63 | 75682 | 49.243 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 98.480% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84 | 35285 | 4.965 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 99.400% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.195 | 152 | 39685 | 4.434 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 88.600% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.385 | 85 | 34179 | 4.454 | ug/L | 99 |
| 3) Chloromethane | 1.520 | 50 | 33271 | 4.092 | ug/L | 99 |
| 5) Vinyl chloride | 1.604 | 62 | 156777 | 19.210 | ug/L | 99 |
| 6) Bromomethane | 1.861 | 94 | 11755 | 2.429 | ug/L | 100 |
| 8) Chloroethane | 1.938 | 64 | 27280m | 5.862 | ug/L | |
| 9) Trichlorofluoromethane | 2.141 | 101 | 49971 | 4.743 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.584 | 101 | 28592 | 4.628 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.584 | 96 | 27161 | 4.656 | ug/L | 84 |
| 13) Acetone | 2.665 | 43 | 58422 | 49.607 | ug/L | 95 |
| 14) Carbon disulfide | 2.797 | 76 | 82410 | 4.467 | ug/L | 99 |
| 15) Methyl Acetate | 2.961 | 43 | 13175 | 4.559 | ug/L | 95 |
| 16) Methylene chloride | 3.051 | 84 | 31600 | 3.669 | ug/L | 100 |
| 17) Methyl tert-butyl Ether | 3.369 | 73 | 228236 | 15.028 | ug/L | 100 |
| 18) trans-1,2-Dichloroethene | 3.356 | 96 | 44991 | 7.195 | ug/L | 96 |
| 19) 1,1-Dichloroethane | 3.877 | 63 | 65865 | 5.622 | ug/L | 99 |
| 21) 2-Butanone | 4.726 | 43 | 99913 | 50.422 | ug/L | 100 |
| 22) cis-1,2-Dichloroethene | 4.671 | 96 | 44581 | 6.575 | ug/L | 98 |
| 23) Bromochloromethane | 4.980 | 128 | 14867 | 5.031 | ug/L | 95 |

nP 11/30/21

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**Instrument :**
MSVOA_U
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H4649MSD

**Manual IntegrationsAPPROVED**

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| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 25) Chloroform | 5.092 | 83 | 59641 | 4.693 ug/L | 98 |
| 27) 1,2-Dichloroethane | 5.796 | 62 | 39375 | 4.855 ug/L | 98 |
| 29) 1,1,1-Trichloroethane | 5.321 | 97 | 49858 | 4.735 ug/L | 99 |
| 30) Cyclohexane | 5.395 | 56 | 44726 | 4.283 ug/L | 99 |
| 31) Carbon tetrachloride | 5.526 | 117 | 42400 | 4.788 ug/L | 100 |
| 33) Benzene | 5.777 | 78 | 133922 | 4.952 ug/L | 100 |
| 34) Trichloroethene | 6.542 | 95 | 32726 | 4.695 ug/L | 97 |
| 35) Methylcyclohexane | 6.767 | 83 | 48382 | 4.520 ug/L | 98 |
| 37) 1,2-Dichloropropane | 6.793 | 63 | 33703 | 4.735 ug/L | 100 |
| 38) Bromodichloromethane | 7.108 | 83 | 42203 | 4.806 ug/L | 95 |
| 39) cis-1,3-Dichloropropene | 7.610 | 75 | 46949 | 4.642 ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 7.793 | 43 | 232091 | 49.717 ug/L | 99 |
| 42) Toluene | 7.973 | 91 | 137898 | 4.940 ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 8.211 | 75 | 42336 | 4.812 ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 8.401 | 97 | 25918 | 4.905 ug/L | 97 |
| 47) Tetrachloroethene | 8.555 | 164 | 23596 | 4.836 ug/L | 95 |
| 48) 2-Hexanone | 8.687 | 43 | 175052 | 51.907 ug/L | 99 |
| 49) Dibromochloromethane | 8.812 | 129 | 29347 | 4.877 ug/L | 95 |
| 50) 1,2-Dibromoethane | 8.928 | 107 | 24571 | 4.936 ug/L # | 96 |
| 51) Chlorobenzene | 9.449 | 112 | 85803 | 4.900 ug/L | 98 |
| 52) Ethylbenzene | 9.571 | 91 | 140799 | 4.818 ug/L | 98 |
| 53) m,p-Xylene | 9.697 | 106 | 55848 | 4.990 ug/L | 98 |
| 54) o-Xylene | 10.102 | 106 | 53387 | 4.943 ug/L | 95 |
| 55) Styrene | 10.118 | 104 | 94534 | 5.199 ug/L | 99 |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83 | 33968 | 5.019 ug/L | 94 |
| 59) Bromoform | 10.291 | 173 | 15867 | 4.596 ug/L | 99 |
| 60) Isopropylbenzene | 10.488 | 105 | 143412 | 4.686 ug/L | 100 |
| 61) 1,2,3-Trichloropropane | 10.825 | 75 | 24740 | 4.572 ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 11.092 | 105 | 116377 | 4.651 ug/L | 100 |
| 63) 1,2,4-Trimethylbenzene | 11.471 | 105 | 118736 | 4.736 ug/L | 98 |
| 64) 1,3-Dichlorobenzene | 11.748 | 146 | 68014 | 4.764 ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 11.838 | 146 | 69259 | 4.775 ug/L | 99 |
| 67) 1,2-Dichlorobenzene | 12.214 | 146 | 65109 | 4.757 ug/L | 99 |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75 | 4902 | 4.354 ug/L | 97 |
| 69) 1,3,5-Trichlorobenzene | 13.221 | 180 | 49737 | 4.658 ug/L | 99 |
| 70) 1,2,4-trichlorobenzene | 13.841 | 180 | 42740 | 4.730 ug/L | 99 |
| 71) Naphthalene | 14.089 | 128 | 87108 | 4.692 ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 14.330 | 180 | 42754 | 4.755 ug/L | 98 |

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