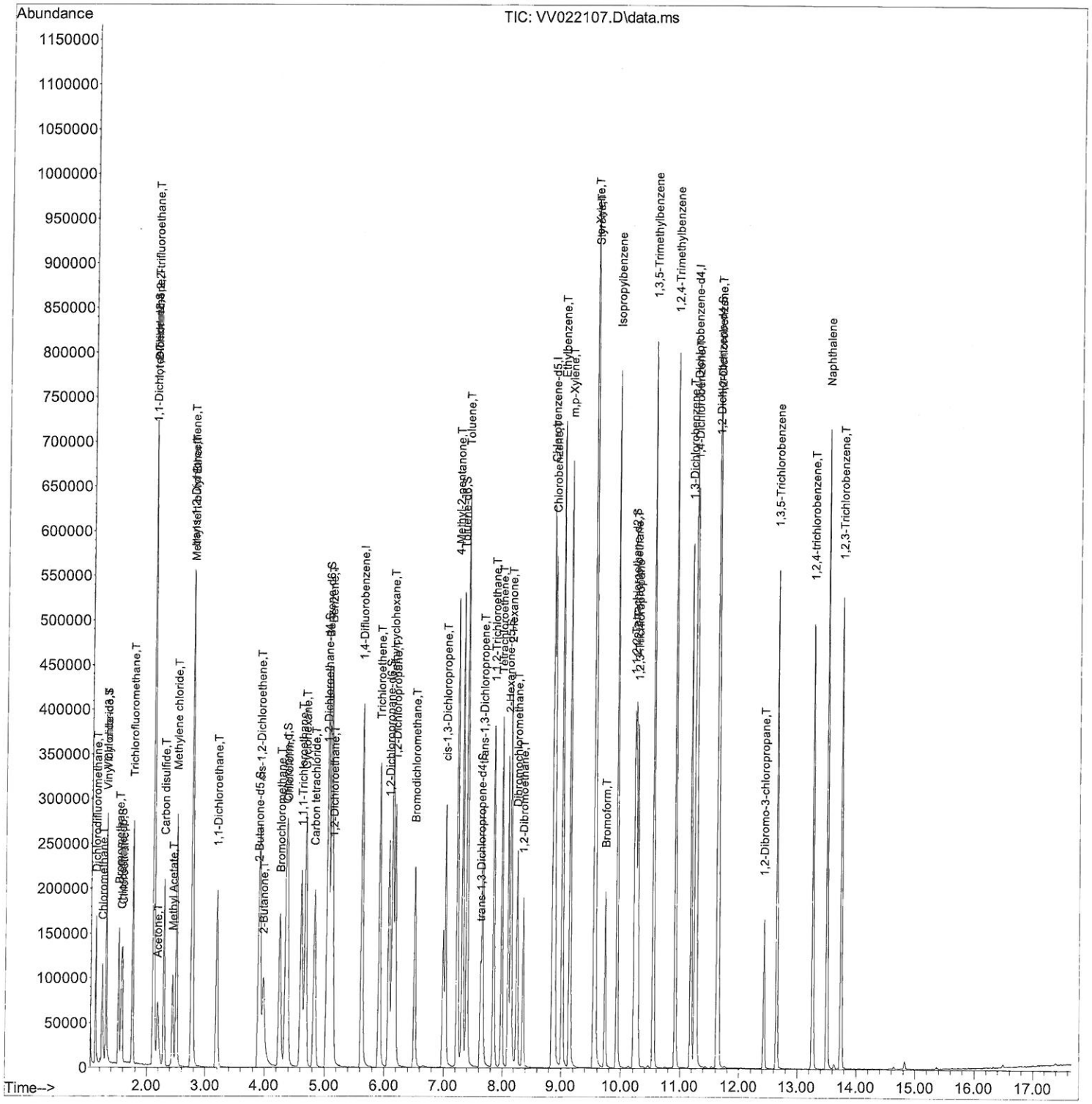
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090721\
Data File : VV022107.D
Acq On : 07 Sep 2021 17:00
Operator : SY/MD
Sample : M3651-09MSD
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 08 01:18:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 08 01:14:49 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
DBKM3MSD

**Manual Integrations APPROVED**
MMDadoda
9/8/2021 10:17:03 AM



Quantitation Report (Qedit)

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Data File : VV022107.D
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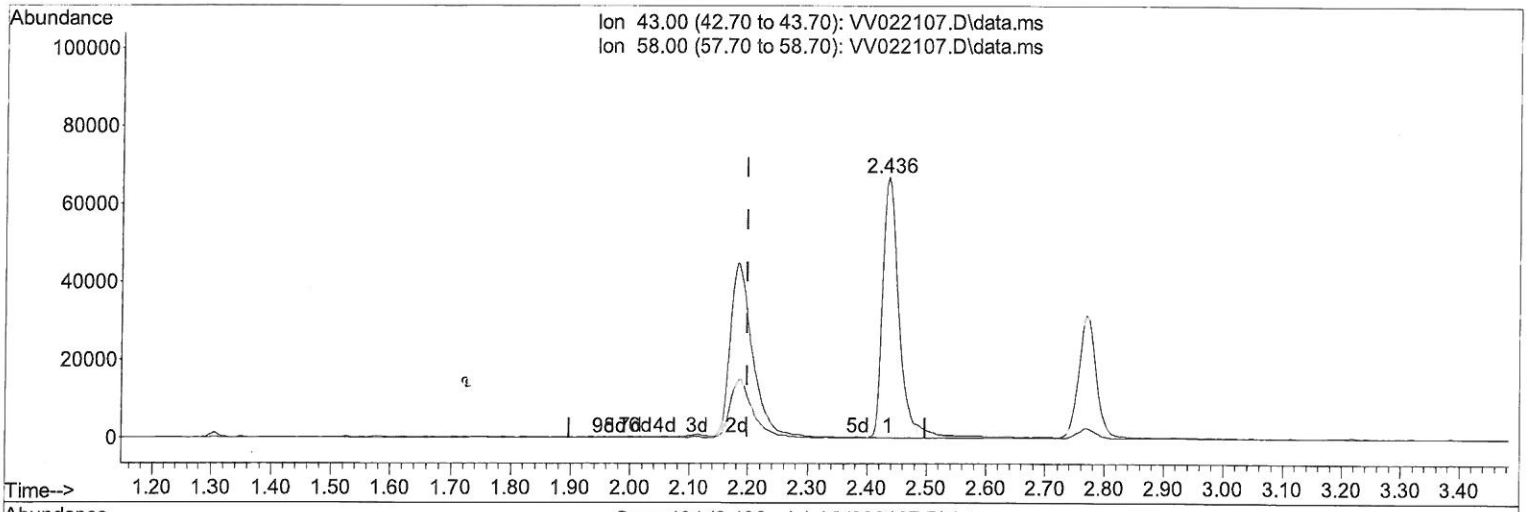


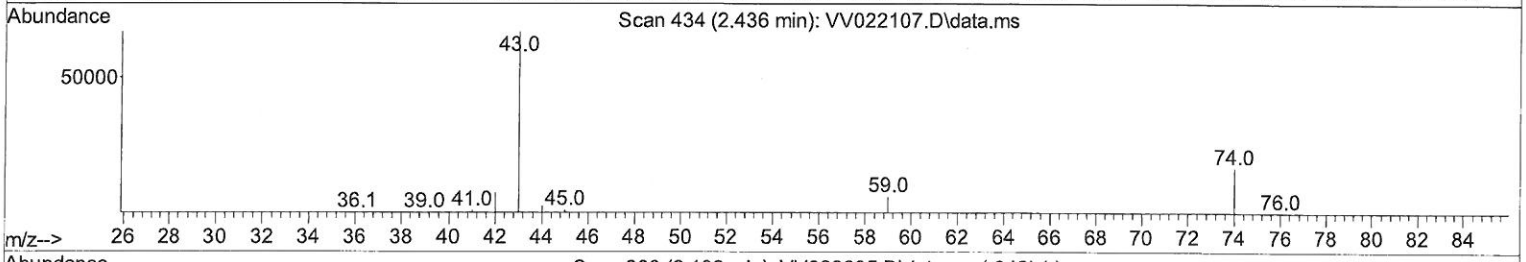


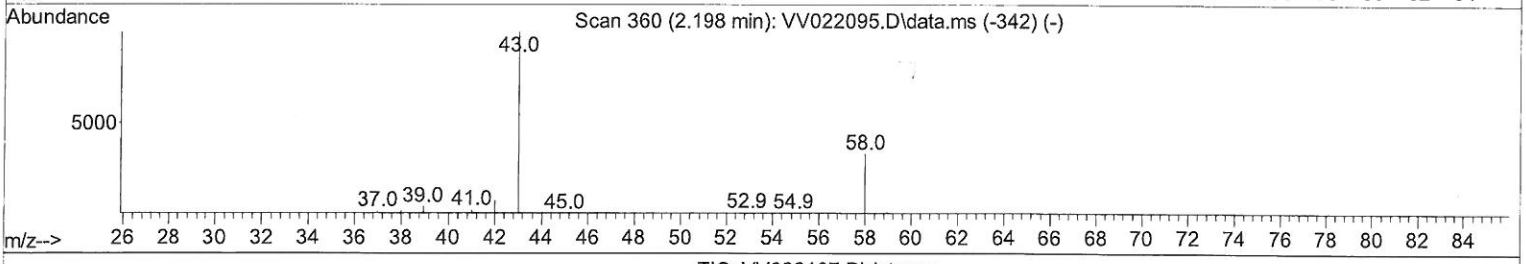


TIC: VV022107.D\data.ms

(13) Acetone (T)

2.436min (+ 0.238) 84.50 ug/L

response 122458

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100.00 | 100.00 |
| 58.00 | 0.20 | 0.03 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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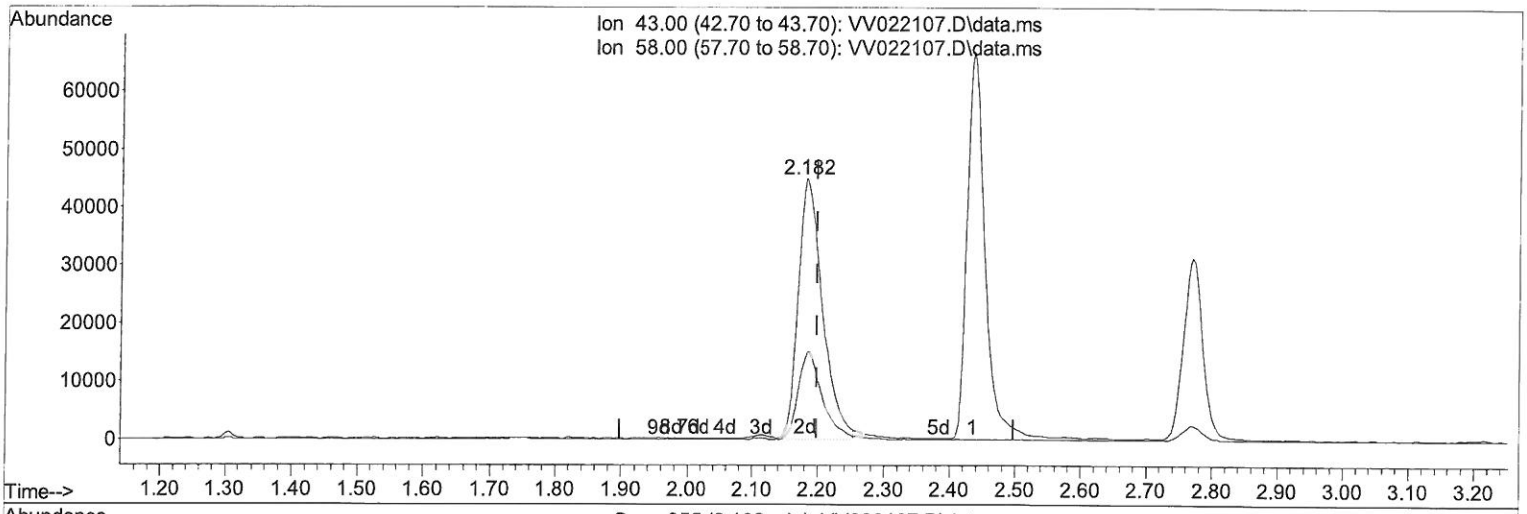
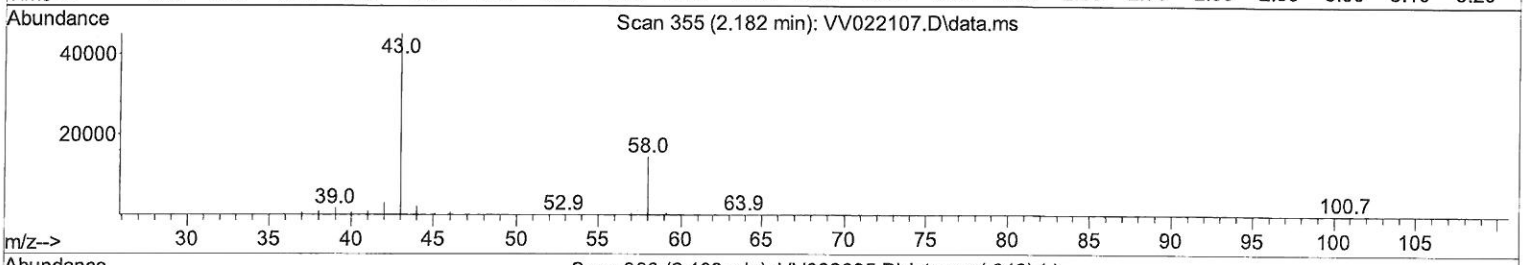
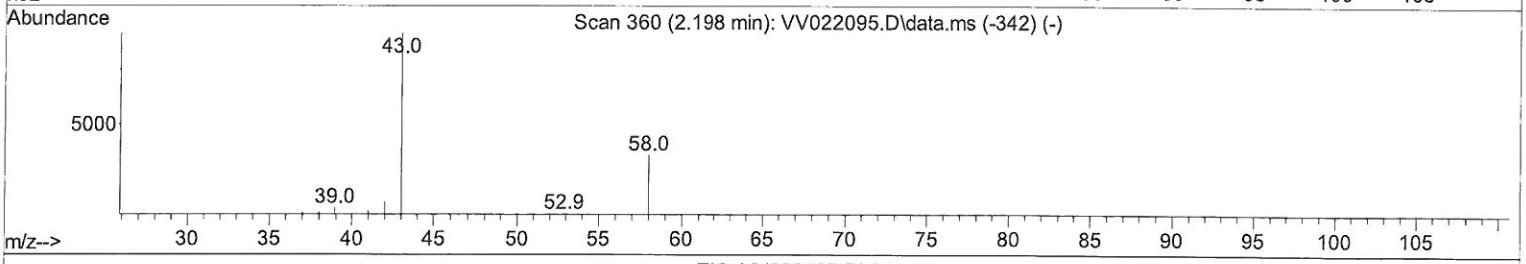
Quant Title : VOC Analysis
QLast Update : Wed Sep 08 01:14:49 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
DBKM3MSD

**Manual Integrations APPROVED**
MMDadoda
9/8/2021 10:17:03 AM




TIC: VV022107.D\data.ms

(13) Acetone (T)

2.182min (-0.016) 79.62 ug/L m 9/10/21

response 115389

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100.00 | 100.00 |
| 58.00 | 0.20 | 0.04 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090721\
Data File : VV022107.D
Acq On : 07 Sep 2021 17:00
Operator : SY/MD
Sample : M3651-09MSD
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** DBKM3MSD

**Manual Integrations APPROVED**
MMDadoda
9/8/2021 10:17:03 AM

Quant Time: Sep 08 01:18:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 08 01:14:49 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 5.619 | 114 | 364193 | 50.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.853 | 117 | 339749 | 50.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.252 | 152 | 175750 | 50.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.304 | 65 | 88549 | 35.109 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 70.220% | | | |
| 7) Chloroethane-d5 | 1.564 | 69 | 75292 | 38.228 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 76.460% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.108 | 63 | 174832 | 41.915 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 83.840% | | | |
| 21) 2-Butanone-d5 | 3.892 | 46 | 181807 | 105.110 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 105.110% | | | |
| 24) Chloroform-d | 4.352 | 84 | 201620 | 43.842 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 87.680% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.034 | 65 | 120624 | 44.531 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 89.060% | | | |
| 32) Benzene-d6 | 5.053 | 84 | 389410 | 42.258 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 84.520% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.072 | 67 | 126162 | 43.534 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 87.060% | | | |
| 41) Toluene-d8 | 7.316 | 98 | 357786 | 41.130 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 82.260% | | | |
| 43) trans-1,3-Dichloroprop... | 7.622 | 79 | 57942 | 42.007 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 84.020% | | | |
| 47) 2-Hexanone-d5 | 8.091 | 63 | 122746 | 110.386 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 110.390% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84 | 184929 | 49.825 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 99.640% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 11.625 | 152 | 147399 | 42.662 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 85.320% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.127 | 85 | 92166 | 36.816 | ug/L | 100 |
| 3) Chloromethane | 1.240 | 50 | 99086 | 37.379 | ug/L | 99 |
| 5) Vinyl chloride | 1.307 | 62 | 104542 | 39.128 | ug/L | 99 |
| 6) Bromomethane | 1.519 | 94 | 66795 | 41.582 | ug/L | 99 |
| 8) Chloroethane | 1.584 | 64 | 66293 | 39.663 | ug/L | 100 |
| 9) Trichlorofluoromethane | 1.751 | 101 | 159068 | 41.807 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114 | 101 | 97475 | 43.679 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.114 | 96 | 92028 | 43.808 | ug/L | 93 |
| 13) Acetone | 2.182 | 43 | 115389m | 79.619 | ug/L | |
| 14) Carbon disulfide | 2.291 | 76 | 237315 | 37.439 | ug/L | 100 |
| 15) Methyl Acetate | 2.436 | 43 | 126453 | 44.805 | ug/L | 100 |
| 16) Methylene chloride | 2.506 | 84 | 119912 | 42.604 | ug/L | 98 |
| 17) trans-1,2-Dichloroethene | 2.760 | 96 | 105049 | 41.358 | ug/L | 98 |
| 18) Methyl tert-butyl Ether | 2.770 | 73 | 363230 | 45.002 | ug/L | 100 |
| 19) 1,1-Dichloroethane | 3.191 | 63 | 201203 | 44.476 | ug/L | 99 |
| 20) cis-1,2-Dichloroethene | 3.911 | 96 | 122279 | 43.254 | ug/L | 99 |
| 22) 2-Butanone | 3.976 | 43 | 178971 | 87.853 | ug/L | 100 |
| 23) Bromochloromethane | 4.252 | 128 | 66014 | 43.847 | ug/L | 97 |

MD 9/10/21

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QLast Update : Wed Sep 08 01:14:49 2021
Response via : Initial Calibration

**Instrument :** MSVOA_V
**ClientSampleId :** DBKM3MSD

**Manual Integrations APPROVED**
MMDadoda
9/8/2021 10:17:03 AM

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 25) Chloroform | 4.378 | 83 | 208278 | 43.492 ug/L | 99 |
| 27) 1,2-Dichloroethane | 5.133 | 62 | 147536 | 45.960 ug/L | 99 |
| 29) Cyclohexane | 4.677 | 56 | 160141 | 42.165 ug/L | 99 |
| 30) 1,1,1-Trichloroethane | 4.609 | 97 | 181746 | 45.010 ug/L | 99 |
| 31) Carbon tetrachloride | 4.828 | 117 | 151028 | 43.534 ug/L | 97 |
| 33) Benzene | 5.101 | 78 | 443133 | 44.830 ug/L | 100 |
| 34) Trichloroethene | 5.915 | 95 | 117412 | 41.934 ug/L | 97 |
| 35) Methylcyclohexane | 6.133 | 83 | 165582 | 40.453 ug/L | 98 |
| 37) 1,2-Dichloropropane | 6.175 | 63 | 114542 | 44.703 ug/L | 99 |
| 38) Bromodichloromethane | 6.513 | 83 | 151173 | 46.135 ug/L | 100 |
| 39) cis-1,3-Dichloropropene | 7.030 | 75 | 179135 | 45.282 ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 7.230 | 43 | 346545 | 99.762 ug/L | 99 |
| 42) Toluene | 7.390 | 91 | 476252 | 44.641 ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 7.654 | 75 | 169136 | 45.938 ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 7.841 | 97 | 119236 | 45.735 ug/L | 98 |
| 46) Tetrachloroethene | 7.976 | 164 | 91156 | 41.870 ug/L | 98 |
| 48) 2-Hexanone | 8.140 | 43 | 264530 | 98.147 ug/L | 98 |
| 49) Dibromochloromethane | 8.249 | 129 | 126331 | 45.269 ug/L | 100 |
| 50) 1,2-Dibromoethane | 8.355 | 107 | 127088 | 45.420 ug/L | 97 |
| 51) Chlorobenzene | 8.882 | 112 | 315067 | 43.925 ug/L | 98 |
| 52) Ethylbenzene | 9.014 | 91 | 506201 | 43.832 ug/L | 99 |
| 53) m,p-Xylene | 9.140 | 106 | 196462 | 43.767 ug/L | 100 |
| 54) o-Xylene | 9.545 | 106 | 198366 | 44.662 ug/L | 96 |
| 55) Styrene | 9.561 | 104 | 337052 | 44.468 ug/L | 98 |
| 57) 1,1,2,2-Tetrachloroethane | 10.242 | 83 | 188433 | 49.884 ug/L | 99 |
| 59) Bromoform | 9.734 | 173 | 90156 | 48.298 ug/L | 98 |
| 60) Isopropylbenzene | 9.934 | 105 | 512110 | 46.373 ug/L | 100 |
| 61) 1,2,3-Trichloropropane | 10.275 | 75 | 150568 | 49.432 ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 10.541 | 105 | 424837 | 45.823 ug/L | 99 |
| 63) 1,2,4-Trimethylbenzene | 10.918 | 105 | 431577 | 45.798 ug/L | 99 |
| 64) 1,3-Dichlorobenzene | 11.181 | 146 | 245399 | 43.766 ug/L | 98 |
| 65) 1,4-Dichlorobenzene | 11.275 | 146 | 243152 | 42.379 ug/L | 99 |
| 67) 1,2-Dichlorobenzene | 11.644 | 146 | 250671 | 45.025 ug/L | 99 |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75 | 38548 | 52.510 ug/L | 97 |
| 69) 1,3,5-Trichlorobenzene | 12.647 | 180 | 174565 | 41.636 ug/L | 100 |
| 70) 1,2,4-trichlorobenzene | 13.262 | 180 | 151065 | 40.959 ug/L | 100 |
| 71) Naphthalene | 13.503 | 128 | 563120 | 53.078 ug/L | 100 |
| 72) 1,2,3-Trichlorobenzene | 13.747 | 180 | 158961 | 44.188 ug/L | 99 |

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