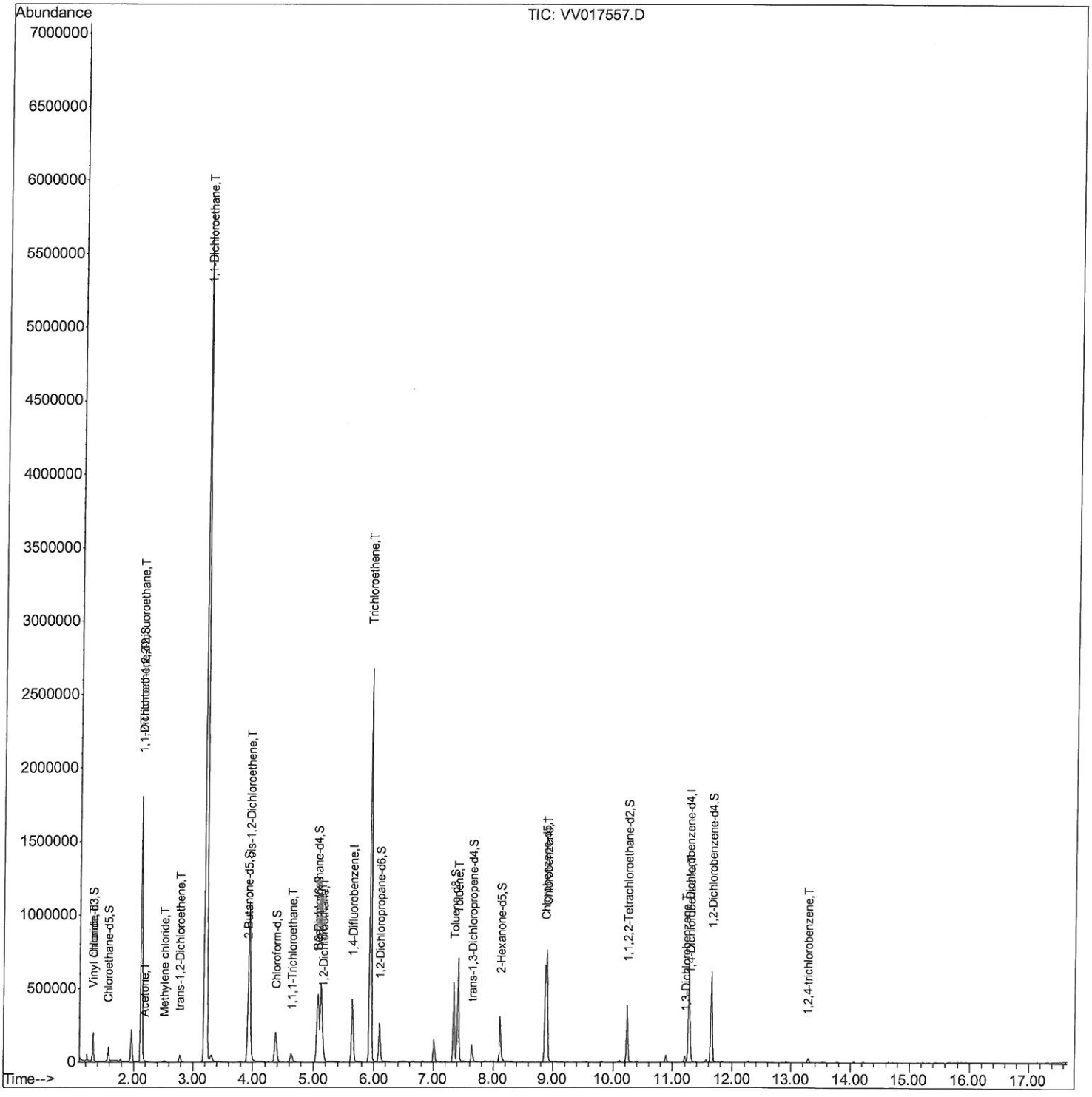
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072020\
Data File : VV017557.D
Acq On : 20 Jul 2020 20:06
Operator : SY/MD
Sample : L3336-17MSD
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 21 04:07:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072020WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Jul 20 18:07:44 2020
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
PMW-2MSD

**Manual Integrations APPROVED**
MMDadoda
7/22/2020 11:03:53 AM



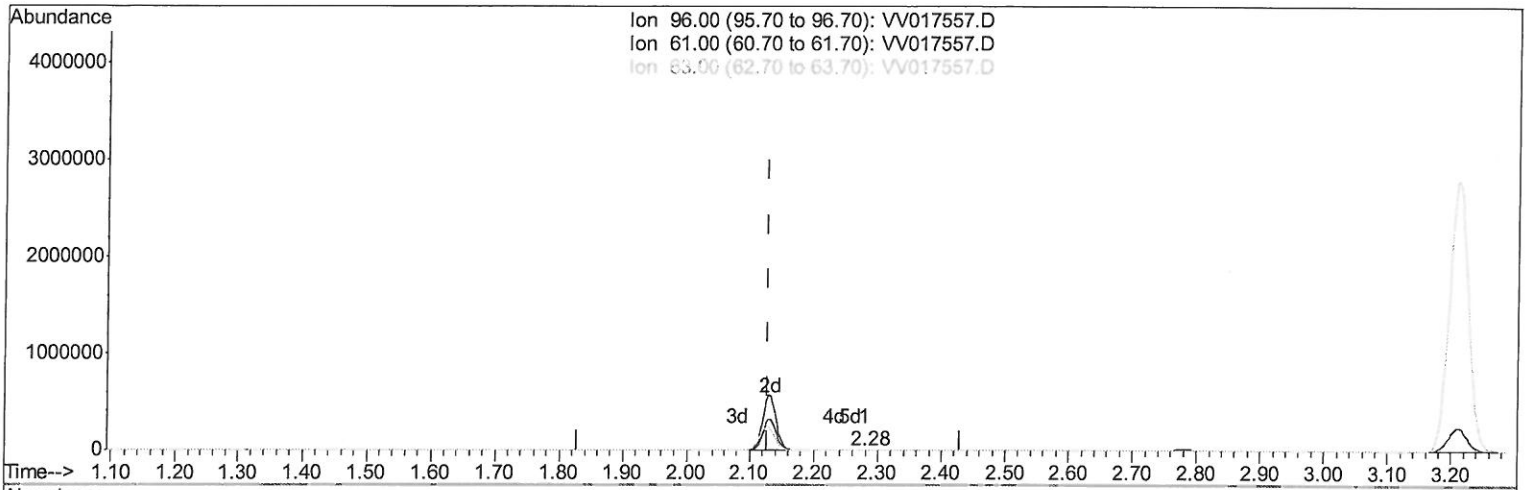
Quantitation Report (Qedit)

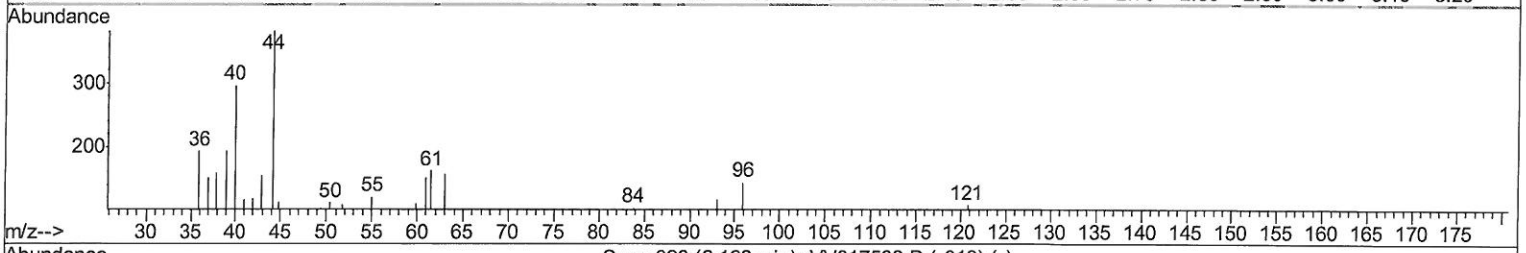
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072020\
Data File : VV017557.D
Acq On : 20 Jul 2020 20:06
Operator : SY/MD
Sample : L3336-17MSD
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

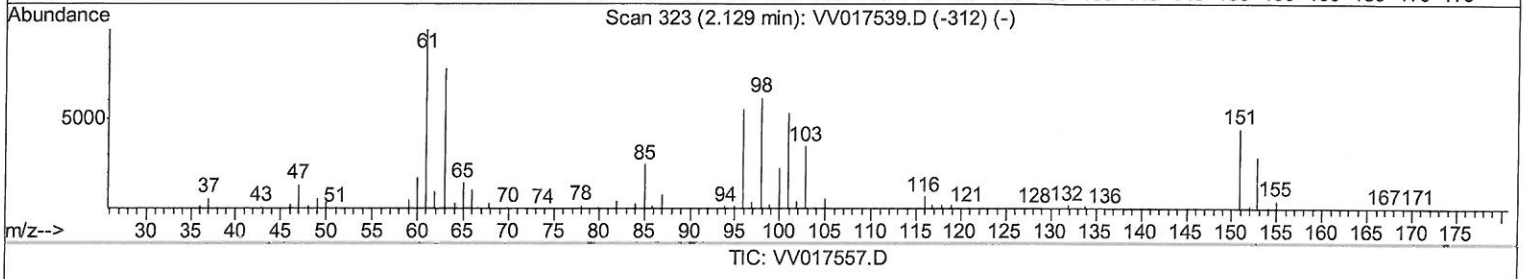
Quant Time: Jul 21 01:48:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072020WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Jul 20 18:07:44 2020
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
PMW-2MSD

**Manual Integrations APPROVED**
MMDadoda
7/22/2020 11:03:53 AM




TIC: VV017557.D

(12) 1,1-Dichloroethene (T)

2.280min (+0.151) 0.04ug/L

response 99

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100 | 100 |
| 61.00 | 180.00 | 217.36 |
| 63.00 | 142.60 | 108.33 |
| 0.00 | 0.00 | 0.00 |

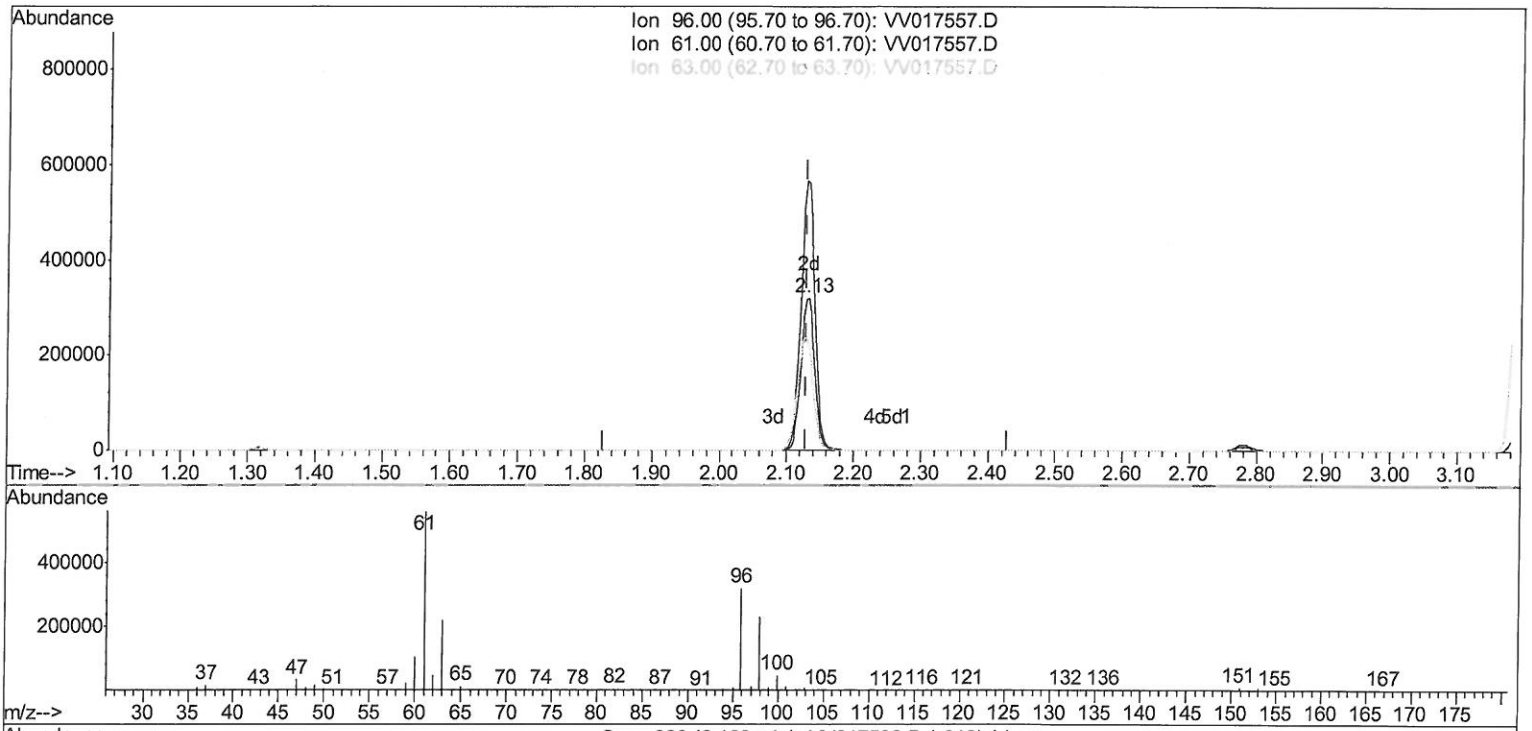
Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072020\
Data File : VV017557.D
Acq On : 20 Jul 2020 20:06
Operator : SY/MD
Sample : L3336-17MSD
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 21 01:48:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072020WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Jul 20 18:07:44 2020
Response via : Initial Calibration

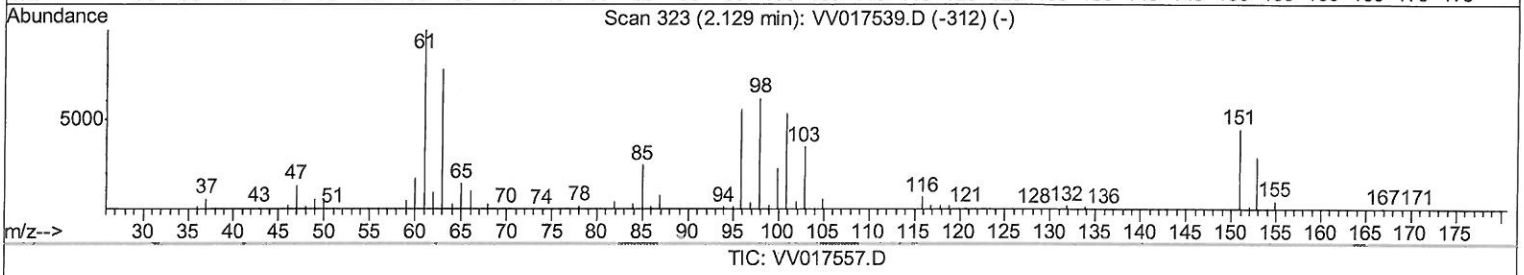
**Instrument :**
MSVOA_V
**ClientSampleId :**
PMW-2MSD

**Manual Integrations APPROVED**
MMDadoda
7/22/2020 11:03:53 AM










TIC: VV017557.D

(12) 1,1-Dichloroethene (T)

2.132min (+0.003) 194.58ug/L m

response 461779

7 mD 7/23/20

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100 | 100 |
| 61.00 | 180.00 | 174.91 |
| 63.00 | 142.60 | 68.62# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072020\
Data File : VV017557.D
Acq On : 20 Jul 2020 20:06
Operator : SY/MD
Sample : L3336-17MSD
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** PMW-2MSD

**Manual Integrations APPROVED**
MMDadoda
7/22/2020 11:03:53 AM

Quant Time: Jul 21 04:07:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072020WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Jul 20 18:07:44 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 355745 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 341368 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152 | 168608 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 76548 | 38.57 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 77.14% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 57475 | 35.19 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 70.38% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 389449 | 80.69 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 161.38%# | | | |
| 21) 2-Butanone-d5 | 3.91 | 46 | 152025 | 105.44 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 105.44% | | | |
| 24) Chloroform-d | 4.38 | 84 | 206228 | 45.36 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 90.72% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.06 | 65 | 142918 | 46.06 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 92.12% | | | |
| 32) Benzene-d6 | 5.07 | 84 | 379010 | 50.34 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 100.68% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.09 | 67 | 117087 | 52.72 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 105.44% | | | |
| 41) Toluene-d8 | 7.34 | 98 | 343254 | 48.11 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 96.22% | | | |
| 43) trans-1,3-Dichloropropene- | 7.64 | 79 | 61730 | 45.18 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 90.36% | | | |
| 47) 2-Hexanone-d5 | 8.11 | 63 | 113607 | 108.94 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 108.94% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24 | 84 | 168745 | 52.64 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 105.28% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 154030 | 50.55 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 101.10% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 5) Vinyl chloride | 1.32 | 62 | 47768 | 16.760 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 21469 | 8.096 | ug/L | 95 |
| 12) 1,1-Dichloroethene | 2.13 | 96 | 461779m | 194.583 | ug/L | |
| 13) Acetone | 2.19 | 43 | 4696 | 2.670 | ug/L | 96 |
| 16) Methylene chloride | 2.52 | 84 | 2624 | 0.986 | ug/L | 97 |
| 17) trans-1,2-Dichloroethene | 2.78 | 96 | 15844 | 6.900 | ug/L | 96 |
| 19) 1,1-Dichloroethane | 3.21 | 63 | 5901457 | 1375.845 | ug/L | 99 |
| 20) cis-1,2-Dichloroethene | 3.94 | 96 | 593164 | 235.448 | ug/L | 97 |
| 27) 1,2-Dichloroethane | 5.16 | 62 | 88211 | 21.357 | ug/L | 97 |
| 30) 1,1,1-Trichloroethane | 4.64 | 97 | 45746 | 10.026 | ug/L | 95 |
| 33) Benzene | 5.12 | 78 | 518383 | 58.786 | ug/L | 100 |
| 34) Trichloroethene | 5.94 | 95 | 886658 | 364.814 | ug/L | 97 |
| 42) Toluene | 7.41 | 91 | 501303 | 51.451 | ug/L | 98 |
| 51) Chlorobenzene | 8.90 | 112 | 381758 | 55.663 | ug/L | 99 |
| 62) 1,3-Dichlorobenzene | 11.21 | 146 | 17983 | 3.411 | ug/L | 96 |
| 63) 1,4-Dichlorobenzene | 11.30 | 146 | 54752 | 9.970 | ug/L | 99 |
| 68) 1,2,4-trichlorobenzene | 13.29 | 180 | 8295 | 2.189 | ug/L | 99 |

JMD 7/23/20

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**Instrument :**
MSVOA_V
**ClientSampleId :**
PMW-2MSD

**Manual Integrations APPROVED**
MMDadoda
7/22/2020 11:03:53 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

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