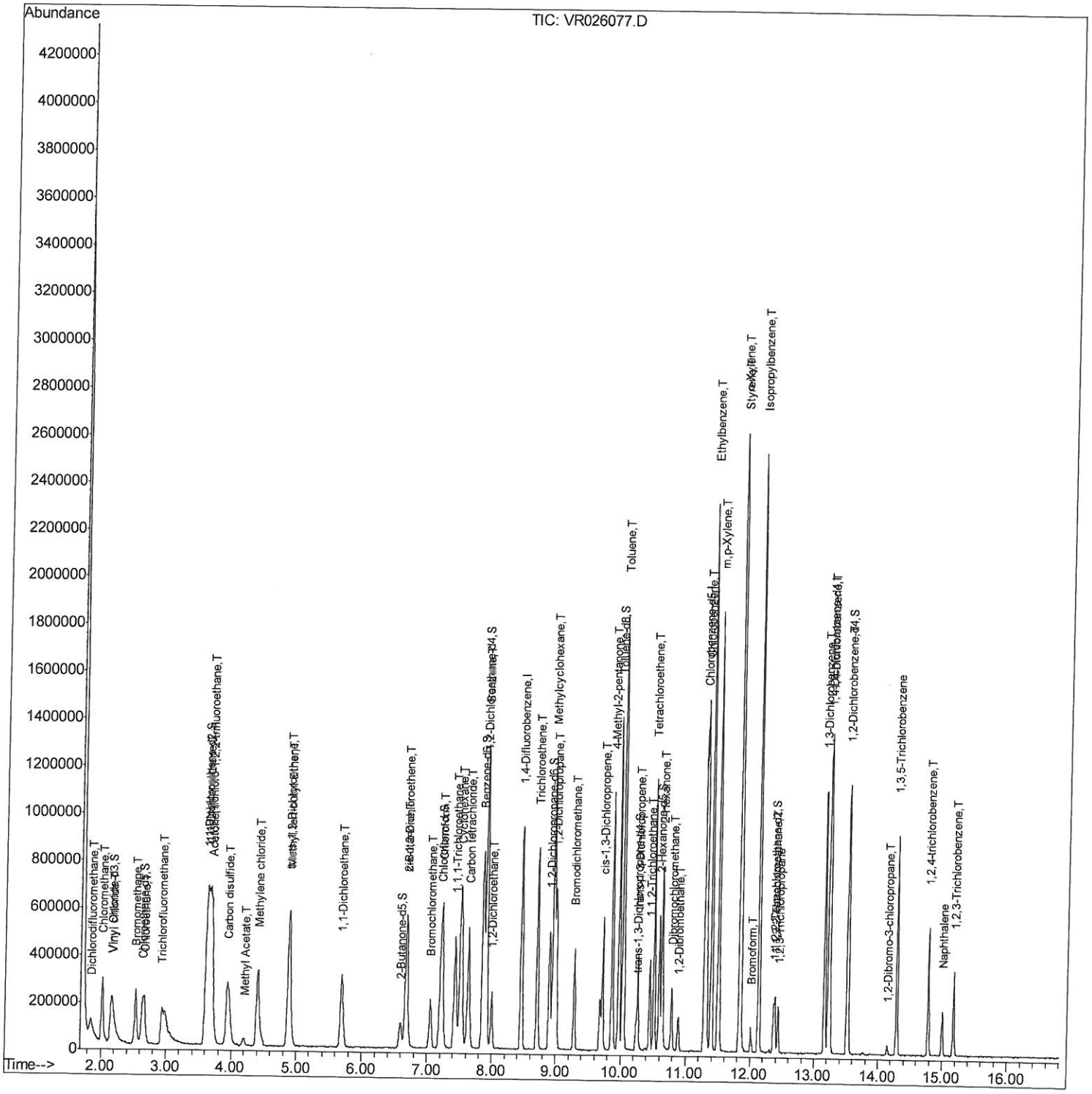
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101518\
Data File : VR026077.D
Acq On : 15 Oct 2018 17:20
Operator : SY/MD
Sample : VSTDICV005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 16 08:19:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 15 17:34:12 2018
Response via : Initial Calibration

Instrument :
MSVOA_R
ClientSampleId :
VICV87

Manual Integrations APPROVED
MMDadoda
10/16/2018 3:12:55 PM



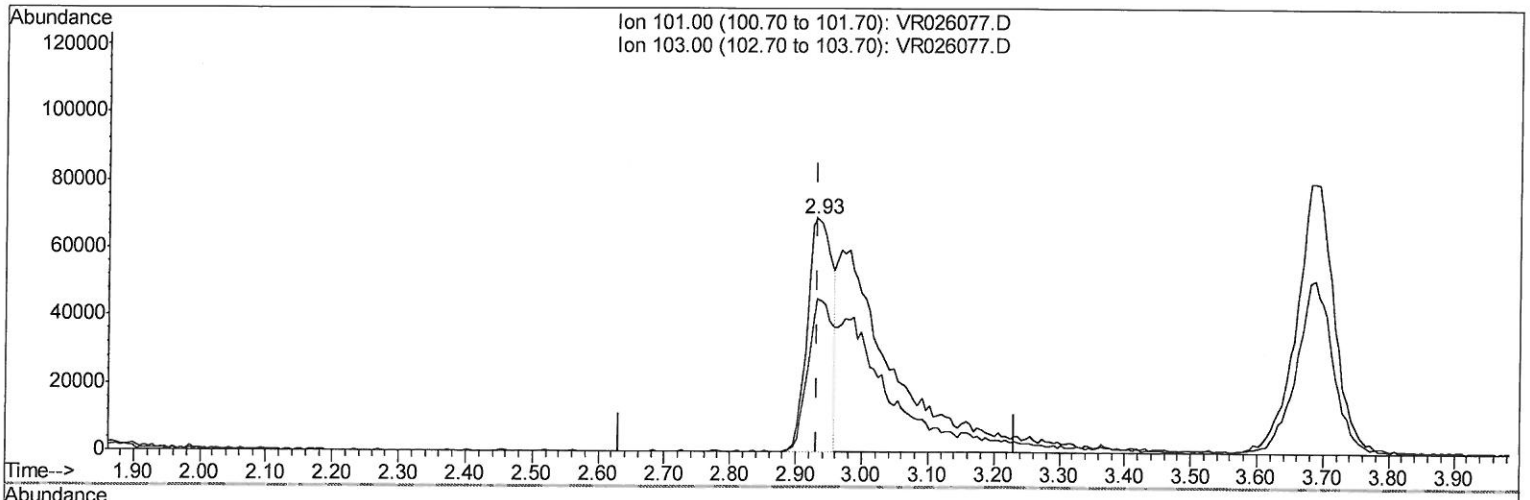
Quantitation Report (Qedit)

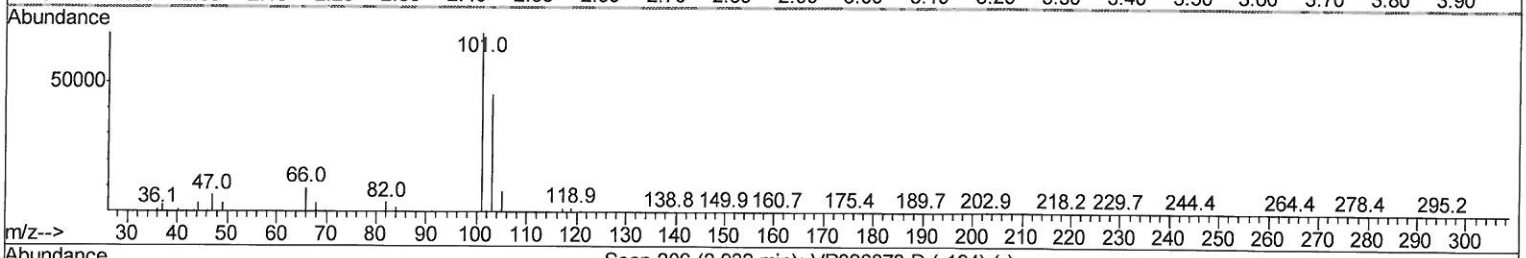
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101518\
Data File : VR026077.D
Acq On : 15 Oct 2018 17:20
Operator : SY/MD
Sample : VSTDICV005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

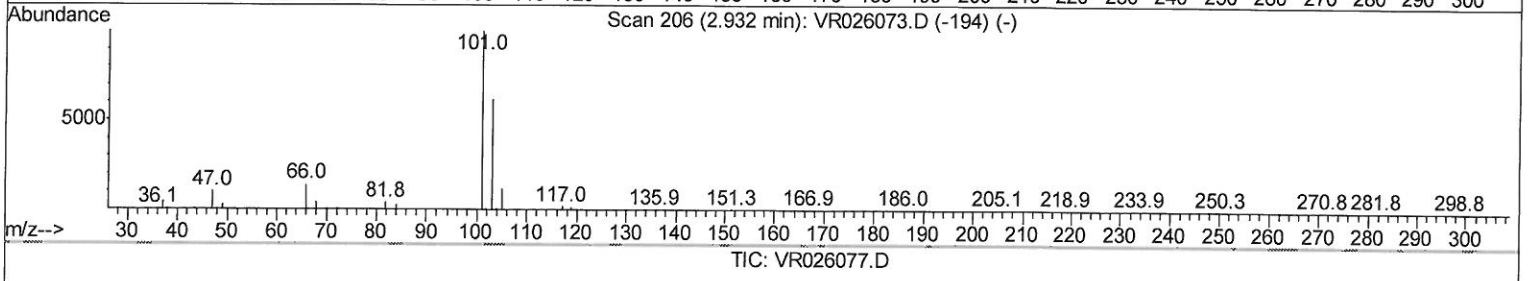
Quant Time: Oct 16 08:18:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 15 17:34:12 2018
Response via : Initial Calibration

Instrument :
MSVOA_R
ClientSampleId :
VICV87

Manual Integrations APPROVED
MMDadoda
10/16/2018 3:12:55 PM







(9) Trichlorofluoromethane (T)

2.932min (+0.000) 1.77ug/L

response 177756

Ion	Exp%	Act%
101.00	100	100
103.00	32.50	71.77#
0.00	0.00	0.00
0.00	0.00	0.00

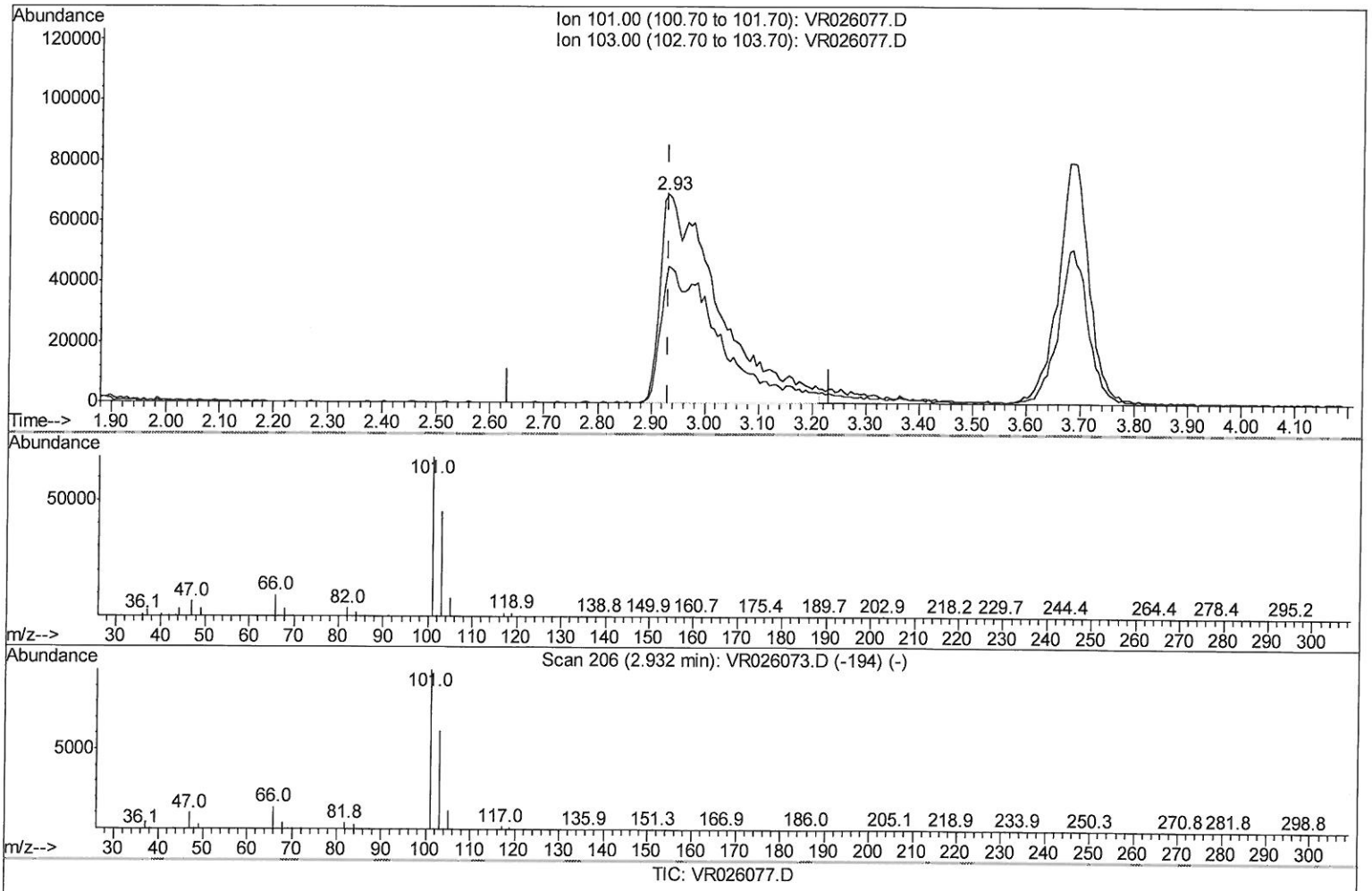
Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101518\
Data File : VR026077.D
Acq On : 15 Oct 2018 17:20
Operator : SY/MD
Sample : VSTDICV005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 16 08:18:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 15 17:34:12 2018
Response via : Initial Calibration

Instrument :
MSVOA_R
ClientSampleId :
VICV87

Manual Integrations APPROVED
MMDadoda
10/16/2018 3:12:55 PM



TIC: VR026077.D

(9) Trichlorofluoromethane (T)

2.932min (+0.000) 5.16ug/L m >10/16/18 SY

response 517593

Ion	Exp%	Act%
101.00	100	100
103.00	32.50	24.65#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101518\
Data File : VR026077.D
Acq On : 15 Oct 2018 17:20
Operator : SY/MD
Sample : VSTDICV005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VICV87

Manual Integrations APPROVED
MMDadoda
10/16/2018 3:12:55 PM

Quant Time: Oct 16 08:19:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 15 17:34:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	654166	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	562407	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	204707	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.16	65	260534	4.55	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 91.00%			
7) Chloroethane-d5	2.63	69	212354	4.31	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 86.20%			
11) 1,1-Dichloroethene-d2	3.62	63	653311	4.65	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 93.00%			
20) 2-Butanone-d5	6.59	46	207087	44.06	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 88.12%			
24) Chloroform-d	7.20	84	405621	4.46	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 89.20%			
26) 1,2-Dichloroethane-d4	7.89	65	168404	4.45	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 89.00%			
32) Benzene-d6	7.85	84	807160	4.47	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 89.40%			
36) 1,2-Dichloropropane-d6	8.90	67	206625	4.43	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 88.60%			
41) Toluene-d8	9.97	98	786855	4.61	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 92.20%			
43) trans-1,3-Dichloropropene-	10.24	79	54816	4.48	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 89.60%			
46) 2-Hexanone-d5	10.59	63	165470	46.82	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 93.64%			
57) 1,1,2,2-Tetrachloroethane-	12.36	84	80188	4.38	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 87.60%			
64) 1,2-Dichlorobenzene-d4	13.52	152	142082	4.39	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 87.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.84	85	208410	4.743	ug/L	94
3) Chloromethane	2.01	50	364289	5.221	ug/L	97
5) Vinyl chloride	2.17	62	349413	5.027	ug/L	98
6) Bromomethane	2.53	94	207564	4.521	ug/L	95
8) Chloroethane	2.67	64	203713	4.729	ug/L	94
9) Trichlorofluoromethane	2.93	101	517593m	5.158	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	316759	5.295	ug/L	97
12) 1,1-Dichloroethene	3.63	96	331455	5.210	ug/L	98
13) Acetone	3.70	43	243081	50.027	ug/L	98
14) Carbon disulfide	3.94	76	876088	5.268	ug/L	96
15) Methyl Acetate	4.20	43	60721	4.784	ug/L	96
16) Methylene chloride	4.40	84	271296	4.703	ug/L	96
17) Methyl tert-butyl Ether	4.89	73	269936	4.674	ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	241877	5.028	ug/L	96
19) 1,1-Dichloroethane	5.69	63	444102	4.917	ug/L	100
21) 2-Butanone	6.69	43	282472	50.392	ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	233631	5.134	ug/L #	96

10/16/18 SY

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101518\
Data File : VR026077.D
Acq On : 15 Oct 2018 17:20
Operator : SY/MD
Sample : VSTDICV005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VICV87

Manual Integrations APPROVED
MMDadoda
10/16/2018 3:12:55 PM

Quant Time: Oct 16 08:19:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 15 17:34:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
23) Bromochloromethane	7.05	128	63514	4.976 ug/L	93
25) Chloroform	7.23	83	439096	4.981 ug/L	99
27) 1,2-Dichloroethane	7.99	62	210542	4.880 ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	393687	5.123 ug/L	99
30) Cyclohexane	7.51	56	437348	5.669 ug/L	99
31) Carbon tetrachloride	7.63	117	366285	5.242 ug/L	100
33) Benzene	7.91	78	1071445	5.077 ug/L	100
34) Trichloroethene	8.71	95	281627	5.214 ug/L	96
35) Methylcyclohexane	8.95	83	449302	5.587 ug/L	100
37) 1,2-Dichloropropane	9.00	63	221242	4.969 ug/L	99
38) Bromodichloromethane	9.28	83	249456	5.210 ug/L #	97
39) cis-1,3-Dichloropropene	9.72	75	268100	5.261 ug/L	100
40) 4-Methyl-2-pentanone	9.87	43	685065	50.383 ug/L	100
42) Toluene	10.04	91	1155263	5.187 ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	180712	5.076 ug/L	95
45) 1,1,2-Trichloroethane	10.45	97	93492	4.978 ug/L	97
47) Tetrachloroethene	10.51	164	193614	5.020 ug/L	97
48) 2-Hexanone	10.63	43	463314	52.171 ug/L	99
49) Dibromochloromethane	10.79	129	109317	5.172 ug/L	94
50) 1,2-Dibromoethane	10.89	107	79144	4.878 ug/L #	84
51) Chlorobenzene	11.32	112	621486	5.040 ug/L	98
52) Ethylbenzene	11.39	91	1379106	5.385 ug/L	100
53) m,p-Xylene	11.50	106	502740	5.387 ug/L	97
54) o-Xylene	11.83	106	457934	5.353 ug/L	99
55) Styrene	11.84	104	711943	5.407 ug/L	96
56) Isopropylbenzene	12.13	105	1327198	5.586 ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	89638	4.696 ug/L	97
59) 1,2,3-Trichloropropane	12.43	75	66126	4.719 ug/L	99
61) Bromoform	12.01	173	37830	5.317 ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	353499	5.198 ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	358734	5.094 ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	274418	5.028 ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.15	75	9214	4.143 ug/L #	72
67) 1,3,5-Trichlorobenzene	14.29	180	203204	4.904 ug/L	100
68) 1,2,4-trichlorobenzene	14.79	180	119006	4.921 ug/L	99
69) Naphthalene	15.00	128	122231	5.204 ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	84394	5.024 ug/L	99

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