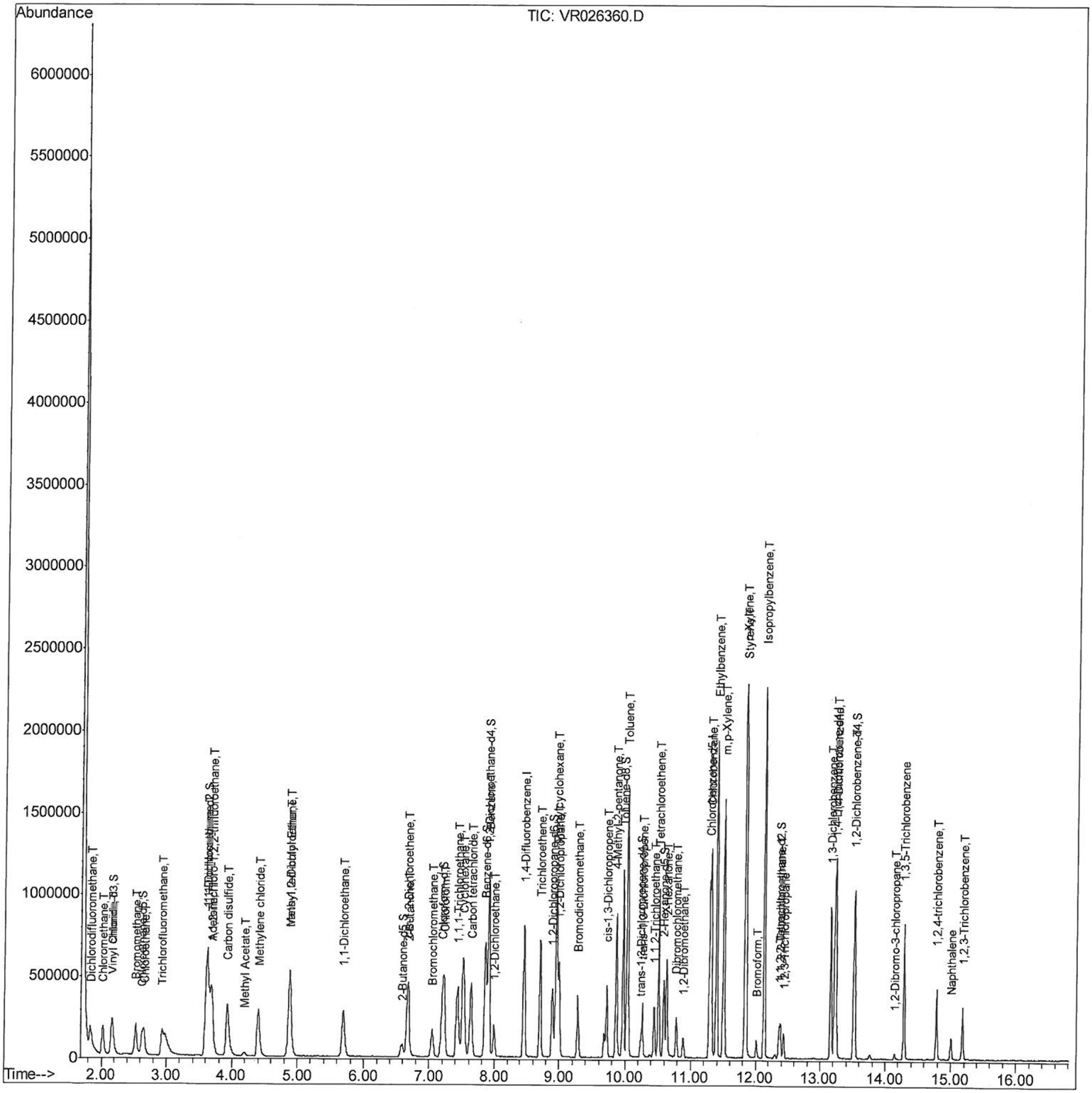
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR022119\
Quantitation Report (QT Reviewed)

Data File : VR026360.D
Acq On : 21 Feb 2019 14:39
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 22 06:35:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 22 06:18:00 2019
Response via : Initial Calibration

Instrument :
MSVOA_R
LabSampleId :
VSTD00599

Manual Integrations APPROVED
MMDadoda
2/22/2019 3:52:30 PM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR022119\

Quantitation Report (Qedit)

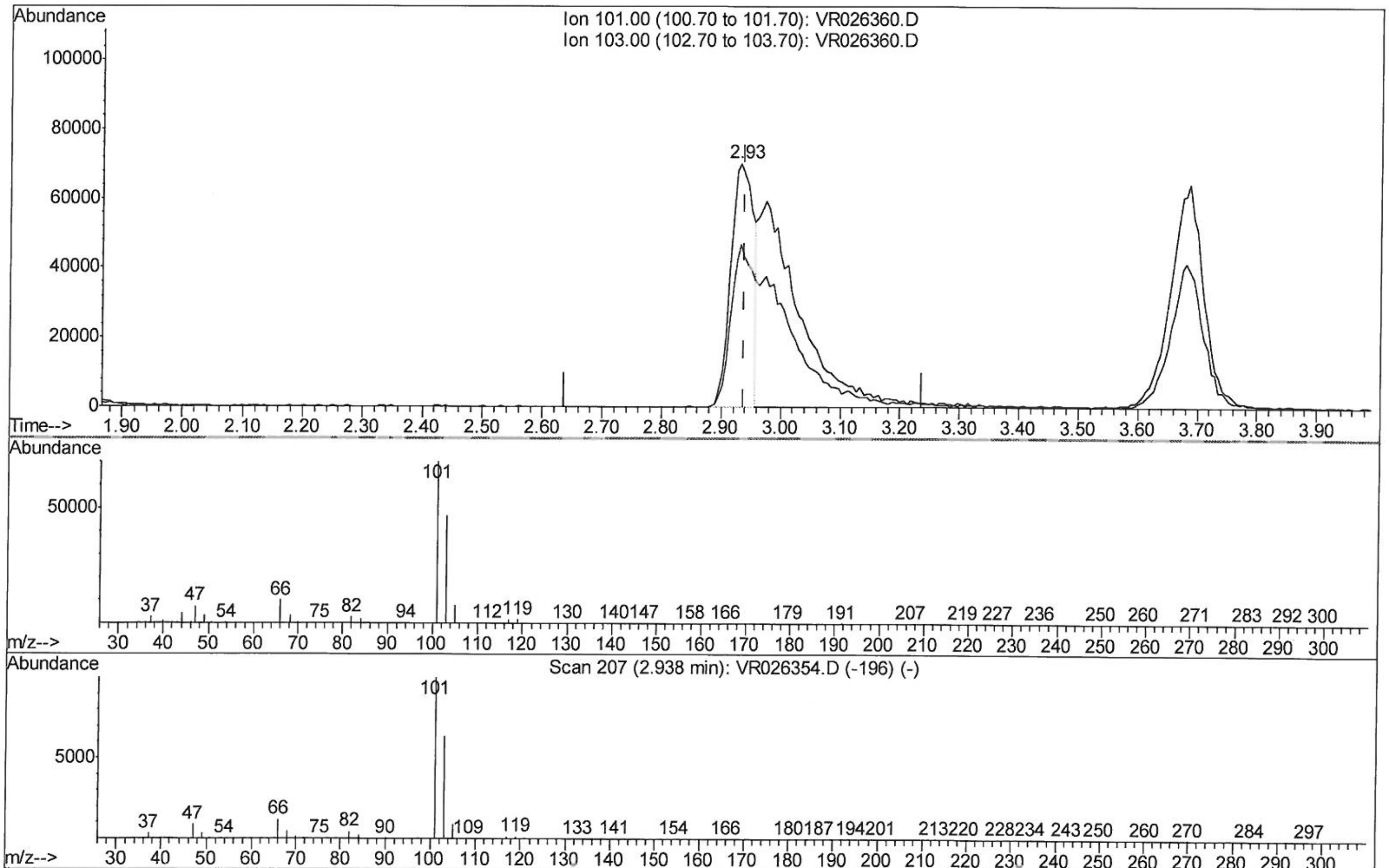
Data File : VR026360.D
Acq On : 21 Feb 2019 14:39
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 22 06:21:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 22 06:18:00 2019
Response via : Initial Calibration

Instrument :
MSVOA_R
LabSampleId :
VSTD00599

Manual Integrations APPROVED

MMDadoda
2/22/2019 3:52:30 PM



TIC: VR026360.D

(9) Trichlorofluoromethane (T)

2.932min (-0.006) 2.18ug/L

response 185769

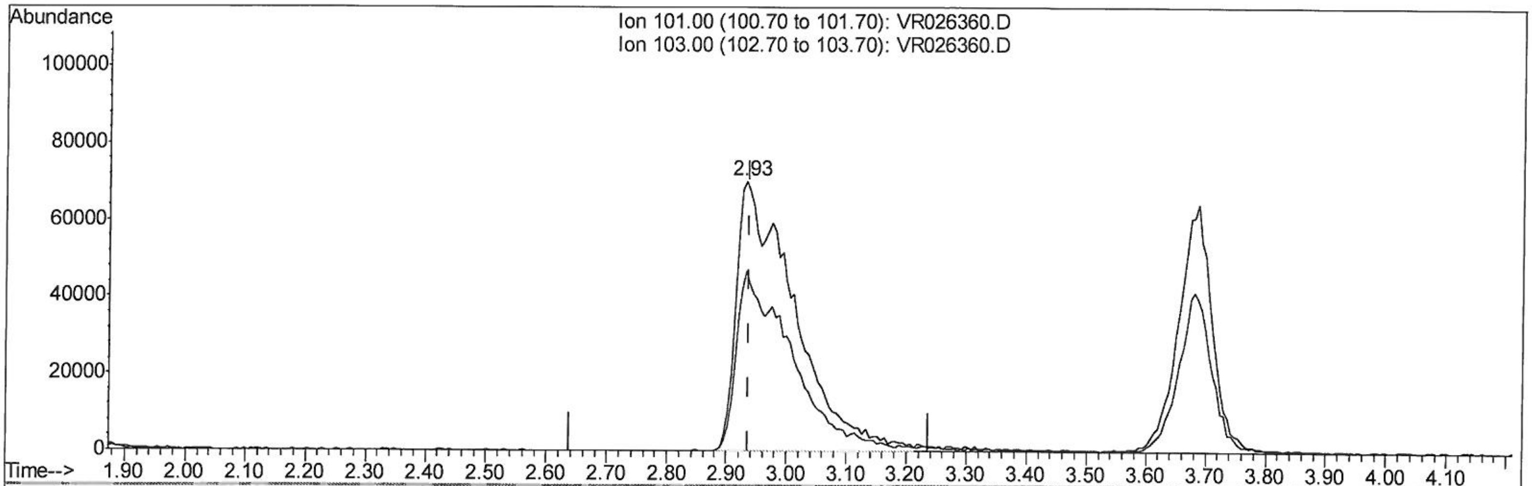
Ion	Exp%	Act%
101.00	100	100
103.00	28.60	72.03#
0.00	0.00	0.00
0.00	0.00	0.00

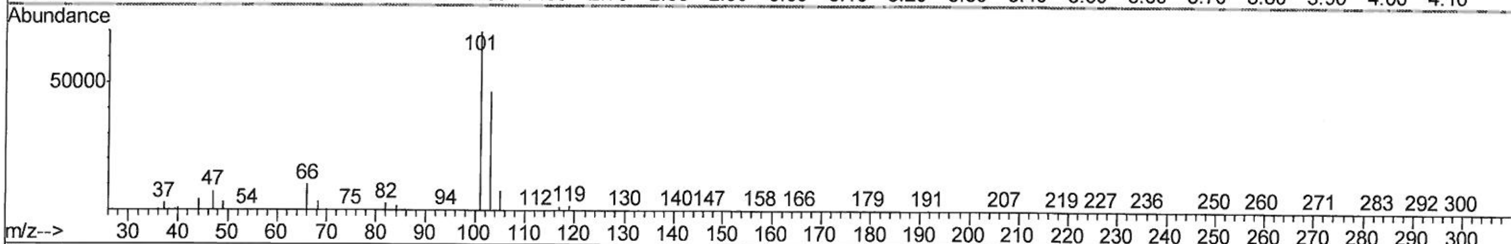
```
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR022119\
                                       Quantitation Report (Qedit)
Data File : VR026360.D
Acq On    : 21 Feb 2019  14:39
Operator  : SY/MD
Sample    : VSTDCCC005EC
Misc      : 25mL/MSVOA_R/WATER
ALS Vial  : 8   Sample Multiplier: 1

Quant Time: Feb 22 06:21:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021919WMA.M
Quant Title  : TRACE VOA SOM01.0
QLast Update : Fri Feb 22 06:18:00 2019
Response via : Initial Calibration
```

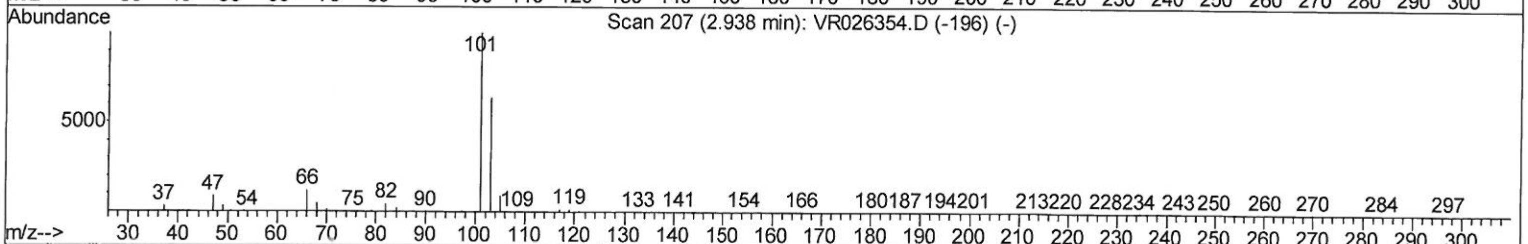
Instrument :
MSVOA_R
LabSampleId :
VSTD00599

Manual Integrations APPROVED

MMDadoda
2/22/2019 3:52:30 PM







TIC: VR026360.D

(9) Trichlorofluoromethane (T)

2.932min (-0.006) 5.52ug/L m 2/22/19 SY

response 469778

Ion	Exp%	Act%
101.00	100	100
103.00	28.60	28.48
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR022119\

Quantitation Report (QT Reviewed)

Data File : VR026360.D
Acq On : 21 Feb 2019 14:39
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_R
LabSampleId :
VSTD00599

Manual Integrations APPROVED

MMDadoda
2/22/2019 3:52:30 PM

Quant Time: Feb 22 06:35:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 22 06:18:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	563356	5.00 ug/L	0.00
28) Chlorobenzene-d5	11.28	117	477807	5.00 ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	193831	5.00 ug/L	0.00

System Monitoring Compounds

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
4) Vinyl Chloride-d3	2.16	65	176289	3.96 ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery	= 79.20%	
7) Chloroethane-d5	2.63	69	169986	4.37 ug/L	0.00
Spiked Amount 7.000	Range 65 - 130		Recovery	= 62.43%#	
11) 1,1-Dichloroethene-d2	3.61	63	515368	4.59 ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery	= 91.80%	
20) 2-Butanone-d5	6.58	46	143821	42.48 ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery	= 84.96%	
24) Chloroform-d	7.20	84	366182	4.51 ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery	= 90.20%	
26) 1,2-Dichloroethane-d4	7.89	65	133618	4.43 ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	= 88.60%	
32) Benzene-d6	7.85	84	698957	4.64 ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery	= 92.80%	
36) 1,2-Dichloropropane-d6	8.89	67	174647	4.53 ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery	= 90.60%	
41) Toluene-d8	9.97	98	666998	4.80 ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	= 96.00%	
43) trans-1,3-Dichloropropene-	10.23	79	42066	4.03 ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery	= 80.60%	
46) 2-Hexanone-d5	10.59	63	135697	51.92 ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery	= 103.84%	
57) 1,1,2,2-Tetrachloroethane-	12.36	84	70235	4.56 ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery	= 91.20%	
64) 1,2-Dichlorobenzene-d4	13.52	152	129660	4.29 ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery	= 85.80%	

Target Compounds

Compound	R.T.	QIon	Response	Conc Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	224679	5.381 ug/L	97
3) Chloromethane	2.02	50	258615	4.696 ug/L	95
5) Vinyl chloride	2.17	62	261312	4.930 ug/L	99
6) Bromomethane	2.52	94	174792	4.910 ug/L	99
8) Chloroethane	2.66	64	168924	5.083 ug/L	98
9) Trichlorofluoromethane	2.93	101	469778m	5.523 ug/L	02/22/19 SY
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	250394	5.561 ug/L	98
12) 1,1-Dichloroethene	3.62	96	255093	5.262 ug/L	93
13) Acetone	3.69	43	165737	46.525 ug/L	96
14) Carbon disulfide	3.93	76	767509	5.097 ug/L	96
15) Methyl Acetate	4.19	43	42381	4.300 ug/L	94
16) Methylene chloride	4.40	84	205554	4.524 ug/L	91
17) Methyl tert-butyl Ether	4.89	73	218012	4.546 ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	232931	5.159 ug/L	97
19) 1,1-Dichloroethane	5.69	63	397697	5.047 ug/L	97
21) 2-Butanone	6.69	43	208579	49.441 ug/L	100
22) cis-1,2-Dichloroethene	6.67	96	206852	5.398 ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR022119\

Quantitation Report (QT Reviewed)

Data File : VR026360.D
Acq On : 21 Feb 2019 14:39
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_R
LabSampleId :
VSTD00599

Manual Integrations APPROVED

MMDadoda
2/22/2019 3:52:30 PM

Quant Time: Feb 22 06:35:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 22 06:18:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	58874	4.982	ug/L	91
25) Chloroform	7.23	83	393357	5.071	ug/L	97
27) 1,2-Dichloroethane	7.99	62	172558	4.950	ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	375654	5.333	ug/L	98
30) Cyclohexane	7.51	56	346850	6.340	ug/L	99
31) Carbon tetrachloride	7.63	117	346317	5.371	ug/L	99
33) Benzene	7.90	78	935745	5.445	ug/L	100
34) Trichloroethene	8.71	95	234816	5.375	ug/L	98
35) Methylcyclohexane	8.95	83	370948	6.400	ug/L	99
37) 1,2-Dichloropropane	8.99	63	194380	5.176	ug/L	99
38) Bromodichloromethane	9.28	83	218896	5.184	ug/L	96
39) cis-1,3-Dichloropropene	9.72	75	212580	5.364	ug/L	100
40) 4-Methyl-2-pentanone	9.86	43	533934	54.470	ug/L	99
42) Toluene	10.03	91	1016638	5.809	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	155674	5.310	ug/L	95
45) 1,1,2-Trichloroethane	10.44	97	80292	5.011	ug/L	96
47) Tetrachloroethene	10.51	164	182201	5.622	ug/L	97
48) 2-Hexanone	10.63	43	354674	52.657	ug/L	97
49) Dibromochloromethane	10.78	129	106944	5.107	ug/L	99
50) 1,2-Dibromoethane	10.88	107	67199	5.123	ug/L #	98
51) Chlorobenzene	11.31	112	543964	5.315	ug/L	99
52) Ethylbenzene	11.39	91	1180960	6.064	ug/L	99
53) m,p-Xylene	11.50	106	437151	6.153	ug/L	97
54) o-Xylene	11.83	106	385841	6.203	ug/L	98
55) Styrene	11.84	104	603265	6.125	ug/L	98
56) Isopropylbenzene	12.13	105	1158362	6.613	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.39	83	78465	5.161	ug/L	98
59) 1,2,3-Trichloropropane	12.43	75	54633	5.021	ug/L	97
61) Bromoform	12.01	173	42611	4.811	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	307948	5.305	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	342142	5.075	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	259629	5.172	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	7954	4.148	ug/L	89
67) 1,3,5-Trichlorobenzene	14.29	180	198053	5.222	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	102132	4.958	ug/L	97
69) Naphthalene	15.00	128	87945	4.494	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	80853	5.142	ug/L	96

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