

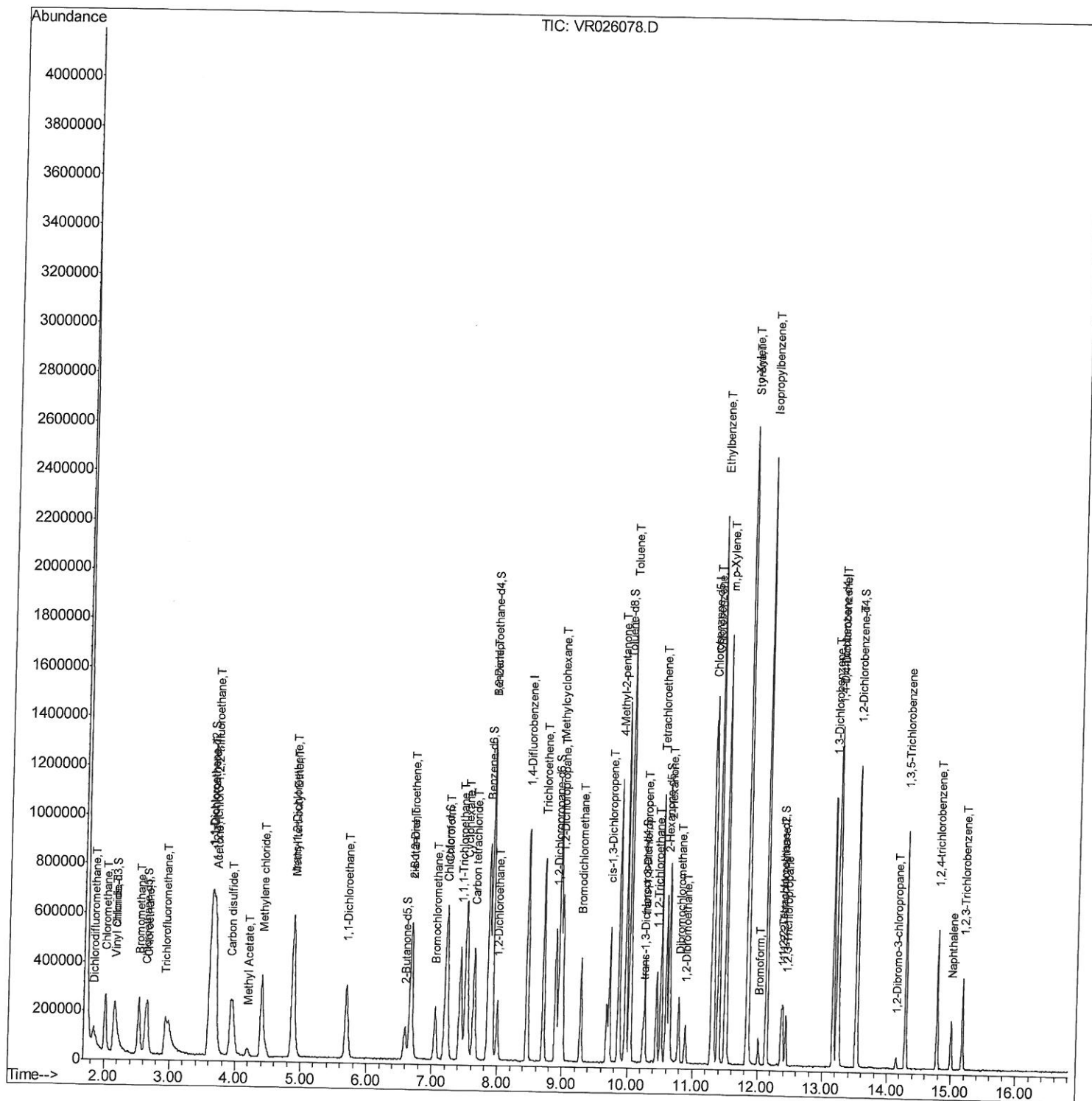
Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101518\
Data File : VR026078.D
Acq On : 15 Oct 2018 17:53
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
LabSampleId :
VSTD00588

Manual Integrations
APPROVED

MMDadoda
10/16/2018 3:12:56 PM

Quant Time: Oct 16 08:22:35 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



Quantitation Report (Qedit)

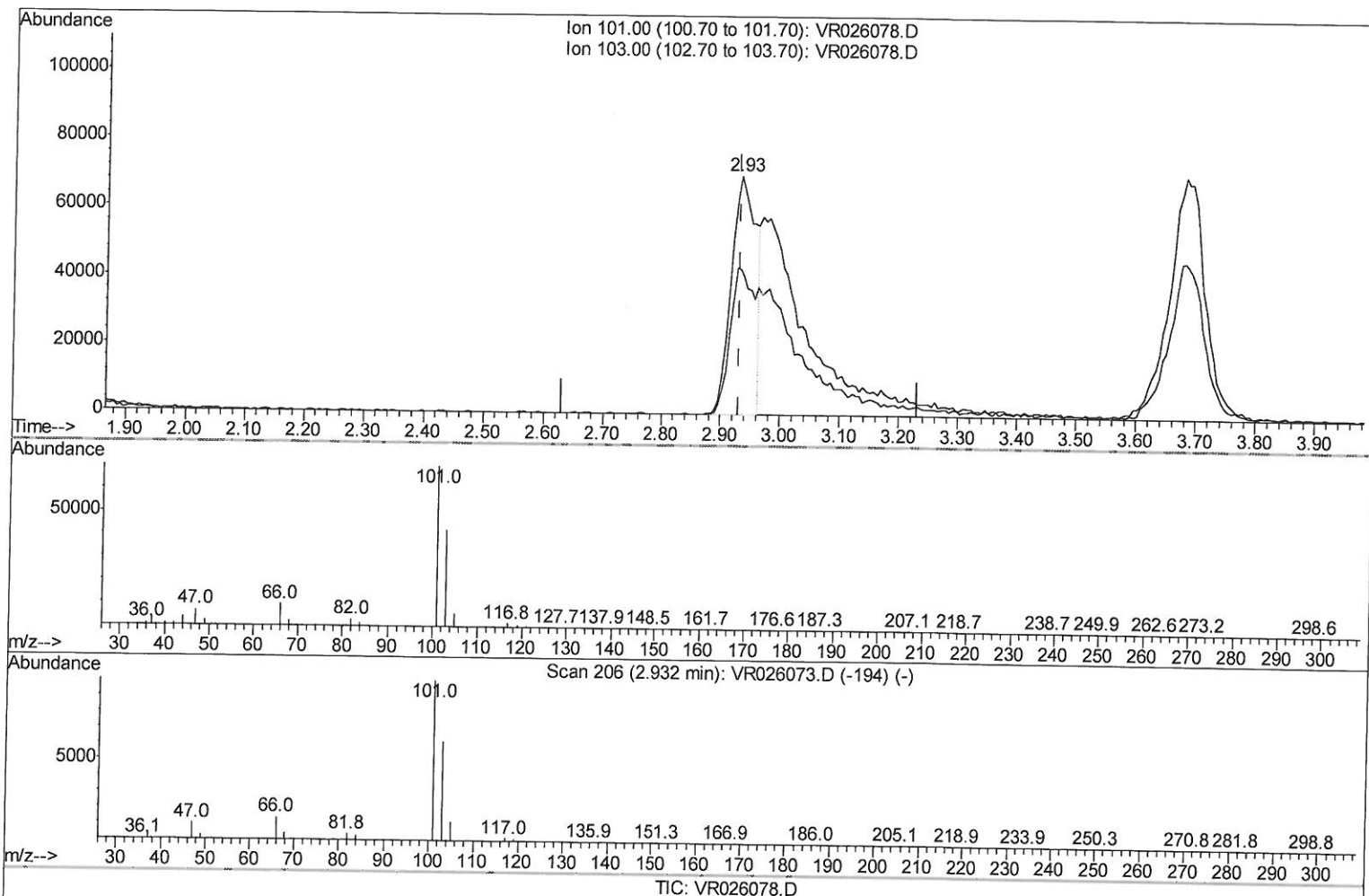
Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101518\
 Data File : VR026078.D
 Acq On : 15 Oct 2018 17:53
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_R
LabSampleId :
 VSTD00588

Manual Integrations
APPROVED

MMDadoda
 10/16/2018 3:12:56 PM

Quant Time: Oct 16 08:18:46 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



(9) Trichlorofluoromethane (T)

2.932min (+0.000) 1.95ug/L

response 202815

Ion	Exp%	Act%
101.00	100	100
103.00	32.50	56.20#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

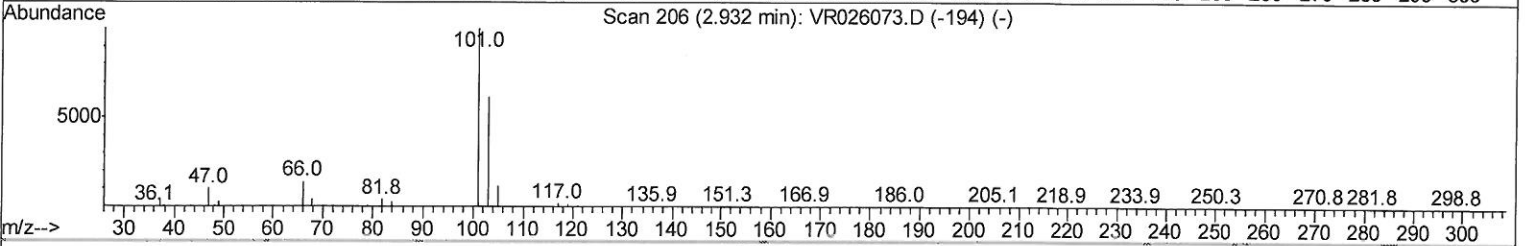
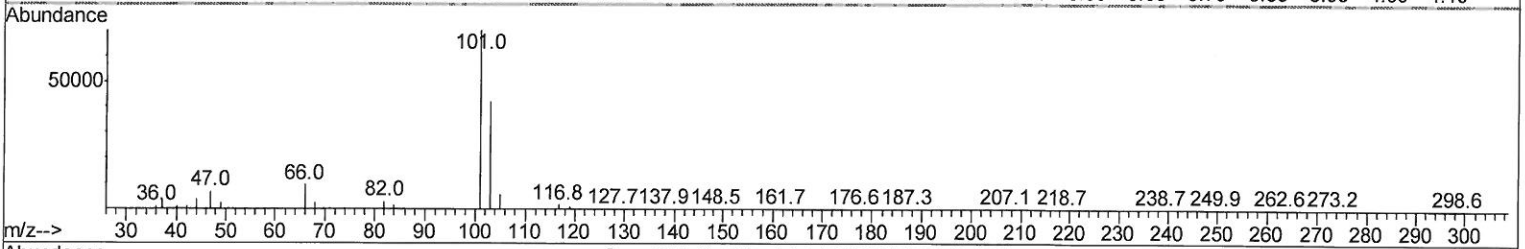
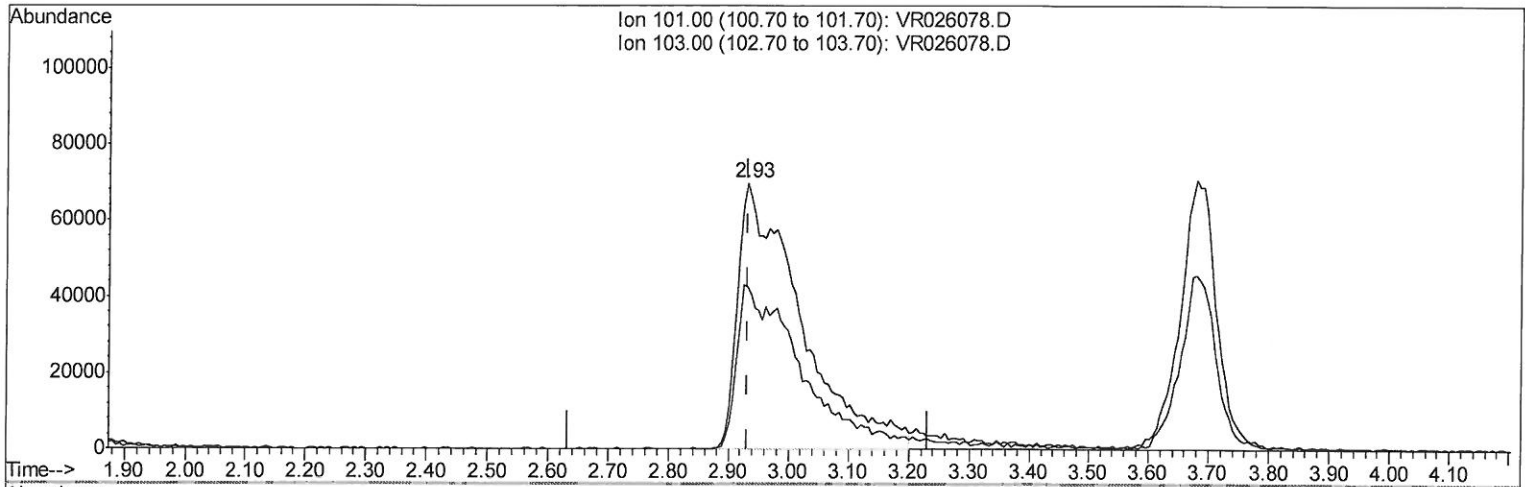
Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101518\
 Data File : VR026078.D
 Acq On : 15 Oct 2018 17:53
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_R
LabSampleId :
 VSTD00588

Manual Integrations
APPROVED

MMDadoda
 10/16/2018 3:12:56 PM

Quant Time: Oct 16 08:18:46 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



Scan 206 (2.932 min): VR026073.D (-194) (-)

TIC: VR026078.D

(9) Trichlorofluoromethane (T)

2.932min (+0.000) 4.83ug/L m

response 503004

Ion	Exp%	Act%
101.00	100	100
103.00	32.50	22.66#
0.00	0.00	0.00
0.00	0.00	0.00

5/10/16/18/24

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101518\
 Data File : VR026078.D
 Acq On : 15 Oct 2018 17:53
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_R
 LabSampleId :
 VSTD00588

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 3:12:56 PM

Quant Time: Oct 16 08:22:35 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	679228	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	579226	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	219150	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	267725	4.50	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	90.00%		
7) Chloroethane-d5	2.63	69	223883	4.38	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	87.60%		
11) 1,1-Dichloroethene-d2	3.63	63	651612	4.46	ug/L	0.01
Spiked Amount 5.000	Range 60 - 125		Recovery =	89.20%		
20) 2-Butanone-d5	6.59	46	239609	49.10	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	98.20%		
24) Chloroform-d	7.20	84	431035	4.56	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	91.20%		
26) 1,2-Dichloroethane-d4	7.90	65	184033	4.68	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	93.60%		
32) Benzene-d6	7.85	84	852484	4.58	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	91.60%		
36) 1,2-Dichloropropane-d6	8.90	67	221186	4.60	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	92.00%		
41) Toluene-d8	9.97	98	831218	4.73	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	94.60%		
43) trans-1,3-Dichloropropene-	10.24	79	59916	4.76	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	95.20%		
46) 2-Hexanone-d5	10.59	63	196074	53.87	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	107.74%		
57) 1,1,2,2-Tetrachloroethane-	12.36	84	91216	4.84	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	96.80%		
64) 1,2-Dichlorobenzene-d4	13.52	152	161754	4.67	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	93.40%		

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	200077	4.385	ug/L 96
3) Chloromethane	2.01	50	341488	4.713	ug/L 96
5) Vinyl chloride	2.16	62	327010	4.531	ug/L 97
6) Bromomethane	2.53	94	209722	4.400	ug/L 96
8) Chloroethane	2.66	64	207839	4.647	ug/L 97
9) Trichlorofluoromethane	2.93	101	503004m	4.827	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	291280	4.689	ug/L 99
12) 1,1-Dichloroethene	3.63	96	310719	4.704	ug/L 92
13) Acetone	3.69	43	246102	48.780	ug/L 96
14) Carbon disulfide	3.94	76	831828	4.817	ug/L 99
15) Methyl Acetate	4.19	43	64063	4.861	ug/L 99
16) Methylene chloride	4.40	84	273738	4.570	ug/L 95
17) Methyl tert-butyl Ether	4.90	73	296093	4.938	ug/L 97
18) trans-1,2-Dichloroethene	4.88	96	238506	4.775	ug/L 99
19) 1,1-Dichloroethane	5.69	63	449514	4.793	ug/L 99
21) 2-Butanone	6.69	43	292026	50.175	ug/L 97
22) cis-1,2-Dichloroethene	6.68	96	234303	4.959	ug/L # 99

10/16/18 sy

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101518\
 Data File : VR026078.D
 Acq On : 15 Oct 2018 17:53
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_R
 LabSampleId :
 VSTD00588

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 3:12:56 PM

Quant Time: Oct 16 08:22:35 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	7.04	128	63802	4.814	ug/L	86
25) Chloroform	7.23	83	437805	4.783	ug/L	97
27) 1,2-Dichloroethane	7.99	62	215452	4.809	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	383370	4.844	ug/L	99
30) Cyclohexane	7.51	56	409053	5.149	ug/L	98
31) Carbon tetrachloride	7.64	117	348729	4.846	ug/L	98
33) Benzene	7.91	78	1052541	4.843	ug/L	100
34) Trichloroethene	8.71	95	270647	4.865	ug/L	96
35) Methylcyclohexane	8.95	83	420116	5.073	ug/L	98
37) 1,2-Dichloropropane	9.00	63	222088	4.843	ug/L	99
38) Bromodichloromethane	9.28	83	248139	5.032	ug/L	96
39) cis-1,3-Dichloropropene	9.72	75	268020	5.107	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	738521	52.738	ug/L	99
42) Toluene	10.04	91	1139067	4.966	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	188294	5.135	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	94770	4.900	ug/L	93
47) Tetrachloroethene	10.51	164	181934	4.580	ug/L	96
48) 2-Hexanone	10.63	43	487962	53.351	ug/L	99
49) Dibromochloromethane	10.79	129	113944	5.235	ug/L	99
50) 1,2-Dibromoethane	10.89	107	84507	5.057	ug/L	91
51) Chlorobenzene	11.32	112	620717	4.888	ug/L	98
52) Ethylbenzene	11.39	91	1331855	5.049	ug/L	100
53) m,p-Xylene	11.50	106	485947	5.056	ug/L	99
54) o-Xylene	11.83	106	447721	5.081	ug/L	98
55) Styrene	11.84	104	704048	5.191	ug/L	98
56) Isopropylbenzene	12.13	105	1274785	5.209	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.39	83	92734	4.717	ug/L	94
59) 1,2,3-Trichloropropane	12.43	75	70194	4.864	ug/L	100
61) Bromoform	12.01	173	36742	4.823	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	355925	4.889	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	362471	4.807	ug/L	94
65) 1,2-Dichlorobenzene	13.53	146	284592	4.871	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.15	75	10190	4.280	ug/L #	93
67) 1,3,5-Trichlorobenzene	14.29	180	210182	4.738	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	126121	4.871	ug/L	99
69) Naphthalene	15.00	128	126510	5.032	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	87653	4.874	ug/L	98

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