

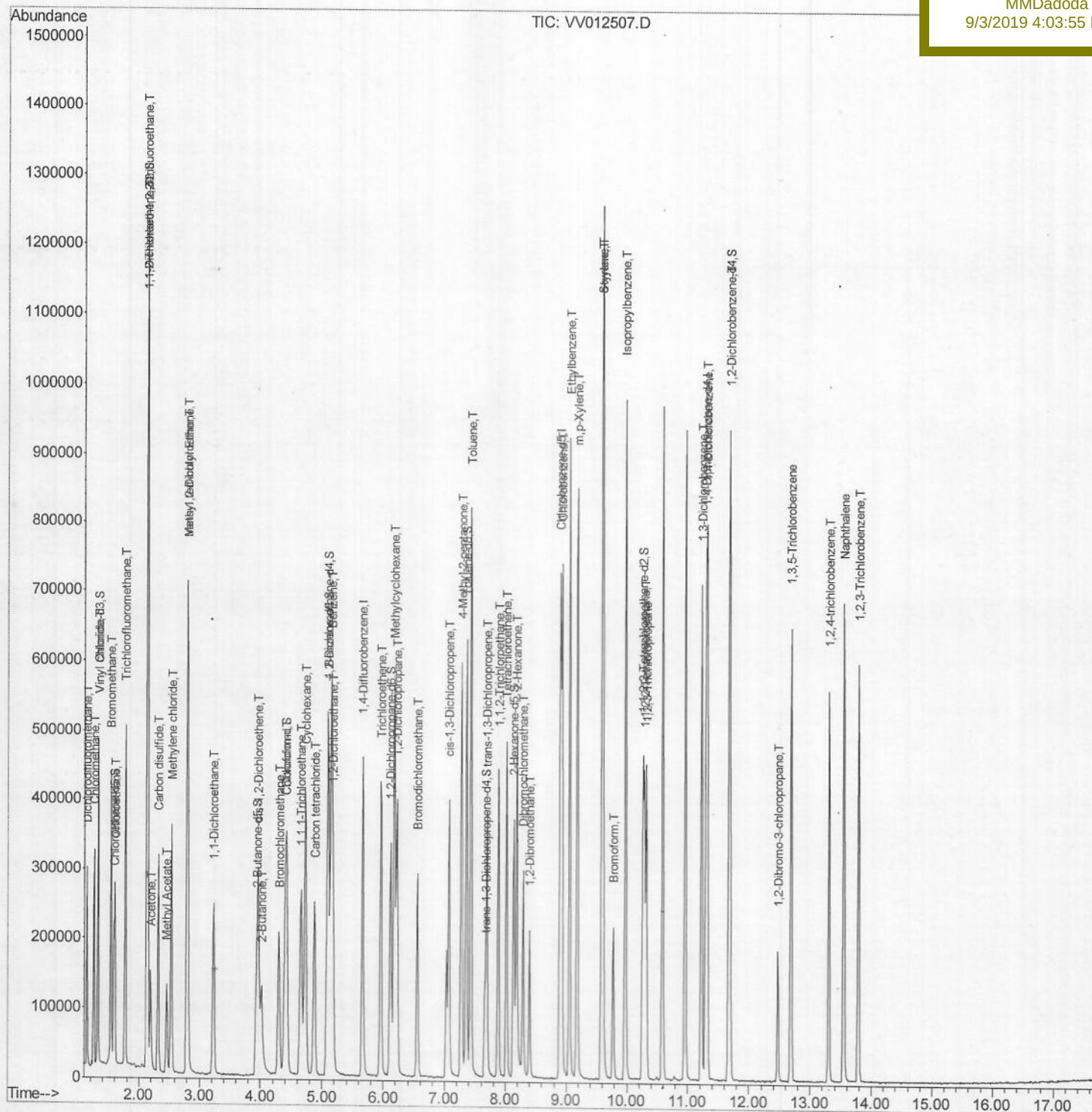
Data File : VV012507.D
Acq On : 01 Sep 2019 13:48
Operator : SY/MD
Sample : VSTDICV050
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 02 04:25:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090119WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 02 04:16:56 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VICV61

Manual Integrations APPROVED

MMDadoda
9/3/2019 4:03:55 PM



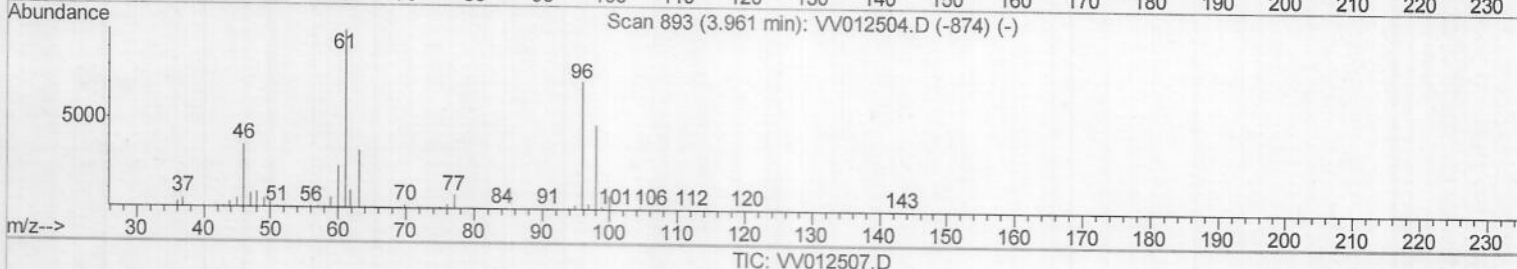
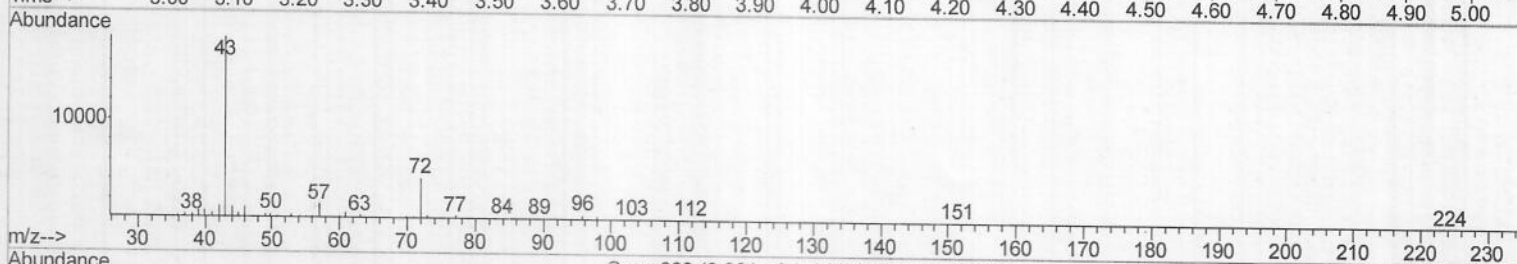
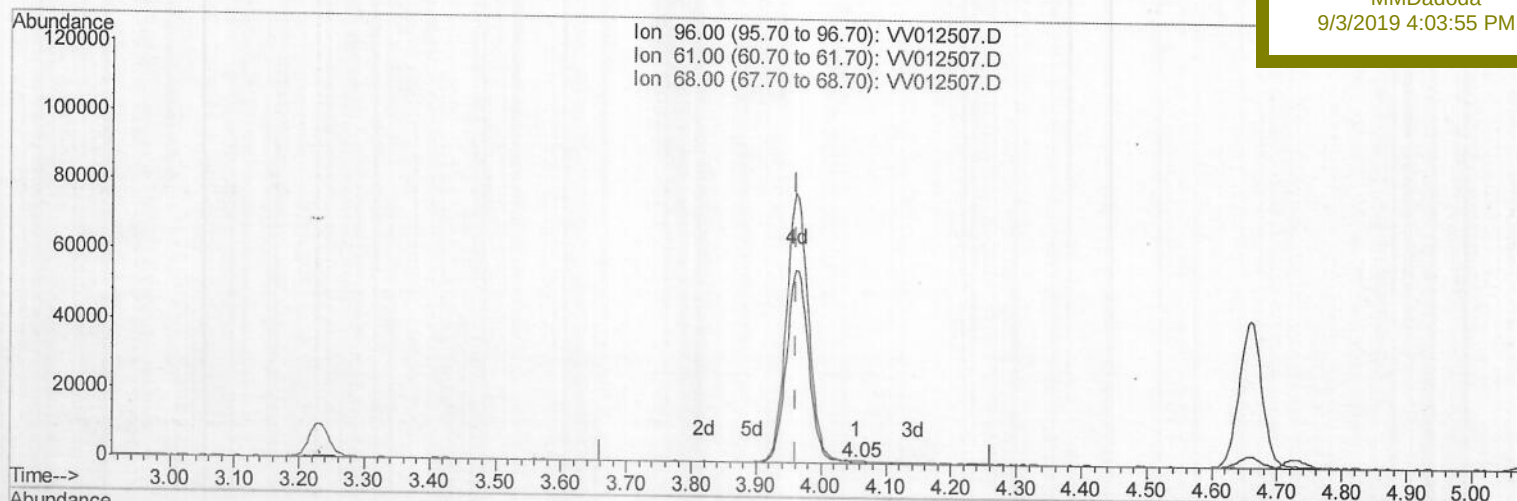
Data File : VV012507.D
Acq On : 01 Sep 2019 13:48
Operator : SY/MD
Sample : VSTDICV050
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV61

Quant Time: Sep 02 04:19:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090119WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 02 04:16:56 2019
Response via : Initial Calibration

Manual Integrations
APPROVED

MMDadoda
9/3/2019 4:03:55 PM



(20) cis-1,2-Dichloroethene (T)

4.055min (+0.093) 0.06ug/L

response 180

Ion	Exp%	Act%
96.00	100	100
61.00	139.70	121.38
68.00	0.00	0.00
0.00	0.00	0.00

TIC: VV012507.D

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090119\

Quantitation Report (Qedit)

Data File : VV012507.D

Acq On : 01 Sep 2019 13:48

Operator : SY/MD

Sample : VSTDICV050

Misc : 5mL/MSVOA_V/WATER

ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 02 04:19:27 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090119WMA.M

Quant Title : VOC Analysis

QLast Update : Mon Sep 02 04:16:56 2019

Response via : Initial Calibration

Instrument :

MSVOA_V

ClientSampleId :

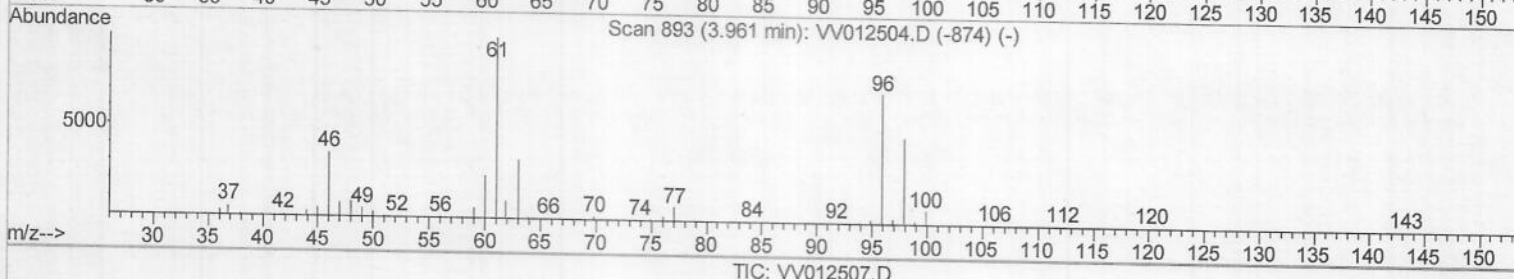
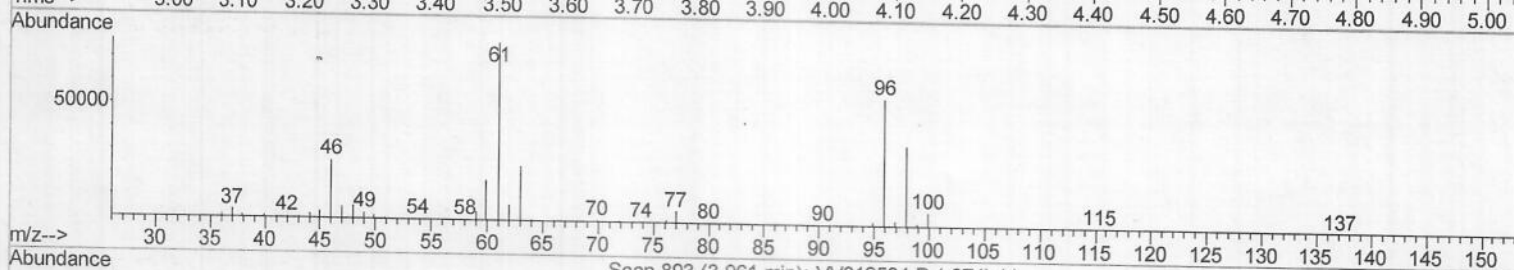
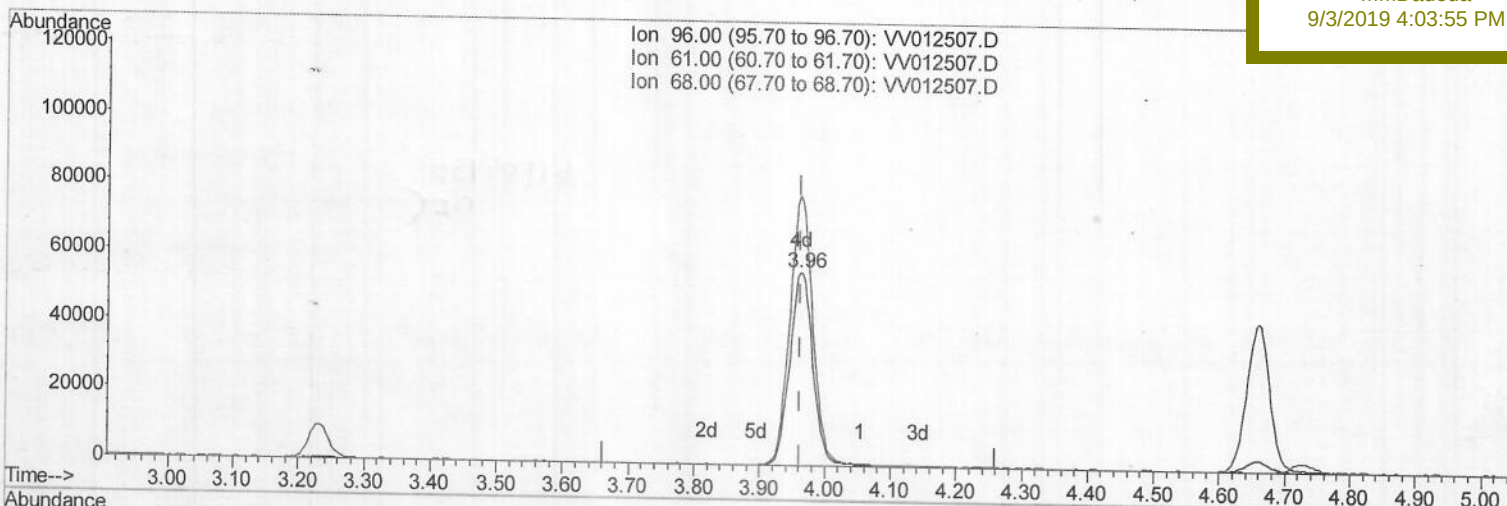
VICV61

Manual Integrations

APPROVED

MMDadoda

9/3/2019 4:03:55 PM



TIC: VV012507.D

(20) cis-1,2-Dichloroethene (T)

3.962min (+0.000) 47.75ug/L m 3 MD 09/07/19

response 135901

Ion	Exp%	Act%
-----	------	------

96.00	100	100
-------	-----	-----

61.00	139.70	140.01
-------	--------	--------

68.00	0.00	0.20#
-------	------	-------

0.00	0.00	0.00
------	------	------

Quantitation Report (QT Reviewed)

Data File : VV012507.D

Acq On : 01 Sep 2019 13:48

Operator : SY/MD

Sample : VSTDICV050

Misc : 5mL/MSVOA_V/WATER

ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 02 04:25:18 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090119WMA.M

Quant Title : VOC Analysis

QLast Update : Mon Sep 02 04:16:56 2019

Response via : Initial Calibration

Instrument :

MSVOA_V

Client Sampled :

VICV61

Manual Integrations

APPROVED

MMDadoda

9/3/2019 4:03:55 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Difluorobenzene	5.66	114	361201	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	344355	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	165487	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	111831	46.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.62%
7) Chloroethane-d5	1.58	69	121378	46.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.42%
11) 1,1-Dichloroethene-d2	2.13	63	302646	46.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.10%
21) 2-Butanone-d5	3.93	46	199135	99.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.06%
24) Chloroform-d	4.40	84	237067	47.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.08	65	155494	48.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.48%
32) Benzene-d6	5.10	84	410844	50.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.78%
36) 1,2-Dichloropropane-d6	6.12	67	145930	49.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.86%
41) Toluene-d8	7.36	98	391221	51.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.60%
43) trans-1,3-Dichloropropene-	7.66	79	66192	50.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.14%
47) 2-Hexanone-d5	8.13	63	117056	101.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.02%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	207736	49.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.90%
64) 1,2-Dichlorobenzene-d4	11.67	152	156863	48.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.82%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.14	85	136108	45.370	ug/L	100
3) Chloromethane	1.25	50	175462	45.932	ug/L	99
5) Vinyl chloride	1.32	62	185974	46.439	ug/L	99
6) Bromomethane	1.53	94	155228	46.864	ug/L	99
8) Chloroethane	1.60	64	130884	44.317	ug/L	100
9) Trichlorofluoromethane	1.77	101	272061	45.674	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	155837	44.753	ug/L	100
12) 1,1-Dichloroethene	2.14	96	146683	44.154	ug/L	97
13) Acetone	2.19	43	160614	75.080	ug/L	99
14) Carbon disulfide	2.32	76	341448	47.583	ug/L	99
15) Methyl Acetate	2.46	43	150871	47.250	ug/L	99
16) Methylene chloride	2.54	84	133139	45.856	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	120218	46.518	ug/L	100
18) Methyl tert-butyl Ether	2.80	73	385706	48.754	ug/L	99
19) 1,1-Dichloroethane	3.23	63	243096	46.629	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	135901m	47.749	ug/L	98
22) 2-Butanone	4.02	43	208099	87.141	ug/L	98

Quantitation Report (QT Reviewed)

Data File : VV012507.D

Acq On : 01 Sep 2019 13:48

Operator : SY/MD

Sample : VSTDICV050

Misc : 5mL/MSVOA_V/WATER

ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 02 04:25:18 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090119WMA.M

Quant Title : VOC Analysis

QLast Update : Mon Sep 02 04:16:56 2019

Response via : Initial Calibration

Instrument :

MSVOA_V

ClientSampleId :

VICV61

Manual Integrations

APPROVED

MMDadoda

9/3/2019 4:03:55 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
23) Bromochloromethane	4.30	128	64472	45.577	ug/L	95
25) Chloroform	4.43	83	244825	45.705	ug/L	98
27) 1,2-Dichloroethane	5.18	62	212149	47.353	ug/L	98
29) Cyclohexane	4.73	56	217753	51.122	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	198814	48.098	ug/L	99
31) Carbon tetrachloride	4.88	117	172668	48.262	ug/L	98
33) Benzene	5.15	78	521450	48.273	ug/L	100
34) Trichloroethene	5.96	95	138831	47.595	ug/L	95
35) Methylcyclohexane	6.18	83	215090	50.508	ug/L	99
37) 1,2-Dichloropropane	6.22	63	139939	47.340	ug/L	99
38) Bromodichloromethane	6.55	83	184547	47.697	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	216179	52.069	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	416603	102.815	ug/L	99
42) Toluene	7.43	91	559141	49.545	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	191457	51.660	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	126617	47.140	ug/L	98
46) Tetrachloroethene	8.02	164	94863	47.727	ug/L	99
48) 2-Hexanone	8.18	43	335303	106.295	ug/L	98
49) Dibromochloromethane	8.29	129	133111	48.320	ug/L	98
50) 1,2-Dibromoethane	8.40	107	132587	49.330	ug/L	100
51) Chlorobenzene	8.92	112	340807	47.737	ug/L	100
52) Ethylbenzene	9.05	91	615914	50.154	ug/L	99
53) m,p-Xylene	9.18	106	222232	50.608	ug/L	96
54) o-xylene	9.59	106	221941	51.660	ug/L	99
55) Styrene	9.60	104	382958	52.075	ug/L	98
56) Isopropylbenzene	9.97	105	586780	51.211	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	196000	48.388	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	165053	46.900	ug/L	99
61) Bromoform	9.77	173	85532	46.077	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	257960	49.583	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	259632	47.891	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	257369	48.106	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	42317	44.840	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	179082	51.046	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	150957	54.864	ug/L	96
69) Naphthalene	13.55	128	485737	60.696	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	161117	56.200	ug/L	100

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