Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032319\

Quantitation Report (QT Reviewed)

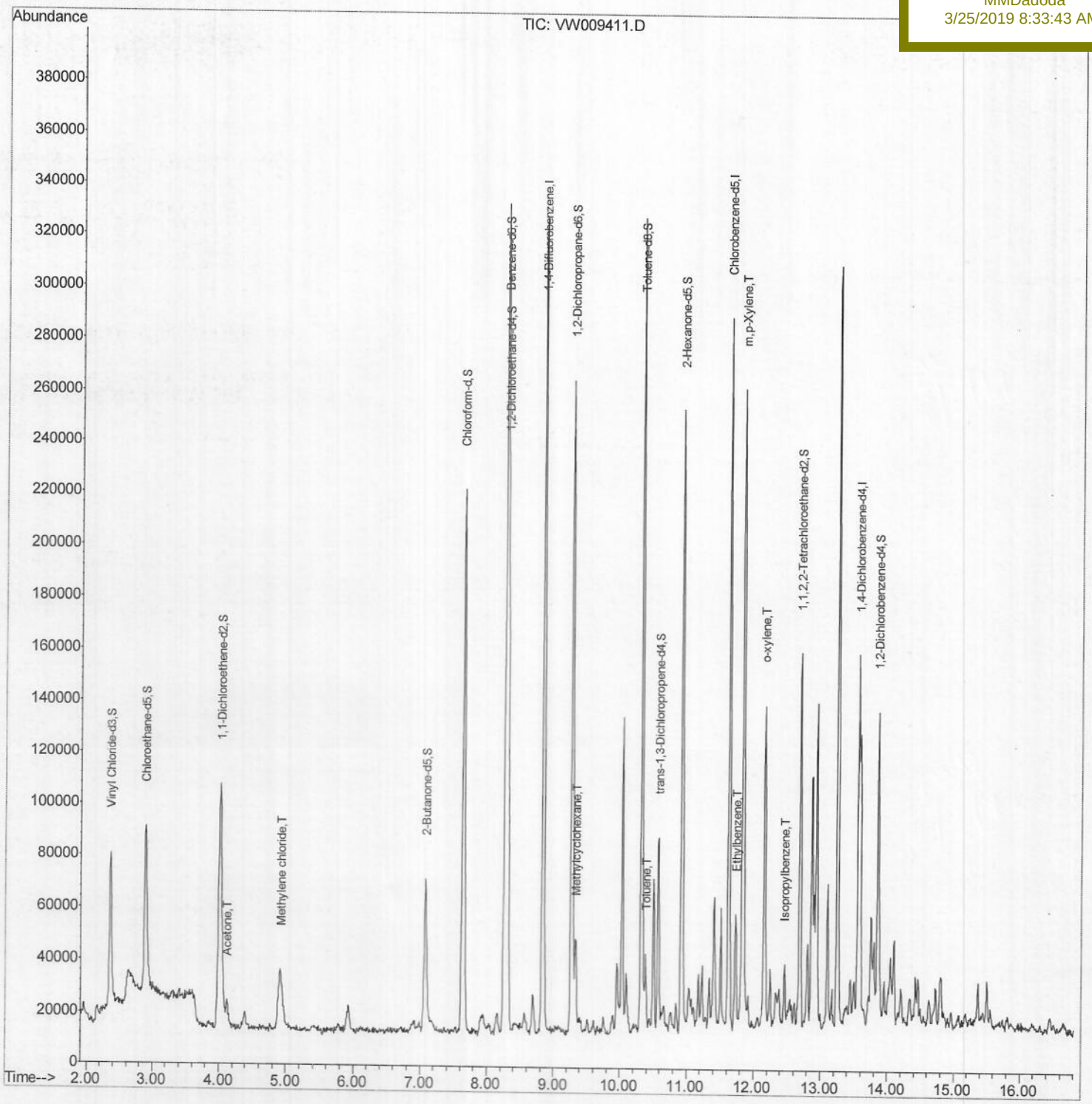
Data File : VW009411.D
Acq On : 24 Mar 2019 01:16
Operator : SY/VA
Sample : K2031-01RE

Misc : 3.96G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 04:26:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 23 23:52:05 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
BF5S1RE

Manual Integrations APPROVED
MMDadoda
3/25/2019 8:33:43 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032319\

Quantitation Report (Qedit)

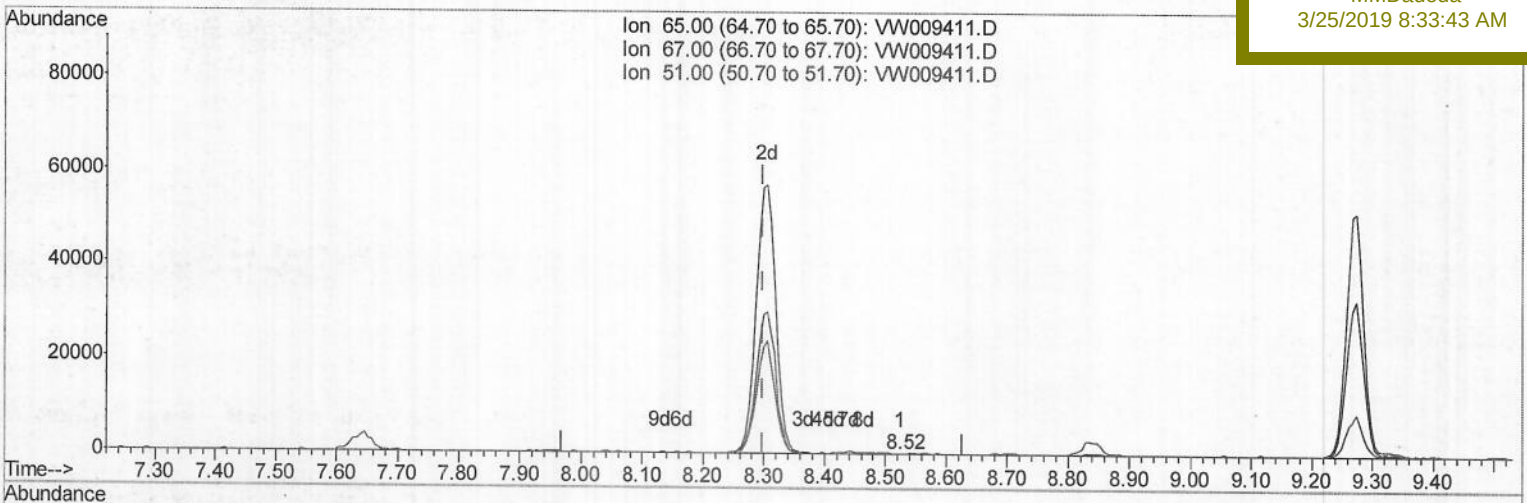
Data File : VW009411.D
Acq On : 24 Mar 2019 01:16
Operator : SY/VA
Sample : K2031-01RE

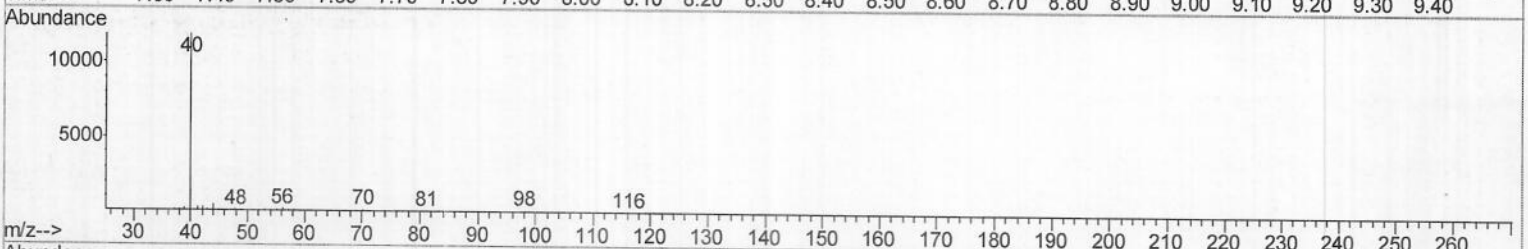
Misc : 3.96G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

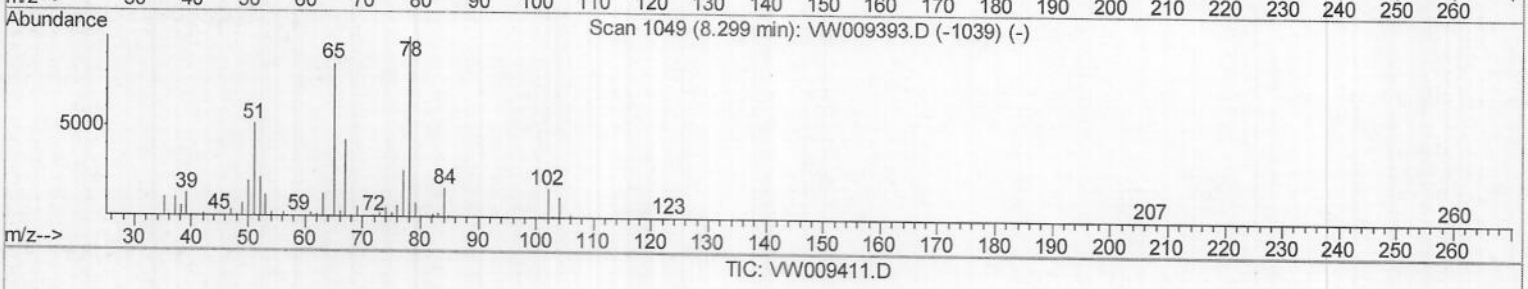
Quant Time: Mar 24 04:26:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 23 23:52:05 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
BF5S1RE

Manual Integrations APPROVED
MMDadoda
3/25/2019 8:33:43 AM







TIC: VW009411.D

(26) 1,2-Dichloroethane-d4 (S)

8.524min (+0.226) 0.02ug/L

response 77

Ion	Exp%	Act%
65.00	100	100
67.00	50.80	48.05
51.00	97.70	93.51
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032319\

Quantitation Report (Qedit)

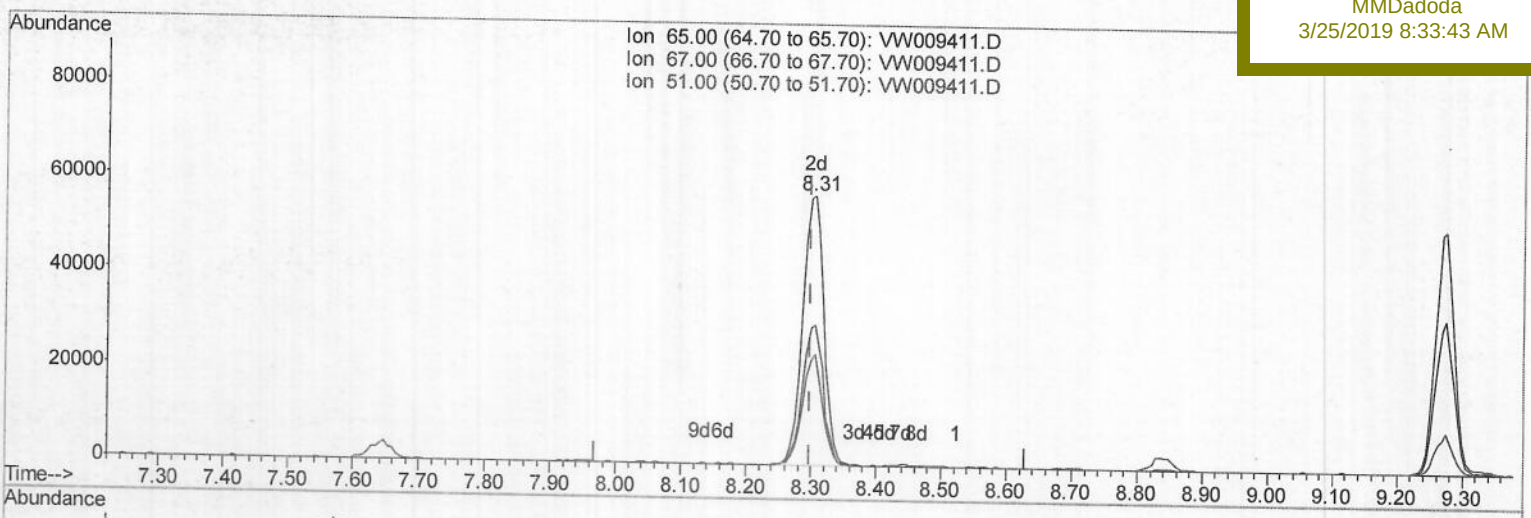
Data File : VW009411.D
Acq On : 24 Mar 2019 01:16
Operator : SY/VA
Sample : K2031-01RE

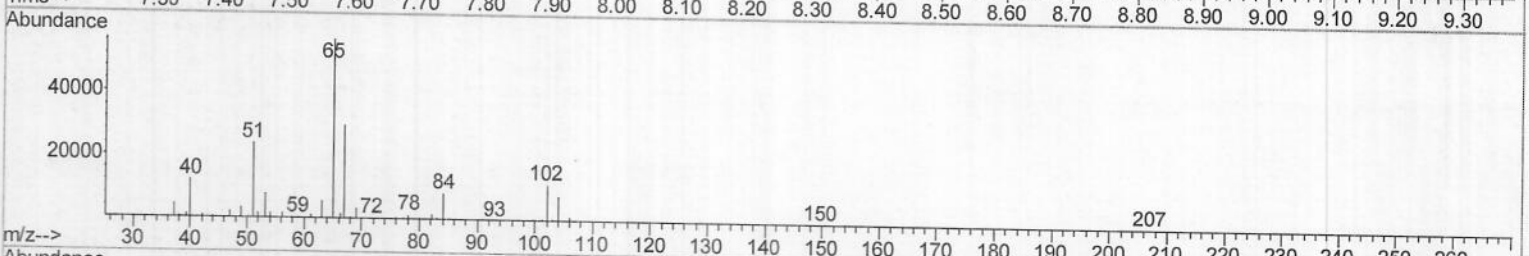
Misc : 3.96G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

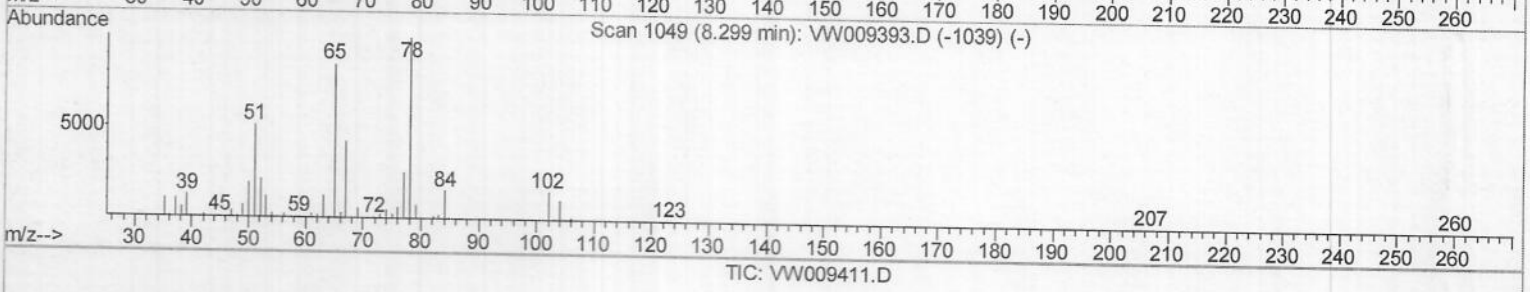
Quant Time: Mar 24 04:26:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 23 23:52:05 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
BF5S1RE

Manual Integrations APPROVED
MMDadoda
3/25/2019 8:33:43 AM







TIC: VW009411.D

(26) 1,2-Dichloroethane-d4 (S)

8.305min (+0.006) 32.06ug/L m

response 129520

Ion	Exp%	Act%
65.00	100	100
67.00	50.80	0.03#
51.00	97.70	0.06#
0.00	0.00	0.00

M.D 4/5/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032319\

Quantitation Report (QT Reviewed)

Data File : VW009411.D
Acq On : 24 Mar 2019 01:16
Operator : SY/VA
Sample : K2031-01RE

Misc : 3.96G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 04:26:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 23 23:52:05 2019
Response via : Initial Calibration

Instrument : MSVOA_W
ClientSampleId : BF5S1RE

Manual Integrations APPROVED
MMDadoda
3/25/2019 8:33:43 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	245731	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	142619	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	33438	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	86216	29.36	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 117.44%			
7) Chloroethane-d5	2.89	69	93310	27.16	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 108.64%			
10) 1,1-Dichloroethene-d2	4.01	63	115140	18.14	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 72.56%			
20) 2-Butanone-d5	7.07	46	98242	80.90	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 161.80%#			
24) Chloroform-d	7.64	84	187014	27.89	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 111.56%			
26) 1,2-Dichloroethane-d4	8.31	65	129520m	32.06	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 128.24%			
29) Benzene-d6	8.27	84	305267	38.81	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 155.24%#			
33) 1,2-Dichloropropane-d6	9.27	67	101784	43.09	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 172.36%#			
37) Toluene-d8	10.32	98	188281	25.89	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 103.56%			
38) trans-1,3-Dichloropropene-	10.58	79	39033	32.90	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 131.60%			
39) 2-Hexanone-d5	10.93	63	64405	112.57	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 225.14%#			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	63246	27.18	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 108.72%			
61) 1,2-Dichlorobenzene-d4	13.86	152	28026	21.86	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 87.44%			
Target Compounds						Qvalue
13) Acetone	4.12	43	13179	13.233	ug/L	98
16) Methylene chloride	4.92	84	20636	5.759	ug/L	89
36) Methylcyclohexane	9.34	83	10941	3.040	ug/L #	83
44) Toluene	10.39	91	19495	2.284	ug/L	98
53) Ethylbenzene	11.73	91	25484	2.656	ug/L	94
54) m,p-Xylene	11.83	106	50825	13.942	ug/L	100
55) o-xylene	12.16	106	31046	8.729	ug/L	90
57) Isopropylbenzene	12.46	105	12018	1.261	ug/L	97

M.D 4/5/19

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