

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
 Data File : VW009761.D
 Acq On : 06 Apr 2019 07:58
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTD02516

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 11:42:57 AM

Quant Time: Apr 07 03:57:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Apr 07 03:43:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	469717	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	464642	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	233406	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	108090	17.59	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	70.36%		
7) Chloroethane-d5	2.89	69	111118	19.73	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	78.92%		
10) 1,1-Dichloroethene-d2	4.02	63	276616	20.93	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	83.72%		
20) 2-Butanone-d5	7.07	46	117386	58.82	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	117.64%		
24) Chloroform-d	7.64	84	316020	24.66	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	98.64%		
26) 1,2-Dichloroethane-d4	8.31	65	201464	25.60	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	102.40%		
29) Benzene-d6	8.27	84	567904	23.28	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	93.12%		
33) 1,2-Dichloropropane-d6	9.27	67	181290	24.06	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	96.24%		
37) Toluene-d8	10.32	98	520191	23.07	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	92.28%		
38) trans-1,3-Dichloropropene-	10.57	79	85153	23.70	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	94.80%		
39) 2-Hexanone-d5	10.93	63	82741	58.27	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	116.54%		
48) 1,1,2,2-Tetrachloroethane-	12.69	84	185839	26.53	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	106.12%		
61) 1,2-Dichlorobenzene-d4	13.85	152	201668	24.62	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	98.48%		

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	136985m	22.139	ug/L	98
3) Chloromethane	2.21	50	144572	22.609	ug/L	98
5) Vinyl chloride	2.37	62	171767	20.942	ug/L	93
6) Bromomethane	2.78	94	127555	22.475	ug/L	100
8) Chloroethane	2.92	64	123704	22.979	ug/L	100
9) Trichlorofluoromethane	3.26	101	98983	19.673	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	148767	22.731	ug/L	96
12) 1,1-Dichloroethene	4.04	96	145016	23.244	ug/L	88
13) Acetone	4.12	43	91632	42.853	ug/L	99
14) Carbon disulfide	4.38	76	430841	22.217	ug/L	99
15) Methyl Acetate	4.67	43	110840	28.429	ug/L	98
16) Methylene chloride	4.91	84	185097	22.344	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	261683	30.448	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	165134	25.451	ug/L	97
19) 1,1-Dichloroethane	6.21	63	335734	26.963	ug/L	99
21) 2-Butanone	7.17	43	150144	55.210	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	191094	27.538	ug/L	98

MD
 4/9/19

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	89179	28.011	ug/L	95
25) Chloroform	7.67	83	349893	26.827	ug/L	100
27) 1,2-Dichloroethane	8.40	62	279325	28.316	ug/L	97
30) Cyclohexane	7.95	56	257272	23.459	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	258360	24.511	ug/L	99
32) Carbon tetrachloride	8.06	117	246035	23.282	ug/L	98
34) Benzene	8.32	78	724660	25.922	ug/L	100
35) Trichloroethene	9.09	95	184219	25.180	ug/L	99
36) Methylcyclohexane	9.34	83	282388	23.478	ug/L	99
40) 1,2-Dichloropropane	9.37	63	194803	27.222	ug/L	99
41) Bromodichloromethane	9.64	83	268931	27.236	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	293104	26.438	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	332120	59.748	ug/L	100
44) Toluene	10.38	91	777363	26.250	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	257047	26.893	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	149280	27.792	ug/L	95
47) Tetrachloroethene	10.86	164	138525	24.041	ug/L	97
49) 2-Hexanone	10.97	43	239854	57.950	ug/L	99
50) Dibromochloromethane	11.13	129	179532	27.206	ug/L	99
51) 1,2-Dibromoethane	11.23	107	147949	27.482	ug/L	98
52) Chlorobenzene	11.66	112	500044	26.232	ug/L	99
53) Ethylbenzene	11.73	91	886817	26.288	ug/L	99
54) m,p-Xylene	11.84	106	331137	26.539	ug/L	99
55) o-xylene	12.16	106	324673	27.322	ug/L	97
56) Styrene	12.18	104	570887	27.687	ug/L	100
57) Isopropylbenzene	12.46	105	863885	26.549	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	201840	27.945	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	151344	28.149	ug/L	99
62) Bromoform	12.35	173	109447	26.669	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	377440	26.141	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	397794	25.836	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	372538	26.970	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	37628	27.985	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	271758	25.367	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	228574	26.568	ug/L	99
69) Naphthalene	15.37	128	528459	30.561	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	224878	27.941	ug/L	98

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

Quantitation Report (Qedit)

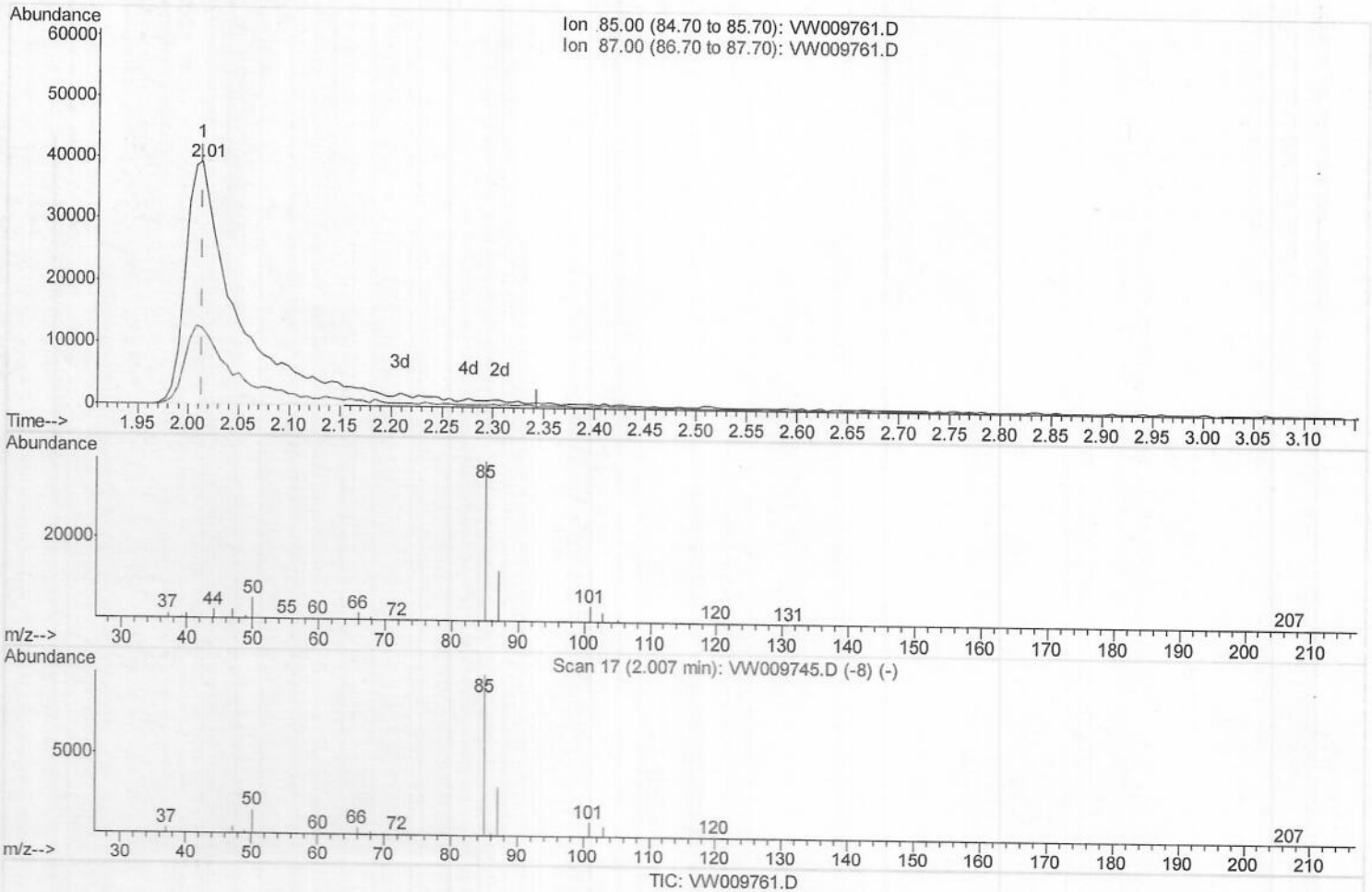
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(2) Dichlorodifluoromethane (T)

2.014min (+0.000) 22.14ug/L m

response 136985

> $\frac{mD}{4/9/19}$

Ion	Exp%	Act%
85.00	100	100
87.00	25.80	26.22
0.00	0.00	0.00
0.00	0.00	0.00

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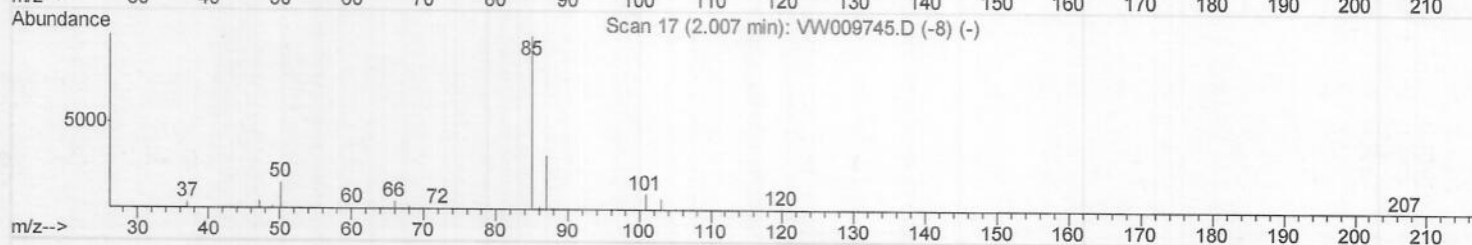
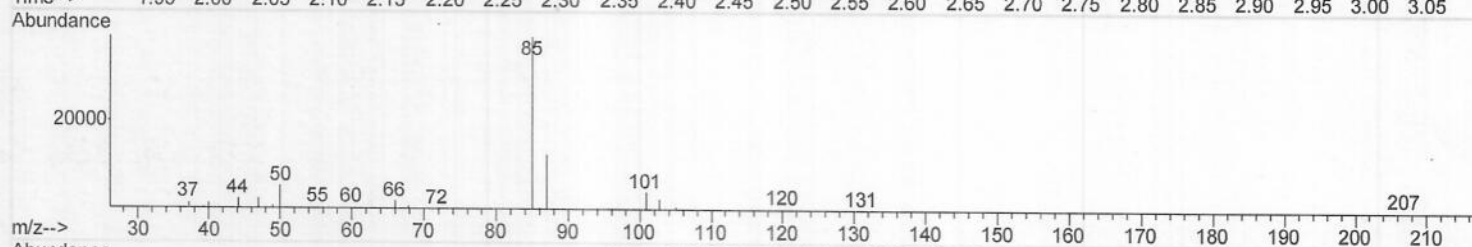
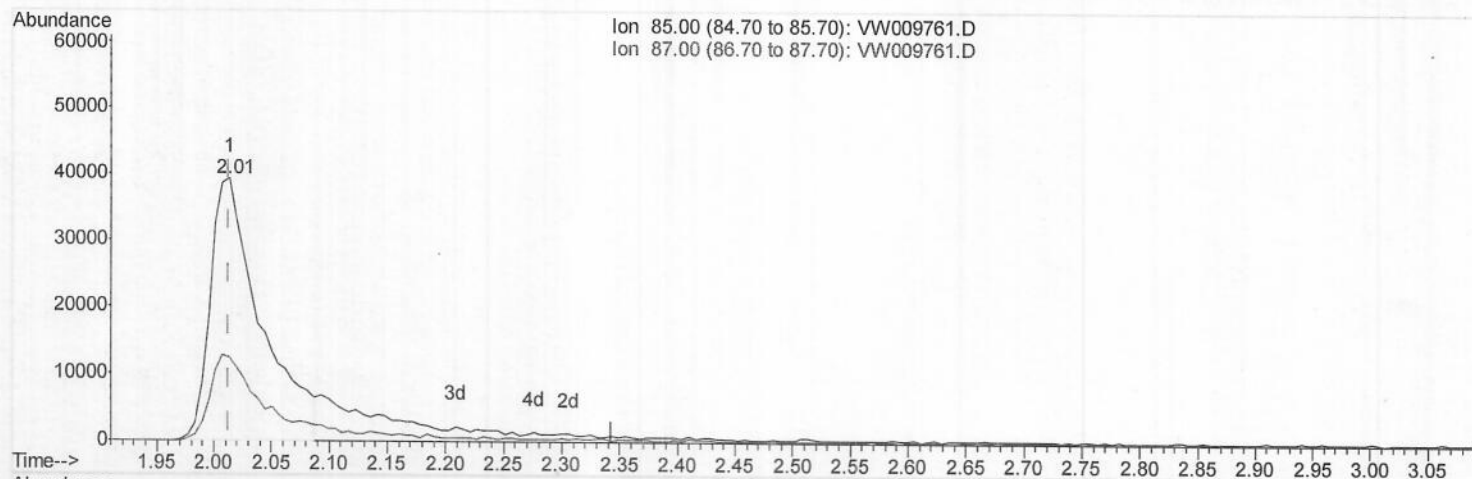
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(2) Dichlorodifluoromethane (T)

2.014min (+0.000) 19.14ug/L

response 118454

Ion	Exp%	Act%
85.00	100	100
87.00	25.80	30.32
0.00	0.00	0.00
0.00	0.00	0.00

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