

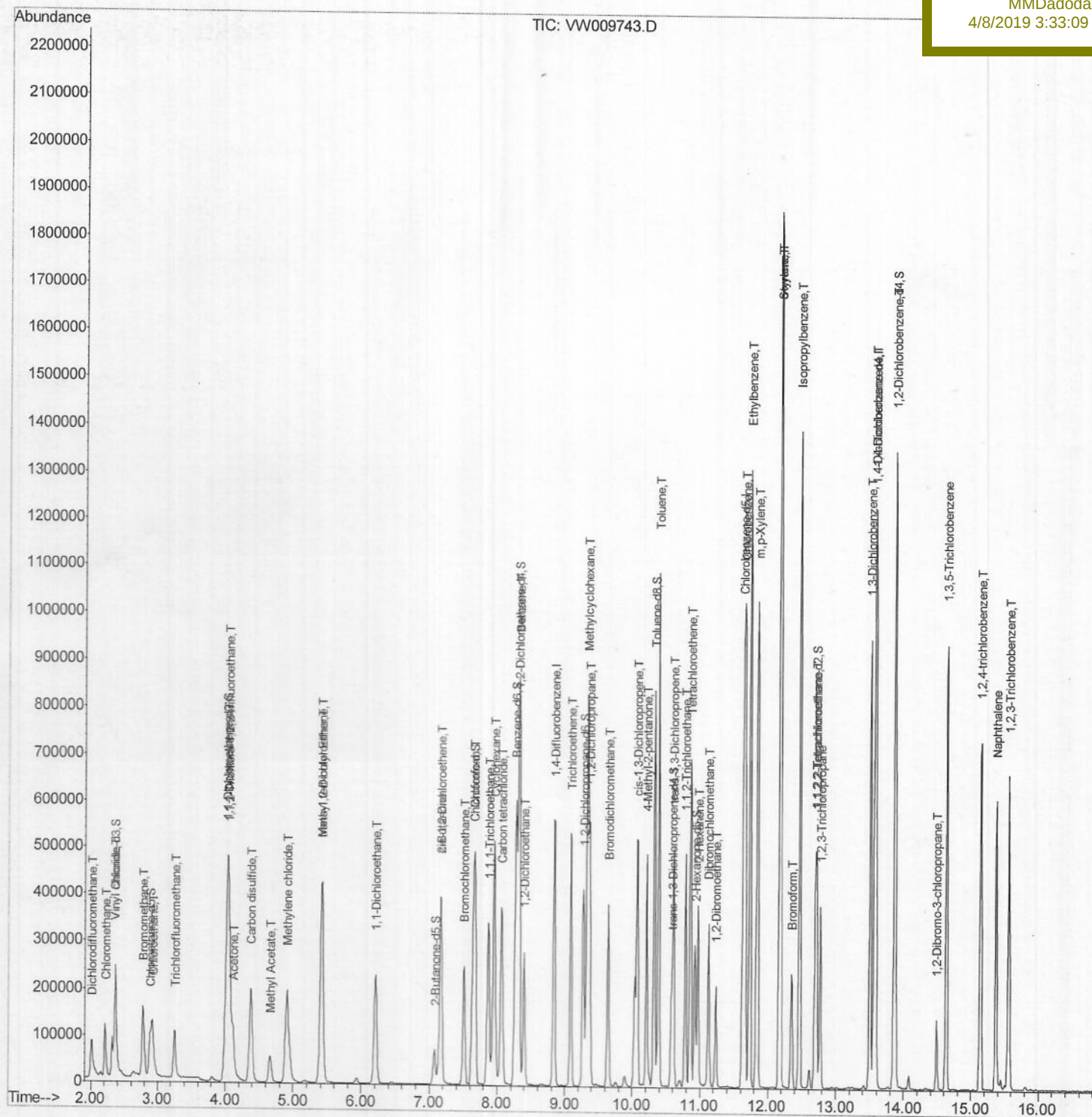
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040519\
Data File : VW009743.D
Acq On : 05 Apr 2019 20:34
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 06 05:21:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 06 03:51:49 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
LabSampleId :
VSTD02514

Manual Integrations
APPROVED

MMDadoda
4/8/2019 3:33:09 AM



Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040519\

Data File : VW009743.D

Acq On : 05 Apr 2019 20:34

Operator : SY/VA

Sample : VSTDCCC025EC

Misc : 5.00G/10ML/MSVOA_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 06 05:21:31 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M

Quant Title : VOC Analysis

QLast Update : Sat Apr 06 03:51:49 2019

Response via : Initial Calibration

Instrument :

MSVOA_W

LabSampleId :

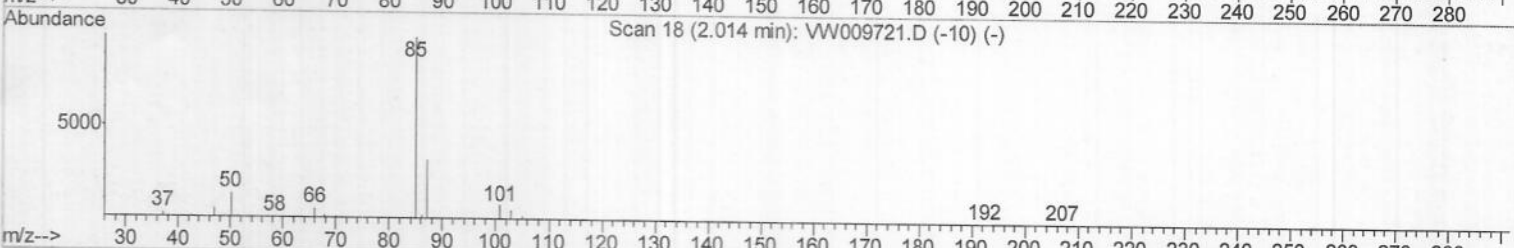
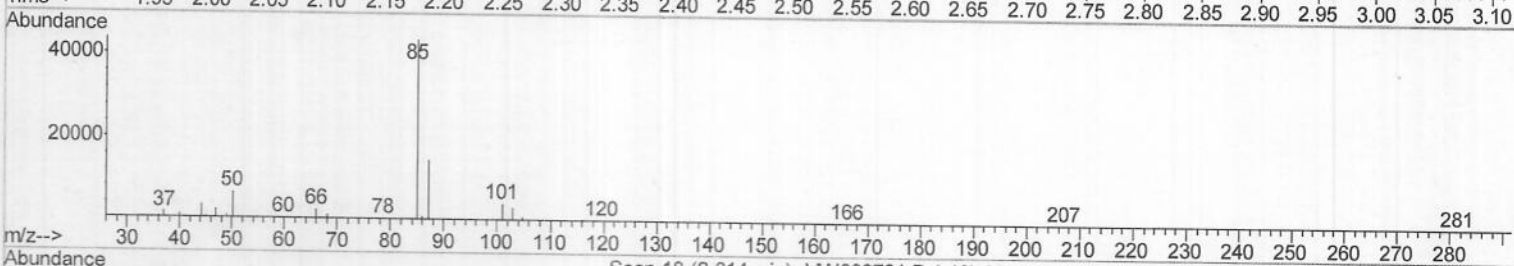
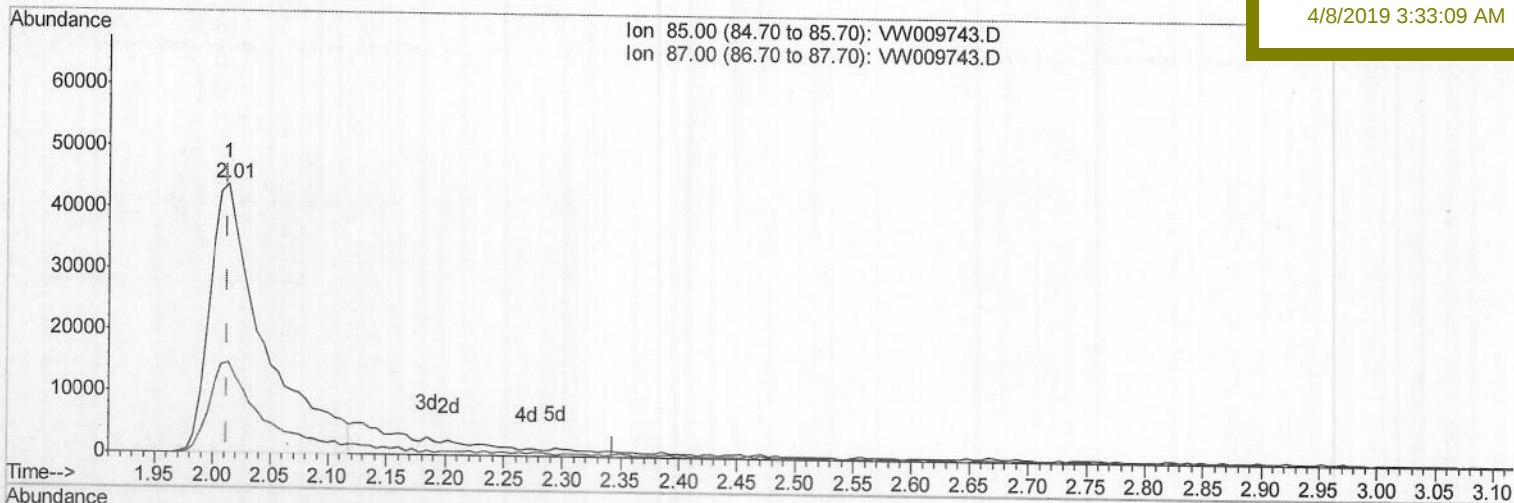
VSTD02514

Manual Integrations

APPROVED

MMDadoda

4/8/2019 3:33:09 AM



TIC: VW009743.D

(2) Dichlorodifluoromethane (T)

2.014min (+0.000) 24.42ug/L

response 142530

Ion	Exp%	Act%
85.00	100	100
87.00	25.80	31.83
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040519\

Data File : VW009743.D

Acq On : 05 Apr 2019 20:34

Operator : SY/VA

Sample : VSTDCCC025EC

Misc : 5.00G/10ML/MSVOA_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 06 05:21:31 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M

Quant Title : VOC Analysis

QLast Update : Sat Apr 06 03:51:49 2019

Response via : Initial Calibration

Instrument :

MSVOA_W

LabSampleId :

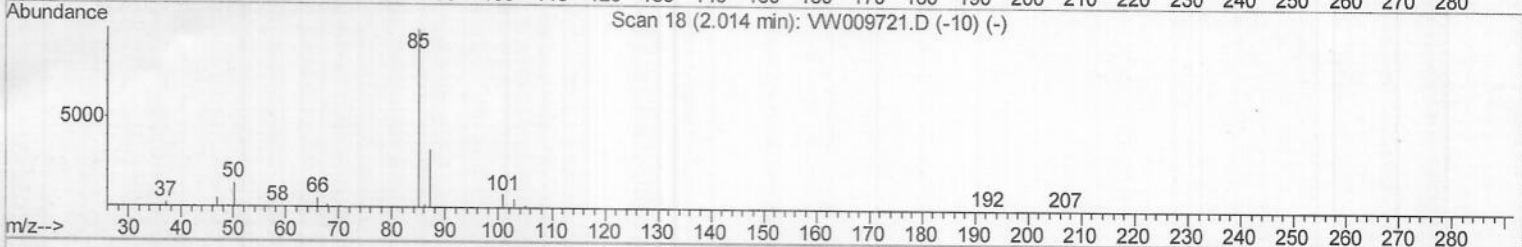
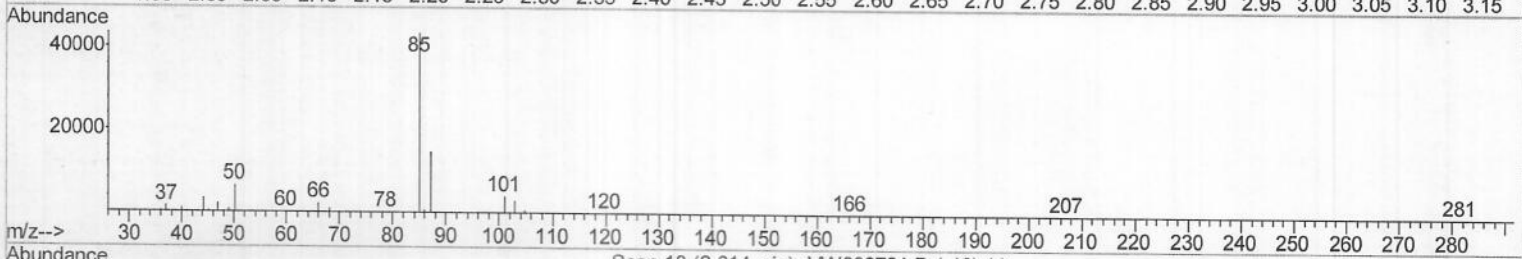
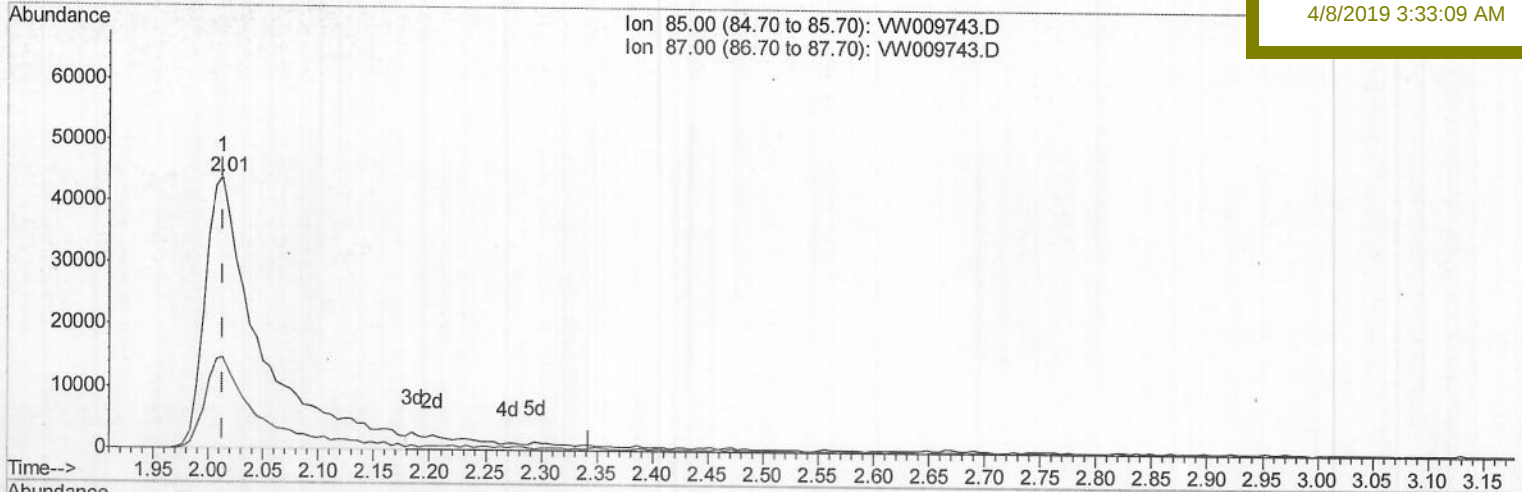
VSTD02514

Manual Integrations

APPROVED

MMDadoda

4/8/2019 3:33:09 AM



TIC: VW009743.D

(2) Dichlorodifluoromethane (T)

2.014min (+0.000) 26.67ug/L m

response 155672

Ion	Exp%	Act%
85.00	100	100
87.00	25.80	29.14
0.00	0.00	0.00
0.00	0.00	0.00

M.D
04/06/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040519\
 Data File : VW009743.D
 Acq On : 05 Apr 2019 20:34
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTD02514

Quant Time: Apr 06 05:21:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 06 03:51:49 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 3:33:09 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Difluorobenzene	8.84	114	443097	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	428063	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	216326	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	126126	21.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.00%
7) Chloroethane-d5	2.89	69	124044	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.40%
10) 1,1-Dichloroethene-d2	4.02	63	309896	24.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.40%
20) 2-Butanone-d5	7.07	46	125374	66.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	133.20%
24) Chloroform-d	7.64	84	316892	26.21	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.84%
26) 1,2-Dichloroethane-d4	8.30	65	196779	26.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.04%
29) Benzene-d6	8.27	84	578471	25.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.96%
33) 1,2-Dichloropropane-d6	9.27	67	176882	25.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.92%
37) Toluene-d8	10.32	98	534515	25.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.92%
38) trans-1,3-Dichloropropene-	10.58	79	85195	25.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.96%
39) 2-Hexanone-d5	10.93	63	93101	71.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	142.34%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	190439	29.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.04%
61) 1,2-Dichlorobenzene-d4	13.86	152	198421	26.14	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.56%

Target Compounds

				Qvalue	
2) Dichlorodifluoromethane	2.01	85	155672m	26.671	ug/L
3) Chloromethane	2.21	50	120932	20.048	ug/L
5) Vinyl chloride	2.37	62	184874	23.894	ug/L
6) Bromomethane	2.78	94	125189	23.383	ug/L
8) Chloroethane	2.92	64	127731	25.153	ug/L
9) Trichlorofluoromethane	3.25	101	103801	21.870	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	168449	27.284	ug/L #
12) 1,1-Dichloroethene	4.03	96	158119	26.867	ug/L
13) Acetone	4.12	43	116930	57.969	ug/L
14) Carbon disulfide	4.37	76	466551	25.504	ug/L
15) Methyl Acetate	4.67	43	105408	28.660	ug/L
16) Methylene chloride	4.91	84	171152	21.902	ug/L
17) Methyl tert-butyl Ether	5.42	73	233862	28.846	ug/L
18) trans-1,2-Dichloroethene	5.41	96	160518	26.226	ug/L
19) 1,1-Dichloroethane	6.21	63	313723	26.709	ug/L
21) 2-Butanone	7.17	43	156994	61.197	ug/L
22) cis-1,2-Dichloroethene	7.17	96	174550	26.665	ug/L

M.D
 04/06/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040519\
 Data File : VW009743.D
 Acq On : 05 Apr 2019 20:34
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTD02514

Quant Time: Apr 06 05:21:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 06 03:51:49 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 3:33:09 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	80748	26.887	ug/L	98
25) Chloroform	7.66	83	327130	26.588	ug/L	99
27) 1,2-Dichloroethane	8.40	62	255446	27.451	ug/L	96
30) Cyclohexane	7.95	56	281599	27.872	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	261357	26.915	ug/L	99
32) Carbon tetrachloride	8.06	117	258342	26.536	ug/L	99
34) Benzene	8.32	78	684799	26.590	ug/L	100
35) Trichloroethene	9.09	95	177903	26.395	ug/L	99
36) Methylcyclohexane	9.33	83	307197	27.723	ug/L	100
40) 1,2-Dichloropropane	9.37	63	177074	26.859	ug/L	100
41) Bromodichloromethane	9.64	83	240658	26.455	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	274731	26.899	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	322415	62.958	ug/L	99
44) Toluene	10.38	91	746389	27.357	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	246207	27.960	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	134758	27.232	ug/L	94
47) Tetrachloroethene	10.86	164	143882	27.105	ug/L	98
49) 2-Hexanone	10.97	43	237699	62.337	ug/L	99
50) Dibromochloromethane	11.13	129	165059	27.150	ug/L	99
51) 1,2-Dibromoethane	11.23	107	136620	27.546	ug/L	100
52) Chlorobenzene	11.66	112	460246	26.208	ug/L	98
53) Ethylbenzene	11.73	91	844499	27.173	ug/L	100
54) m,p-Xylene	11.84	106	317769	27.644	ug/L	99
55) o-xylene	12.16	106	301833	27.570	ug/L	98
56) Styrene	12.18	104	536973	28.268	ug/L	99
57) Isopropylbenzene	12.46	105	837192	27.927	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	192778	28.971	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	146442	29.564	ug/L	98
62) Bromoform	12.35	173	101897	26.790	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	353127	26.388	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	372353	26.093	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	346961	27.101	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	35429	28.430	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	267252	26.916	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	213466	26.771	ug/L	98
69) Naphthalene	15.37	128	487986	30.449	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	212341	28.467	ug/L	99

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