

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072018\

Data File : VW004086.D

Acq On : 20 Jul 2018 21:02

Operator : SY/AP

Sample : VSTDCCC025

Misc : 5.00G/10ML/MSVOA W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 21 06:18:23 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M

Quant Title : VOC Analysis

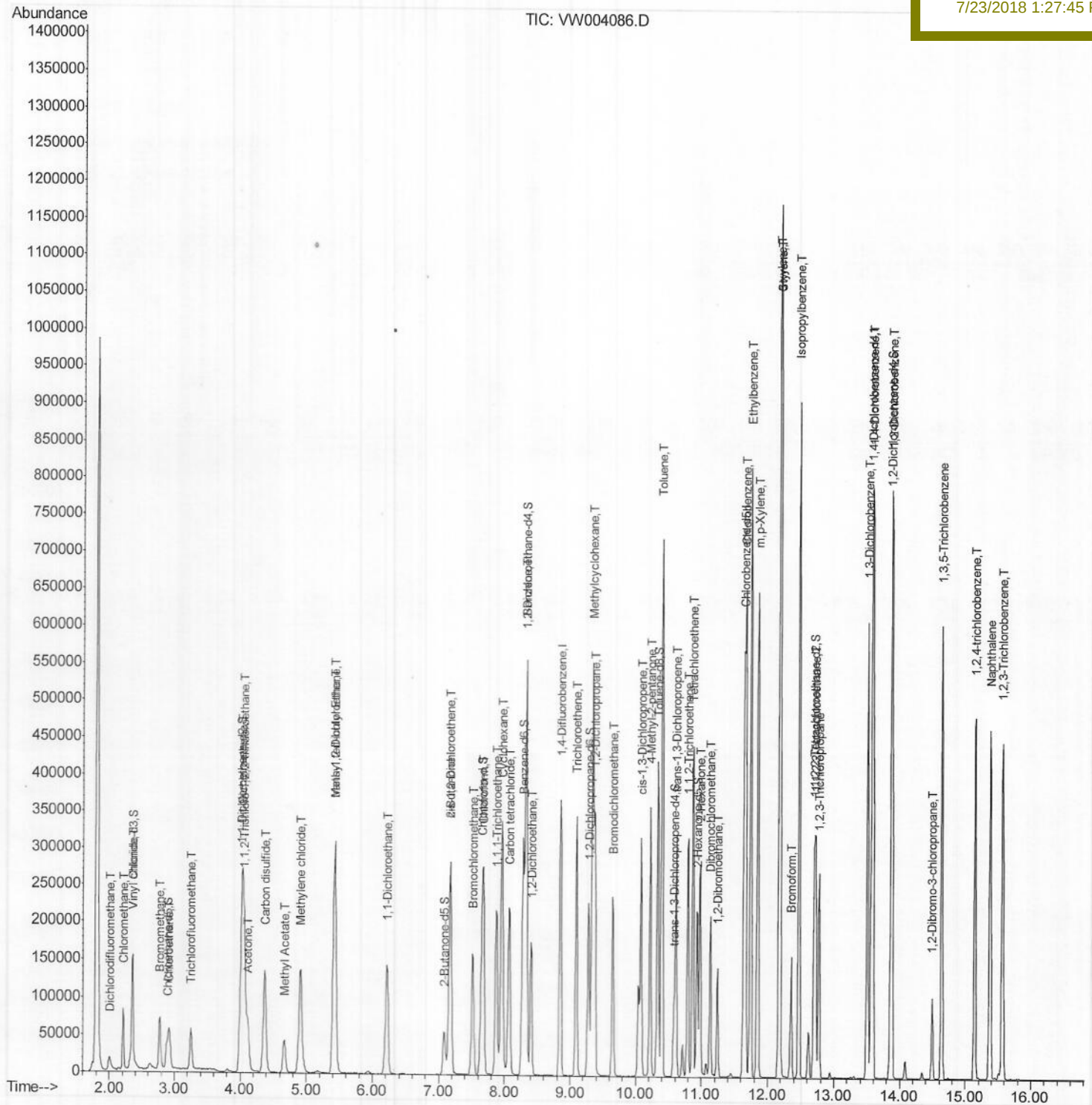
QLast Update : Sat Jul 21 04:54:15 2018

Response via : Initial Calibration

Instrument :
MSVOA_W
LabSampleId :
VSTD02593

Manual Integrations
APPROVED

MMDadoda
7/23/2018 1:27:45 PM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072018\

Data File : VW004086.D

Acq On : 20 Jul 2018 21:02

Operator : SY/AP

Sample : VSTDCCC025

Misc : 5.00G/10ML/MSVOA W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 21 04:57:53 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M

Quant Title : VOC Analysis

QLast Update : Sat Jul 21 04:54:15 2018

Response via : Initial Calibration

Instrument :

MSVOA_W

LabSampleId :

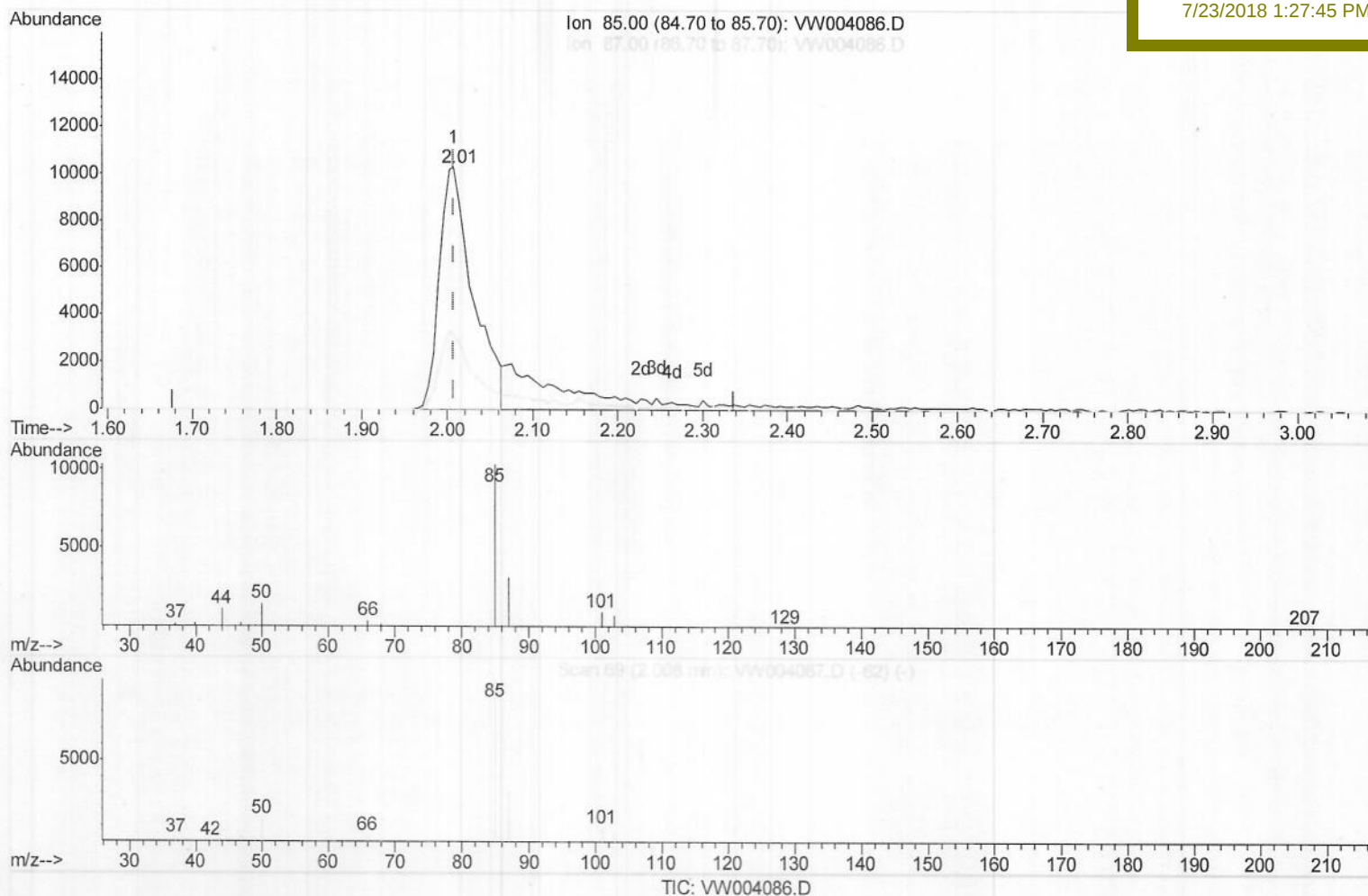
VSTD02593

Manual Integrations

APPROVED

MMDadoda

7/23/2018 1:27:45 PM



(2) Dichlorodifluoromethane (T)

2.008min (+0.000) 14.46ug/L

response 28016

Ion	Exp%	Act%
85.00	100	100
87.00	0.10	34.83#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072018\

Data File : VW004086.D

Acq On : 20 Jul 2018 21:02

Operator : SY/AP

Sample : VSTDCCC025

Misc : 5.00G/10ML/MSVOA W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 21 04:57:53 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M

Quant Title : VOC Analysis

QLast Update : Sat Jul 21 04:54:15 2018

Response via : Initial Calibration

Instrument :

MSVOA_W

LabSampleId :

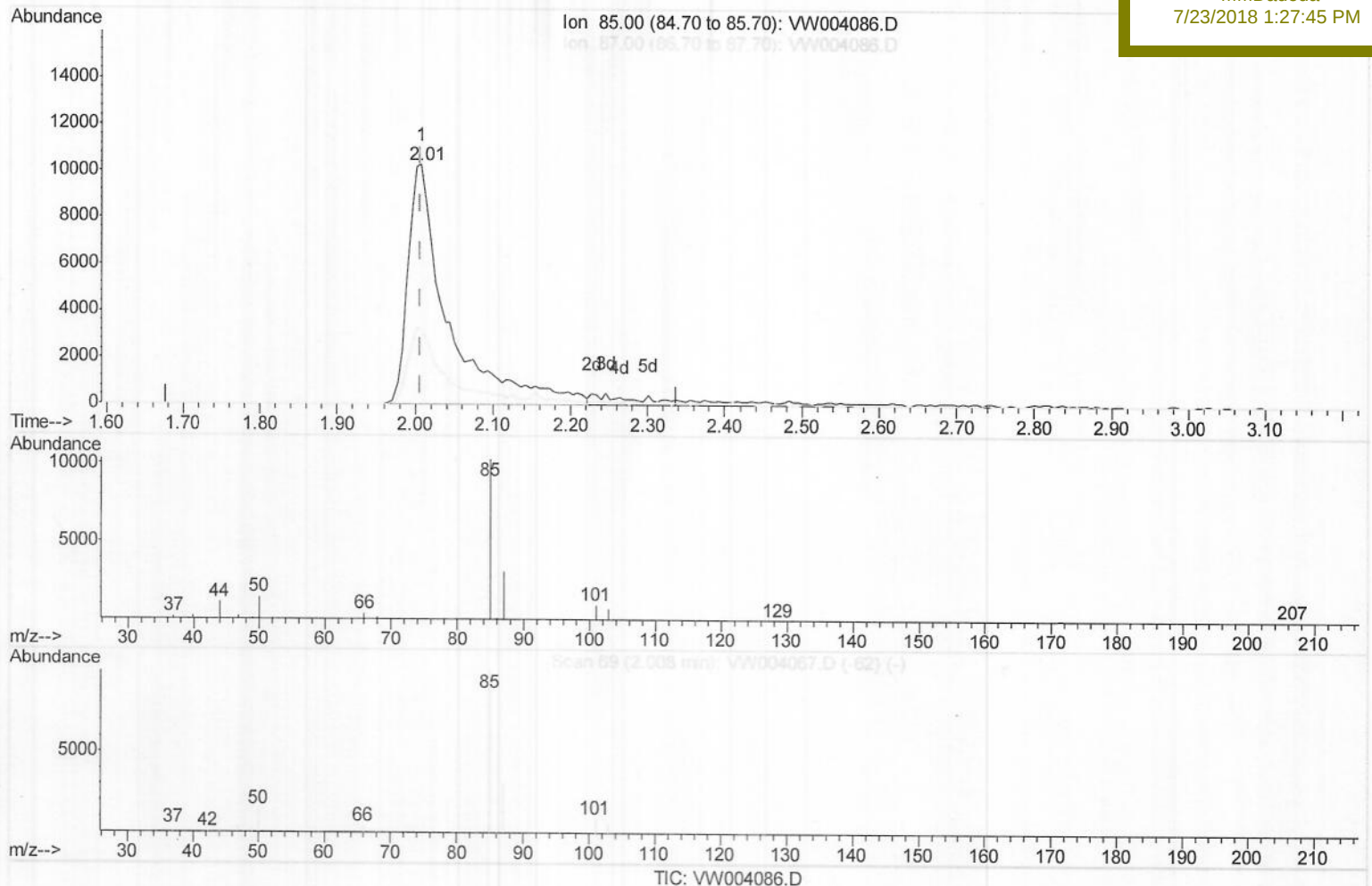
VSTD02593

Manual Integrations

APPROVED

MMDadoda

7/23/2018 1:27:45 PM



(2) Dichlorodifluoromethane (T)

2.008min (+0.000) 18.89ug/L m

response 36601

Ion	Exp%	Act%
85.00	100	100
87.00	0.10	26.66#
0.00	0.00	0.00
0.00	0.00	0.00

MD
07/24/18

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072018\

Data File : VW004086.D

Acq On : 20 Jul 2018 21:02

Operator : SY/AP

Sample : VSTDCCC025

Misc : 5.00G/10ML/MSVOA W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_W

LabSampleId :

VSTD02593

Quant Time: Jul 21 06:18:23 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M

Quant Title : VOC Analysis

QLast Update : Sat Jul 21 04:54:15 2018

Response via : Initial Calibration

Manual Integrations
APPROVEDMMDadoda
7/23/2018 1:27:45 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	302660	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	282912	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	145234	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	59880	20.00	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	80.00%		
7) Chloroethane-d5	2.89	69	46586	21.59	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	86.36%		
10) 1,1-Dichloroethene-d2	4.01	63	162165	22.58	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	90.32%		
20) 2-Butanone-d5	7.08	46	97462	55.52	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	111.04%		
24) Chloroform-d	7.65	84	178347	24.83	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	99.32%		
26) 1,2-Dichloroethane-d4	8.31	65	105604	24.41	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	97.64%		
29) Benzene-d6	8.28	84	312415	23.81	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	95.24%		
33) 1,2-Dichloropropane-d6	9.28	67	107544	24.57	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	98.28%		
37) Toluene-d8	10.33	98	280671	23.80	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	95.20%		
38) trans-1,3-Dichloropropene-	10.58	79	46517	24.19	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	96.76%		
39) 2-Hexanone-d5	10.93	63	72138	61.23	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	122.46%		
48) 1,1,2,2-Tetrachloroethane-	12.70	84	129891	27.09	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	108.36%		
61) 1,2-Dichlorobenzene-d4	13.86	152	112972	24.19	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	96.76%		

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	36601m)	18.888	ug/L
3) Chloromethane	2.21	50	72195	23.304	ug/L
5) Vinyl chloride	2.36	62	107386	23.020	ug/L
6) Bromomethane	2.78	94	57010	23.021	ug/L
8) Chloroethane	2.92	64	57338	23.446	ug/L
9) Trichlorofluoromethane	3.26	101	56849	24.460	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	107171	25.931	ug/L
12) 1,1-Dichloroethene	4.03	96	102185	25.364	ug/L
13) Acetone	4.12	43	85545	44.821	ug/L
14) Carbon disulfide	4.37	76	324386	24.888	ug/L
15) Methyl Acetate	4.67	43	86911	26.693	ug/L
16) Methylene chloride	4.91	84	115846	19.952	ug/L
17) Methyl tert-butyl Ether	5.43	73	210963	27.075	ug/L
18) trans-1,2-Dichloroethene	5.42	96	109825	26.478	ug/L
19) 1,1-Dichloroethane	6.21	63	213730	27.085	ug/L
21) 2-Butanone	7.17	43	119930	50.644	ug/L
22) cis-1,2-Dichloroethene	7.17	96	119796	27.021	ug/L

> MD
07/24/18

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072018\

Data File : VW004086.D

Acq On : 20 Jul 2018 21:02

Operator : SY/AP

Sample : VSTDCCC025

Misc : 5.00G/10ML/MSVOA W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 21 06:18:23 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M

Quant Title : VOC Analysis

QLast Update : Sat Jul 21 04:54:15 2018

Response via : Initial Calibration

Instrument :

MSVOA_W

LabSampleId :

VSTD02593

Manual Integrations

APPROVED

MMDadoda

7/23/2018 1:27:45 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	55437	26.594	ug/L	97
25) Chloroform	7.68	83	215855	26.787	ug/L	100
27) 1,2-Dichloroethane	8.40	62	159678	26.886	ug/L	99
30) Cyclohexane	7.96	56	189650	27.486	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	173386	26.947	ug/L	99
32) Carbon tetrachloride	8.07	117	165852	26.717	ug/L	100
34) Benzene	8.32	78	475409	27.414	ug/L	100
35) Trichloroethene	9.09	95	123744	26.669	ug/L	99
36) Methylcyclohexane	9.34	83	212627	27.726	ug/L	99
40) 1,2-Dichloropropane	9.37	63	127329	27.084	ug/L	99
41) Bromodichloromethane	9.65	83	156518	27.041	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	180837	27.299	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	237762	57.530	ug/L	99
44) Toluene	10.39	91	509415	28.033	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	166228	27.206	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	97726	26.747	ug/L	98
47) Tetrachloroethene	10.87	164	100452	26.843	ug/L	98
49) 2-Hexanone	10.98	43	178496	55.787	ug/L	99
50) Dibromochloromethane	11.13	129	112535	27.494	ug/L	96
51) 1,2-Dibromoethane	11.24	107	95339	26.717	ug/L	96
52) Chlorobenzene	11.66	112	315435	27.073	ug/L	98
53) Ethylbenzene	11.74	91	557186	28.326	ug/L	99
54) m,p-Xylene	11.85	106	207558	28.629	ug/L	100
55) o-xylene	12.17	106	200444	28.905	ug/L	98
56) Styrene	12.19	104	354376	29.582	ug/L	97
57) Isopropylbenzene	12.47	105	555477	29.217	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	142074	27.204	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	110097	27.233	ug/L	98
62) Bromoform	12.35	173	73382	26.773	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	242600	27.121	ug/L	98
64) 1,4-Dichlorobenzene	13.59	146	256288	26.721	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	237227	27.214	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	27338	26.900	ug/L	98
67) 1,3,5-Trichlorobenzene	14.64	180	188430	26.639	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	152587	26.900	ug/L	100
69) Naphthalene	15.38	128	374080	29.290	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	152717	28.296	ug/L	98

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