

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 21 07:04:00 2018

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

Quant Title : VOC Analysis

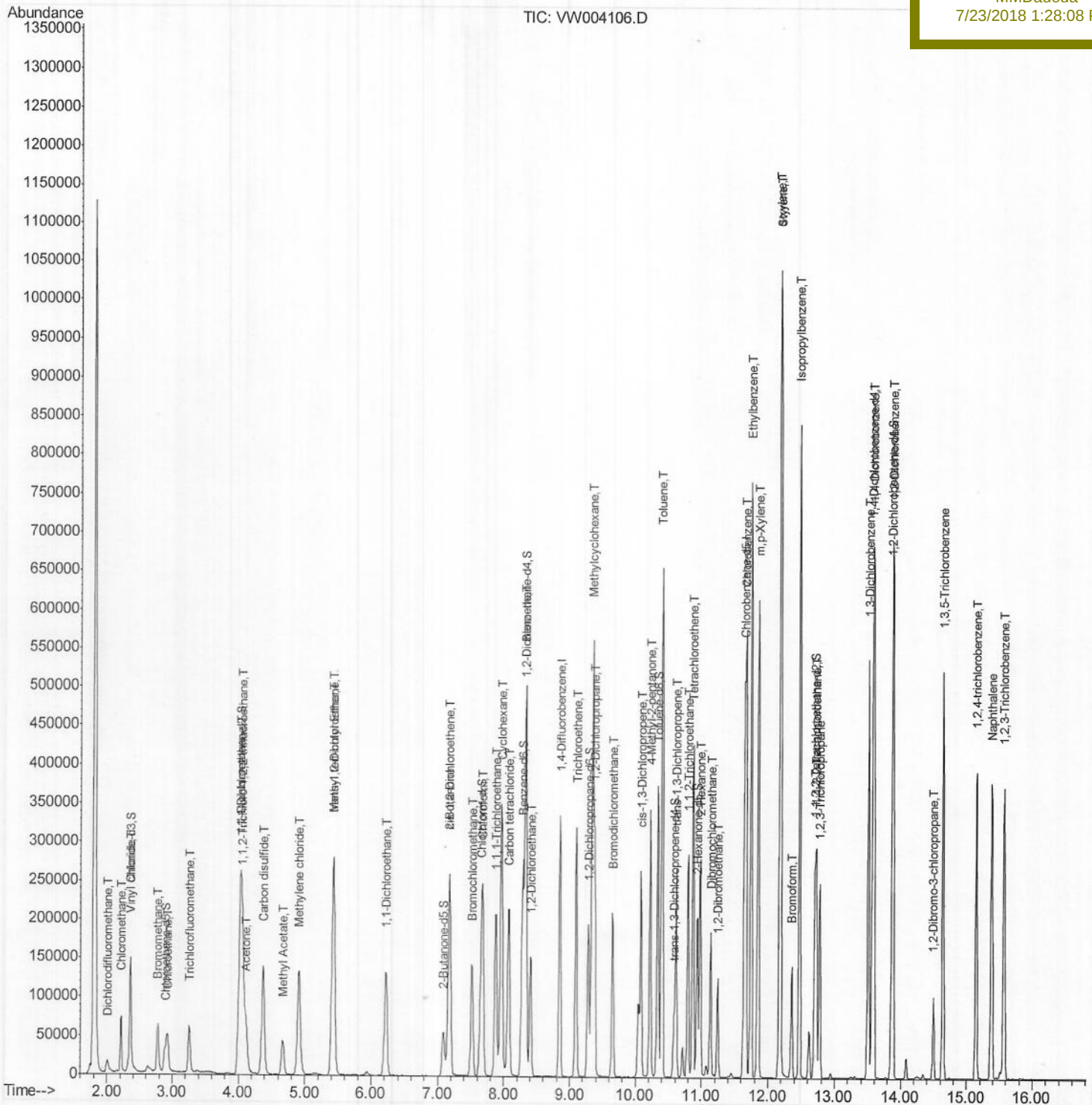
QLast Update : Sat Jul 21 06:22:08 2018

Response via : Initial Calibration

Instrument :
MSVOA_W
LabSampleId :
VSTD02594

Manual Integrations

MMDadoda
7/23/2018 1:28:08 PM



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

Data File : VW004106.D

Acq On : 21 Jul 2018 06:06

Operator : SY/AP

Sample : VSTDCCC025EC

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

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 21 07:01:19 2018

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

Quant Title : VOC Analysis

QLast Update : Sat Jul 21 06:22:08 2018

Response via : Initial Calibration

Instrument :

MSVOA_W

LabSampleId :

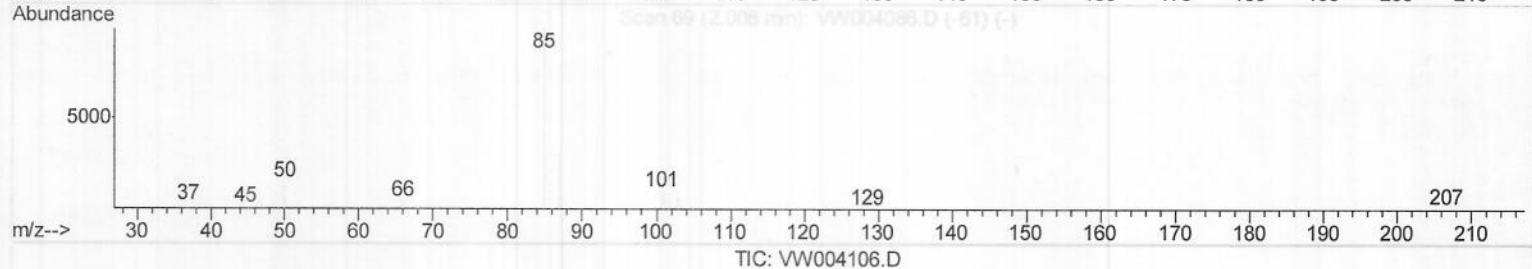
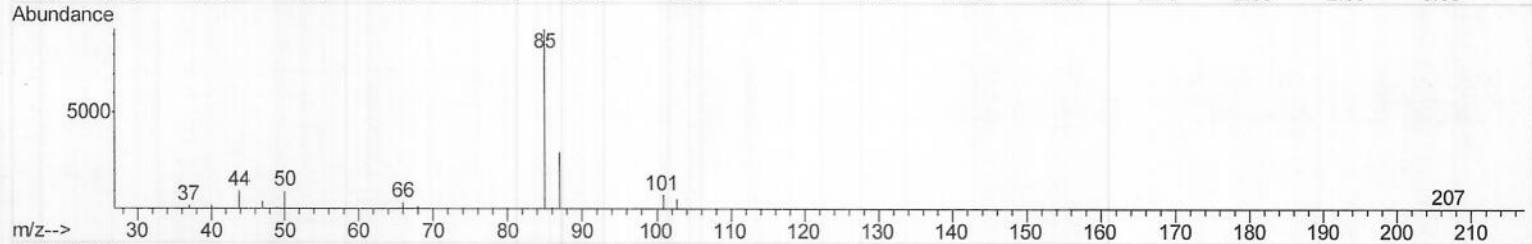
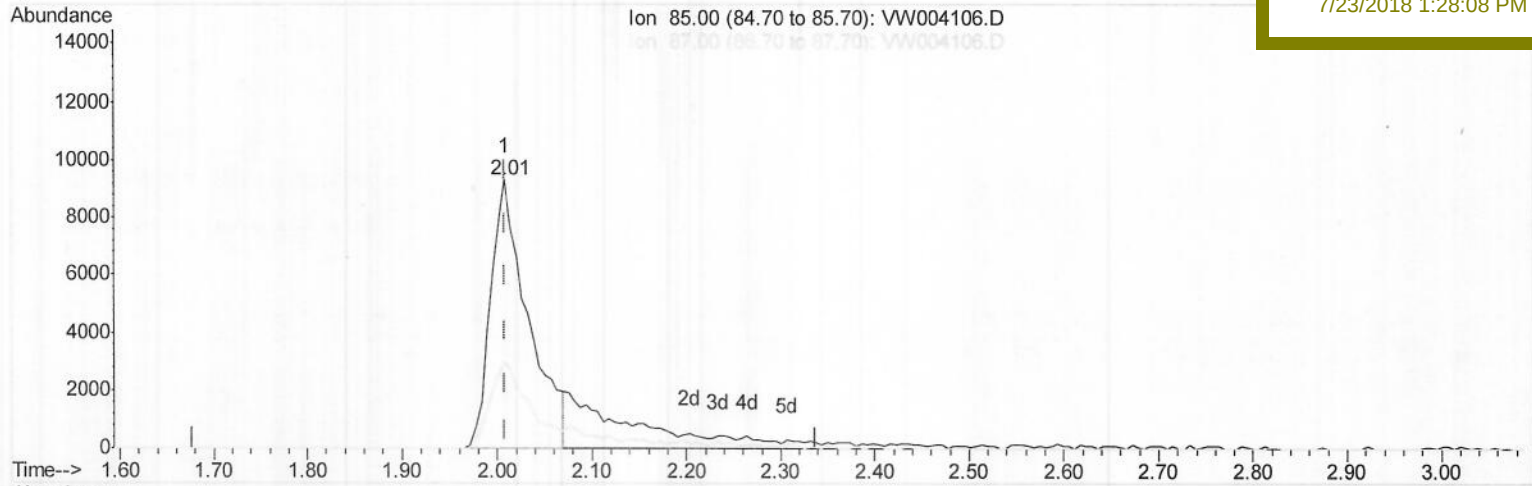
VSTD02594

Manual Integrations

APPROVED

MMDadoda

7/23/2018 1:28:08 PM



(2) Dichlorodifluoromethane (T)

2.008min (+0.000) 14.71ug/L

response 25389

Ion	Exp%	Act%
85.00	100	100
87.00	0.10	33.26#
0.00	0.00	0.00
0.00	0.00	0.00

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

Data File : VW004106.D

Acq On : 21 Jul 2018 06:06

Operator : SY/AP

Sample : VSTDCCC025EC

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

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 21 07:01:19 2018

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

Quant Title : VOC Analysis

QLast Update : Sat Jul 21 06:22:08 2018

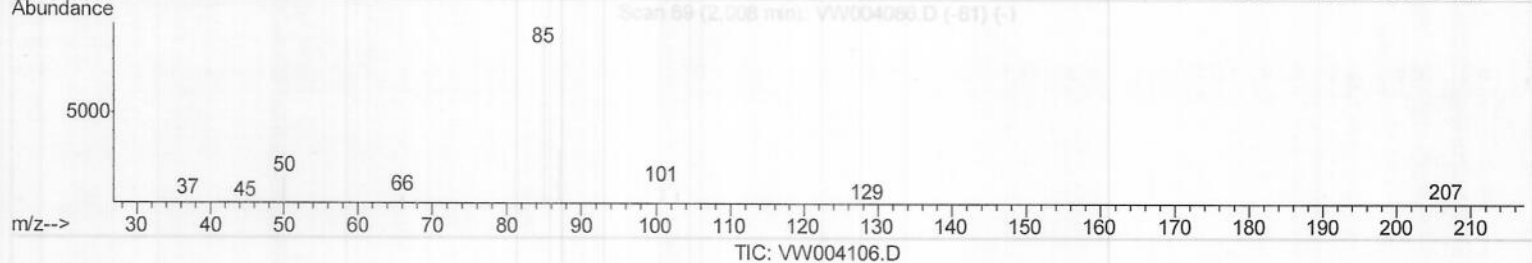
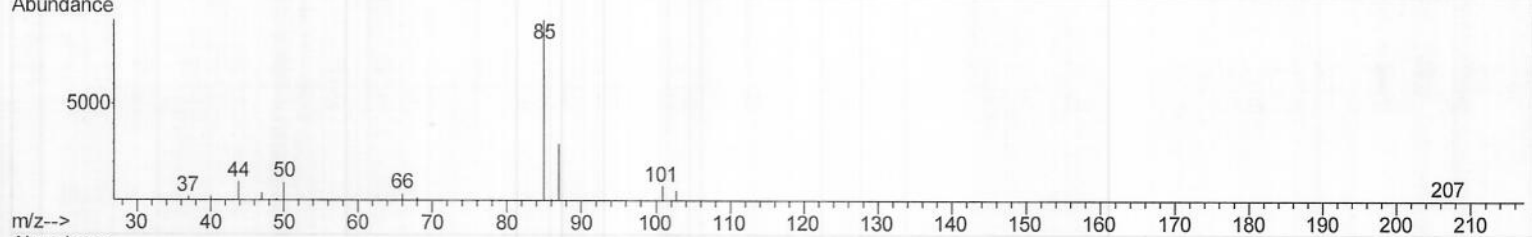
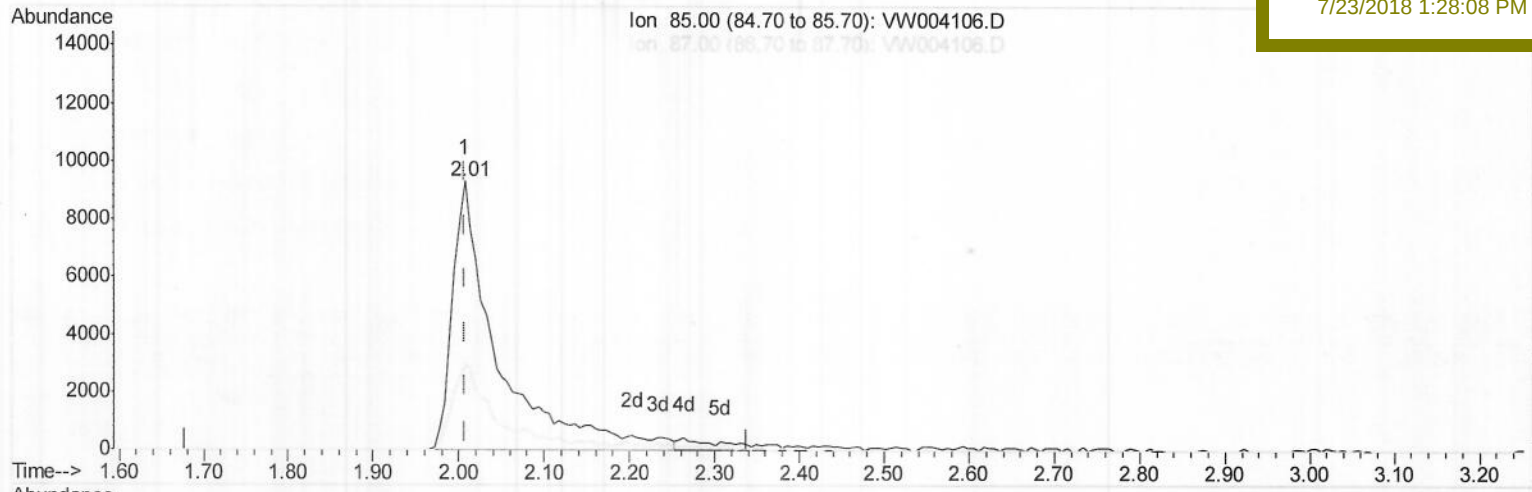
Response via : Initial Calibration

Instrument :

MSVOA_W

LabSampleId :

VSTD02594

Manual Integrations
APPROVEDMMDadoda
7/23/2018 1:28:08 PM

(2) Dichlorodifluoromethane (T)

2.008min (+0.000) 19.71ug/L m

response 34013

Ion	Exp%	Act%
85.00	100	100
87.00	0.10	24.83#
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 : VW004106.D

Acq On : 21 Jul 2018 06:06

Operator : SY/AP

Sample : VSTDCCC025EC

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

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 21 07:04:00 2018

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

Quant Title : VOC Analysis

QLast Update : Sat Jul 21 06:22:08 2018

Response via : Initial Calibration

Instrument :
MSVOA_W
LabSampleId :
VSTD02594

Manual Integrations
APPROVED

MMDadoda
7/23/2018 1:28:08 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Difluorobenzene	8.85	114	269553	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	245071	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	123131	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	56175	21.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.28%
7) Chloroethane-d5	2.89	69	40805	21.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.92%
10) 1,1-Dichloroethene-d2	4.02	63	155988	24.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.56%
20) 2-Butanone-d5	7.09	46	94466	60.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.84%
24) Chloroform-d	7.65	84	154919	24.21	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.84%
26) 1,2-Dichloroethane-d4	8.31	65	88541	22.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.92%
29) Benzene-d6	8.28	84	275102	24.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.80%
33) 1,2-Dichloropropane-d6	9.28	67	90811	23.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.80%
37) Toluene-d8	10.33	98	244371	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.68%
38) trans-1,3-Dichloropropene-	10.58	79	36653	22.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.00%
39) 2-Hexanone-d5	10.93	63	66287	64.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.90%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	110948	26.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.84%
61) 1,2-Dichlorobenzene-d4	13.86	152	94492	23.87	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.48%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	34013m)	19.708	ug/L	95
3) Chloromethane	2.22	50	66900	24.247	ug/L	99
5) Vinyl chloride	2.36	62	105637	25.427	ug/L	100
6) Bromomethane	2.78	94	50428	22.864	ug/L	98
8) Chloroethane	2.92	64	52502	24.106	ug/L	98
9) Trichlorofluoromethane	3.26	101	58825	28.419	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	110874	30.121	ug/L	98
12) 1,1-Dichloroethene	4.03	96	97722	27.235	ug/L	92
13) Acetone	4.12	43	80429	47.316	ug/L	99
14) Carbon disulfide	4.37	76	313715	27.026	ug/L	100
15) Methyl Acetate	4.67	43	85744	29.569	ug/L	99
16) Methylene chloride	4.92	84	103683	20.050	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	178032	25.655	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	101432	27.458	ug/L	97
19) 1,1-Dichloroethane	6.21	63	192920	27.450	ug/L	99
21) 2-Butanone	7.18	43	117791	55.850	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	105970	26.839	ug/L	99

MP
07/24/18

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

Data File : VW004106.D

Acq On : 21 Jul 2018 06:06

Operator : SY/AP

Sample : VSTDCCC025EC

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

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 21 07:04:00 2018

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

Quant Title : VOC Analysis

QLast Update : Sat Jul 21 06:22:08 2018

Response via : Initial Calibration

Instrument :

MSVOA_W

LabSampleId :

VSTD02594

Manual Integrations

APPROVED

MMDadoda

7/23/2018 1:28:08 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	48581	26.168	ug/L	97
25) Chloroform	7.68	83	194720	27.132	ug/L	100
27) 1,2-Dichloroethane	8.40	62	138396	26.165	ug/L	99
30) Cyclohexane	7.96	56	191279	32.002	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	168663	30.261	ug/L	99
32) Carbon tetrachloride	8.07	117	160445	29.837	ug/L	100
34) Benzene	8.33	78	433096	28.830	ug/L	100
35) Trichloroethene	9.09	95	114469	28.479	ug/L	99
36) Methylcyclohexane	9.34	83	219864	33.096	ug/L	99
40) 1,2-Dichloropropane	9.37	63	114515	28.120	ug/L	99
41) Bromodichloromethane	9.65	83	136063	27.136	ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	148504	25.880	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	224792	62.790	ug/L	99
44) Toluene	10.39	91	467677	29.710	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	137277	25.937	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	85271	26.942	ug/L	96
47) Tetrachloroethene	10.87	164	96121	29.652	ug/L	98
49) 2-Hexanone	10.98	43	174946	63.120	ug/L	99
50) Dibromochloromethane	11.13	129	96915	27.334	ug/L	97
51) 1,2-Dibromoethane	11.24	107	84195	27.237	ug/L	99
52) Chlorobenzene	11.66	112	281719	27.913	ug/L	97
53) Ethylbenzene	11.74	91	518030	30.402	ug/L	99
54) m,p-Xylene	11.85	106	192958	30.725	ug/L	99
55) o-xylene	12.17	106	180825	30.103	ug/L	97
56) Styrene	12.19	104	310937	29.964	ug/L	100
57) Isopropylbenzene	12.47	105	522598	31.731	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	126449	27.951	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	101299	28.926	ug/L	100
62) Bromoform	12.35	173	63556	27.351	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	208748	27.526	ug/L	98
64) 1,4-Dichlorobenzene	13.59	146	222625	27.378	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	201149	27.217	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	26110	30.303	ug/L	99
67) 1,3,5-Trichlorobenzene	14.64	180	162321	27.068	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	126067	26.214	ug/L	98
69) Naphthalene	15.38	128	318160	29.383	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	124515	27.212	ug/L	98

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