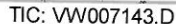


```
Data File : VW007143.D
Acq On    : 30 Nov 2018  14:43
Operator  : SY/AP
Sample    : VSTD2.586
Misc      : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial  : 1      Sample Multiplier: 1
```

Manual Integrations

MMDadoda
12/4/2018 9:52:36 AM

Quant Time: Nov 30 15:08:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 30 14:38:38 2018
Response via : Initial Calibration



Ion	Exp%	Act%
128.00	100	100
49.00	157.00	171.64
130.00	140.30	144.42
51.00	48.70	39.90

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW113018\
Quantitation Report (Qedit)

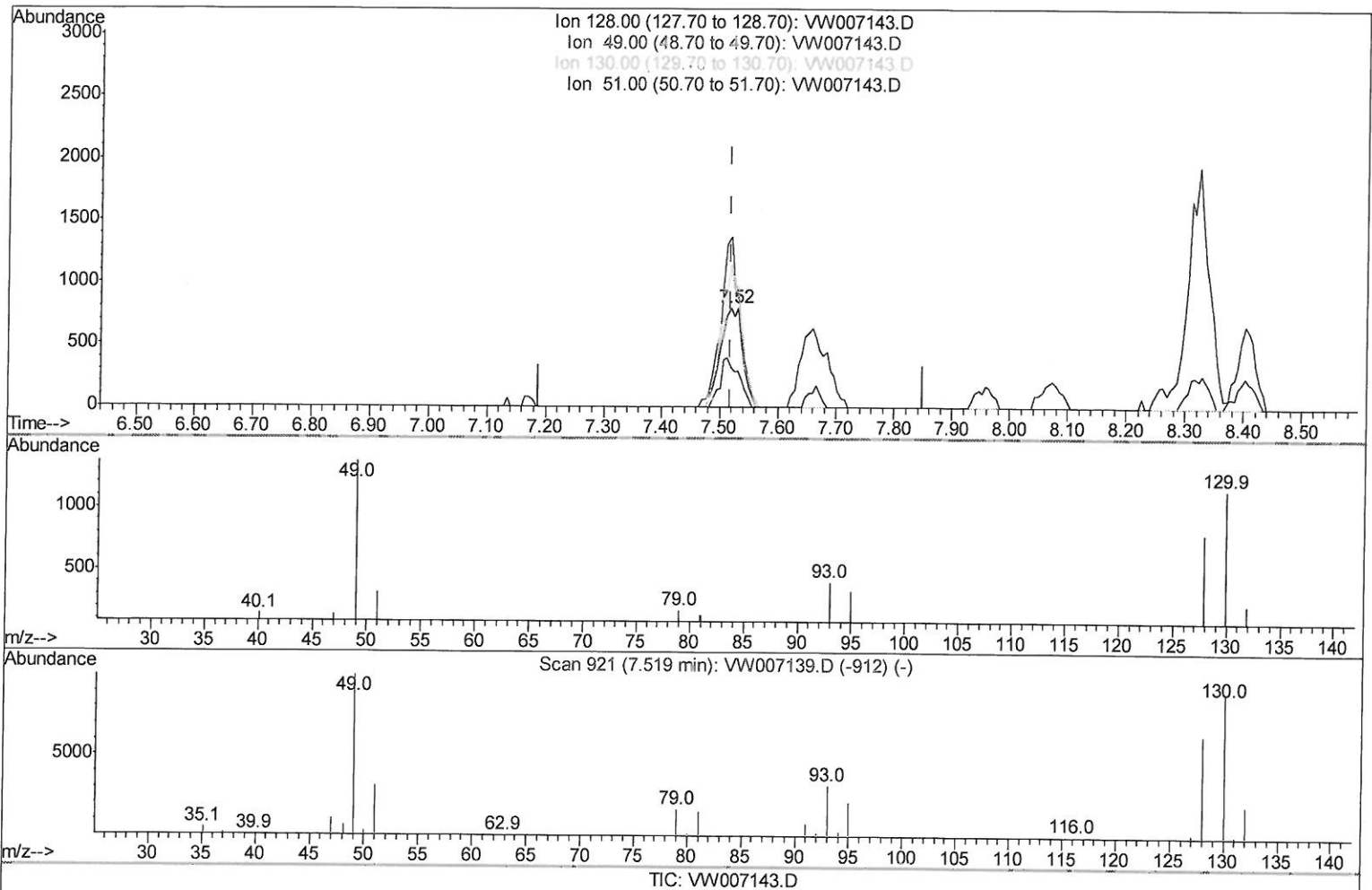
Data File : VW007143.D
Acq On : 30 Nov 2018 14:43
Operator : SY/AP
Sample : VSTD2.586
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
VSTD2.586

Manual Integrations
APPROVED

MMDadoda
12/4/2018 9:52:36 AM

Quant Time: Nov 30 15:08:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 30 14:38:38 2018
Response via : Initial Calibration



(23) Bromochloromethane (T)

7.519min (+0.000) 2.23ug/L m

> 12/03/18 SY

response 2101

Ion	Exp%	Act%
128.00	100	100
49.00	157.00	171.64
130.00	140.30	144.42
51.00	48.70	39.90

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW113018\
Quantitation Report (Qedit)

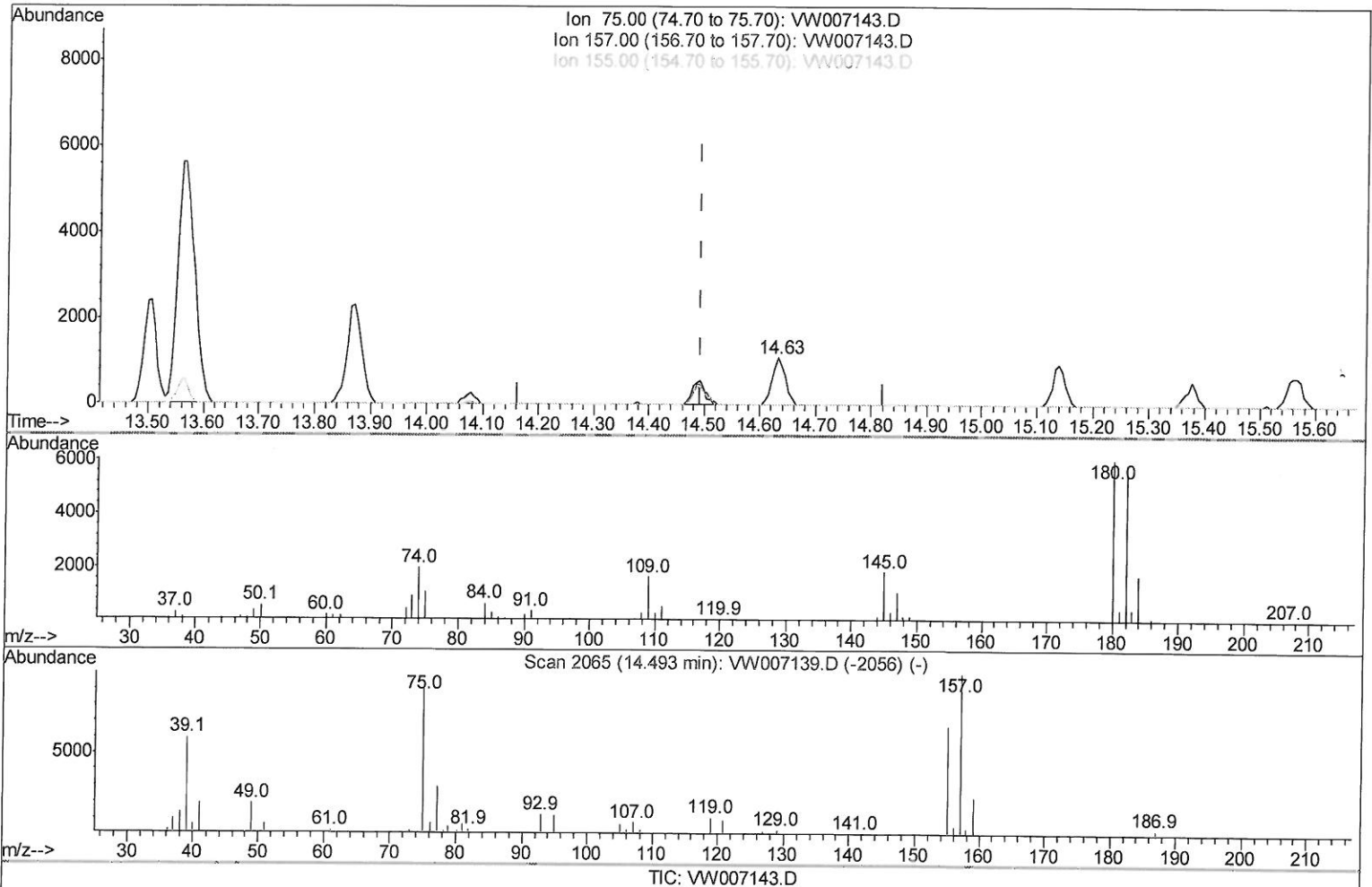
Data File : VW007143.D
Acq On : 30 Nov 2018 14:43
Operator : SY/AP
Sample : VSTD2.586
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.586

Manual Integrations
APPROVED

MMDadoda
12/4/2018 9:52:36 AM

Quant Time: Nov 30 15:08:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 30 14:38:38 2018
Response via : Initial Calibration



(66) 1,2-Dibromo-3-chloropropane (T)

14.633min (+0.141) 3.96ug/L

response 1786

Ion	Exp%	Act%
75.00	100	100
157.00	108.00	0.00#
155.00	72.90	0.00#
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW113018\
Quantitation Report (Qedit)

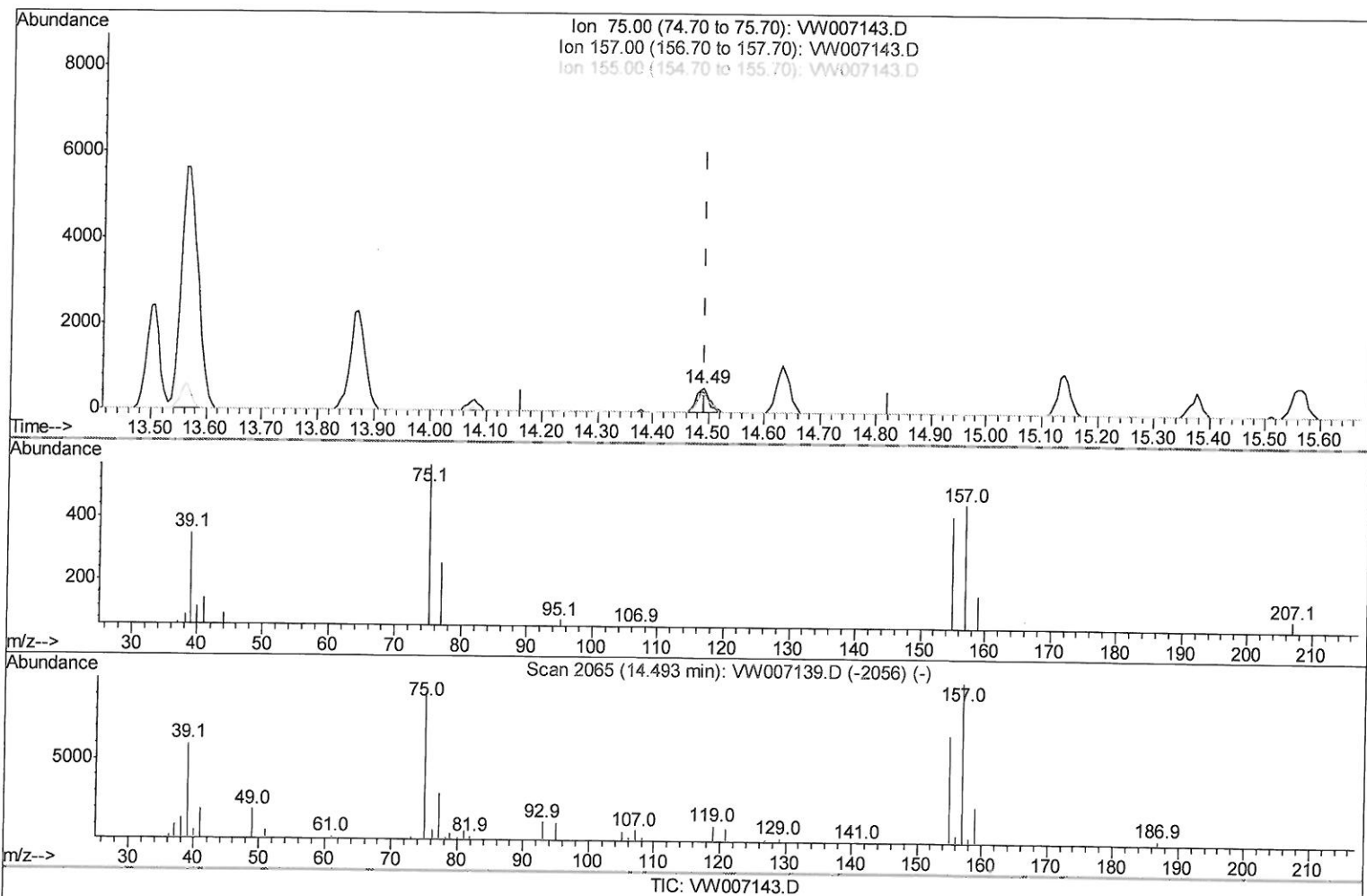
Data File : VW007143.D
Acq On : 30 Nov 2018 14:43
Operator : SY/AP
Sample : VSTD2.586
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.586

Manual Integrations
APPROVED

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Quant Title : VOC Analysis
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Response via : Initial Calibration



(66) 1,2-Dibromo-3-chloropropane (T)

14.493min (+0.000) 1.95ug/L m

response 879

Ion	Exp%	Act%
75.00	100	100
157.00	108.00	79.61#
155.00	72.90	73.05
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW113018\
Quantitation Report (QT Reviewed)

Data File : VW007143.D
Acq On : 30 Nov 2018 14:43
Operator : SY/AP
Sample : VSTD2.586
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
VSTD2.586

Manual Integrations
APPROVED

MMDadoda
12/4/2018 9:52:36 AM

Quant Time: Nov 30 15:14:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 30 14:38:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	153528	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	150323	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	75853	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	3951	3.07	ug/L	0.00
7) Chloroethane-d5	2.89	69	2669	2.83	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	9247	2.66	ug/L	0.00
20) 2-Butanone-d5	7.09	46	3092	4.94	ug/L	0.00
24) Chloroform-d	7.65	84	8432	2.54	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	5210	2.69	ug/L	0.00
29) Benzene-d6	8.28	84	18095	2.50	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	5324	2.55	ug/L	0.00
37) Toluene-d8	10.33	98	20390	2.72	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	2467	2.38	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	2268	3.94	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	4854	2.31	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	8324	2.93	ug/L	0.00

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.00	85	6981	2.377	ug/L	93
3) Chloromethane	2.22	50	4731	2.257	ug/L	94
5) Vinyl chloride	2.36	62	4362	2.379	ug/L	98
6) Bromomethane	2.77	94	2527	2.442	ug/L	97
8) Chloroethane	2.92	64	2650	2.849	ug/L	88
9) Trichlorofluoromethane	3.27	101	8162	2.386	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	4803	2.378	ug/L #	90
12) 1,1-Dichloroethene	4.04	96	4163	2.285	ug/L	85
13) Acetone	4.14	43	2731	5.789	ug/L	96
14) Carbon disulfide	4.39	76	13846	2.164	ug/L	98
15) Methyl Acetate	4.68	43	2145	1.857	ug/L #	81
16) Methylene chloride	4.92	84	7957	3.202	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	10480	2.166	ug/L #	65
18) trans-1,2-Dichloroethene	5.43	96	4668	2.316	ug/L	92
19) 1,1-Dichloroethane	6.23	63	7258	2.171	ug/L	97
21) 2-Butanone	7.18	43	3500	5.083	ug/L	89
22) cis-1,2-Dichloroethene	7.18	96	4918	2.315	ug/L	94
23) Bromochloromethane	7.52	128	2101m	2.232	ug/L	99
25) Chloroform	7.68	83	8476	2.375	ug/L	97
27) 1,2-Dichloroethane	8.41	62	5494	2.276	ug/L	98
30) Cyclohexane	7.96	56	7634	2.233	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	7177	2.181	ug/L	98
32) Carbon tetrachloride	8.08	117	6563	2.243	ug/L	96
34) Benzene	8.33	78	17732	2.175	ug/L	100
35) Trichloroethene	9.10	95	4972	2.253	ug/L	95
36) Methylcyclohexane	9.34	83	9329	2.313	ug/L	98
40) 1,2-Dichloropropane	9.37	63	4312	2.171	ug/L #	97
41) Bromodichloromethane	9.65	83	5652	2.214	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	6438	2.043	ug/L	93
43) 4-Methyl-2-pentanone	10.21	43	6974	4.232	ug/L	98

12/03/18 SY

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Quantitation Report (QT Reviewed)

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Operator : SY/AP
Sample : VSTD2.586
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.586

Manual Integrations
APPROVED

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Quant Time: Nov 30 15:14:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 30 14:38:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	22140	2.302	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	5713	2.039	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	3509	2.214	ug/L	93
47) Tetrachloroethene	10.87	164	4443	2.350	ug/L	94
49) 2-Hexanone	10.97	43	4253	3.770	ug/L	98
50) Dibromochloromethane	11.13	129	3850	1.976	ug/L	95
51) 1,2-Dibromoethane	11.24	107	3377	2.047	ug/L	96
52) Chlorobenzene	11.66	112	15205	2.405	ug/L	97
53) Ethylbenzene	11.74	91	25820	2.308	ug/L	97
54) m,p-Xylene	11.85	106	10246	2.363	ug/L	98
55) o-xylene	12.17	106	9604	2.359	ug/L	96
56) Styrene	12.18	104	15272	2.237	ug/L	98
57) Isopropylbenzene	12.47	105	26065	2.346	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	4284	1.980	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	3341	1.979	ug/L	94
62) Bromoform	12.35	173	2332	2.060	ug/L #	95
63) 1,3-Dichlorobenzene	13.51	146	12674	2.490	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	12931	2.519	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	11588	2.455	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	879m	1.949	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	9639	2.535	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	8384	2.631	ug/L	99
69) Naphthalene	15.38	128	16270	2.146	ug/L	98
70) 1,2,3-Trichlorobenzene	15.57	180	7163	2.474	ug/L	97

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

12/02/18 SY

Data File : VW007143.D
Acq On : 30 Nov 2018 14:43
Operator : SY/AP
Sample : VSTD2.586
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.586

Manual Integrations APPROVED

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Quant Time: Nov 30 15:14:35 2018
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