

Data File : VV011138.D
Acq On : 30 May 2019 15:30
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

Quant Time: May 31 01:42:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Thu May 30 14:54:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	339905	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	333796	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	165090	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101457	22.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.24%
7) Chloroethane-d5	1.56	69	81695	23.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.44%
10) 1,1-Dichloroethene-d2	2.12	63	210495	22.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.20%
20) 2-Butanone-d5	3.94	46	83404	49.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.24%
24) Chloroform-d	4.40	84	194467	23.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.64%
26) 1,2-Dichloroethane-d4	5.08	65	134530	24.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.40%
29) Benzene-d6	5.09	84	437567	24.14	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.56%
33) 1,2-Dichloropropane-d6	6.12	67	141652	24.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.56%
37) Toluene-d8	7.36	98	403246	23.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.32%
38) trans-1,3-Dichloropropene-	7.66	79	63940	24.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.32%
39) 2-Hexanone-d5	8.13	63	63921	48.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.84%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	128582	24.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.24%
61) 1,2-Dichlorobenzene-d4	11.67	152	150869	24.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	125537	22.871 ug/L	99
3) Chloromethane	1.25	50	129423	24.116 ug/L	100
5) Vinyl chloride	1.32	62	122234	22.846 ug/L	99
6) Bromomethane	1.51	94	69313	24.032 ug/L	98
8) Chloroethane	1.58	64	73839	23.853 ug/L	98
9) Trichlorofluoromethane	1.76	101	175248	22.766 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	91879	22.284 ug/L	99
12) 1,1-Dichloroethene	2.13	96	86615	22.678 ug/L	93
13) Acetone	2.19	43	86886	44.433 ug/L	98
14) Carbon disulfide	2.31	76	279088	22.753 ug/L	99
15) Methyl Acetate	2.46	43	64164	21.807 ug/L	98
16) Methylene chloride	2.53	84	119608	23.091 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	312251	23.583 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	106114	22.809 ug/L	97
19) 1,1-Dichloroethane	3.23	63	213691	23.739 ug/L	100
21) 2-Butanone	4.02	43	107921	47.043 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	124737	24.006 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	55256	24.168	ug/L	97
25) Chloroform	4.42	83	236962	24.639	ug/L	99
27) 1,2-Dichloroethane	5.18	62	164927	24.490	ug/L	99
30) Cyclohexane	4.72	56	192896	21.610	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	174635	22.845	ug/L	98
32) Carbon tetrachloride	4.87	117	144287	22.264	ug/L	100
34) Benzene	5.14	78	462427	23.370	ug/L	100
35) Trichloroethene	5.96	95	117860	22.715	ug/L	99
36) Methylcyclohexane	6.17	83	188682	21.489	ug/L	99
40) 1,2-Dichloropropane	6.22	63	124203	23.878	ug/L	99
41) Bromodichloromethane	6.55	83	163567	24.142	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	190207	23.001	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	213222	45.123	ug/L	99
44) Toluene	7.43	91	502090	23.245	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	170827	24.202	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	95539	23.548	ug/L	98
47) Tetrachloroethene	8.02	164	85605	22.264	ug/L	98
49) 2-Hexanone	8.18	43	155202	45.586	ug/L	99
50) Dibromochloromethane	8.29	129	108997	23.773	ug/L	98
51) 1,2-Dibromoethane	8.40	107	92388	23.479	ug/L	100
52) Chlorobenzene	8.92	112	327609	23.694	ug/L	99
53) Ethylbenzene	9.05	91	575751	23.231	ug/L	99
54) m,p-Xylene	9.18	106	212419	23.042	ug/L	98
55) o-xylene	9.59	106	215500	23.769	ug/L	97
56) Styrene	9.60	104	372210	24.441	ug/L	99
57) Isopropylbenzene	9.97	105	560469	23.151	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	126340	22.916	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	96837	23.229	ug/L	100
62) Bromoform	9.77	173	60520	23.515	ug/L	100
63) 1,3-Dichlorobenzene	11.22	146	255607	23.901	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	256108	23.600	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	244564	24.154	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	22066	22.461	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	189678	23.728	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	154826	24.136	ug/L	98
69) Naphthalene	13.55	128	337039	25.558	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	146751	24.667	ug/L	99

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

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