

Data File : VV011177.D
Acq On : 31 May 2019 13:11
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02581

Quant Time: May 31 23:21:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 23:16:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	392495	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	372494	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	169031	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	117479	22.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.48%
7) Chloroethane-d5	1.56	69	94279	23.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.36%
10) 1,1-Dichloroethene-d2	2.11	63	255815	23.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.88%
20) 2-Butanone-d5	3.93	46	103296	53.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.44%
24) Chloroform-d	4.39	84	174206	18.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	72.64%
26) 1,2-Dichloroethane-d4	5.07	65	149370	23.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.56%
29) Benzene-d6	5.09	84	467611	23.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.44%
33) 1,2-Dichloropropane-d6	6.11	67	148975	22.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.92%
37) Toluene-d8	7.35	98	454562	23.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.28%
38) trans-1,3-Dichloropropene-	7.66	79	69923	23.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.36%
39) 2-Hexanone-d5	8.13	63	69402	47.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.22%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	141432	24.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.84%
61) 1,2-Dichlorobenzene-d4	11.67	152	151296	23.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.68%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.13	85	158330	24.981	ug/L	100
3) Chloromethane	1.24	50	146681	23.670	ug/L	98
5) Vinyl chloride	1.31	62	151674	24.550	ug/L	99
6) Bromomethane	1.51	94	77567	23.290	ug/L	98
8) Chloroethane	1.58	64	88153	24.662	ug/L	100
9) Trichlorofluoromethane	1.75	101	221950	24.969	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.12	101	111510	23.422	ug/L	99
12) 1,1-Dichloroethene	2.12	96	104087	23.601	ug/L	98
13) Acetone	2.18	43	115711	51.245	ug/L	99
14) Carbon disulfide	2.30	76	322765	22.788	ug/L	99
15) Methyl Acetate	2.45	43	76755	22.591	ug/L	96
16) Methylene chloride	2.52	84	130293	21.783	ug/L	99
17) Methyl tert-butyl Ether	2.80	73	319759	20.914	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	122010	22.712	ug/L	97
19) 1,1-Dichloroethane	3.22	63	240522	23.140	ug/L	98
21) 2-Butanone	4.01	43	125858	47.511	ug/L	100
22) cis-1,2-Dichloroethene	3.95	96	136162	22.693	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	59055	22.369	ug/L	91
25) Chloroform	4.41	83	310800	27.987	ug/L	100
27) 1,2-Dichloroethane	5.17	62	179689	23.107	ug/L	98
30) Cyclohexane	4.71	56	220462	22.133	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	200423	23.494	ug/L	99
32) Carbon tetrachloride	4.86	117	165112	22.830	ug/L	100
34) Benzene	5.14	78	502640	22.763	ug/L	100
35) Trichloroethene	5.95	95	131749	22.754	ug/L	98
36) Methylcyclohexane	6.17	83	233990	23.881	ug/L	99
40) 1,2-Dichloropropane	6.22	63	132667	22.856	ug/L	99
41) Bromodichloromethane	6.55	83	168623	22.303	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	208474	22.591	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	238657	45.259	ug/L	99
44) Toluene	7.43	91	572519	23.752	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	186251	23.646	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	104320	23.041	ug/L	99
47) Tetrachloroethene	8.02	164	103164	24.044	ug/L	97
49) 2-Hexanone	8.18	43	171771	45.211	ug/L	98
50) Dibromochloromethane	8.29	129	116297	22.730	ug/L	99
51) 1,2-Dibromoethane	8.39	107	102876	23.428	ug/L	99
52) Chlorobenzene	8.92	112	352851	22.869	ug/L	99
53) Ethylbenzene	9.05	91	648487	23.447	ug/L	99
54) m,p-Xylene	9.18	106	228163	22.179	ug/L	98
55) o-xylene	9.59	106	228747	22.609	ug/L	97
56) Styrene	9.60	104	385604	22.690	ug/L	96
57) Isopropylbenzene	9.97	105	623495	23.079	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	138589	22.526	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	106403	22.872	ug/L	99
62) Bromoform	9.77	173	63359	24.044	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	255682	23.351	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	255676	23.011	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	240428	23.192	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	21473	21.348	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	187713	22.935	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	148955	22.679	ug/L	99
69) Naphthalene	13.55	128	317723	23.532	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	139173	22.848	ug/L	99

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

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