

Data File : VV011179.D
Acq On : 31 May 2019 15:24
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02582

Quant Time: Jun 01 00:23:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 08:21:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	319479	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	302324	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	149117	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	102694	23.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.04%
7) Chloroethane-d5	1.57	69	86414	26.00	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.00%
10) 1,1-Dichloroethene-d2	2.12	63	220565	24.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.44%
20) 2-Butanone-d5	3.94	46	92188	58.35	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.70%
24) Chloroform-d	4.40	84	174470	22.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.36%
26) 1,2-Dichloroethane-d4	5.08	65	135637	26.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.60%
29) Benzene-d6	5.09	84	425772	25.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.72%
33) 1,2-Dichloropropane-d6	6.11	67	137300	26.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.40%
37) Toluene-d8	7.36	98	401310	25.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.64%
38) trans-1,3-Dichloropropene-	7.66	79	61998	26.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.16%
39) 2-Hexanone-d5	8.13	63	63570	53.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.34%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	128385	27.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.32%
61) 1,2-Dichlorobenzene-d4	11.67	152	146423	26.24	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.96%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	127747	24.762	ug/L	99
3) Chloromethane	1.25	50	121149	24.018	ug/L	99
5) Vinyl chloride	1.32	62	122813	24.422	ug/L	100
6) Bromomethane	1.52	94	68302	25.196	ug/L	99
8) Chloroethane	1.59	64	73393	25.225	ug/L	100
9) Trichlorofluoromethane	1.76	101	182508	25.224	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	91351	23.573	ug/L	99
12) 1,1-Dichloroethene	2.13	96	85570	23.837	ug/L	96
13) Acetone	2.20	43	97034	52.795	ug/L	98
14) Carbon disulfide	2.31	76	259761	22.531	ug/L	100
15) Methyl Acetate	2.46	43	63554	22.980	ug/L	100
16) Methylene chloride	2.53	84	106632	21.902	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	284303	22.845	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	99847	22.834	ug/L	97
19) 1,1-Dichloroethane	3.23	63	193961	22.925	ug/L	98
21) 2-Butanone	4.03	43	105174	48.776	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	113048	23.147	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	49126	22.860	ug/L	90
25) Chloroform	4.42	83	243060	26.889	ug/L	100
27) 1,2-Dichloroethane	5.18	62	152416	24.079	ug/L	98
30) Cyclohexane	4.72	56	189536	23.444	ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	167968	24.260	ug/L	99
32) Carbon tetrachloride	4.87	117	143052	24.371	ug/L	100
34) Benzene	5.14	78	426601	23.803	ug/L	100
35) Trichloroethene	5.96	95	112937	24.032	ug/L	99
36) Methylcyclohexane	6.17	83	183993	23.137	ug/L	98
40) 1,2-Dichloropropane	6.22	63	109770	23.300	ug/L	99
41) Bromodichloromethane	6.55	83	143938	23.457	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	177775	23.735	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	197878	46.235	ug/L	99
44) Toluene	7.43	91	466293	23.835	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	150708	23.575	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	87067	23.694	ug/L	98
47) Tetrachloroethene	8.02	164	81953	23.533	ug/L	97
49) 2-Hexanone	8.18	43	153835	49.888	ug/L	97
50) Dibromochloromethane	8.29	129	97951	23.587	ug/L	100
51) 1,2-Dibromoethane	8.40	107	84910	23.824	ug/L #	98
52) Chlorobenzene	8.92	112	294877	23.547	ug/L	98
53) Ethylbenzene	9.05	91	536540	23.902	ug/L	98
54) m,p-Xylene	9.18	106	199875	23.939	ug/L	99
55) o-xylene	9.59	106	197523	24.054	ug/L	98
56) Styrene	9.60	104	337099	24.439	ug/L	99
57) Isopropylbenzene	9.97	105	528755	24.115	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	113372	22.704	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	89708	23.759	ug/L	99
62) Bromoform	9.77	173	53320	22.936	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	229694	23.779	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	233197	23.791	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	216348	23.656	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	20014	22.555	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	172309	23.864	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	142949	24.672	ug/L	99
69) Naphthalene	13.55	128	309164	25.956	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	133637	24.869	ug/L	99

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

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