

Data File : VU033739.D

Acq On : 11 Aug 2019 01:56

Operator : JC/SP

Sample : VSTDCCC050EC

Misc : 5.0mL/MSVOA_U/WATER

ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

Quant Time: Aug 11 04:54:48 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M

Quant Title : VOC Analysis

QLast Update : Sun Aug 11 04:51:09 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	307021	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	304470	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	168170	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	117065	51.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.60%
7) Chloroethane-d5	1.67	69	95614	42.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.42%
11) 1,1-Dichloroethene-d2	2.26	63	201517	53.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.06%
21) 2-Butanone-d5	4.14	46	157535	112.44	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.44%
24) Chloroform-d	4.62	84	185769	55.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.64%
26) 1,2-Dichloroethane-d4	5.28	65	115237	54.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.78%
32) Benzene-d6	5.32	84	378294	52.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.30%
36) 1,2-Dichloropropane-d6	6.31	67	116307	52.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.50%
41) Toluene-d8	7.55	98	353834	52.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.70%
43) trans-1,3-Dichloropropene-	7.83	79	55587	49.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.84%
47) 2-Hexanone-d5	8.29	63	124532	109.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.03%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	184353	56.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.04%
64) 1,2-Dichlorobenzene-d4	11.84	152	144576	51.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	115043	51.365 ug/L	100
3) Chloromethane	1.32	50	117419	50.616 ug/L	99
5) Vinyl chloride	1.40	62	141043	54.572 ug/L	98
6) Bromomethane	1.61	94	70129	33.445 ug/L	98
8) Chloroethane	1.69	64	88385	44.921 ug/L	100
9) Trichlorofluoromethane	1.87	101	191420	54.620 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	97352	52.968 ug/L	97
12) 1,1-Dichloroethene	2.27	96	93532	51.807 ug/L	96
13) Acetone	2.30	43	132144	93.803 ug/L	99
14) Carbon disulfide	2.46	76	269672	53.210 ug/L	100
15) Methyl Acetate	2.59	43	129746	55.277 ug/L	98
16) Methylene chloride	2.68	84	111816	53.377 ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	100017	51.690 ug/L	96
18) Methyl tert-butyl Ether	2.98	73	328061	51.837 ug/L	100
19) 1,1-Dichloroethane	3.42	63	195946	53.661 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	117833	53.388 ug/L	97
22) 2-Butanone	4.23	43	195485	111.491 ug/L	96

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VSTD05060

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	59596	52.479	ug/L	93
25) Chloroform	4.65	83	207065	54.361	ug/L	99
27) 1,2-Dichloroethane	5.38	62	157488	54.287	ug/L	98
29) Cyclohexane	4.97	56	157024	48.872	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	170667	51.655	ug/L	99
31) Carbon tetrachloride	5.11	117	151308	51.044	ug/L	97
33) Benzene	5.37	78	433563	51.169	ug/L	100
34) Trichloroethene	6.16	95	111888	50.046	ug/L	94
35) Methylcyclohexane	6.39	83	169559	49.824	ug/L	98
37) 1,2-Dichloropropane	6.41	63	119725	52.945	ug/L	100
38) Bromodichloromethane	6.74	83	152228	52.391	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	175816	48.925	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	366924	109.105	ug/L	100
42) Toluene	7.62	91	476732	52.008	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	159596	49.853	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	114831	51.946	ug/L	98
46) Tetrachloroethene	8.21	164	90347	49.023	ug/L	98
48) 2-Hexanone	8.34	43	293999	111.025	ug/L	99
49) Dibromochloromethane	8.46	129	130108	52.528	ug/L	98
50) 1,2-Dibromoethane	8.57	107	125832	51.484	ug/L	100
51) Chlorobenzene	9.10	112	308805	51.250	ug/L	98
52) Ethylbenzene	9.23	91	517320	51.590	ug/L	99
53) m,p-Xylene	9.36	106	197112	51.496	ug/L	98
54) o-xylene	9.76	106	196199	51.859	ug/L	99
55) Styrene	9.77	104	343318	54.078	ug/L	99
56) Isopropylbenzene	10.15	105	510159	51.384	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	213193	54.899	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	167692	54.855	ug/L	99
61) Bromoform	9.94	173	102777	50.911	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	256114	50.028	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	260840	50.302	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	259101	51.195	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	51665	54.033	ug/L	96
67) 1,3,5-Trichlorobenzene	12.87	180	195680	48.032	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	175266	47.553	ug/L	98
69) Naphthalene	13.73	128	555012	50.274	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	183760	48.227	ug/L	98

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

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