

Data File : VU036361.D
Acq On : 27 Dec 2019 18:04
Operator : JC/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

Quant Time: Dec 28 00:11:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 28 00:08:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	551319	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	535763	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	259615	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	188108	43.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.58%
7) Chloroethane-d5	1.93	69	165657	45.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.42%
11) 1,1-Dichloroethene-d2	2.59	63	339642	46.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.82%
21) 2-Butanone-d5	4.68	46	308549	96.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.45%
24) Chloroform-d	5.11	84	356443	47.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.08%
26) 1,2-Dichloroethane-d4	5.75	65	231407	46.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.10%
32) Benzene-d6	5.77	84	687594	46.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.73	67	230853	46.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.30%
41) Toluene-d8	7.93	98	645923	45.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.22%
43) trans-1,3-Dichloropropene-	8.21	79	125360	46.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.36%
47) 2-Hexanone-d5	8.67	63	236276	91.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.58%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	352467	46.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.92%
64) 1,2-Dichlorobenzene-d4	12.21	152	247524	45.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.90%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	221448	50.291 ug/L	100
3) Chloromethane	1.54	50	203349	50.755 ug/L	99
5) Vinyl chloride	1.62	62	220945	47.513 ug/L	99
6) Bromomethane	1.87	94	116998	52.061 ug/L	96
8) Chloroethane	1.95	64	130318	46.577 ug/L	98
9) Trichlorofluoromethane	2.16	101	321967	49.248 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	159326	49.230 ug/L	96
12) 1,1-Dichloroethene	2.61	96	158299	49.618 ug/L	98
13) Acetone	2.66	43	292555	88.169 ug/L	100
14) Carbon disulfide	2.82	76	485641	49.191 ug/L	99
15) Methyl Acetate	2.99	43	228256	51.157 ug/L	98
16) Methylene chloride	3.08	84	194425	49.785 ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	172220	50.002 ug/L	97
18) Methyl tert-butyl Ether	3.41	73	618463	49.430 ug/L	99
19) 1,1-Dichloroethane	3.92	63	337572	48.896 ug/L	94
20) cis-1,2-Dichloroethene	4.71	96	206065	49.463 ug/L	95
22) 2-Butanone	4.76	43	377790	96.380 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	99528	49.767	ug/L	98
25) Chloroform	5.13	83	358855	48.783	ug/L	97
27) 1,2-Dichloroethane	5.84	62	282235	49.634	ug/L	99
29) Cyclohexane	5.43	56	310217	49.973	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	322548	49.120	ug/L	100
31) Carbon tetrachloride	5.57	117	282240	49.585	ug/L	100
33) Benzene	5.82	78	771474	49.019	ug/L	100
34) Trichloroethene	6.58	95	200609	49.442	ug/L	99
35) Methylcyclohexane	6.80	83	322536	49.803	ug/L	99
37) 1,2-Dichloropropane	6.83	63	207909	48.785	ug/L	99
38) Bromodichloromethane	7.14	83	287822	47.873	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	355180	49.784	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	673245	92.964	ug/L	99
42) Toluene	8.00	91	845242	48.772	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	321386	48.354	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	198758	49.990	ug/L	98
46) Tetrachloroethene	8.58	164	146727	50.260	ug/L	99
48) 2-Hexanone	8.72	43	536684	96.313	ug/L	96
49) Dibromochloromethane	8.84	129	232753	47.692	ug/L	99
50) 1,2-Dibromoethane	8.95	107	223635	48.499	ug/L	99
51) Chlorobenzene	9.47	112	531691	48.607	ug/L	99
52) Ethylbenzene	9.60	91	962515	48.798	ug/L	99
53) m,p-Xylene	9.72	106	363742	49.713	ug/L	100
54) o-xylene	10.13	106	357511	48.697	ug/L	97
55) Styrene	10.14	104	619466	49.904	ug/L	99
56) Isopropylbenzene	10.51	105	937770	49.008	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	362568	48.243	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	285371	47.725	ug/L	99
61) Bromoform	10.32	173	179211	46.452	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	412734	49.197	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	399895	48.052	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	411421	48.946	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	91089	46.440	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	276563	49.643	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	221036	52.352	ug/L	97
69) Naphthalene	14.10	128	739795	50.992	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	223634	50.436	ug/L	99

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

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