

Data File : VU033729.D

Acq On : 10 Aug 2019 20:30

Operator : JC/SP

Sample : VSTDCCC050

Misc : 5.0mL/MSVOA_U/WATER

ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Quant Time: Aug 11 04:28:42 2019

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

Quant Title : VOC Analysis

QLast Update : Sun Aug 11 04:24:38 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	325655	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	318350	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	175903	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	116667	48.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.34%
7) Chloroethane-d5	1.67	69	93895	39.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.16%
11) 1,1-Dichloroethene-d2	2.26	63	198524	49.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.50%
21) 2-Butanone-d5	4.14	46	164252	110.52	ug/L	-0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.52%
24) Chloroform-d	4.62	84	184660	51.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.70%
26) 1,2-Dichloroethane-d4	5.29	65	114529	51.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.86%
32) Benzene-d6	5.32	84	376343	50.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.18%
36) 1,2-Dichloropropane-d6	6.31	67	114851	49.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.62%
41) Toluene-d8	7.55	98	351004	49.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.34%
43) trans-1,3-Dichloropropene-	7.83	79	54799	47.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.14%
47) 2-Hexanone-d5	8.29	63	127080	106.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.41%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	179439	52.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.22%
64) 1,2-Dichlorobenzene-d4	11.84	152	141563	47.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.64%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	113041	47.583	ug/L 99
3) Chloromethane	1.32	50	117713	47.839	ug/L 100
5) Vinyl chloride	1.40	62	134852	49.191	ug/L 99
6) Bromomethane	1.61	94	83251	37.431	ug/L 96
8) Chloroethane	1.68	64	84808	40.637	ug/L 98
9) Trichlorofluoromethane	1.87	101	183477	49.358	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	96074	49.282	ug/L 98
12) 1,1-Dichloroethene	2.27	96	92093	48.091	ug/L 98
13) Acetone	2.30	43	124309	83.192	ug/L 96
14) Carbon disulfide	2.46	76	260918	48.536	ug/L 99
15) Methyl Acetate	2.59	43	129779	52.127	ug/L 96
16) Methylene chloride	2.68	84	108027	48.618	ug/L 99
17) trans-1,2-Dichloroethene	2.96	96	97670	47.589	ug/L 99
18) Methyl tert-butyl Ether	2.98	73	315243	46.962	ug/L 100
19) 1,1-Dichloroethane	3.42	63	188351	48.630	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	111239	47.517	ug/L 95
22) 2-Butanone	4.23	43	185486	99.735	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	59395	49.310	ug/L	98
25) Chloroform	4.65	83	194372	48.109	ug/L	97
27) 1,2-Dichloroethane	5.38	62	151613	49.271	ug/L	99
29) Cyclohexane	4.97	56	153079	45.567	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	166446	48.181	ug/L	98
31) Carbon tetrachloride	5.11	117	146175	47.162	ug/L	99
33) Benzene	5.36	78	422114	47.646	ug/L	100
34) Trichloroethene	6.16	95	106404	45.518	ug/L	95
35) Methylcyclohexane	6.40	83	167130	46.969	ug/L	99
37) 1,2-Dichloropropane	6.41	63	113140	47.852	ug/L	100
38) Bromodichloromethane	6.74	83	145258	47.812	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	172949	46.029	ug/L	97
40) 4-Methyl-2-pentanone	7.44	43	347541	98.836	ug/L	100
42) Toluene	7.62	91	454094	47.378	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	157006	46.906	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	110166	47.663	ug/L	98
46) Tetrachloroethene	8.21	164	89612	46.504	ug/L	96
48) 2-Hexanone	8.34	43	280012	101.133	ug/L	100
49) Dibromochloromethane	8.46	129	125042	48.281	ug/L	98
50) 1,2-Dibromoethane	8.57	107	120373	47.103	ug/L	100
51) Chlorobenzene	9.10	112	296307	47.031	ug/L	99
52) Ethylbenzene	9.23	91	494149	47.131	ug/L	99
53) m,p-Xylene	9.36	106	187843	46.935	ug/L	97
54) o-xylene	9.76	106	188341	47.612	ug/L	96
55) Styrene	9.77	104	320767	48.323	ug/L	99
56) Isopropylbenzene	10.15	105	489586	47.162	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	204930	50.471	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	159674	49.955	ug/L	99
61) Bromoform	9.94	173	97950	46.387	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	248679	46.440	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	249949	46.082	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	249954	47.216	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	49038	49.031	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	189433	44.454	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	171170	44.400	ug/L	98
69) Naphthalene	13.73	128	545983	47.282	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	180964	45.405	ug/L	98

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

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