

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011020\
 Data File : VU036434.D
 Acq On : 10 Jan 2020 17:43
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

Quant Time: Jan 10 23:00:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 10 22:57:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	466509	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	446953	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	205535	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	196563	54.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.14%
7) Chloroethane-d5	1.93	69	160546	52.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.72%
11) 1,1-Dichloroethene-d2	2.59	63	338864	54.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.44%
21) 2-Butanone-d5	4.68	46	303053	111.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.95%
24) Chloroform-d	5.11	84	358751	56.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.08%
26) 1,2-Dichloroethane-d4	5.75	65	238396	56.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.34%
32) Benzene-d6	5.77	84	690610	55.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.00%
36) 1,2-Dichloropropane-d6	6.73	67	221238	53.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.04%
41) Toluene-d8	7.93	98	648032	54.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.50%
43) trans-1,3-Dichloropropene-	8.21	79	115309	50.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.84%
47) 2-Hexanone-d5	8.67	63	237367	110.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.28%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	336218	53.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.24%
64) 1,2-Dichlorobenzene-d4	12.21	152	229359	53.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	169467	45.482	ug/L 100
3) Chloromethane	1.54	50	154796	45.660	ug/L 98
5) Vinyl chloride	1.62	62	169992	43.201	ug/L 99
6) Bromomethane	1.87	94	98821	51.967	ug/L 98
8) Chloroethane	1.95	64	105790	44.684	ug/L 98
9) Trichlorofluoromethane	2.16	101	249338	45.072	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	141435	51.646	ug/L 99
12) 1,1-Dichloroethene	2.61	96	130612	48.383	ug/L 84
13) Acetone	2.66	43	218400	77.787	ug/L 100
14) Carbon disulfide	2.82	76	336843	40.322	ug/L 100
15) Methyl Acetate	2.99	43	200715	53.162	ug/L 97
16) Methylene chloride	3.08	84	167205	50.598	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	144386	49.542	ug/L 94
18) Methyl tert-butyl Ether	3.41	73	554580	52.382	ug/L 99
19) 1,1-Dichloroethane	3.92	63	295807	50.636	ug/L 94
20) cis-1,2-Dichloroethene	4.72	96	176643	50.109	ug/L # 88
22) 2-Butanone	4.76	43	311433	93.895	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	86095	50.876	ug/L	96
25) Chloroform	5.13	83	322785	51.857	ug/L	97
27) 1,2-Dichloroethane	5.84	62	257884	53.596	ug/L	98
29) Cyclohexane	5.43	56	255220	49.283	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	277054	50.576	ug/L	97
31) Carbon tetrachloride	5.57	117	234549	49.394	ug/L	98
33) Benzene	5.82	78	656004	49.964	ug/L	100
34) Trichloroethene	6.58	95	173038	51.121	ug/L	97
35) Methylcyclohexane	6.80	83	254219	47.054	ug/L	99
37) 1,2-Dichloropropane	6.83	63	181292	50.992	ug/L	100
38) Bromodichloromethane	7.14	83	252062	50.255	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	296987	49.898	ug/L	98
40) 4-Methyl-2-pentanone	7.83	43	596632	98.755	ug/L	99
42) Toluene	8.00	91	721986	49.938	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	266432	48.051	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	179091	53.994	ug/L	98
46) Tetrachloroethene	8.58	164	113742	46.703	ug/L	96
48) 2-Hexanone	8.72	43	455916	98.075	ug/L	95
49) Dibromochloromethane	8.84	129	203040	49.871	ug/L	97
50) 1,2-Dibromoethane	8.95	107	194651	50.602	ug/L	97
51) Chlorobenzene	9.47	112	463715	50.816	ug/L	99
52) Ethylbenzene	9.60	91	817009	49.651	ug/L	98
53) m,p-Xylene	9.72	106	302051	49.485	ug/L	98
54) o-xylene	10.13	106	304935	49.789	ug/L	94
55) Styrene	10.14	104	510137	49.262	ug/L	99
56) Isopropylbenzene	10.51	105	803207	50.317	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	312449	49.835	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	259724	52.067	ug/L	98
61) Bromoform	10.32	173	142030	46.501	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	329231	49.569	ug/L	97
63) 1,4-Dichlorobenzene	11.86	146	328728	49.894	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	336081	50.503	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	72926	46.963	ug/L	90
67) 1,3,5-Trichlorobenzene	13.24	180	195961	44.430	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	144685	43.285	ug/L	97
69) Naphthalene	14.10	128	482832	42.037	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	148905	42.419	ug/L	95

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

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