

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061020\
 Data File : VU038752.D
 Acq On : 10 Jun 2020 02:30
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Quant Time: Jun 10 05:13:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 10 05:09:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	544712	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	531430	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	262120	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	130824	42.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.98%
7) Chloroethane-d5	1.93	69	115577	48.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.90%
11) 1,1-Dichloroethene-d2	2.59	63	307103	46.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.60%
21) 2-Butanone-d5	4.67	46	312930	105.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.69%
24) Chloroform-d	5.10	84	333151	50.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.54%
26) 1,2-Dichloroethane-d4	5.74	65	219825	50.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.10%
32) Benzene-d6	5.76	84	627661	49.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.06%
36) 1,2-Dichloropropane-d6	6.72	67	196828	49.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.78%
41) Toluene-d8	7.92	98	556387	48.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	8.20	79	100252	50.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.94%
47) 2-Hexanone-d5	8.65	63	226804	108.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.00%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	303974	51.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.30%
64) 1,2-Dichlorobenzene-d4	12.20	152	225077	49.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	195764	45.384	ug/L 100
3) Chloromethane	1.53	50	187910	45.159	ug/L 98
5) Vinyl chloride	1.62	62	204558	46.939	ug/L 94
6) Bromomethane	1.87	94	81020	35.697	ug/L 99
8) Chloroethane	1.95	64	134325	52.689	ug/L 95
9) Trichlorofluoromethane	2.16	101	288951	48.146	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	155469	44.442	ug/L 99
12) 1,1-Dichloroethene	2.60	96	168244	48.797	ug/L 95
13) Acetone	2.66	43	246321	103.242	ug/L 97
14) Carbon disulfide	2.82	76	537979	48.186	ug/L 100
15) Methyl Acetate	2.98	43	261776	52.504	ug/L 100
16) Methylene chloride	3.08	84	213362	52.121	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	190196	50.411	ug/L 100
18) Methyl tert-butyl Ether	3.40	73	649025	53.204	ug/L 100
19) 1,1-Dichloroethane	3.91	63	363757	50.881	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	214861	51.517	ug/L 100
22) 2-Butanone	4.75	43	391782	107.077	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	109206	52.865	ug/L	97
25) Chloroform	5.12	83	373788	52.243	ug/L	97
27) 1,2-Dichloroethane	5.83	62	315787	53.352	ug/L	99
29) Cyclohexane	5.42	56	260908	42.912	ug/L	98
30) 1,1,1-Trichloroethane	5.35	97	312148	49.989	ug/L	99
31) Carbon tetrachloride	5.56	117	251439	48.641	ug/L	100
33) Benzene	5.81	78	806187	51.086	ug/L	100
34) Trichloroethene	6.57	95	198560	49.471	ug/L	97
35) Methylcyclohexane	6.79	83	264591	43.712	ug/L	97
37) 1,2-Dichloropropane	6.82	63	209541	50.954	ug/L	99
38) Bromodichloromethane	7.13	83	281090	53.320	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	323144	50.952	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	681382	105.986	ug/L	100
42) Toluene	7.99	91	831076	50.366	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	311554	51.286	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	209330	52.886	ug/L	99
46) Tetrachloroethene	8.57	164	137020	47.320	ug/L	96
48) 2-Hexanone	8.70	43	570675	107.382	ug/L	99
49) Dibromochloromethane	8.83	129	216756	53.323	ug/L	96
50) 1,2-Dibromoethane	8.94	107	223849	52.617	ug/L	99
51) Chlorobenzene	9.47	112	527669	49.777	ug/L	99
52) Ethylbenzene	9.59	91	881601	48.410	ug/L	99
53) m,p-Xylene	9.71	106	348751	49.889	ug/L	99
54) o-xylene	10.12	106	343512	50.618	ug/L	97
55) Styrene	10.13	104	594776	50.557	ug/L	100
56) Isopropylbenzene	10.50	105	834947	47.141	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	349507	51.885	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	303785	52.685	ug/L	99
61) Bromoform	10.30	173	155638	54.136	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	401071	49.576	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	403255	49.226	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	411866	51.151	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	94711	56.759	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	279580	48.107	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	270342	49.344	ug/L	99
69) Naphthalene	14.11	128	1076296	55.569	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	287531	52.310	ug/L	100

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

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