

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060920\
 Data File : VU038677.D
 Acq On : 08 Jun 2020 18:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Quant Time: Jun 09 06:07:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 09 06:05:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	616893	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	601838	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	297624	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	170501	49.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.94%
7) Chloroethane-d5	1.93	69	134965	50.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.96%
11) 1,1-Dichloroethene-d2	2.59	63	358510	47.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.46%
21) 2-Butanone-d5	4.66	46	352779	105.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.21%
24) Chloroform-d	5.10	84	363305	48.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.78%
26) 1,2-Dichloroethane-d4	5.74	65	238677	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.92%
32) Benzene-d6	5.76	84	716624	49.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.86%
36) 1,2-Dichloropropane-d6	6.72	67	221813	49.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.30%
41) Toluene-d8	7.92	98	642503	49.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.08%
43) trans-1,3-Dichloropropene-	8.20	79	112085	49.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.66%
47) 2-Hexanone-d5	8.65	63	256105	107.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.69%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	336702	50.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.04%
64) 1,2-Dichlorobenzene-d4	12.20	152	254002	49.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	222563	45.560	ug/L 100
3) Chloromethane	1.53	50	227214	48.215	ug/L 98
5) Vinyl chloride	1.62	62	238018	48.226	ug/L 100
6) Bromomethane	1.87	94	128867	50.134	ug/L 99
8) Chloroethane	1.95	64	145342	50.340	ug/L 98
9) Trichlorofluoromethane	2.16	101	314703	46.301	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	178546	45.067	ug/L 97
12) 1,1-Dichloroethene	2.60	96	188350	48.237	ug/L 94
13) Acetone	2.66	43	268120	99.230	ug/L 97
14) Carbon disulfide	2.82	76	606226	47.945	ug/L 100
15) Methyl Acetate	2.98	43	287203	50.864	ug/L 100
16) Methylene chloride	3.08	84	224189	48.358	ug/L 99
17) trans-1,2-Dichloroethene	3.38	96	208264	48.741	ug/L 100
18) Methyl tert-butyl Ether	3.40	73	690485	49.979	ug/L 99
19) 1,1-Dichloroethane	3.91	63	385601	47.626	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	227879	48.245	ug/L 97
22) 2-Butanone	4.74	43	435185	105.023	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	116771	49.913	ug/L	96
25) Chloroform	5.12	83	394267	48.657	ug/L	97
27) 1,2-Dichloroethane	5.83	62	324598	48.424	ug/L	99
29) Cyclohexane	5.42	56	317107	46.054	ug/L	100
30) 1,1,1-Trichloroethane	5.35	97	336827	47.631	ug/L	99
31) Carbon tetrachloride	5.56	117	273828	46.775	ug/L	99
33) Benzene	5.81	78	868817	48.614	ug/L	100
34) Trichloroethene	6.57	95	216315	47.590	ug/L	99
35) Methylcyclohexane	6.79	83	314536	45.884	ug/L	100
37) 1,2-Dichloropropane	6.82	63	227224	48.790	ug/L	99
38) Bromodichloromethane	7.13	83	296604	49.680	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	354340	49.335	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	760927	104.513	ug/L	100
42) Toluene	7.99	91	911172	48.760	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	347652	50.534	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	221786	49.478	ug/L	99
46) Tetrachloroethene	8.57	164	155462	47.408	ug/L	97
48) 2-Hexanone	8.70	43	637197	105.872	ug/L	99
49) Dibromochloromethane	8.83	129	229450	49.842	ug/L	98
50) 1,2-Dibromoethane	8.94	107	242404	50.312	ug/L	99
51) Chlorobenzene	9.47	112	574667	47.868	ug/L	99
52) Ethylbenzene	9.59	91	984439	47.733	ug/L	99
53) m,p-Xylene	9.71	106	383558	48.449	ug/L	99
54) o-xylene	10.11	106	375817	48.900	ug/L	99
55) Styrene	10.13	104	654193	49.102	ug/L	97
56) Isopropylbenzene	10.50	105	954900	47.606	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	379241	49.712	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	326610	50.017	ug/L	99
61) Bromoform	10.31	173	168504	51.619	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	446338	48.590	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	449397	48.314	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	454885	49.755	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	103002	54.364	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	323651	49.047	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	316789	50.924	ug/L	100
69) Naphthalene	14.11	128	1251388	56.902	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	327153	52.419	ug/L	99

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

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