

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060920\
 Data File : VU038701.D
 Acq On : 09 Jun 2020 04:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

Quant Time: Jun 09 06:15:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 09 06:12:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	522573	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	492191	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	242442	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	145666	49.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.78%
7) Chloroethane-d5	1.93	69	119395	52.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.42%
11) 1,1-Dichloroethene-d2	2.59	63	294978	46.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.72%
21) 2-Butanone-d5	4.66	46	331729	116.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.79%
24) Chloroform-d	5.10	84	333242	52.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.88%
26) 1,2-Dichloroethane-d4	5.74	65	225609	54.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.14%
32) Benzene-d6	5.76	84	633963	53.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.94%
36) 1,2-Dichloropropane-d6	6.72	67	202516	55.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.84%
41) Toluene-d8	7.92	98	533808	49.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.64%
43) trans-1,3-Dichloropropene-	8.20	79	102792	55.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	111.76%
47) 2-Hexanone-d5	8.65	63	240004	123.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	123.40%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	309897	56.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.72%
64) 1,2-Dichlorobenzene-d4	12.20	152	211308	50.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	169976	41.075	ug/L 100
3) Chloromethane	1.53	50	201006	50.352	ug/L 99
5) Vinyl chloride	1.62	62	198189	47.404	ug/L 98
6) Bromomethane	1.87	94	117656	54.034	ug/L 99
8) Chloroethane	1.95	64	126767	51.831	ug/L 98
9) Trichlorofluoromethane	2.16	101	244549	42.474	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	128516	38.294	ug/L 99
12) 1,1-Dichloroethene	2.60	96	151772	45.885	ug/L 90
13) Acetone	2.66	43	253162	110.605	ug/L 96
14) Carbon disulfide	2.82	76	482379	45.036	ug/L 99
15) Methyl Acetate	2.98	43	270965	56.649	ug/L 100
16) Methylene chloride	3.08	84	212185	54.030	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	175202	48.404	ug/L 99
18) Methyl tert-butyl Ether	3.40	73	655111	55.978	ug/L 99
19) 1,1-Dichloroethane	3.91	63	352432	51.386	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	204031	50.993	ug/L 98
22) 2-Butanone	4.75	43	408688	116.430	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	108076	54.534	ug/L	99
25) Chloroform	5.12	83	360277	52.488	ug/L	99
27) 1,2-Dichloroethane	5.83	62	313785	55.260	ug/L	99
29) Cyclohexane	5.42	56	219173	38.922	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	279748	48.372	ug/L	99
31) Carbon tetrachloride	5.56	117	212596	44.406	ug/L	99
33) Benzene	5.81	78	746522	51.076	ug/L	100
34) Trichloroethene	6.57	95	177634	47.786	ug/L	97
35) Methylcyclohexane	6.79	83	212699	37.940	ug/L	99
37) 1,2-Dichloropropane	6.82	63	207126	54.383	ug/L	100
38) Bromodichloromethane	7.13	83	269769	55.252	ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	309932	52.765	ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	704316	118.288	ug/L	100
42) Toluene	7.99	91	740847	48.477	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	297764	52.924	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	202248	55.171	ug/L	97
46) Tetrachloroethene	8.57	164	113127	42.183	ug/L	99
48) 2-Hexanone	8.70	43	598121	121.519	ug/L	100
49) Dibromochloromethane	8.83	129	213339	56.666	ug/L	95
50) 1,2-Dibromoethane	8.94	107	220461	55.952	ug/L	98
51) Chlorobenzene	9.47	112	470804	47.953	ug/L	99
52) Ethylbenzene	9.59	91	753498	44.675	ug/L	100
53) m,p-Xylene	9.71	106	293914	45.396	ug/L	100
54) o-xylene	10.11	106	296029	47.099	ug/L	99
55) Styrene	10.13	104	530599	48.697	ug/L	99
56) Isopropylbenzene	10.50	105	703780	42.903	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	346515	55.542	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	304991	57.111	ug/L	99
61) Bromoform	10.31	173	151425	56.946	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	354717	47.405	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	359603	47.460	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	369716	49.643	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	93848	60.807	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	247829	46.105	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	246972	48.737	ug/L	99
69) Naphthalene	14.11	128	1066826	59.551	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	267277	52.572	ug/L	100

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

