

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073019\
 Data File : VU033481.D
 Acq On : 30 Jul 2019 09:15
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Quant Time: Jul 31 08:44:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM072919W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 30 04:12:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	280209	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	287662	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	154413	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	122908	48.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.62%
7) Chloroethane-d5	1.67	69	106131	50.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.98%
11) 1,1-Dichloroethene-d2	2.26	63	209519	45.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.06%
21) 2-Butanone-d5	4.15	46	149726	102.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.69%
24) Chloroform-d	4.62	84	198058	52.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.02%
26) 1,2-Dichloroethane-d4	5.28	65	128267	52.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.42%
32) Benzene-d6	5.32	84	401587	52.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.02%
36) 1,2-Dichloropropane-d6	6.31	67	127073	53.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.10%
41) Toluene-d8	7.55	98	380482	52.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.82%
43) trans-1,3-Dichloropropene-	7.83	79	61438	52.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.98%
47) 2-Hexanone-d5	8.30	63	107352	107.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.89%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	193166	52.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.10%
66) 1,2-Dichlorobenzene-d4	11.85	152	152299	51.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.66%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	146219	52.300	ug/L 100
3) Chloromethane	1.32	50	136545	48.919	ug/L 100
5) Vinyl chloride	1.40	62	158118	49.535	ug/L 99
6) Bromomethane	1.61	94	99009	44.379	ug/L 100
8) Chloroethane	1.69	64	97885	49.990	ug/L 99
9) Trichlorofluoromethane	1.87	101	214473	51.226	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	106197	50.476	ug/L 99
12) 1,1-Dichloroethene	2.27	96	98276	47.939	ug/L 99
13) Acetone	2.31	43	169896	117.580	ug/L 99
14) Carbon disulfide	2.46	76	303344	49.664	ug/L 99
15) Methyl Acetate	2.60	43	114063	49.223	ug/L 97
16) Methylene chloride	2.68	84	114344	50.769	ug/L 100
17) trans-1,2-Dichloroethene	2.96	96	103894	51.020	ug/L 97
18) Methyl tert-butyl Ether	2.98	73	310636	51.695	ug/L 99
19) 1,1-Dichloroethane	3.42	63	195684	51.039	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	115739	51.497	ug/L 99
22) 2-Butanone	4.23	43	188000	109.501	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	59552	49.889	ug/L	98
25) Chloroform	4.65	83	212435	52.260	ug/L	99
27) 1,2-Dichloroethane	5.38	62	159533	50.537	ug/L	98
29) Cyclohexane	4.97	56	165985	52.521	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	171707	50.131	ug/L	99
31) Carbon tetrachloride	5.11	117	155012	50.842	ug/L	100
33) Benzene	5.37	78	442522	51.468	ug/L	100
34) Trichloroethene	6.16	95	113354	50.601	ug/L	98
35) Methylcyclohexane	6.40	83	178570	52.423	ug/L	98
37) 1,2-Dichloropropane	6.41	63	116700	50.466	ug/L	100
38) Bromodichloromethane	6.74	83	155234	50.994	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	181428	52.614	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	312826	102.649	ug/L	99
42) Toluene	7.62	91	491782	53.150	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	163009	52.082	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	113433	51.431	ug/L	98
46) Tetrachloroethene	8.21	164	94197	51.671	ug/L	99
48) 2-Hexanone	8.34	43	259796	104.640	ug/L	99
49) Dibromochloromethane	8.46	129	126896	51.386	ug/L	99
50) 1,2-Dibromoethane	8.57	107	122436	51.172	ug/L	96
51) Chlorobenzene	9.10	112	311849	50.726	ug/L	100
52) Ethylbenzene	9.23	91	522685	52.112	ug/L	98
53) m,p-Xylene	9.36	106	204613	54.249	ug/L	98
54) o-xylene	9.76	106	199040	53.822	ug/L	98
55) Styrene	9.77	104	347640	55.396	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.44	83	200648	51.174	ug/L	98
59) Bromoform	9.94	173	94891	49.126	ug/L	99
60) 1,2,3-Trichloropropane	10.48	75	155367	49.388	ug/L	99
61) Isopropylbenzene	10.15	105	517454	52.319	ug/L	100
62) 1,3,5-Trimethylbenzene	10.76	105	438202	54.680	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	434853	54.714	ug/L	100
64) 1,3-Dichlorobenzene	11.40	146	251014	49.791	ug/L	98
65) 1,4-Dichlorobenzene	11.49	146	254426	48.852	ug/L	100
67) 1,2-Dichlorobenzene	11.86	146	252808	50.051	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.64	75	42879	49.026	ug/L	99
69) 1,3,5-Trichlorobenzene	12.87	180	190760	49.836	ug/L	100
70) 1,2,4-trichlorobenzene	13.49	180	158981	49.763	ug/L	99
71) Naphthalene	13.73	128	462889	50.108	ug/L	100
72) 1,2,3-Trichlorobenzene	13.97	180	168674	50.403	ug/L	99

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

