

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013120\
 Data File : VU036667.D
 Acq On : 01 Feb 2020 02:50
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Quant Time: Feb 01 05:40:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 01 00:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	287180	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	268590	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	119832	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	131295	50.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.30%
7) Chloroethane-d5	1.92	69	105857	50.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.42%
11) 1,1-Dichloroethene-d2	2.59	63	207558	50.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.30%
21) 2-Butanone-d5	4.68	46	157578	97.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.76%
24) Chloroform-d	5.11	84	193986	50.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.75	65	127357	50.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.24%
32) Benzene-d6	5.77	84	412245	50.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.38%
36) 1,2-Dichloropropane-d6	6.73	67	135482	50.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.40%
41) Toluene-d8	7.93	98	377734	50.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.70%
43) trans-1,3-Dichloropropene-	8.21	79	62090	47.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.52%
47) 2-Hexanone-d5	8.67	63	153135	102.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.80%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	189208	49.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.62%
64) 1,2-Dichlorobenzene-d4	12.21	152	126031	49.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	116544	51.500	ug/L 100
3) Chloromethane	1.54	50	138991	50.239	ug/L 99
5) Vinyl chloride	1.62	62	147290	51.789	ug/L 97
6) Bromomethane	1.85	94	77600	54.566	ug/L 99
8) Chloroethane	1.94	64	87736	51.794	ug/L 100
9) Trichlorofluoromethane	2.15	101	160503	51.586	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	91201	50.902	ug/L 99
12) 1,1-Dichloroethene	2.60	96	93079	51.071	ug/L 94
13) Acetone	2.66	43	128263	93.573	ug/L 99
14) Carbon disulfide	2.82	76	281457	50.599	ug/L 100
15) Methyl Acetate	2.98	43	127661	51.151	ug/L 99
16) Methylene chloride	3.08	84	115771	50.543	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	99517	51.385	ug/L 98
18) Methyl tert-butyl Ether	3.41	73	355445	51.835	ug/L 99
19) 1,1-Dichloroethane	3.91	63	201030	51.874	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	115412	51.613	ug/L 99
22) 2-Butanone	4.75	43	191742	102.310	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	52265	50.947	ug/L	97
25) Chloroform	5.13	83	193924	52.158	ug/L	99
27) 1,2-Dichloroethane	5.84	62	157932	51.960	ug/L	100
29) Cyclohexane	5.43	56	189075	52.138	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	157431	52.603	ug/L	99
31) Carbon tetrachloride	5.56	117	128298	52.837	ug/L	98
33) Benzene	5.82	78	449701	52.541	ug/L	100
34) Trichloroethene	6.58	95	109535	52.618	ug/L	97
35) Methylcyclohexane	6.80	83	185233	51.927	ug/L	99
37) 1,2-Dichloropropane	6.83	63	122853	52.951	ug/L	100
38) Bromodichloromethane	7.14	83	144862	51.926	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	188955	51.454	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	363534	103.749	ug/L	100
42) Toluene	8.00	91	478183	52.063	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	164837	50.843	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	107593	51.388	ug/L	99
46) Tetrachloroethene	8.58	164	75226	49.099	ug/L	99
48) 2-Hexanone	8.72	43	287127	105.780	ug/L	99
49) Dibromochloromethane	8.84	129	107026	51.940	ug/L	94
50) 1,2-Dibromoethane	8.95	107	113540	51.454	ug/L	99
51) Chlorobenzene	9.47	112	283126	51.799	ug/L	99
52) Ethylbenzene	9.60	91	526691	52.310	ug/L	100
53) m,p-Xylene	9.72	106	194724	52.436	ug/L	99
54) o-xylene	10.13	106	194224	51.919	ug/L	100
55) Styrene	10.14	104	329656	51.842	ug/L	99
56) Isopropylbenzene	10.51	105	501579	51.973	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	194124	51.408	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	157483	51.139	ug/L	99
61) Bromoform	10.32	173	77126	51.770	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	204241	51.524	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	201772	51.209	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	210336	52.745	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	44530	53.699	ug/L	97
67) 1,3,5-Trichlorobenzene	13.23	180	139594	52.311	ug/L	100
68) 1,2,4-trichlorobenzene	13.85	180	117406	52.910	ug/L	99
69) Naphthalene	14.10	128	449779	52.819	ug/L	100
70) 1,2,3-Trichlorobenzene	14.34	180	121175	52.768	ug/L	99

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

