

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022620\
 Data File : VU036929.D
 Acq On : 26 Feb 2020 21:00
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

Quant Time: Feb 27 04:52:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 27 04:47:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	253709	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	243879	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	106679	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	96498	45.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.58%
7) Chloroethane-d5	1.93	69	85023	48.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.46%
11) 1,1-Dichloroethene-d2	2.59	63	168691	47.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.56%
21) 2-Butanone-d5	4.67	46	154386	108.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.03%
24) Chloroform-d	5.11	84	167955	51.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.24%
26) 1,2-Dichloroethane-d4	5.74	65	111426	50.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.22%
32) Benzene-d6	5.76	84	350267	49.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.32%
36) 1,2-Dichloropropane-d6	6.72	67	114549	50.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.26%
41) Toluene-d8	7.92	98	324049	49.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.06%
43) trans-1,3-Dichloropropene-	8.20	79	50840	47.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.76%
47) 2-Hexanone-d5	8.66	63	118836	106.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.37%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	165504	51.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.76%
64) 1,2-Dichlorobenzene-d4	12.21	152	105158	50.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.86%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	111214	51.680	ug/L	99
3) Chloromethane	1.54	50	123194	49.759	ug/L	99
5) Vinyl chloride	1.62	62	133374	52.227	ug/L	100
6) Bromomethane	1.87	94	71115	54.276	ug/L	96
8) Chloroethane	1.95	64	81354	53.145	ug/L	99
9) Trichlorofluoromethane	2.16	101	141986	52.424	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	83218	51.363	ug/L	99
12) 1,1-Dichloroethene	2.60	96	84420	51.516	ug/L	91
13) Acetone	2.66	43	108813	74.021	ug/L	99
14) Carbon disulfide	2.82	76	257727	49.709	ug/L	100
15) Methyl Acetate	2.98	43	117366	52.381	ug/L	98
16) Methylene chloride	3.08	84	103607	51.836	ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	89679	50.943	ug/L	97
18) Methyl tert-butyl Ether	3.40	73	295097	51.570	ug/L	99
19) 1,1-Dichloroethane	3.91	63	179269	52.409	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	102661	52.155	ug/L	98
22) 2-Butanone	4.75	43	169115	95.402	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	47036	52.766	ug/L	97
25) Chloroform	5.13	83	170991	51.809	ug/L	98
27) 1,2-Dichloroethane	5.83	62	140941	52.454	ug/L	99
29) Cyclohexane	5.43	56	160482	49.588	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	134491	51.435	ug/L	98
31) Carbon tetrachloride	5.56	117	105409	51.432	ug/L	98
33) Benzene	5.81	78	398323	51.700	ug/L	100
34) Trichloroethene	6.57	95	96774	51.105	ug/L	98
35) Methylcyclohexane	6.79	83	161352	49.144	ug/L	99
37) 1,2-Dichloropropane	6.82	63	106125	51.157	ug/L	100
38) Bromodichloromethane	7.14	83	124588	50.879	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	155886	48.782	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	320388	104.813	ug/L	100
42) Toluene	8.00	91	424696	51.740	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	138736	50.048	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	95534	51.787	ug/L	99
46) Tetrachloroethene	8.57	164	63267	50.716	ug/L	98
48) 2-Hexanone	8.71	43	247469	101.451	ug/L	99
49) Dibromochloromethane	8.83	129	90726	51.815	ug/L	100
50) 1,2-Dibromoethane	8.95	107	99091	51.367	ug/L	98
51) Chlorobenzene	9.47	112	249804	51.362	ug/L	99
52) Ethylbenzene	9.59	91	454524	51.080	ug/L	100
53) m,p-Xylene	9.71	106	170259	52.162	ug/L	99
54) o-xylene	10.12	106	167227	51.368	ug/L	98
55) Styrene	10.13	104	276916	52.035	ug/L	99
56) Isopropylbenzene	10.50	105	426748	51.038	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	170688	51.755	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	138678	51.965	ug/L	100
61) Bromoform	10.31	173	61219	50.758	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	175058	50.585	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	173895	50.860	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	177879	51.479	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	36774	53.645	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	115930	52.777	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	90012	54.694	ug/L	99
69) Naphthalene	14.12	128	147036	50.612	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	90883	55.262	ug/L	100

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

