

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122120\
 Data File : VV019767.D
 Acq On : 21 Dec 2020 10:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05067

Quant Time: Dec 22 00:18:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 21 13:56:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	787018	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	744364	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	363351	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	236903	41.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.96%
7) Chloroethane-d5	1.57	69	197108	44.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.56%
11) 1,1-Dichloroethene-d2	2.11	63	473017	45.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.32%
21) 2-Butanone-d5	3.89	46	367036	119.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.66%
24) Chloroform-d	4.35	84	477795	46.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.96%
26) 1,2-Dichloroethane-d4	5.03	65	317666	47.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.58%
32) Benzene-d6	5.05	84	916020	46.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.28%
36) 1,2-Dichloropropane-d6	6.07	67	295665	47.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.08%
41) Toluene-d8	7.32	98	825795	46.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	7.62	79	154481	43.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.34%
47) 2-Hexanone-d5	8.09	63	249412	102.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.19%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	387969	46.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.24%
64) 1,2-Dichlorobenzene-d4	11.63	152	311661	45.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.78%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	275839	43.430	ug/L 100
3) Chloromethane	1.24	50	296905	43.979	ug/L 98
5) Vinyl chloride	1.31	62	295379	43.620	ug/L 98
6) Bromomethane	1.52	94	178173	43.813	ug/L 99
8) Chloroethane	1.59	64	183375	44.895	ug/L 100
9) Trichlorofluoromethane	1.75	101	373228	45.112	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	221982	48.584	ug/L 98
12) 1,1-Dichloroethene	2.12	96	208761	44.525	ug/L # 73
13) Acetone	2.19	43	278220	106.467	ug/L 99
14) Carbon disulfide	2.30	76	621959	40.372	ug/L 100
15) Methyl Acetate	2.43	43	277941	48.818	ug/L 98
16) Methylene chloride	2.51	84	251068	45.672	ug/L 96
17) trans-1,2-Dichloroethene	2.76	96	229676	44.692	ug/L 100
18) Methyl tert-butyl Ether	2.77	73	796819	44.373	ug/L 99
19) 1,1-Dichloroethane	3.19	63	464931	46.665	ug/L 99
20) cis-1,2-Dichloroethene	3.91	96	255100	45.156	ug/L # 98
22) 2-Butanone	3.97	43	395179	103.094	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	122800	44.179	ug/L	95
25) Chloroform	4.38	83	465645	46.796	ug/L	99
27) 1,2-Dichloroethane	5.13	62	380781	46.192	ug/L	98
29) Cyclohexane	4.68	56	412480	45.213	ug/L	98
30) 1,1,1-Trichloroethane	4.61	97	406280	43.530	ug/L	99
31) Carbon tetrachloride	4.83	117	339964	43.148	ug/L	99
33) Benzene	5.10	78	984397	45.250	ug/L	100
34) Trichloroethene	5.91	95	257863	44.871	ug/L	99
35) Methylcyclohexane	6.13	83	410671	47.040	ug/L	98
37) 1,2-Dichloropropane	6.17	63	262980	46.290	ug/L	99
38) Bromodichloromethane	6.51	83	350512	44.122	ug/L	99
39) cis-1,3-Dichloropropene	7.03	75	413387	43.811	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	767319	93.617	ug/L	98
42) Toluene	7.39	91	1030005	44.923	ug/L	98
44) trans-1,3-Dichloropropene	7.65	75	415373	43.476	ug/L	98
45) 1,1,2-Trichloroethane	7.84	97	241003	44.672	ug/L	98
46) Tetrachloroethene	7.98	164	176738	44.446	ug/L	98
48) 2-Hexanone	8.14	43	585367	94.122	ug/L	98
49) Dibromochloromethane	8.25	129	255794	43.294	ug/L	98
50) 1,2-Dibromoethane	8.35	107	253084	44.547	ug/L	99
51) Chlorobenzene	8.88	112	655742	44.779	ug/L	100
52) Ethylbenzene	9.02	91	1177278	45.066	ug/L	100
53) m,p-Xylene	9.14	106	433090	44.376	ug/L	99
54) o-xylene	9.55	106	423909	44.314	ug/L	98
55) Styrene	9.56	104	740523	44.416	ug/L	100
56) Isopropylbenzene	9.94	105	1157608	45.424	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	388105	44.734	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	325877	46.116	ug/L	100
61) Bromoform	9.73	173	165896	41.263	ug/L	99
62) 1,3-Dichlorobenzene	11.19	146	504181	45.226	ug/L	98
63) 1,4-Dichlorobenzene	11.28	146	511730	45.331	ug/L	100
65) 1,2-Dichlorobenzene	11.65	146	503149	45.676	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	95688	41.614	ug/L	95
67) 1,3,5-Trichlorobenzene	12.65	180	379233	48.148	ug/L	100
68) 1,2,4-trichlorobenzene	13.27	180	341803	46.413	ug/L	100
69) Naphthalene	13.51	128	1087969	42.546	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	330988	45.991	ug/L	99

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

