

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121220\
 Data File : VV019569.D
 Acq On : 12 Dec 2020 20:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05085

Quant Time: Dec 13 04:27:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 04:38:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	641896	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	594694	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	284254	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	189945	41.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.54%
7) Chloroethane-d5	1.57	69	167821	46.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.46%
11) 1,1-Dichloroethene-d2	2.11	63	392223	45.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.82%
21) 2-Butanone-d5	3.90	46	288014	115.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.12%
24) Chloroform-d	4.35	84	405159	48.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.68%
26) 1,2-Dichloroethane-d4	5.04	65	273003	50.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.72%
32) Benzene-d6	5.05	84	754886	47.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.18%
36) 1,2-Dichloropropane-d6	6.07	67	245297	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.74%
41) Toluene-d8	7.32	98	661746	46.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.68%
43) trans-1,3-Dichloropropene-	7.62	79	129250	45.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.48%
47) 2-Hexanone-d5	8.09	63	212817	109.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.14%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	348878	51.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.82%
64) 1,2-Dichlorobenzene-d4	11.63	152	254807	47.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	248821	48.033	ug/L 100
3) Chloromethane	1.24	50	280344	50.914	ug/L 99
5) Vinyl chloride	1.31	62	275041	49.799	ug/L 99
6) Bromomethane	1.52	94	169372	51.065	ug/L 100
8) Chloroethane	1.59	64	171272	51.412	ug/L 98
9) Trichlorofluoromethane	1.76	101	333090	49.362	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	181962	48.829	ug/L 99
12) 1,1-Dichloroethene	2.12	96	192539	50.350	ug/L # 85
13) Acetone	2.19	43	236562	110.992	ug/L 99
14) Carbon disulfide	2.30	76	582800	46.383	ug/L 100
15) Methyl Acetate	2.44	43	267925	57.698	ug/L 100
16) Methylene chloride	2.51	84	231206	51.568	ug/L 100
17) trans-1,2-Dichloroethene	2.77	96	209852	50.067	ug/L 98
18) Methyl tert-butyl Ether	2.77	73	761802	52.014	ug/L 99
19) 1,1-Dichloroethane	3.19	63	422501	51.994	ug/L 99
20) cis-1,2-Dichloroethene	3.92	96	234644	50.925	ug/L # 97
22) 2-Butanone	3.98	43	376203	120.332	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	116208	51.259	ug/L	98
25) Chloroform	4.38	83	423256	52.153	ug/L	99
27) 1,2-Dichloroethane	5.14	62	350788	52.174	ug/L	98
29) Cyclohexane	4.68	56	349670	47.975	ug/L	99
30) 1,1,1-Trichloroethane	4.61	97	369562	49.561	ug/L	99
31) Carbon tetrachloride	4.83	117	299538	47.585	ug/L	98
33) Benzene	5.11	78	893463	51.406	ug/L	100
34) Trichloroethene	5.92	95	228637	49.799	ug/L	97
35) Methylcyclohexane	6.14	83	336288	48.214	ug/L	99
37) 1,2-Dichloropropane	6.18	63	241195	53.140	ug/L	99
38) Bromodichloromethane	6.51	83	320540	50.504	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	388593	51.549	ug/L	97
40) 4-Methyl-2-pentanone	7.23	43	738669	112.803	ug/L	99
42) Toluene	7.39	91	915727	49.990	ug/L	99
44) trans-1,3-Dichloropropene	7.65	75	378941	49.645	ug/L	99
45) 1,1,2-Trichloroethane	7.84	97	223786	51.920	ug/L	99
46) Tetrachloroethene	7.98	164	152646	48.048	ug/L	98
48) 2-Hexanone	8.14	43	562065	113.121	ug/L	99
49) Dibromochloromethane	8.25	129	236403	50.082	ug/L	99
50) 1,2-Dibromoethane	8.36	107	236986	52.212	ug/L	99
51) Chlorobenzene	8.88	112	582917	49.824	ug/L	100
52) Ethylbenzene	9.02	91	1025185	49.121	ug/L	99
53) m,p-Xylene	9.14	106	381441	48.920	ug/L	99
54) o-xylene	9.55	106	378087	49.471	ug/L	99
55) Styrene	9.56	104	663725	49.829	ug/L	100
56) Isopropylbenzene	9.93	105	992645	48.753	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	366922	52.936	ug/L	100
59) 1,2,3-Trichloropropane	10.28	75	309384	54.801	ug/L	99
61) Bromoform	9.73	173	156139	49.643	ug/L	100
62) 1,3-Dichlorobenzene	11.18	146	429181	49.211	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	434478	49.198	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	433225	50.271	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.43	75	96585	53.692	ug/L	92
67) 1,3,5-Trichlorobenzene	12.65	180	307178	49.852	ug/L	99
68) 1,2,4-trichlorobenzene	13.26	180	283413	49.193	ug/L	100
69) Naphthalene	13.50	128	1067527	53.363	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	285149	50.647	ug/L	99

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

