

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121220\
 Data File : VV019545.D
 Acq On : 12 Dec 2020 10:03
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

Quant Time: Dec 13 04:26:36 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	684202	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	645323	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	311735	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	213312	43.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.96%
7) Chloroethane-d5	1.57	69	181923	47.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.02%
11) 1,1-Dichloroethene-d2	2.11	63	429150	47.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.26%
21) 2-Butanone-d5	3.89	46	284248	106.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.59%
24) Chloroform-d	4.35	84	428128	48.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.84%
26) 1,2-Dichloroethane-d4	5.03	65	283977	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.28%
32) Benzene-d6	5.05	84	811800	47.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.34%
36) 1,2-Dichloropropane-d6	6.07	67	259493	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.26%
41) Toluene-d8	7.32	98	721695	46.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.14%
43) trans-1,3-Dichloropropene-	7.62	79	140880	45.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.88%
47) 2-Hexanone-d5	8.09	63	213094	100.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.71%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	358855	49.21	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.42%
64) 1,2-Dichlorobenzene-d4	11.63	152	276507	47.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	280507	50.802	ug/L 100
3) Chloromethane	1.24	50	284067	48.400	ug/L 99
5) Vinyl chloride	1.31	62	288072	48.933	ug/L 98
6) Bromomethane	1.52	94	170819	48.317	ug/L 99
8) Chloroethane	1.59	64	175720	49.485	ug/L 100
9) Trichlorofluoromethane	1.76	101	369994	51.441	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	210104	52.895	ug/L 99
12) 1,1-Dichloroethene	2.12	96	202181	49.602	ug/L # 72
13) Acetone	2.18	43	225505	99.262	ug/L 100
14) Carbon disulfide	2.30	76	635183	47.426	ug/L 99
15) Methyl Acetate	2.43	43	253935	51.304	ug/L 100
16) Methylene chloride	2.51	84	231317	48.402	ug/L 99
17) trans-1,2-Dichloroethene	2.76	96	220271	49.303	ug/L 100
18) Methyl tert-butyl Ether	2.77	73	766058	49.071	ug/L 100
19) 1,1-Dichloroethane	3.19	63	430146	49.662	ug/L 99
20) cis-1,2-Dichloroethene	3.91	96	239559	48.777	ug/L # 99
22) 2-Butanone	3.97	43	356118	106.864	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	115513	47.802	ug/L	99
25) Chloroform	4.38	83	430296	49.742	ug/L	100
27) 1,2-Dichloroethane	5.13	62	355414	49.594	ug/L	98
29) Cyclohexane	4.68	56	397956	50.316	ug/L	100
30) 1,1,1-Trichloroethane	4.61	97	388254	47.983	ug/L	100
31) Carbon tetrachloride	4.83	117	331685	48.558	ug/L	99
33) Benzene	5.10	78	914026	48.464	ug/L	100
34) Trichloroethene	5.92	95	239240	48.020	ug/L	98
35) Methylcyclohexane	6.14	83	394580	52.133	ug/L	99
37) 1,2-Dichloropropane	6.18	63	239774	48.682	ug/L	100
38) Bromodichloromethane	6.51	83	332710	48.308	ug/L	98
39) cis-1,3-Dichloropropene	7.03	75	399789	48.873	ug/L	98
40) 4-Methyl-2-pentanone	7.23	43	711559	100.138	ug/L	99
42) Toluene	7.39	91	969079	48.752	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	397870	48.035	ug/L	99
45) 1,1,2-Trichloroethane	7.84	97	221957	47.455	ug/L	99
46) Tetrachloroethene	7.98	164	171882	49.859	ug/L	98
48) 2-Hexanone	8.14	43	536158	99.441	ug/L	100
49) Dibromochloromethane	8.25	129	247241	48.269	ug/L	99
50) 1,2-Dibromoethane	8.35	107	238470	48.417	ug/L	97
51) Chlorobenzene	8.88	112	614369	48.392	ug/L	99
52) Ethylbenzene	9.01	91	1118186	49.373	ug/L	100
53) m,p-Xylene	9.14	106	412811	48.790	ug/L	98
54) o-xylene	9.55	106	407133	49.092	ug/L	98
55) Styrene	9.56	104	707528	48.950	ug/L	99
56) Isopropylbenzene	9.93	105	1094193	49.525	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	364440	48.453	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	300786	49.098	ug/L	100
61) Bromoform	9.73	173	164555	47.707	ug/L	100
62) 1,3-Dichlorobenzene	11.18	146	471873	49.337	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	470368	48.566	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	463137	49.005	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	94989	48.150	ug/L	93
67) 1,3,5-Trichlorobenzene	12.65	180	342540	50.690	ug/L	100
68) 1,2,4-trichlorobenzene	13.26	180	311647	49.325	ug/L	99
69) Naphthalene	13.50	128	1077716	49.123	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	306938	49.711	ug/L	100

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

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