

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121820\
 Data File : VV019689.D
 Acq On : 18 Dec 2020 10:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

Quant Time: Dec 19 05:24:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 17 15:12:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	609865	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	577945	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	298492	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	206001	47.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.22%
7) Chloroethane-d5	1.57	69	168332	48.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	2.11	63	396209	48.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.62%
21) 2-Butanone-d5	3.88	46	302371	127.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	127.21%
24) Chloroform-d	4.35	84	395071	50.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.26%
26) 1,2-Dichloroethane-d4	5.03	65	257378	49.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.94%
32) Benzene-d6	5.05	84	753241	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.74%
36) 1,2-Dichloropropane-d6	6.07	67	238339	49.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.72%
41) Toluene-d8	7.32	98	670522	48.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.62%
43) trans-1,3-Dichloropropene-	7.62	79	126652	46.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.22%
47) 2-Hexanone-d5	8.09	63	221363	116.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.81%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	320522	49.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.16%
64) 1,2-Dichlorobenzene-d4	11.63	152	257390	46.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.26%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	236590	48.071	ug/L 99
3) Chloromethane	1.24	50	246987	47.212	ug/L 100
5) Vinyl chloride	1.31	62	251583	47.944	ug/L 99
6) Bromomethane	1.52	94	152532	48.403	ug/L 99
8) Chloroethane	1.59	64	152936	48.319	ug/L 99
9) Trichlorofluoromethane	1.75	101	322914	50.368	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	187475	52.951	ug/L 99
12) 1,1-Dichloroethene	2.12	96	178234	49.057	ug/L # 79
13) Acetone	2.18	43	213200	105.285	ug/L 98
14) Carbon disulfide	2.30	76	546100	45.745	ug/L 100
15) Methyl Acetate	2.43	43	222559	50.445	ug/L 98
16) Methylene chloride	2.51	84	208511	48.949	ug/L 99
17) trans-1,2-Dichloroethene	2.76	96	195881	49.188	ug/L 99
18) Methyl tert-butyl Ether	2.77	73	663983	47.717	ug/L 99
19) 1,1-Dichloroethane	3.19	63	383200	49.634	ug/L 100
20) cis-1,2-Dichloroethene	3.91	96	215211	49.161	ug/L # 100
22) 2-Butanone	3.97	43	313529	105.552	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	102952	47.797	ug/L	95
25) Chloroform	4.38	83	384543	49.872	ug/L	99
27) 1,2-Dichloroethane	5.13	62	307968	48.211	ug/L	100
29) Cyclohexane	4.68	56	348613	49.216	ug/L	99
30) 1,1,1-Trichloroethane	4.61	97	339323	46.824	ug/L	100
31) Carbon tetrachloride	4.83	117	285746	46.709	ug/L	99
33) Benzene	5.10	78	824473	48.812	ug/L	100
34) Trichloroethene	5.91	95	215116	48.211	ug/L	98
35) Methylcyclohexane	6.13	83	353362	52.130	ug/L	99
37) 1,2-Dichloropropane	6.17	63	219741	49.816	ug/L	100
38) Bromodichloromethane	6.51	83	291565	47.270	ug/L	99
39) cis-1,3-Dichloropropene	7.03	75	340665	46.500	ug/L	100
40) 4-Methyl-2-pentanone	7.23	43	612604	96.263	ug/L	99
42) Toluene	7.39	91	859884	48.302	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	344877	46.491	ug/L	98
45) 1,1,2-Trichloroethane	7.84	97	201173	48.026	ug/L	99
46) Tetrachloroethene	7.98	164	149827	48.528	ug/L	98
48) 2-Hexanone	8.14	43	473566	98.072	ug/L	98
49) Dibromochloromethane	8.25	129	214342	46.725	ug/L	100
50) 1,2-Dibromoethane	8.35	107	208906	47.359	ug/L	99
51) Chlorobenzene	8.88	112	549476	48.326	ug/L	99
52) Ethylbenzene	9.02	91	984515	48.539	ug/L	99
53) m,p-Xylene	9.14	106	366103	48.314	ug/L	100
54) o-xylene	9.55	106	354026	47.665	ug/L	100
55) Styrene	9.56	104	627271	48.457	ug/L	99
56) Isopropylbenzene	9.94	105	967925	48.917	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	320493	47.578	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	264049	48.126	ug/L	99
61) Bromoform	9.74	173	139543	42.250	ug/L	99
62) 1,3-Dichlorobenzene	11.19	146	424900	46.396	ug/L	98
63) 1,4-Dichlorobenzene	11.28	146	430765	46.451	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	421650	46.594	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	78452	41.532	ug/L	94
67) 1,3,5-Trichlorobenzene	12.65	180	311275	48.107	ug/L	99
68) 1,2,4-trichlorobenzene	13.27	180	288647	47.711	ug/L	99
69) Naphthalene	13.51	128	935922	44.553	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	275537	46.605	ug/L	98

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

