

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021820\
 Data File : VV014601.D
 Acq On : 18 Feb 2020 10:13
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

Quant Time: Feb 19 01:16:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM021220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 14 09:53:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	280805	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	267743	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	134294	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48107	44.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.22%
7) Chloroethane-d5	1.58	69	36501	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.26%
11) 1,1-Dichloroethene-d2	2.13	63	86172	47.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.78%
21) 2-Butanone-d5	3.92	46	90224	100.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.89%
24) Chloroform-d	4.40	84	160284	50.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.94%
26) 1,2-Dichloroethane-d4	5.07	65	100787	51.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.32%
32) Benzene-d6	5.09	84	314642	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.28%
36) 1,2-Dichloropropane-d6	6.11	67	94281	48.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.78%
41) Toluene-d8	7.35	98	301312	48.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.82%
43) trans-1,3-Dichloropropene-	7.66	79	52525	49.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.78%
47) 2-Hexanone-d5	8.12	63	71516	92.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.80%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	132965	50.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	119679	50.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	98448	49.403	ug/L	99
3) Chloromethane	1.26	50	80935	45.723	ug/L	97
5) Vinyl chloride	1.33	62	60981	48.473	ug/L	100
6) Bromomethane	1.53	94	33680	55.021	ug/L	99
8) Chloroethane	1.60	64	30663	48.530	ug/L	99
9) Trichlorofluoromethane	1.77	101	113884	52.402	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	45891	49.534	ug/L	95
12) 1,1-Dichloroethene	2.14	96	44212	51.338	ug/L	91
13) Acetone	2.18	43	75929	98.969	ug/L	99
14) Carbon disulfide	2.32	76	200286	47.510	ug/L	98
15) Methyl Acetate	2.45	43	68199	46.381	ug/L	97
16) Methylene chloride	2.53	84	87423	48.566	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	83975	49.431	ug/L	96
18) Methyl tert-butyl Ether	2.80	73	275004	50.480	ug/L	100
19) 1,1-Dichloroethane	3.23	63	149393	50.152	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	98078	49.937	ug/L	94
22) 2-Butanone	4.00	43	112939	98.182	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	48888	51.391	ug/L	97
25) Chloroform	4.42	83	169114	51.310	ug/L	99
27) 1,2-Dichloroethane	5.17	62	123607	50.868	ug/L	99
29) Cyclohexane	4.72	56	128538	47.956	ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	147738	50.722	ug/L	99
31) Carbon tetrachloride	4.87	117	132569	50.405	ug/L	99
33) Benzene	5.14	78	344984	49.075	ug/L	100
34) Trichloroethene	5.96	95	94317	49.720	ug/L	98
35) Methylcyclohexane	6.17	83	145368	48.944	ug/L	99
37) 1,2-Dichloropropane	6.22	63	83691	48.215	ug/L	100
38) Bromodichloromethane	6.55	83	127653	50.153	ug/L	97
39) cis-1,3-Dichloropropene	7.06	75	152803	49.865	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	197004	91.881	ug/L	100
42) Toluene	7.42	91	377766	49.280	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	137975	49.857	ug/L	97
45) 1,1,2-Trichloroethane	7.87	97	90045	50.220	ug/L	99
46) Tetrachloroethene	8.01	164	75118	50.358	ug/L	98
48) 2-Hexanone	8.17	43	157556	94.251	ug/L	98
49) Dibromochloromethane	8.28	129	106521	49.847	ug/L	99
50) 1,2-Dibromoethane	8.39	107	96708	49.848	ug/L	100
51) Chlorobenzene	8.92	112	253783	49.519	ug/L	99
52) Ethylbenzene	9.05	91	437297	50.290	ug/L	98
53) m,p-Xylene	9.18	106	168462	49.623	ug/L	97
54) o-xylene	9.58	106	163264	50.315	ug/L	98
55) Styrene	9.60	104	280182	50.252	ug/L	99
56) Isopropylbenzene	9.97	105	432751	50.139	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	138651	48.947	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	107417	48.087	ug/L	100
61) Bromoform	9.77	173	73187	50.352	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	202887	49.955	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	202521	48.922	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	199589	50.028	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	30087	46.294	ug/L	93
67) 1,3,5-Trichlorobenzene	12.68	180	144454	49.458	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	130721	48.330	ug/L	98
69) Naphthalene	13.54	128	395690	46.136	ug/L	100
70) 1,2,3-Trichlorobenzene	13.78	180	125853	48.267	ug/L	98

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

