

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121119\
 Data File : VV014004.D
 Acq On : 11 Dec 2019 09:59
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

Quant Time: Dec 12 02:59:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 11 13:26:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	658956	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	623135	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	339521	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	173155	45.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.86%
7) Chloroethane-d5	1.57	69	185573	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.30%
11) 1,1-Dichloroethene-d2	2.13	63	402358	47.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.48%
21) 2-Butanone-d5	3.92	46	234444	87.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.40%
24) Chloroform-d	4.39	84	363037	45.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.72%
26) 1,2-Dichloroethane-d4	5.07	65	217393	42.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.72%
32) Benzene-d6	5.09	84	682469	42.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.54%
36) 1,2-Dichloropropane-d6	6.11	67	212776	43.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.80%
41) Toluene-d8	7.35	98	608661	41.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.70%
43) trans-1,3-Dichloropropene-	7.66	79	94694	40.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.30%
47) 2-Hexanone-d5	8.12	63	137035	75.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	75.72%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	298431	42.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.04%
64) 1,2-Dichlorobenzene-d4	11.67	152	274812	41.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.42%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	273970	46.694	ug/L 99
3) Chloromethane	1.25	50	275827	51.421	ug/L 99
5) Vinyl chloride	1.32	62	289046	51.665	ug/L 99
6) Bromomethane	1.52	94	186317	55.083	ug/L 99
8) Chloroethane	1.59	64	195000	52.384	ug/L 99
9) Trichlorofluoromethane	1.77	101	458156	52.653	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	263018	53.071	ug/L 99
12) 1,1-Dichloroethene	2.14	96	245766	51.339	ug/L 98
13) Acetone	2.18	43	433894	110.378	ug/L 97
14) Carbon disulfide	2.32	76	614918	48.709	ug/L 99
15) Methyl Acetate	2.45	43	219771	45.363	ug/L 99
16) Methylene chloride	2.53	84	236928	47.527	ug/L 99
17) trans-1,2-Dichloroethene	2.79	96	216193	46.171	ug/L 97
18) Methyl tert-butyl Ether	2.80	73	635940	46.800	ug/L 99
19) 1,1-Dichloroethane	3.22	63	399355	47.339	ug/L 99
20) cis-1,2-Dichloroethene	3.95	96	237683	46.873	ug/L 99
22) 2-Butanone	4.00	43	364551	96.618	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	133220	47.552	ug/L	96
25) Chloroform	4.42	83	425108	47.136	ug/L	100
27) 1,2-Dichloroethane	5.17	62	319788	49.208	ug/L	100
29) Cyclohexane	4.72	56	331309	45.508	ug/L	98
30) 1,1,1-Trichloroethane	4.65	97	361312	48.030	ug/L	100
31) Carbon tetrachloride	4.87	117	330163	49.133	ug/L	100
33) Benzene	5.14	78	913978	49.252	ug/L	100
34) Trichloroethene	5.95	95	246569	49.540	ug/L	99
35) Methylcyclohexane	6.17	83	360888	48.326	ug/L	99
37) 1,2-Dichloropropane	6.21	63	225044	50.107	ug/L	99
38) Bromodichloromethane	6.55	83	311550	48.913	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	345095	48.808	ug/L	100
40) 4-Methyl-2-pentanone	7.26	43	528304	90.459	ug/L	98
42) Toluene	7.42	91	934468	48.806	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	298883	46.681	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	223270	50.082	ug/L	99
46) Tetrachloroethene	8.01	164	218267	48.599	ug/L	97
48) 2-Hexanone	8.17	43	440892	94.371	ug/L	97
49) Dibromochloromethane	8.28	129	271629	49.844	ug/L	99
50) 1,2-Dibromoethane	8.39	107	234682	47.787	ug/L	100
51) Chlorobenzene	8.92	112	626530	47.430	ug/L	99
52) Ethylbenzene	9.05	91	1042691	49.400	ug/L	99
53) m,p-Xylene	9.18	106	404582	49.567	ug/L	98
54) o-xylene	9.58	106	387512	48.556	ug/L	99
55) Styrene	9.60	104	669516	48.624	ug/L	100
56) Isopropylbenzene	9.97	105	1086336	50.641	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	330698	45.566	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	273119	44.937	ug/L	99
61) Bromoform	9.77	173	212491	51.162	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	543189	48.758	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	543218	47.166	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	543072	48.733	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	65291	42.158	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	415987	45.981	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	322169	39.467	ug/L	98
69) Naphthalene	13.55	128	613951	28.644	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	339678	39.790	ug/L	100

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

