

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121019\
 Data File : VV013977.D
 Acq On : 10 Dec 2019 10:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

Quant Time: Dec 11 00:23:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 10 17:17:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	670047	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	659542	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	340961	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	208398	53.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.56%
7) Chloroethane-d5	1.57	69	203637	50.34	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.68%
11) 1,1-Dichloroethene-d2	2.13	63	448623	52.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.70%
21) 2-Butanone-d5	3.92	46	250258	91.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.75%
24) Chloroform-d	4.39	84	384238	47.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.42%
26) 1,2-Dichloroethane-d4	5.07	65	235435	45.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.30%
32) Benzene-d6	5.09	84	754764	44.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.32%
36) 1,2-Dichloropropane-d6	6.11	67	232552	45.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.66%
41) Toluene-d8	7.35	98	719373	46.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.34%
43) trans-1,3-Dichloropropene-	7.66	79	109431	43.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.68%
47) 2-Hexanone-d5	8.13	63	173473	90.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.56%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	318907	42.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.86%
64) 1,2-Dichlorobenzene-d4	11.67	152	296831	44.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.66%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	279212	46.800	ug/L	98
3) Chloromethane	1.25	50	310728	56.968	ug/L	100
5) Vinyl chloride	1.32	62	310673	54.612	ug/L	98
6) Bromomethane	1.52	94	198845	57.813	ug/L	99
8) Chloroethane	1.59	64	201185	53.151	ug/L	99
9) Trichlorofluoromethane	1.77	101	475877	53.784	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	271918	53.959	ug/L	98
12) 1,1-Dichloroethene	2.14	96	254568	52.297	ug/L	94
13) Acetone	2.18	43	462237	115.642	ug/L	99
14) Carbon disulfide	2.32	76	674671	52.557	ug/L	100
15) Methyl Acetate	2.45	43	286625	58.184	ug/L	98
16) Methylene chloride	2.53	84	259363	51.166	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	224101	47.067	ug/L	96
18) Methyl tert-butyl Ether	2.80	73	667518	48.310	ug/L	100
19) 1,1-Dichloroethane	3.23	63	418100	48.740	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	247676	48.035	ug/L	98
22) 2-Butanone	4.00	43	399436	104.111	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	138063	48.465	ug/L	98
25) Chloroform	4.42	83	443434	48.354	ug/L	100
27) 1,2-Dichloroethane	5.17	62	333840	50.520	ug/L	100
29) Cyclohexane	4.72	56	352365	45.728	ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	374898	47.085	ug/L	99
31) Carbon tetrachloride	4.87	117	351078	49.361	ug/L	98
33) Benzene	5.14	78	958876	48.820	ug/L	100
34) Trichloroethene	5.96	95	258673	49.103	ug/L	98
35) Methylcyclohexane	6.17	83	390156	49.362	ug/L	100
37) 1,2-Dichloropropane	6.21	63	244072	51.343	ug/L	100
38) Bromodichloromethane	6.55	83	333281	49.437	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	370231	49.472	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	632001	102.241	ug/L	99
42) Toluene	7.43	91	1052495	51.936	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	344954	50.903	ug/L	96
45) 1,1,2-Trichloroethane	7.87	97	250642	53.118	ug/L	100
46) Tetrachloroethene	8.01	164	242589	51.032	ug/L	97
48) 2-Hexanone	8.17	43	523027	105.772	ug/L	95
49) Dibromochloromethane	8.28	129	287410	49.829	ug/L	100
50) 1,2-Dibromoethane	8.39	107	267195	51.404	ug/L	99
51) Chlorobenzene	8.92	112	689449	49.313	ug/L	99
52) Ethylbenzene	9.05	91	1141922	51.114	ug/L	99
53) m,p-Xylene	9.18	106	457575	52.965	ug/L	94
54) o-xylene	9.58	106	436338	51.656	ug/L	98
55) Styrene	9.60	104	757862	52.002	ug/L	99
56) Isopropylbenzene	9.97	105	1146577	50.499	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	361761	47.094	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	309910	48.175	ug/L	99
61) Bromoform	9.77	173	228863	54.871	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	579013	51.754	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	571256	49.391	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	578094	51.657	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	71334	45.866	ug/L	97
67) 1,3,5-Trichlorobenzene	12.68	180	449863	49.515	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	345238	42.114	ug/L	100
69) Naphthalene	13.55	128	688014	31.964	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	377363	44.018	ug/L	99

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

