

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011320\
 Data File : VU036446.D
 Acq On : 13 Jan 2020 19:28
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Quant Time: Jan 14 16:15:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jan 13 10:10:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	465973	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	450574	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	211246	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	176443	48.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.18%
7) Chloroethane-d5	1.93	69	155658	50.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.64%
11) 1,1-Dichloroethene-d2	2.59	63	320191	51.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.52%
21) 2-Butanone-d5	4.68	46	296872	109.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.80%
24) Chloroform-d	5.11	84	351291	55.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.86%
26) 1,2-Dichloroethane-d4	5.75	65	234904	55.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.80%
32) Benzene-d6	5.77	84	674461	53.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.54%
36) 1,2-Dichloropropane-d6	6.73	67	222432	52.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.74%
41) Toluene-d8	7.93	98	625651	51.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.92%
43) trans-1,3-Dichloropropene-	8.21	79	121932	53.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.82%
47) 2-Hexanone-d5	8.67	63	236884	109.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.18%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	343257	53.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	234092	52.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.66%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	165975	44.596	ug/L	99
3) Chloromethane	1.54	50	157843	46.612	ug/L	98
5) Vinyl chloride	1.62	62	165934	42.218	ug/L	98
6) Bromomethane	1.87	94	99667	52.472	ug/L	98
8) Chloroethane	1.95	64	103290	43.678	ug/L	100
9) Trichlorofluoromethane	2.16	101	249505	45.154	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	141531	51.741	ug/L	99
12) 1,1-Dichloroethene	2.61	96	131223	48.665	ug/L	89
13) Acetone	2.66	43	240902	85.900	ug/L	100
14) Carbon disulfide	2.82	76	332610	39.861	ug/L	100
15) Methyl Acetate	2.99	43	198960	52.758	ug/L	98
16) Methylene chloride	3.08	84	169901	51.473	ug/L	100
17) trans-1,2-Dichloroethene	3.39	96	144346	49.585	ug/L	96
18) Methyl tert-butyl Ether	3.41	73	573923	54.272	ug/L	99
19) 1,1-Dichloroethane	3.92	63	305756	52.399	ug/L	95
20) cis-1,2-Dichloroethene	4.72	96	181940	51.671	ug/L #	97
22) 2-Butanone	4.76	43	320966	96.880	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	87973	52.046	ug/L	96
25) Chloroform	5.13	83	338669	54.472	ug/L	98
27) 1,2-Dichloroethane	5.84	62	263535	54.834	ug/L	97
29) Cyclohexane	5.43	56	243305	46.605	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	286114	51.810	ug/L	100
31) Carbon tetrachloride	5.57	117	236823	49.472	ug/L	98
33) Benzene	5.82	78	668046	50.472	ug/L	100
34) Trichloroethene	6.58	95	179244	52.529	ug/L	98
35) Methylcyclohexane	6.80	83	249748	45.855	ug/L	99
37) 1,2-Dichloropropane	6.83	63	184581	51.500	ug/L	100
38) Bromodichloromethane	7.14	83	262304	51.877	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	295483	49.247	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	610801	100.288	ug/L	99
42) Toluene	8.00	91	731107	50.162	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	277252	49.601	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	184445	55.161	ug/L	99
46) Tetrachloroethene	8.58	164	116011	47.252	ug/L	96
48) 2-Hexanone	8.72	43	495485	105.731	ug/L	97
49) Dibromochloromethane	8.84	129	209462	51.034	ug/L	98
50) 1,2-Dibromoethane	8.95	107	200427	51.684	ug/L	96
51) Chlorobenzene	9.47	112	467160	50.782	ug/L	99
52) Ethylbenzene	9.60	91	823363	49.635	ug/L	99
53) m,p-Xylene	9.72	106	314392	51.092	ug/L	97
54) o-xylene	10.13	106	309619	50.147	ug/L	95
55) Styrene	10.14	104	523165	50.114	ug/L	98
56) Isopropylbenzene	10.51	105	813587	50.557	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	328763	52.016	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	263890	52.477	ug/L	99
61) Bromoform	10.32	173	154255	49.139	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	341023	49.956	ug/L	97
63) 1,4-Dichlorobenzene	11.86	146	344460	50.868	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	349805	51.144	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	73701	46.178	ug/L	91
67) 1,3,5-Trichlorobenzene	13.24	180	207263	45.722	ug/L	96
68) 1,2,4-trichlorobenzene	13.86	180	158965	46.271	ug/L	99
69) Naphthalene	14.10	128	509722	43.178	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	168166	46.611	ug/L	99

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

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