

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021020\
 Data File : VU036710.D
 Acq On : 10 Feb 2020 14:22
 Operator : JC/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Quant Time: Feb 11 03:35:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 11 03:31:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	261089	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	247674	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	105322	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	70050	40.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.46%
7) Chloroethane-d5	1.93	69	69111	42.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.62%
11) 1,1-Dichloroethene-d2	2.59	63	105545	32.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.22%
21) 2-Butanone-d5	4.68	46	158247	106.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.52%
24) Chloroform-d	5.11	84	140741	44.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.32%
26) 1,2-Dichloroethane-d4	5.75	65	100791	46.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.52%
32) Benzene-d6	5.77	84	301378	46.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.56%
36) 1,2-Dichloropropane-d6	6.73	67	101461	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.88%
41) Toluene-d8	7.93	98	270575	45.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.76%
43) trans-1,3-Dichloropropene-	8.21	79	45941	44.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.78%
47) 2-Hexanone-d5	8.67	63	121196	98.24	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.24%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	151838	47.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.34%
66) 1,2-Dichlorobenzene-d4	12.22	152	93219	48.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	3738	2.072 ug/L	99
3) Chloromethane	1.54	50	4808	2.249 ug/L	97
5) Vinyl chloride	1.62	62	5593	2.430 ug/L #	66
6) Bromomethane	1.87	94	3280	2.273 ug/L	97
8) Chloroethane	1.95	64	3333	2.282 ug/L	90
9) Trichlorofluoromethane	2.16	101	6199	2.266 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	4401	2.686 ug/L	86
12) 1,1-Dichloroethene	2.61	96	4495	2.818 ug/L #	1
13) Acetone	2.66	43	10030	6.356 ug/L	99
14) Carbon disulfide	2.82	76	10757	2.257 ug/L	99
15) Methyl Acetate	2.99	43	5635	2.470 ug/L	97
16) Methylene chloride	3.08	84	5190	2.637 ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	4042	2.382 ug/L	88
18) Methyl tert-butyl Ether	3.41	73	12812	2.175 ug/L	98
19) 1,1-Dichloroethane	3.92	63	7592	2.245 ug/L	97
20) cis-1,2-Dichloroethene	4.72	96	4624	2.391 ug/L	98
22) 2-Butanone	4.76	43	9943	5.309 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	5.02	128	2066	2.280	ug/L	93
25) Chloroform	5.13	83	9418	2.864	ug/L	92
27) 1,2-Dichloroethane	5.84	62	6470	2.340	ug/L	97
29) Cyclohexane	5.43	56	7049	2.216	ug/L	96
30) 1,1,1-Trichloroethane	5.36	97	5841	2.220	ug/L	98
31) Carbon tetrachloride	5.56	117	5040	2.366	ug/L	99
33) Benzene	5.82	78	17383	2.320	ug/L	100
34) Trichloroethene	6.58	95	3959	2.137	ug/L	91
35) Methylcyclohexane	6.80	83	6896	2.114	ug/L	95
37) 1,2-Dichloropropane	6.83	63	4718	2.336	ug/L #	88
38) Bromodichloromethane	7.14	83	5353	2.181	ug/L	95
39) cis-1,3-Dichloropropene	7.64	75	7030	2.178	ug/L	97
40) 4-Methyl-2-pentanone	7.83	43	13916	4.360	ug/L	97
42) Toluene	8.00	91	18734	2.314	ug/L	95
44) trans-1,3-Dichloropropene	8.24	75	5964	2.115	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	4106	2.228	ug/L	92
46) Tetrachloroethene	8.58	164	3208	2.468	ug/L	96
48) 2-Hexanone	8.72	43	12760	4.901	ug/L	96
49) Dibromochloromethane	8.84	129	3845	2.133	ug/L	91
50) 1,2-Dibromoethane	8.96	107	4227	2.183	ug/L #	93
51) Chlorobenzene	9.47	112	10849	2.226	ug/L	94
52) Ethylbenzene	9.60	91	19932	2.241	ug/L	99
53) m,p-Xylene	9.72	106	7072	2.155	ug/L	96
54) o-xylene	10.13	106	7196	2.214	ug/L	91
55) Styrene	10.14	104	10661	1.968	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.81	83	7891	2.376	ug/L	97
59) Bromoform	10.32	173	2295	1.972	ug/L #	97
60) 1,2,3-Trichloropropane	10.85	75	6131	2.475	ug/L	99
61) Isopropylbenzene	10.51	105	18122	2.311	ug/L	99
62) 1,3,5-Trimethylbenzene	11.11	105	15241	2.267	ug/L	99
63) 1,2,4-Trimethylbenzene	11.49	105	14202	2.115	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	7758	2.352	ug/L	99
65) 1,4-Dichlorobenzene	11.86	146	8064	2.429	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	8059	2.413	ug/L	92
68) 1,2-Dibromo-3-chloropropan	13.01	75	1439	2.032	ug/L	96
69) 1,3,5-Trichlorobenzene	13.24	180	4553	1.991	ug/L	98
70) 1,2,4-trichlorobenzene	13.86	180	3266	1.713	ug/L	96
71) Naphthalene	14.10	128	9178	1.365	ug/L	99
72) 1,2,3-Trichlorobenzene	14.35	180	3032	1.596	ug/L	95

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

