

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021423\
 Data File : VU053094.D
 Acq On : 14 Feb 2023 13:07
 Operator : JC/MD
 Sample : VSTD05001
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050001

Quant Time: Feb 15 00:32:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 15 00:30:58 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	256505	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	235780	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	122841	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	118969	49.982	ug/L	0.00
7) Chloroethane-d5	1.913	69	100566	51.639	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.566	63	203363	54.355	ug/L	0.00
21) 2-Butanone-d5	4.627	46	124443	126.324	ug/L	0.00
24) Chloroform-d	5.058	84	215732	53.908	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.694	65	134664	55.495	ug/L	0.00
32) Benzene-d6	5.723	84	433702	54.450	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	141913	56.861	ug/L	0.00
41) Toluene-d8	7.894	98	399324	51.919	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.173	79	71877	53.683	ug/L	0.00
47) 2-Hexanone-d5	8.627	63	97319	124.972	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.749	84	184630	54.297	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.186	152	136223	49.815	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.386	85	132140	61.491	ug/L	100
3) Chloromethane	1.518	50	126160	62.936	ug/L	100
5) Vinyl chloride	1.605	62	137886	57.435	ug/L	100
6) Bromomethane	1.859	94	84683	52.432	ug/L	100
8) Chloroethane	1.933	64	82740	56.431	ug/L	100
9) Trichlorofluoromethane	2.135	101	179135	50.656	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	98136	54.029	ug/L	100
12) 1,1-Dichloroethene	2.579	96	92768	53.715	ug/L	100
13) Acetone	2.640	43	73687	88.871	ug/L	100
14) Carbon disulfide	2.791	76	297412	56.959	ug/L	100
15) Methyl Acetate	2.949	43	82258	62.577	ug/L	100
16) Methylene chloride	3.042	84	105387	50.786	ug/L	100
17) trans-1,2-Dichloroethene	3.350	96	95104	51.877	ug/L	100
18) Methyl tert-butyl Ether	3.357	73	323148	55.715	ug/L	100
19) 1,1-Dichloroethane	3.865	63	189196	58.390	ug/L	100
20) cis-1,2-Dichloroethene	4.659	96	109543	52.974	ug/L	100
22) 2-Butanone	4.707	43	116496	113.316	ug/L	100
23) Bromochloromethane	4.971	128	52938	48.210	ug/L	100
25) Chloroform	5.084	83	190490	53.816	ug/L	100
27) 1,2-Dichloroethane	5.788	62	148979	57.712	ug/L	100
29) Cyclohexane	5.383	56	176815	60.005	ug/L	100
30) 1,1,1-Trichloroethane	5.312	97	166442	53.718	ug/L	100
31) Carbon tetrachloride	5.521	117	141548	52.490	ug/L	100
33) Benzene	5.768	78	418328	56.057	ug/L	100
34) Trichloroethene	6.537	95	107172	53.305	ug/L	100
35) Methylcyclohexane	6.759	83	186736	54.451	ug/L	100
37) 1,2-Dichloropropane	6.784	63	114247	59.178	ug/L	100
38) Bromodichloromethane	7.100	83	146159	53.999	ug/L	100
39) cis-1,3-Dichloropropene	7.601	75	188231	57.407	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	236781	124.387	ug/L	100
42) Toluene	7.964	91	440784	52.931	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	177424	56.182	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.395	97	106176	54.642	ug/L	100
46) Tetrachloroethene	8.550	164	72054	46.866	ug/L	100
48) 2-Hexanone	8.678	43	181031	120.608	ug/L	100
49) Dibromochloromethane	8.804	129	107113	47.422	ug/L	100
50) 1,2-Dibromoethane	8.916	107	111324	53.044	ug/L	100
51) Chlorobenzene	9.440	112	273331	51.348	ug/L	100
52) Ethylbenzene	9.566	91	496041	53.834	ug/L	100
53) m,p-Xylene	9.688	106	189379	52.453	ug/L	100
54) o-xylene	10.096	106	185159	51.905	ug/L	100
55) Styrene	10.109	104	306980	51.324	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	166144	54.805	ug/L	100
59) Bromoform	10.286	173	75072	47.122	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	123517	58.190	ug/L	100
61) Isopropylbenzene	10.479	105	492453	56.092	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	409153	53.563	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	393700	53.127	ug/L	100
64) 1,3-Dichlorobenzene	11.739	146	195326	50.844	ug/L	100
65) 1,4-Dichlorobenzene	11.829	146	197382	50.858	ug/L	100
67) 1,2-Dichlorobenzene	12.205	146	197687	50.941	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.990	75	37074	57.581	ug/L	100
69) 1,3,5-Trichlorobenzene	13.212	180	129052	44.751	ug/L	100
70) 1,2,4-trichlorobenzene	13.832	180	118211	45.506	ug/L	100
71) Naphthalene	14.080	128	415534	52.095	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	118468	46.488	ug/L	100

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

TIC: VU053094.D\data.ms

Abundance

Time-->

Labeled compounds (from left to right):

- Dichlorodifluoromethane, T
- Chloromethane, T
- Bromochloromethane, T
- Carbon tetrachloride, S
- Trichlorofluoromethane, T
- Acetone, T
- Methyl Acetate, T
- Carbon disulfide, T
- Methylene chloride, T
- 1,1-Dichloroethane, T
- cis-1,2-Dichloroethene, T
- trans-1,2-Dichloroethene, S
- Bromoform, T
- 1,1,1-Trichloroethane, T
- Carbon tetrachloride, T
- 1,2-Dichloroethane, S
- 1,2-Dichloroethane, T
- 1,4-Difluorobenzene, I
- Trichloroethene, T
- 1,2-Dichloropropane, S
- 1,2-Dichloropropane, T
- Bromodichloromethane, T
- cis-1,3-Dichloropropene, T
- 4-Methyl-2-pentanone, I
- trans-1,3-Dichloropropene-d4, S
- trans-1,3-Dichloropropene, T
- 1,1,2-Trichloroethane, I
- 1,1,2-Trichloroethane, T
- 2-Hexanone, S
- 2-Hexanone, T
- Dibromodichloromethane, I
- 1,2-Dibromodichloromethane, T
- Chlorobenzene, T
- m,p-Xylene, I
- Ethylbenzene, T
- Syrene-to-xylene, T
- Isopropylbenzene, T
- 1,3,5-Trimethylbenzene, T
- 1,2,4-Trimethylbenzene, T
- 1,3-Cyclohexadiene, T
- 1,3-Cyclohexadiene, S
- 1,2-Dibromo-3-chloropropane, T
- 1,3,5-Trichlorobenzene
- 1,2,4-trichlorobenzene, T
- Naphthalene
- 1,2,3-Trichlorobenzene, T