

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021022\
 Data File : VU047076.D
 Acq On : 10 Feb 2022 15:47
 Operator : SY/MD
 Sample : VSTD10046
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100046

Quant Time: Feb 10 16:01:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 10 15:49:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	499809	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	466263	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	256705	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	458773	103.959	ug/L	0.00
7) Chloroethane-d5	1.916	69	341672	103.700	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.575	63	743138	99.911	ug/L	0.00
21) 2-Butanone-d5	4.626	46	708326	216.030	ug/L	0.00
24) Chloroform-d	5.067	84	737207	95.980	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.706	65	468732	96.157	ug/L	0.00
32) Benzene-d6	5.732	84	1549733	105.091	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.694	67	498444	108.983	ug/L	0.00
41) Toluene-d8	7.899	98	1468145	110.464	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	266943	119.590	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	592420	244.437	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	737913	105.716	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	593761	108.599	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	441088	96.699	ug/L	99
3) Chloromethane	1.530	50	438096	105.502	ug/L	100
5) Vinyl chloride	1.607	62	442961	103.800	ug/L	100
6) Bromomethane	1.861	94	263947	98.482	ug/L	97
8) Chloroethane	1.938	64	259056	100.357	ug/L	95
9) Trichlorofluoromethane	2.144	101	505299	83.508	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	312034	90.509	ug/L	97
12) 1,1-Dichloroethene	2.588	96	304982	93.174	ug/L	98
13) Acetone	2.636	43	426671	145.756	ug/L	95
14) Carbon disulfide	2.800	76	968997	98.388	ug/L	99
15) Methyl Acetate	2.951	43	412593	105.718	ug/L	95
16) Methylene chloride	3.051	84	345077	86.296	ug/L	95
17) trans-1,2-Dichloroethene	3.359	96	323255	94.444	ug/L	94
18) Methyl tert-butyl Ether	3.366	73	1092440	105.516	ug/L	96
19) 1,1-Dichloroethane	3.877	63	607632	96.942	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	364497	99.093	ug/L #	94
22) 2-Butanone	4.706	43	633884	184.834	ug/L	96
23) Bromochloromethane	4.980	128	190535	97.205	ug/L	98
25) Chloroform	5.092	83	593752	88.359	ug/L	100
27) 1,2-Dichloroethane	5.796	62	473356	91.524	ug/L	99
29) Cyclohexane	5.395	56	576673	114.494	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	531447	94.933	ug/L	99
31) Carbon tetrachloride	5.530	117	460586	94.655	ug/L	99
33) Benzene	5.777	78	1378048	100.084	ug/L	100
34) Trichloroethene	6.546	95	358163	98.706	ug/L	98
35) Methylcyclohexane	6.768	83	602838	106.568	ug/L	96
37) 1,2-Dichloropropane	6.793	63	367449	103.445	ug/L	98
38) Bromodichloromethane	7.108	83	472870	97.984	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	596689	107.772	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	1169814	233.879	ug/L	95
42) Toluene	7.970	91	1515960	104.170	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	598132	111.409	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.401	97	347923	97.042	ug/L	98
46) Tetrachloroethene	8.555	164	286897	103.323	ug/L	97
48) 2-Hexanone	8.684	43	957548	227.979	ug/L	95
49) Dibromochloromethane	8.812	129	404788	101.462	ug/L	99
50) 1,2-Dibromoethane	8.925	107	390597	103.661	ug/L	98
51) Chlorobenzene	9.449	112	974506	102.490	ug/L	99
52) Ethylbenzene	9.571	91	1668086	107.258	ug/L	99
53) m,p-Xylene	9.697	106	665276	110.390	ug/L	95
54) o-xylene	10.102	106	649724	112.432	ug/L	97
55) Styrene	10.115	104	1126228	111.832	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	622221	99.026	ug/L	99
59) Bromoform	10.291	173	336576	106.384	ug/L	97
60) 1,2,3-Trichloropropane	10.825	75	506201	94.632	ug/L	96
61) Isopropylbenzene	10.488	105	1688800	107.433	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	1196373	94.284	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	1462794	111.192	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	793622	101.008	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	796275	97.715	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	787849	100.071	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	161380	100.249	ug/L	90
69) 1,3,5-Trichlorobenzene	13.221	180	618162	102.278	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	593040	113.209	ug/L	99
71) Naphthalene	14.086	128	2084258	121.658	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	586459	111.540	ug/L	99

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

