

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060123\
 Data File : VU054379.D
 Acq On : 01 Jun 2023 17:30
 Operator : JC/MD
 Sample : VSTD10026
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100026

Quant Time: Jun 02 01:31:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM060123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 02 01:29:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	353129	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	350731	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	207403	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	291200	106.121	ug/L	0.00
7) Chloroethane-d5	1.906	69	180754	96.673	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.559	65	118612	106.440	ug/L	0.00
21) 2-Butanone-d5	4.620	46	483819	220.026	ug/L	0.00
24) Chloroform-d	5.057	84	512835	108.171	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.694	65	314319	107.151	ug/L	0.00
32) Benzene-d6	5.723	84	1020348	108.557	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.684	67	334710	106.250	ug/L	0.00
41) Toluene-d8	7.893	98	934198	109.856	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.173	79	162272	109.588	ug/L	0.00
47) 2-Hexanone-d5	8.629	63	340509	235.763	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	507841	107.775	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.188	152	378933	104.099	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	148685	110.913	ug/L	99
3) Chloromethane	1.520	50	175772	106.486	ug/L	100
5) Vinyl chloride	1.600	62	195939	108.314	ug/L	98
6) Bromomethane	1.851	94	93253	101.547	ug/L	98
8) Chloroethane	1.925	64	99146	95.846	ug/L	100
9) Trichlorofluoromethane	2.128	101	290204	109.408	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	192492	110.335	ug/L	99
12) 1,1-Dichloroethene	2.571	96	160909	110.218	ug/L	94
13) Acetone	2.633	43	292566	194.376	ug/L	99
14) Carbon disulfide	2.787	76	293418	109.053	ug/L	99
15) Methyl Acetate	2.944	43	270601	109.041	ug/L	98
16) Methylene chloride	3.041	84	212522	97.788	ug/L	98
17) trans-1,2-Dichloroethene	3.346	96	165388	112.741	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	683128	113.378	ug/L	99
19) 1,1-Dichloroethane	3.861	63	384623	112.473	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	220082	112.673	ug/L	98
22) 2-Butanone	4.700	43	425065	219.137	ug/L	100
23) Bromochloromethane	4.970	128	113682	112.628	ug/L	96
25) Chloroform	5.083	83	408590	112.087	ug/L	100
27) 1,2-Dichloroethane	5.787	62	295449	111.111	ug/L	98
29) Cyclohexane	5.382	56	256403	113.833	ug/L	100
30) 1,1,1-Trichloroethane	5.311	97	330288	111.916	ug/L	98
31) Carbon tetrachloride	5.520	117	270900	111.129	ug/L	98
33) Benzene	5.768	78	795655	112.325	ug/L	100
34) Trichloroethene	6.536	95	205450	109.117	ug/L	99
35) Methylcyclohexane	6.758	83	264461	113.887	ug/L	99
37) 1,2-Dichloropropane	6.784	63	237134	113.241	ug/L	99
38) Bromodichloromethane	7.099	83	304745	110.312	ug/L	100
39) cis-1,3-Dichloropropene	7.603	75	364407	112.645	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	777827	232.933	ug/L	100
42) Toluene	7.964	91	855482	114.517	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	367463	116.610	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.394	97	242730	109.555	ug/L	99
46) Tetrachloroethene	8.549	164	151227	109.052	ug/L	98
48) 2-Hexanone	8.681	43	619326	227.584	ug/L	100
49) Dibromochloromethane	8.806	129	242746	114.009	ug/L	100
50) 1,2-Dibromoethane	8.919	107	250759	110.317	ug/L	98
51) Chlorobenzene	9.443	112	574711	109.692	ug/L	98
52) Ethylbenzene	9.565	91	973982	115.362	ug/L	99
53) m,p-Xylene	9.690	106	367603	116.046	ug/L	98
54) o-Xylene	10.095	106	370536	117.753	ug/L	99
55) Styrene	10.108	104	665243	121.028	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	437501	111.627	ug/L	99
59) Bromoform	10.285	173	204613	110.648	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	337850	106.949	ug/L	99
61) Isopropylbenzene	10.478	105	997045	112.540	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	843799	118.405	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	841199	119.215	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	496622	109.463	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	503664	104.811	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	507468	107.708	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.989	75	100930	110.950	ug/L	94
69) 1,3,5-Trichlorobenzene	13.214	180	370575	109.555	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	350274	110.125	ug/L	100
71) Naphthalene	14.082	128	1200326	120.159	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	361036	111.519	ug/L	99

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

