

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052424\
 Data File : VU058946.D
 Acq On : 23 May 2024 13:07
 Operator : MD/SY
 Sample : VSTD10068
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100068

Quant Time: May 24 06:36:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 06:34:37 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	192063	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	194005	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	110821	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	199355	122.795	ug/L	0.00
7) Chloroethane-d5	1.907	69	165577	129.748	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	63	306213	107.223	ug/L	0.00
21) 2-Butanone-d5	4.611	46	296701	306.220	ug/L	0.00
24) Chloroform-d	5.055	84	344211	120.200	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	212291	117.782	ug/L	0.00
32) Benzene-d6	5.721	84	706577	117.017	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	225248	117.823	ug/L	0.00
41) Toluene-d8	7.891	98	646815	118.626	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	104730	114.145	ug/L	0.00
47) 2-Hexanone-d5	8.624	63	213470	270.106	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.749	84	339665	131.981	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	231075	107.337	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	116676	73.389	ug/L	100
3) Chloromethane	1.518	50	129011	84.827	ug/L	100
5) Vinyl chloride	1.602	62	147201	90.554	ug/L	99
6) Bromomethane	1.853	94	90213	91.581	ug/L	98
8) Chloroethane	1.927	64	103383	104.216	ug/L	99
9) Trichlorofluoromethane	2.136	101	200774	88.246	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	134191	97.786	ug/L	98
12) 1,1-Dichloroethene	2.573	96	109632	89.324	ug/L	81
13) Acetone	2.624	43	225951	208.719	ug/L	100
14) Carbon disulfide	2.788	76	205017	58.329	ug/L	100
15) Methyl Acetate	2.939	43	194967	129.280	ug/L	99
16) Methylene chloride	3.036	84	152852	103.619	ug/L	98
17) trans-1,2-Dichloroethene	3.348	96	116080	93.077	ug/L	96
18) Methyl tert-butyl Ether	3.354	73	472425	105.181	ug/L	99
19) 1,1-Dichloroethane	3.859	63	288210	109.770	ug/L	98
20) cis-1,2-Dichloroethene	4.656	96	154446	104.021	ug/L	97
22) 2-Butanone	4.692	43	313552	254.683	ug/L	98
23) Bromochloromethane	4.965	128	77957	106.037	ug/L	96
25) Chloroform	5.078	83	301877	111.598	ug/L	99
27) 1,2-Dichloroethane	5.785	62	231012	104.488	ug/L	100
29) Cyclohexane	5.383	56	173590	74.769	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	231154	94.879	ug/L	98
31) Carbon tetrachloride	5.518	117	182366	87.355	ug/L	100
33) Benzene	5.766	78	592769	99.420	ug/L	100
34) Trichloroethene	6.534	95	151652	94.479	ug/L	99
35) Methylcyclohexane	6.756	83	187534	77.208	ug/L	99
37) 1,2-Dichloropropane	6.782	63	184572	109.060	ug/L	99
38) Bromodichloromethane	7.097	83	232528	109.155	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	277289	104.176	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	583168	264.915	ug/L	99
42) Toluene	7.962	91	641624	101.363	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	261238	105.828	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	181816	114.507	ug/L	98
46) Tetrachloroethene	8.547	164	99921	90.755	ug/L	99
48) 2-Hexanone	8.676	43	474837	251.503	ug/L	98
49) Dibromochloromethane	8.801	129	177287	112.541	ug/L	94
50) 1,2-Dibromoethane	8.917	107	178452	107.614	ug/L	98
51) Chlorobenzene	9.441	112	411445	102.103	ug/L	100
52) Ethylbenzene	9.563	91	713779	100.463	ug/L	98
53) m,p-Xylene	9.688	106	270196	104.175	ug/L	98
54) o-Xylene	10.094	106	265205	104.305	ug/L	99
55) Styrene	10.106	104	489376	113.146	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	336951	127.763	ug/L	98
59) Bromoform	10.283	173	140549	108.292	ug/L	97
60) 1,2,3-Trichloropropane	10.814	75	265361	111.187	ug/L	99
61) Isopropylbenzene	10.476	105	731852	93.747	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	600525	92.805	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	614320	94.397	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	347403	100.229	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	355987	99.648	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	357675	101.910	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	76080	123.166	ug/L	94
69) 1,3,5-Trichlorobenzene	13.212	180	251964	103.648	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	231695	111.337	ug/L	97
71) Naphthalene	14.080	128	764878	133.558	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	238758	118.873	ug/L	100

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

