

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031523\
 Data File : VU053192.D
 Acq On : 15 Mar 2023 10:35
 Operator : JC/MD
 Sample : VSTD05007
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050007

Quant Time: Mar 16 03:45:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 16 03:43:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	175760	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	169274	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	91314	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	83760	51.591	ug/L	0.00
7) Chloroethane-d5	1.916	69	65272	48.280	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	63	140581	50.671	ug/L	0.00
21) 2-Butanone-d5	4.623	46	78626	94.668	ug/L	0.00
24) Chloroform-d	5.057	84	136873	48.806	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	83851	47.172	ug/L	0.00
32) Benzene-d6	5.722	84	279857	47.332	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.684	67	90848	47.106	ug/L	0.00
41) Toluene-d8	7.893	98	257253	46.999	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.173	79	44887	45.903	ug/L	0.00
47) 2-Hexanone-d5	8.626	63	56188	85.901	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	117170	45.697	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.188	152	86892	44.051	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	91806	50.905	ug/L	100
3) Chloromethane	1.520	50	85200	48.739	ug/L	100
5) Vinyl chloride	1.604	62	93644	49.929	ug/L	100
6) Bromomethane	1.861	94	56380	47.466	ug/L	100
8) Chloroethane	1.935	64	54880	48.292	ug/L	100
9) Trichlorofluoromethane	2.141	101	115355	47.795	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	69592	50.603	ug/L	100
12) 1,1-Dichloroethene	2.581	96	63629	49.219	ug/L	100
13) Acetone	2.633	43	83588	139.309	ug/L	100
14) Carbon disulfide	2.793	76	198069	47.541	ug/L	100
15) Methyl Acetate	2.944	43	60213	51.646	ug/L	100
16) Methylene chloride	3.044	84	75054	50.131	ug/L	100
17) trans-1,2-Dichloroethene	3.353	96	66089	50.195	ug/L	100
18) Methyl tert-butyl Ether	3.356	73	222541	50.388	ug/L	100
19) 1,1-Dichloroethane	3.864	63	135040	51.992	ug/L	100
20) cis-1,2-Dichloroethene	4.665	96	77112	50.163	ug/L	100
22) 2-Butanone	4.700	43	100355	117.759	ug/L	100
23) Bromochloromethane	4.970	128	37780	52.199	ug/L	100
25) Chloroform	5.083	83	136627	51.572	ug/L	100
27) 1,2-Dichloroethane	5.790	62	106199	51.711	ug/L	100
29) Cyclohexane	5.385	56	127264	50.851	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	116136	49.382	ug/L	100
31) Carbon tetrachloride	5.520	117	96416	48.476	ug/L	100
33) Benzene	5.771	78	298147	50.146	ug/L	100
34) Trichloroethene	6.539	95	77607	50.143	ug/L	100
35) Methylcyclohexane	6.761	83	134580	50.251	ug/L	100
37) 1,2-Dichloropropane	6.787	63	83025	50.441	ug/L	100
38) Bromodichloromethane	7.099	83	104818	50.762	ug/L	100
39) cis-1,3-Dichloropropene	7.603	75	136906	50.643	ug/L	100
40) 4-Methyl-2-pentanone	7.784	43	173143	98.664	ug/L	100
42) Toluene	7.964	91	322494	50.723	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	126334	50.669	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.394	97	76001	51.070	ug/L	100
46) Tetrachloroethene	8.549	164	50700	49.735	ug/L	100
48) 2-Hexanone	8.677	43	143145	101.803	ug/L	100
49) Dibromochloromethane	8.806	129	77690	50.410	ug/L	100
50) 1,2-Dibromoethane	8.918	107	81659	51.402	ug/L	100
51) Chlorobenzene	9.443	112	199051	50.585	ug/L	100
52) Ethylbenzene	9.565	91	362030	51.081	ug/L	100
53) m,p-Xylene	9.690	106	136443	51.331	ug/L	100
54) o-Xylene	10.095	106	134945	51.087	ug/L	100
55) Styrene	10.108	104	225943	51.468	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	123493	50.774	ug/L	100
59) Bromoform	10.285	173	52649	47.373	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	89905	47.363	ug/L	100
61) Isopropylbenzene	10.478	105	362189	49.789	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	297634	48.424	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	291563	48.837	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	149877	49.891	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	150402	49.419	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	147665	48.893	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	25513	46.083	ug/L	100
69) 1,3,5-Trichlorobenzene	13.214	180	97601	48.068	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	87828	45.860	ug/L	100
71) Naphthalene	14.079	128	296336	40.575	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	84037	44.066	ug/L	100

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

