

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
 Data File : VU054790.D
 Acq On : 17 Jul 2023 10:39
 Operator : MD/SY
 Sample : VSTD05031
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050031

Quant Time: Jul 18 05:33:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 18 05:32:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	238213	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	233683	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	134202	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	94555	51.357	ug/L	0.00
7) Chloroethane-d5	1.879	69	93575	50.807	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	63	136527	51.694	ug/L	0.00
21) 2-Butanone-d5	4.615	46	124092	104.857	ug/L	0.00
24) Chloroform-d	5.055	84	144320	50.356	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	86329	50.302	ug/L	0.00
32) Benzene-d6	5.721	84	291761	52.415	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	94562	50.451	ug/L	0.00
41) Toluene-d8	7.894	98	274522	51.755	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	48568	50.654	ug/L	0.00
47) 2-Hexanone-d5	8.631	63	94922	107.136	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	176723	51.333	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	123314	53.473	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	91349	50.741	ug/L	100
3) Chloromethane	1.518	50	105438	51.355	ug/L	100
5) Vinyl chloride	1.602	62	137503	51.511	ug/L	100
6) Bromomethane	1.824	94	81821	50.359	ug/L	100
8) Chloroethane	1.904	64	95242	51.575	ug/L	100
9) Trichlorofluoromethane	2.120	101	221069	51.741	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	80842	51.291	ug/L	100
12) 1,1-Dichloroethene	2.567	96	76804	51.818	ug/L	100
13) Acetone	2.621	43	96134	96.580	ug/L	100
14) Carbon disulfide	2.782	76	219914	50.812	ug/L	100
15) Methyl Acetate	2.943	43	87170	52.504	ug/L	100
16) Methylene chloride	3.036	84	91906	51.365	ug/L	100
17) trans-1,2-Dichloroethene	3.342	96	78544	51.197	ug/L	100
18) Methyl tert-butyl Ether	3.358	73	275823	51.950	ug/L	100
19) 1,1-Dichloroethane	3.859	63	152985	52.260	ug/L	100
20) cis-1,2-Dichloroethene	4.660	96	94254	51.690	ug/L	100
22) 2-Butanone	4.698	43	139826	102.864	ug/L	100
23) Bromochloromethane	4.968	128	47845	51.576	ug/L	100
25) Chloroform	5.078	83	160067	52.143	ug/L	100
27) 1,2-Dichloroethane	5.788	62	120264	51.588	ug/L	100
29) Cyclohexane	5.380	56	129005	50.205	ug/L	100
30) 1,1,1-Trichloroethane	5.309	97	137363	52.967	ug/L	100
31) Carbon tetrachloride	5.515	117	118740	53.019	ug/L	100
33) Benzene	5.766	78	354542	52.953	ug/L	100
34) Trichloroethene	6.538	95	89942	52.774	ug/L	100
35) Methylcyclohexane	6.756	83	141708	50.878	ug/L	100
37) 1,2-Dichloropropane	6.785	63	96592	52.456	ug/L	100
38) Bromodichloromethane	7.100	83	124809	52.831	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	157411	51.831	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	296192	105.049	ug/L	100
42) Toluene	7.965	91	394436	52.647	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	147730	51.775	ug/L	100

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45) 1,1,2-Trichloroethane	8.396	97	97569	51.971	ug/L	100
46) Tetrachloroethene	8.550	164	68413	52.359	ug/L	100
48) 2-Hexanone	8.682	43	240165	105.392	ug/L	100
49) Dibromochloromethane	8.808	129	99668	51.542	ug/L	100
50) 1,2-Dibromoethane	8.920	107	106343	52.626	ug/L	100
51) Chlorobenzene	9.444	112	256387	52.602	ug/L	100
52) Ethylbenzene	9.566	91	448959	51.831	ug/L	100
53) m,p-Xylene	9.689	106	171847	52.108	ug/L	100
54) o-Xylene	10.097	106	173242	51.710	ug/L	100
55) Styrene	10.110	104	305086	52.286	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.779	83	192025	51.808	ug/L	100
59) Bromoform	10.287	173	87325	52.022	ug/L	100
60) 1,2,3-Trichloropropane	10.820	75	138961	53.067	ug/L	100
61) Isopropylbenzene	10.480	105	463239	52.243	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	381062	52.183	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	378737	52.325	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	213745	51.977	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	214670	51.827	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	219538	53.144	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.994	75	35637	50.918	ug/L	100
69) 1,3,5-Trichlorobenzene	13.216	180	144195	52.308	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	127613	53.622	ug/L	100
71) Naphthalene	14.081	128	426333	54.580	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	124570	53.752	ug/L	100

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

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