

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
 Data File : VU050833.D
 Acq On : 20 Sep 2022 15:06
 Operator : JC/MD
 Sample : VSTD10034
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100034

Quant Time: Sep 21 02:10:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 21 02:08:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	484259	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	477479	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	245727	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	491251	112.581	ug/L	0.00
7) Chloroethane-d5	1.893	69	332188	112.655	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.562	63	769908	103.102	ug/L	0.00
21) 2-Butanone-d5	4.616	46	659542	214.492	ug/L	0.00
24) Chloroform-d	5.060	84	772901	97.932	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	472863	97.709	ug/L	0.00
32) Benzene-d6	5.726	84	1578071	99.328	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	525653	101.187	ug/L	0.00
41) Toluene-d8	7.896	98	1432172	105.089	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	238329	109.130	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	495488	328.903	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.755	84	801114	101.213	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	504327	88.264	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	495456	104.510	ug/L	99
3) Chloromethane	1.520	50	540928	103.728	ug/L	100
5) Vinyl chloride	1.601	62	551937	111.307	ug/L	97
6) Bromomethane	1.832	94	287427	113.176	ug/L	98
8) Chloroethane	1.916	64	304715	115.120	ug/L	99
9) Trichlorofluoromethane	2.128	101	596311	101.259	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	390093	101.577	ug/L	99
12) 1,1-Dichloroethene	2.572	96	363734	98.053	ug/L	97
13) Acetone	2.620	43	440126	187.763	ug/L	99
14) Carbon disulfide	2.784	76	1147757	102.709	ug/L	99
15) Methyl Acetate	2.945	43	495969	101.111	ug/L	100
16) Methylene chloride	3.038	84	443471	91.078	ug/L	99
17) trans-1,2-Dichloroethene	3.346	96	377810	96.741	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	1213574	100.547	ug/L	99
19) 1,1-Dichloroethane	3.864	63	740593	97.650	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	434992	98.724	ug/L	100
22) 2-Butanone	4.697	43	720141	199.694	ug/L	100
23) Bromochloromethane	4.970	128	213530	93.933	ug/L	99
25) Chloroform	5.086	83	746788	97.170	ug/L	99
27) 1,2-Dichloroethane	5.790	62	568472	99.314	ug/L	99
29) Cyclohexane	5.385	56	714990	110.590	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	618635	96.217	ug/L	98
31) Carbon tetrachloride	5.520	117	516144	97.583	ug/L	100
33) Benzene	5.771	78	1745011	99.804	ug/L	100
34) Trichloroethene	6.539	95	405176	100.052	ug/L	99
35) Methylcyclohexane	6.761	83	724251	111.411	ug/L	98
37) 1,2-Dichloropropane	6.790	63	469328	101.427	ug/L	100
38) Bromodichloromethane	7.105	83	561120	103.318	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	682043	109.144	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	1388342	217.907	ug/L	98
42) Toluene	7.967	91	1841682	103.621	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	650735	109.548	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.398	97	436462	98.587	ug/L	99
46) Tetrachloroethene	8.552	164	295090	99.794	ug/L	98
48) 2-Hexanone	8.684	43	1137071	194.542	ug/L	98
49) Dibromochloromethane	8.809	129	438589	103.263	ug/L	99
50) 1,2-Dibromoethane	8.922	107	462678	102.593	ug/L	100
51) Chlorobenzene	9.446	112	1071228	97.987	ug/L	100
52) Ethylbenzene	9.568	91	1900037	108.904	ug/L	100
53) m,p-Xylene	9.693	106	716335	106.379	ug/L	97
54) o-Xylene	10.099	106	718656	108.108	ug/L	99
55) Styrene	10.111	104	1255322	113.485	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	811464	101.635	ug/L	100
59) Bromoform	10.291	173	332637	90.202	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	618982	85.704	ug/L	99
61) Isopropylbenzene	10.484	105	1841414	95.116	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	1594762	96.775	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	1599703	100.449	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	800937	93.605	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	810562	95.848	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	830606	91.378	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	179352	92.394	ug/L	96
69) 1,3,5-Trichlorobenzene	13.217	180	570410	93.137	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	487105	93.119	ug/L	99
71) Naphthalene	14.086	128	1917558	101.136	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	532921	93.742	ug/L	100

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

