

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
 Data File : VU050830.D
 Acq On : 20 Sep 2022 13:50
 Operator : JC/MD
 Sample : VSTD00531
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005031

Quant Time: Sep 21 02:09:19 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	6.250	114	413980	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	401624	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	165010	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	21595	5.789	ug/L	0.00
7) Chloroethane-d5	1.906	69	15457	6.132	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	63	33007	5.170	ug/L	0.00
21) 2-Butanone-d5	4.629	46	24617	9.365	ug/L	0.01
24) Chloroform-d	5.063	84	33189	4.919	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.703	65	21007	5.078	ug/L	0.00
32) Benzene-d6	5.729	84	62462	4.674	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	21899	5.012	ug/L	0.00
41) Toluene-d8	7.899	98	51463	4.489	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	8855	4.821	ug/L	0.00
47) 2-Hexanone-d5	8.636	63	13298	10.494	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.755	84	32813	4.929	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	17881	4.660	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	21335	5.264	ug/L	94
3) Chloromethane	1.523	50	28023	6.286	ug/L	100
5) Vinyl chloride	1.604	62	26190	6.178	ug/L	95
6) Bromomethane	1.848	94	13758	6.337	ug/L	95
8) Chloroethane	1.929	64	14680	6.488	ug/L	99
9) Trichlorofluoromethane	2.134	101	28869	5.734	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	18469	5.626	ug/L	95
12) 1,1-Dichloroethene	2.578	96	17220	5.430	ug/L	90
13) Acetone	2.623	43	34142	17.038	ug/L	99
14) Carbon disulfide	2.790	76	53490	5.599	ug/L	99
15) Methyl Acetate	2.948	43	24088	5.744	ug/L	99
16) Methylene chloride	3.041	84	29507	7.089	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	16481	4.937	ug/L	94
18) Methyl tert-butyl Ether	3.366	73	47215	4.576	ug/L	97
19) 1,1-Dichloroethane	3.867	63	34995	5.398	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	18023	4.785	ug/L	94
22) 2-Butanone	4.707	43	30568	9.915	ug/L	98
23) Bromochloromethane	4.977	128	10397	5.350	ug/L	89
25) Chloroform	5.089	83	34883	5.309	ug/L	96
27) 1,2-Dichloroethane	5.793	62	26636	5.443	ug/L	97
29) Cyclohexane	5.385	56	24939	4.586	ug/L	98
30) 1,1,1-Trichloroethane	5.317	97	28424	5.256	ug/L	99
31) Carbon tetrachloride	5.523	117	23559	5.295	ug/L #	2
33) Benzene	5.774	78	76368	5.193	ug/L	100
34) Trichloroethene	6.542	95	17631	5.176	ug/L	98
35) Methylcyclohexane	6.761	83	25369	4.640	ug/L	97
37) 1,2-Dichloropropane	6.790	63	21415	5.502	ug/L #	97
38) Bromodichloromethane	7.105	83	25486	5.579	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	25641	4.878	ug/L	95
40) 4-Methyl-2-pentanone	7.790	43	49245	9.189	ug/L	99
42) Toluene	7.970	91	66941	4.478	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	23329	4.669	ug/L	100

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

45) 1,1,2-Trichloroethane	8.401	97	19088	5.126	ug/L	97
46) Tetrachloroethene	8.555	164	12380	4.977	ug/L	95
48) 2-Hexanone	8.684	43	41707	8.483	ug/L	94
49) Dibromochloromethane	8.809	129	17891	5.008	ug/L	93
50) 1,2-Dibromoethane	8.925	107	19071	5.027	ug/L	97
51) Chlorobenzene	9.446	112	44803	4.872	ug/L	97
52) Ethylbenzene	9.571	91	63608	4.334	ug/L	98
53) m,p-Xylene	9.693	106	22137	3.908	ug/L	97
54) o-Xylene	10.102	106	22169	3.965	ug/L	88
55) Styrene	10.115	104	36452	3.918	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.780	83	34202	5.093	ug/L	99
59) Bromoform	10.288	173	12983	5.243	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	27700	5.711	ug/L	98
61) Isopropylbenzene	10.484	105	55281	4.252	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	42456	3.837	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	40347	3.773	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	28004	4.874	ug/L	94
65) 1,4-Dichlorobenzene	11.835	146	28943	5.097	ug/L	94
67) 1,2-Dichlorobenzene	12.211	146	30675	5.025	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.996	75	7156	5.490	ug/L	90
69) 1,3,5-Trichlorobenzene	13.217	180	19917	4.843	ug/L	94
70) 1,2,4-trichlorobenzene	13.841	180	15176	4.320	ug/L	98
71) Naphthalene	14.086	128	56519	4.439	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	17291	4.529	ug/L	97

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

