

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U093022\
 Data File : VU051026.D
 Acq On : 30 Sep 2022 11:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050102

Quant Time: Oct 01 01:17:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 30 02:29:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	368665	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	372296	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	180728	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	168231	45.027	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.060%
7) Chloroethane-d5	1.906	69	153238	44.152	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.300%
11) 1,1-Dichloroethene-d2	2.565	63	256023	46.389	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.780%
21) 2-Butanone-d5	4.617	46	291736	120.390	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	120.390%
24) Chloroform-d	5.060	84	323157	53.685	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.360%
26) 1,2-Dichloroethane-d4	5.697	65	207748	55.758	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.520%
32) Benzene-d6	5.726	84	619725	56.844	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.680%
36) 1,2-Dichloropropane-d6	6.687	67	211978	59.920	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	119.840%
41) Toluene-d8	7.896	98	547746	54.379	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.760%
43) trans-1,3-Dichloroprop...	8.176	79	86317	51.155	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.300%
47) 2-Hexanone-d5	8.629	63	155909	109.145	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.140%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	328976	53.209	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.420%
66) 1,2-Dichlorobenzene-d4	12.192	152	190046	49.224	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	136323	44.097	ug/L	99
3) Chloromethane	1.520	50	201596	55.193	ug/L	99
5) Vinyl chloride	1.604	62	181221	46.750	ug/L	98
6) Bromomethane	1.848	94	136173	42.409	ug/L	99
8) Chloroethane	1.929	64	126482	44.435	ug/L	99
9) Trichlorofluoromethane	2.134	101	205610	39.448	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	121661	43.227	ug/L	97
12) 1,1-Dichloroethene	2.578	96	120116	45.688	ug/L	94
13) Acetone	2.626	43	218091	112.705	ug/L	96
14) Carbon disulfide	2.790	76	376896	48.498	ug/L	99
15) Methyl Acetate	2.945	43	225676	63.879	ug/L	97
16) Methylene chloride	3.041	84	188143	49.851	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	138951	49.680	ug/L	98
18) Methyl tert-butyl Ether	3.359	73	490605	57.720	ug/L	98
19) 1,1-Dichloroethane	3.867	63	296900	55.883	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	167194	53.538	ug/L	96
22) 2-Butanone	4.697	43	330789	123.726	ug/L	97
23) Bromochloromethane	4.970	128	93667	54.741	ug/L	91
25) Chloroform	5.086	83	317956	55.020	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	257478	58.163	ug/L	100
29) Cyclohexane	5.388	56	175292	48.356	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	225438	51.632	ug/L	99
31) Carbon tetrachloride	5.523	117	174496	48.982	ug/L	97
33) Benzene	5.771	78	671689	59.179	ug/L	100
34) Trichloroethene	6.539	95	156850	53.354	ug/L	97
35) Methylcyclohexane	6.761	83	182157	45.526	ug/L	96
37) 1,2-Dichloropropane	6.790	63	189267	61.923	ug/L	98
38) Bromodichloromethane	7.102	83	239233	58.650	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	227966	52.665	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	592634	133.887	ug/L	98
42) Toluene	7.967	91	679994	56.325	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	230463	52.657	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	192822	58.242	ug/L	100
46) Tetrachloroethene	8.552	164	101561	45.587	ug/L	98
48) 2-Hexanone	8.681	43	527274	131.148	ug/L	97
49) Dibromochloromethane	8.806	129	187669	53.915	ug/L	99
50) 1,2-Dibromoethane	8.922	107	199450	55.564	ug/L	100
51) Chlorobenzene	9.446	112	403064	49.094	ug/L	99
52) Ethylbenzene	9.568	91	616492	47.874	ug/L	100
53) m,p-Xylene	9.690	106	238760	49.305	ug/L	94
54) o-Xylene	10.099	106	244375	50.488	ug/L	99
55) Styrene	10.111	104	449350	53.713	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	330067	56.332	ug/L	100
59) Bromoform	10.288	173	137858	51.843	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	272550	57.307	ug/L	98
61) Isopropylbenzene	10.481	105	574564	48.940	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	478575	49.851	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	490735	51.002	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	290639	48.021	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	297403	49.157	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	316630	50.919	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	79501	57.281	ug/L	97
69) 1,3,5-Trichlorobenzene	13.214	180	187254	45.624	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	153022	45.568	ug/L	99
71) Naphthalene	14.082	128	585279	48.696	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	186728	49.831	ug/L	100

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

