

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050223\
 Data File : VU054042.D
 Acq On : 02 May 2023 09:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050087

Quant Time: May 03 05:17:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 02 05:29:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	265877	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	250660	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	139668	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	79078	39.326	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.660%
7) Chloroethane-d5	1.909	69	57467	43.537	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.080%
11) 1,1-Dichloroethene-d2	2.565	63	154911	43.435	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.860%
21) 2-Butanone-d5	4.623	46	103634	90.363	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.360%
24) Chloroform-d	5.057	84	168149	45.530	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.060%
26) 1,2-Dichloroethane-d4	5.697	65	105378	44.440	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.880%
32) Benzene-d6	5.723	84	325466	44.112	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.220%
36) 1,2-Dichloropropane-d6	6.684	67	102614	44.055	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.100%
41) Toluene-d8	7.893	98	302401	45.397	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.800%
43) trans-1,3-Dichloroprop...	8.176	79	48121	41.747	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.500%
47) 2-Hexanone-d5	8.629	63	68032	81.547	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.550%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	141561	46.140	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.280%
66) 1,2-Dichlorobenzene-d4	12.189	152	123198	45.153	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	91587	47.744	ug/L	100
3) Chloromethane	1.520	50	81925	46.469	ug/L	96
5) Vinyl chloride	1.604	62	89791	47.885	ug/L	99
6) Bromomethane	1.858	94	48247	46.156	ug/L	97
8) Chloroethane	1.932	64	49385	48.330	ug/L	100
9) Trichlorofluoromethane	2.134	101	142765	47.978	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	87051	48.915	ug/L	99
12) 1,1-Dichloroethene	2.578	96	72853	47.238	ug/L	95
13) Acetone	2.636	43	78091	69.372	ug/L	100
14) Carbon disulfide	2.790	76	162864	47.579	ug/L	98
15) Methyl Acetate	2.948	43	92904	52.700	ug/L	97
16) Methylene chloride	3.044	84	98657	50.721	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	75717	48.013	ug/L	100
18) Methyl tert-butyl Ether	3.356	73	271225	46.782	ug/L	99
19) 1,1-Dichloroethane	3.864	63	160570	47.422	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	92670	47.819	ug/L	97
22) 2-Butanone	4.703	43	114354	86.045	ug/L	96
23) Bromochloromethane	4.970	128	49062	48.832	ug/L	98
25) Chloroform	5.083	83	171644	48.039	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	133430	48.549	ug/L	97
29) Cyclohexane	5.382	56	121662	46.963	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	148037	47.382	ug/L	100
31) Carbon tetrachloride	5.520	117	127541	47.850	ug/L	100
33) Benzene	5.768	78	345476	47.352	ug/L	100
34) Trichloroethene	6.536	95	90308	46.637	ug/L	100
35) Methylcyclohexane	6.758	83	128828	47.436	ug/L	98
37) 1,2-Dichloropropane	6.787	63	95237	46.139	ug/L	100
38) Bromodichloromethane	7.102	83	125697	48.335	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	143249	44.363	ug/L	97
40) 4-Methyl-2-pentanone	7.787	43	225749	93.848	ug/L	100
42) Toluene	7.964	91	365855	48.168	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	138595	45.163	ug/L	96
45) 1,1,2-Trichloroethane	8.395	97	94635	47.367	ug/L	99
46) Tetrachloroethene	8.549	164	71825	46.754	ug/L	99
48) 2-Hexanone	8.681	43	167348	87.784	ug/L	99
49) Dibromochloromethane	8.806	129	97886	49.720	ug/L	98
50) 1,2-Dibromoethane	8.919	107	97879	48.266	ug/L	95
51) Chlorobenzene	9.443	112	246808	48.583	ug/L	99
52) Ethylbenzene	9.565	91	412525	48.257	ug/L	98
53) m,p-Xylene	9.690	106	160194	49.905	ug/L	100
54) o-Xylene	10.095	106	154937	49.337	ug/L	99
55) Styrene	10.108	104	269198	49.977	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	151659	48.187	ug/L	99
59) Bromoform	10.285	173	74109	47.395	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	118051	45.504	ug/L	100
61) Isopropylbenzene	10.478	105	422142	47.881	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	345782	47.862	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	343589	48.250	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	204757	47.486	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	205779	46.859	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	205867	47.306	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	30625	46.272	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	152495	48.805	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	135915	47.981	ug/L	97
71) Naphthalene	14.082	128	378138	46.024	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	134482	47.726	ug/L	99

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

