

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050523\
 Data File : VU054068.D
 Acq On : 05 May 2023 09:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050091

Quant Time: May 06 01:11:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 05 04:34:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	258839	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	241210	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	134890	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	76273	38.962	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	77.920%		
7) Chloroethane-d5	1.912	69	53219	41.415	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	82.820%		
11) 1,1-Dichloroethene-d2	2.565	63	149201	42.971	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.940%		
21) 2-Butanone-d5	4.623	46	107360	96.157	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.160%		
24) Chloroform-d	5.057	84	165657	46.075	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.140%		
26) 1,2-Dichloroethane-d4	5.697	65	106985	46.344	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.680%		
32) Benzene-d6	5.722	84	314975	44.362	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.720%		
36) 1,2-Dichloropropane-d6	6.684	67	99373	44.335	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	88.660%		
41) Toluene-d8	7.893	98	294291	45.911	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.820%		
43) trans-1,3-Dichloroprop...	8.176	79	48028	43.299	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.600%		
47) 2-Hexanone-d5	8.629	63	71878	89.533	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	89.530%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	139657	47.303	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.600%		
66) 1,2-Dichlorobenzene-d4	12.188	152	122518	46.494	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.980%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	87651	46.935	ug/L	100
3) Chloromethane	1.520	50	76984	44.854	ug/L	96
5) Vinyl chloride	1.604	62	84545	46.313	ug/L	98
6) Bromomethane	1.858	94	44566	43.794	ug/L	96
8) Chloroethane	1.932	64	46882	47.128	ug/L	99
9) Trichlorofluoromethane	2.137	101	139883	48.288	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	82978	47.894	ug/L	99
12) 1,1-Dichloroethene	2.578	96	72047	47.986	ug/L	95
13) Acetone	2.633	43	71772	65.492	ug/L	99
14) Carbon disulfide	2.790	76	153184	45.968	ug/L	99
15) Methyl Acetate	2.948	43	80660	46.998	ug/L	98
16) Methylene chloride	3.044	84	89003	47.002	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	72350	47.125	ug/L	95
18) Methyl tert-butyl Ether	3.359	73	265729	47.080	ug/L	98
19) 1,1-Dichloroethane	3.864	63	155225	47.090	ug/L	97
20) cis-1,2-Dichloroethene	4.661	96	88294	46.799	ug/L	98
22) 2-Butanone	4.703	43	108889	84.160	ug/L	98
23) Bromochloromethane	4.970	128	46678	47.722	ug/L	98
25) Chloroform	5.083	83	167594	48.180	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	126897	47.428	ug/L	100
29) Cyclohexane	5.385	56	112831	45.261	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	144210	47.965	ug/L	99
31) Carbon tetrachloride	5.520	117	125317	48.857	ug/L	96
33) Benzene	5.771	78	327820	46.692	ug/L	100
34) Trichloroethene	6.536	95	89222	47.881	ug/L	97
35) Methylcyclohexane	6.761	83	118078	45.182	ug/L	99
37) 1,2-Dichloropropane	6.787	63	91489	46.059	ug/L	99
38) Bromodichloromethane	7.102	83	121371	48.500	ug/L	98
39) cis-1,3-Dichloropropene	7.603	75	139785	44.986	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	214977	92.871	ug/L	99
42) Toluene	7.967	91	351687	48.117	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	134260	45.465	ug/L	98
45) 1,1,2-Trichloroethane	8.394	97	93199	48.476	ug/L	95
46) Tetrachloroethene	8.549	164	69527	47.031	ug/L	99
48) 2-Hexanone	8.681	43	166048	90.515	ug/L	99
49) Dibromochloromethane	8.806	129	93339	49.268	ug/L	98
50) 1,2-Dibromoethane	8.918	107	95774	49.078	ug/L	100
51) Chlorobenzene	9.443	112	239447	48.980	ug/L	99
52) Ethylbenzene	9.565	91	400282	48.659	ug/L	99
53) m,p-Xylene	9.690	106	151596	49.076	ug/L	97
54) o-Xylene	10.095	106	148871	49.262	ug/L	98
55) Styrene	10.111	104	260129	50.185	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	144222	47.620	ug/L	99
59) Bromoform	10.285	173	72401	47.943	ug/L	98
60) 1,2,3-Trichloropropane	10.816	75	114871	45.847	ug/L	98
61) Isopropylbenzene	10.481	105	404947	47.558	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	335700	48.112	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	333305	48.464	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	200209	48.076	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	200820	47.349	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	199422	47.448	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	29349	45.915	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	147635	48.923	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	127191	46.492	ug/L	100
71) Naphthalene	14.082	128	358636	45.196	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	132138	48.555	ug/L	100

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

