

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050823\
 Data File : VU054074.D
 Acq On : 08 May 2023 12:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050093

Quant Time: May 09 04:38:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 06 01:14:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	233342	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	214442	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	119964	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	74427	42.173	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.340%
7) Chloroethane-d5	1.906	69	61835	53.378	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.760%
11) 1,1-Dichloroethene-d2	2.565	63	144829	46.270	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.540%
21) 2-Butanone-d5	4.616	46	97184	96.554	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.550%
24) Chloroform-d	5.057	84	164136	50.640	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.280%
26) 1,2-Dichloroethane-d4	5.694	65	103171	49.576	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.160%
32) Benzene-d6	5.723	84	308050	48.803	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.600%
36) 1,2-Dichloropropane-d6	6.684	67	99098	49.731	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.460%
41) Toluene-d8	7.893	98	288889	50.693	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.380%
43) trans-1,3-Dichloroprop...	8.176	79	51044	51.762	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.520%
47) 2-Hexanone-d5	8.629	63	63416	88.853	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.850%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	132789	50.591	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.180%
66) 1,2-Dichlorobenzene-d4	12.189	152	121344	51.778	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	84942	50.454	ug/L	99
3) Chloromethane	1.517	50	72567	46.901	ug/L	97
5) Vinyl chloride	1.604	62	80604	48.979	ug/L	96
6) Bromomethane	1.851	94	41029	44.724	ug/L	94
8) Chloroethane	1.928	64	51476	57.401	ug/L	97
9) Trichlorofluoromethane	2.134	101	132917	50.896	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	80067	51.264	ug/L	98
12) 1,1-Dichloroethene	2.578	96	67369	49.773	ug/L	93
13) Acetone	2.626	43	125434	126.966	ug/L	100
14) Carbon disulfide	2.790	76	149559	49.784	ug/L	100
15) Methyl Acetate	2.945	43	73269	47.357	ug/L	97
16) Methylene chloride	3.041	84	81442	47.709	ug/L	99
17) trans-1,2-Dichloroethene	3.346	96	68057	49.173	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	250659	49.263	ug/L	98
19) 1,1-Dichloroethane	3.864	63	147889	49.767	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	83387	49.028	ug/L	96
22) 2-Butanone	4.697	43	133664	114.597	ug/L	96
23) Bromochloromethane	4.967	128	43837	49.715	ug/L	98
25) Chloroform	5.083	83	159440	50.845	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	119643	49.603	ug/L	100
29) Cyclohexane	5.385	56	108014	48.737	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	136976	51.246	ug/L	99
31) Carbon tetrachloride	5.520	117	118622	52.020	ug/L	100
33) Benzene	5.768	78	312806	50.115	ug/L	100
34) Trichloroethene	6.536	95	83456	50.377	ug/L	98
35) Methylcyclohexane	6.758	83	113975	49.055	ug/L	98
37) 1,2-Dichloropropane	6.784	63	85932	48.662	ug/L	98
38) Bromodichloromethane	7.099	83	116292	52.271	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	140288	50.783	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	196496	95.483	ug/L	99
42) Toluene	7.964	91	335987	51.707	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	135223	51.507	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	87244	51.043	ug/L	96
46) Tetrachloroethene	8.549	164	67082	51.041	ug/L	98
48) 2-Hexanone	8.681	43	175133	107.384	ug/L	99
49) Dibromochloromethane	8.806	129	89064	52.880	ug/L	95
50) 1,2-Dibromoethane	8.919	107	90708	52.285	ug/L	99
51) Chlorobenzene	9.443	112	224537	51.664	ug/L	99
52) Ethylbenzene	9.565	91	378124	51.703	ug/L	98
53) m,p-Xylene	9.690	106	142274	51.808	ug/L	94
54) o-Xylene	10.095	106	143278	53.330	ug/L	97
55) Styrene	10.111	104	246451	53.481	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	134455	49.937	ug/L	97
59) Bromoform	10.285	173	70243	52.301	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	104553	46.921	ug/L	100
61) Isopropylbenzene	10.481	105	384293	50.747	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	318091	51.260	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	315579	51.595	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	189387	51.136	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	192454	51.023	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	189546	50.710	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	26990	47.478	ug/L	93
69) 1,3,5-Trichlorobenzene	13.214	180	138086	51.452	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	120094	49.360	ug/L	99
71) Naphthalene	14.082	128	323954	45.905	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	122484	50.607	ug/L	98

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

