

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021423\
 Data File : VU053091.D
 Acq On : 14 Feb 2023 11:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050154

Quant Time: Feb 15 00:48:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 15 00:41:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	188956	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	177456	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	90216	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	85938	49.509	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.020%
7) Chloroethane-d5	1.913	69	75059	51.092	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.180%
11) 1,1-Dichloroethene-d2	2.566	63	147108	49.409	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.820%
21) 2-Butanone-d5	4.627	46	62460	68.850	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	68.850%
24) Chloroform-d	5.058	84	157420	51.410	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.820%
26) 1,2-Dichloroethane-d4	5.697	65	99393	51.043	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.080%
32) Benzene-d6	5.723	84	315263	49.800	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.600%
36) 1,2-Dichloropropane-d6	6.685	67	105021	50.781	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.560%
41) Toluene-d8	7.894	98	292517	49.904	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.800%
43) trans-1,3-Dichloroprop...	8.173	79	39553	37.552	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.100%
47) 2-Hexanone-d5	8.630	63	57010	79.801	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.800%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	137603	49.992	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.980%
66) 1,2-Dichlorobenzene-d4	12.189	152	100721	50.220	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.386	85	72592	37.545	ug/L	98
3) Chloromethane	1.518	50	80600	42.766	ug/L	98
5) Vinyl chloride	1.604	62	89904	44.508	ug/L	98
6) Bromomethane	1.858	94	51513	40.117	ug/L	97
8) Chloroethane	1.932	64	58729	47.764	ug/L	99
9) Trichlorofluoromethane	2.138	101	122365	46.589	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	57854	39.399	ug/L	97
12) 1,1-Dichloroethene	2.579	96	64085	46.119	ug/L	95
13) Acetone	2.640	43	40621	70.780	ug/L	99
14) Carbon disulfide	2.791	76	190004	42.189	ug/L	99
15) Methyl Acetate	2.948	43	62310	50.377	ug/L	98
16) Methylene chloride	3.045	84	79083	49.509	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	66123	46.845	ug/L	96
18) Methyl tert-butyl Ether	3.357	73	242438	51.111	ug/L	99
19) 1,1-Dichloroethane	3.865	63	136783	49.396	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	80291	48.844	ug/L	95
22) 2-Butanone	4.707	43	57968	66.473	ug/L	99
23) Bromochloromethane	4.971	128	39624	51.351	ug/L	96
25) Chloroform	5.083	83	138727	49.161	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	108611	49.590	ug/L	99
29) Cyclohexane	5.386	56	118968	45.368	ug/L	99
30) 1,1,1-Trichloroethane	5.312	97	119633	48.248	ug/L	99
31) Carbon tetrachloride	5.521	117	99390	47.173	ug/L	98
33) Benzene	5.771	78	308892	49.485	ug/L	100
34) Trichloroethene	6.537	95	77830	48.051	ug/L	93
35) Methylcyclohexane	6.759	83	115471	41.160	ug/L	98
37) 1,2-Dichloropropane	6.784	63	84269	48.955	ug/L	99
38) Bromodichloromethane	7.099	83	110170	50.883	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	97252	34.406	ug/L	97
40) 4-Methyl-2-pentanone	7.787	43	68181	37.195	ug/L	99
42) Toluene	7.967	91	327736	49.358	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	96472	36.846	ug/L	97
45) 1,1,2-Trichloroethane	8.395	97	78398	50.222	ug/L	99
46) Tetrachloroethene	8.549	164	49013	45.679	ug/L	99
48) 2-Hexanone	8.681	43	120293	83.165	ug/L	100
49) Dibromochloromethane	8.807	129	84963	52.695	ug/L	99
50) 1,2-Dibromoethane	8.919	107	82798	49.934	ug/L	99
51) Chlorobenzene	9.443	112	201594	49.009	ug/L	100
52) Ethylbenzene	9.565	91	354054	47.812	ug/L	99
53) m,p-Xylene	9.691	106	136349	48.966	ug/L	100
54) o-xylene	10.096	106	136705	49.519	ug/L	99
55) Styrene	10.112	104	212332	46.372	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	126795	50.074	ug/L	100
59) Bromoform	10.286	173	55325	49.821	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	95873	50.917	ug/L	99
61) Isopropylbenzene	10.482	105	348256	48.353	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	305042	50.022	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	295199	50.011	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	144785	49.089	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	143057	47.809	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	147889	49.610	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	27952	50.358	ug/L	96
69) 1,3,5-Trichlorobenzene	13.215	180	90378	45.201	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	83595	44.177	ug/L	98
71) Naphthalene	14.080	128	329808	45.396	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	87783	46.200	ug/L	99

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

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