

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112822\
 Data File : VU052151.D
 Acq On : 28 Nov 2022 16:39
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050137

Quant Time: Nov 28 21:47:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 28 21:44:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	471916	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	457085	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	235501	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	184986	45.235	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.460%
7) Chloroethane-d5	1.909	69	146736	45.307	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.620%
11) 1,1-Dichloroethene-d2	2.565	63	283478	46.764	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.520%
21) 2-Butanone-d5	4.616	46	239874	97.610	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.610%
24) Chloroform-d	5.060	84	308598	46.057	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.120%
26) 1,2-Dichloroethane-d4	5.700	65	180704	44.841	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.680%
32) Benzene-d6	5.726	84	642613	47.167	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.340%
36) 1,2-Dichloropropane-d6	6.687	67	200763	45.868	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.740%
41) Toluene-d8	7.896	98	587134	48.234	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.460%
43) trans-1,3-Dichloroprop...	8.176	79	85353	45.809	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.620%
47) 2-Hexanone-d5	8.629	63	177679	104.064	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.060%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	312412	45.117	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.240%
66) 1,2-Dichlorobenzene-d4	12.189	152	205792	42.257	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	121890	48.115	ug/L	99
3) Chloromethane	1.527	50	184464	50.809	ug/L	98
5) Vinyl chloride	1.604	62	181858	48.787	ug/L	98
6) Bromomethane	1.848	94	71330	38.124	ug/L	98
8) Chloroethane	1.928	64	119855	49.034	ug/L	100
9) Trichlorofluoromethane	2.137	101	223815	50.225	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	143258	50.069	ug/L	99
12) 1,1-Dichloroethene	2.578	96	134304	49.150	ug/L	99
13) Acetone	2.620	43	187313	83.439	ug/L	100
14) Carbon disulfide	2.793	76	324219	46.922	ug/L	100
15) Methyl Acetate	2.945	43	195117	54.441	ug/L	99
16) Methylene chloride	3.044	84	190215	45.704	ug/L	99
17) trans-1,2-Dichloroethene	3.353	96	142174	48.901	ug/L	97
18) Methyl tert-butyl Ether	3.362	73	469482	49.714	ug/L	99
19) 1,1-Dichloroethane	3.867	63	299329	50.043	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	170937	48.970	ug/L	98
22) 2-Butanone	4.697	43	291697	104.213	ug/L	98
23) Bromochloromethane	4.970	128	94199	50.134	ug/L	99
25) Chloroform	5.086	83	311089	50.404	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	231562	50.011	ug/L	98
29) Cyclohexane	5.388	56	202305	50.471	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	242703	51.778	ug/L	99
31) Carbon tetrachloride	5.523	117	196589	51.802	ug/L	100
33) Benzene	5.771	78	689293	50.904	ug/L	100
34) Trichloroethene	6.539	95	155569	49.239	ug/L	98
35) Methylcyclohexane	6.761	83	217660	50.266	ug/L	99
37) 1,2-Dichloropropane	6.787	63	195079	51.569	ug/L	100
38) Bromodichloromethane	7.102	83	235324	50.384	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	254692	49.789	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	536034	111.409	ug/L	99
42) Toluene	7.967	91	724423	51.772	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	244583	51.118	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	189766	50.887	ug/L	99
46) Tetrachloroethene	8.552	164	117720	49.388	ug/L	98
48) 2-Hexanone	8.681	43	431227	108.305	ug/L	99
49) Dibromochloromethane	8.806	129	193411	51.033	ug/L	99
50) 1,2-Dibromoethane	8.922	107	189206	50.516	ug/L	99
51) Chlorobenzene	9.443	112	456562	49.592	ug/L	100
52) Ethylbenzene	9.568	91	717219	50.341	ug/L	98
53) m,p-Xylene	9.690	106	288282	52.371	ug/L	98
54) o-Xylene	10.099	106	290132	52.092	ug/L	98
55) Styrene	10.111	104	505083	53.528	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	350810	51.696	ug/L	99
59) Bromoform	10.288	173	146395	47.998	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	269470	49.278	ug/L	98
61) Isopropylbenzene	10.481	105	715643	49.801	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	569041	49.565	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	562171	50.247	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	335974	48.231	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	340769	48.010	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	359320	49.231	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	70141	52.062	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	213734	45.959	ug/L	100
70) 1,2,4-trichlorobenzene	13.838	180	172484	46.172	ug/L	100
71) Naphthalene	14.086	128	611708	50.296	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	199114	49.198	ug/L	99

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

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