

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U092122\
 Data File : VU050887.D
 Acq On : 21 Sep 2022 19:58
 Operator : JC/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050090

Quant Time: Sep 22 02:16:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 22 02:11:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	301641	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	279895	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	126200	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	117718	37.667	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.340%
7) Chloroethane-d5	1.900	69	96223	43.232	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.460%
11) 1,1-Dichloroethene-d2	2.565	63	213008	43.803	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.600%
21) 2-Butanone-d5	4.620	46	275752	136.672	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	136.670%#
24) Chloroform-d	5.060	84	222914	45.515	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.020%
26) 1,2-Dichloroethane-d4	5.700	65	137108	45.426	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.860%
32) Benzene-d6	5.726	84	428259	46.453	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.900%
36) 1,2-Dichloropropane-d6	6.690	67	146112	46.953	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.900%
41) Toluene-d8	7.896	98	369891	45.900	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.800%
43) trans-1,3-Dichloroprop...	8.179	79	57606	42.553	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.100%
47) 2-Hexanone-d5	8.632	63	158487	123.586	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	123.590%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	231417	48.777	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.560%
66) 1,2-Dichlorobenzene-d4	12.192	152	118325	44.781	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	167329	53.573	ug/L	100
3) Chloromethane	1.517	50	181505	49.986	ug/L	98
5) Vinyl chloride	1.601	62	188908	53.141	ug/L	99
6) Bromomethane	1.842	94	101566	56.555	ug/L	100
8) Chloroethane	1.922	64	109464	55.616	ug/L	98
9) Trichlorofluoromethane	2.131	101	216701	56.200	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	134441	54.473	ug/L	99
12) 1,1-Dichloroethene	2.575	96	123872	53.417	ug/L	91
13) Acetone	2.626	43	210782	123.380	ug/L	99
14) Carbon disulfide	2.787	76	366756	50.014	ug/L	100
15) Methyl Acetate	2.945	43	208526	64.679	ug/L	99
16) Methylene chloride	3.041	84	147629	45.848	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	120906	50.869	ug/L	99
18) Methyl tert-butyl Ether	3.363	73	369253	50.961	ug/L	99
19) 1,1-Dichloroethane	3.867	63	247490	51.533	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	133608	50.698	ug/L	98
22) 2-Butanone	4.700	43	313758	139.330	ug/L	98
23) Bromochloromethane	4.973	128	70884	51.320	ug/L	97
25) Chloroform	5.086	83	253005	52.860	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	190851	52.470	ug/L	97
29) Cyclohexane	5.388	56	214471	55.680	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	215105	57.767	ug/L	99
31) Carbon tetrachloride	5.523	117	177011	57.222	ug/L	98
33) Benzene	5.774	78	573386	55.666	ug/L	100
34) Trichloroethene	6.539	95	133463	55.780	ug/L	99
35) Methylcyclohexane	6.761	83	208403	54.057	ug/L	99
37) 1,2-Dichloropropane	6.790	63	151373	53.704	ug/L	100
38) Bromodichloromethane	7.105	83	184293	54.878	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	186284	49.388	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	505902	130.236	ug/L	100
42) Toluene	7.967	91	569927	55.735	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	180614	50.337	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	141141	54.337	ug/L	99
46) Tetrachloroethene	8.552	164	92657	53.888	ug/L	99
48) 2-Hexanone	8.684	43	452766	139.489	ug/L	99
49) Dibromochloromethane	8.809	129	136440	53.571	ug/L	99
50) 1,2-Dibromoethane	8.922	107	145404	53.953	ug/L	99
51) Chlorobenzene	9.446	112	316934	50.768	ug/L	99
52) Ethylbenzene	9.568	91	527687	51.728	ug/L	99
53) m,p-Xylene	9.693	106	202243	53.326	ug/L	97
54) o-Xylene	10.099	106	199582	52.816	ug/L	98
55) Styrene	10.111	104	343066	52.952	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	252856	52.608	ug/L	99
59) Bromoform	10.288	173	102536	56.292	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	211110	59.472	ug/L	99
61) Isopropylbenzene	10.484	105	514950	57.098	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	395037	53.283	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	390167	53.141	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	209243	50.735	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	206188	49.244	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	225540	51.647	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	68042	69.694	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	134075	46.464	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	106760	45.210	ug/L	100
71) Naphthalene	14.086	128	459513	50.632	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	132708	50.213	ug/L	99

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

