

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091322\
 Data File : VU050710.D
 Acq On : 13 Sep 2022 20:16
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050199

Quant Time: Sep 14 02:04:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM090222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 14 02:03:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	352450	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	357723	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	171005	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	145941	48.412	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.820%
7) Chloroethane-d5	1.893	69	103232	50.640	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.280%
11) 1,1-Dichloroethene-d2	2.562	63	242321	45.488	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.980%
21) 2-Butanone-d5	4.620	46	267925	121.479	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.480%
24) Chloroform-d	5.060	84	303085	53.048	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.100%
26) 1,2-Dichloroethane-d4	5.700	65	192176	55.044	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.080%
32) Benzene-d6	5.726	84	600070	50.760	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.520%
36) 1,2-Dichloropropane-d6	6.690	67	208393	53.692	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.380%
41) Toluene-d8	7.896	98	517462	51.187	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.380%
43) trans-1,3-Dichloroprop...	8.179	79	87394	54.420	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.840%
47) 2-Hexanone-d5	8.632	63	136458	139.773	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	139.770%#
56) 1,1,2,2-Tetrachloroeth...	10.755	84	326374	55.568	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.140%
66) 1,2-Dichlorobenzene-d4	12.195	152	179826	44.922	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	104657	30.915	ug/L	97
3) Chloromethane	1.520	50	199222	54.464	ug/L	99
5) Vinyl chloride	1.601	62	161216	46.780	ug/L	99
6) Bromomethane	1.832	94	85484	49.184	ug/L	98
8) Chloroethane	1.919	64	96444	52.689	ug/L	98
9) Trichlorofluoromethane	2.128	101	155663	37.073	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	98185	35.647	ug/L	99
12) 1,1-Dichloroethene	2.572	96	114579	42.813	ug/L	90
13) Acetone	2.623	43	183178	110.101	ug/L	98
14) Carbon disulfide	2.787	76	357326	45.025	ug/L	99
15) Methyl Acetate	2.945	43	206338	58.642	ug/L	98
16) Methylene chloride	3.041	84	196658	55.991	ug/L	98
17) trans-1,2-Dichloroethene	3.346	96	132786	46.789	ug/L	97
18) Methyl tert-butyl Ether	3.363	73	485122	55.133	ug/L	98
19) 1,1-Dichloroethane	3.864	63	293468	53.599	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	164211	51.283	ug/L	97
22) 2-Butanone	4.700	43	305711	117.483	ug/L	99
23) Bromochloromethane	4.970	128	90405	54.638	ug/L	91
25) Chloroform	5.086	83	297715	53.370	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	235373	56.929	ug/L	98
29) Cyclohexane	5.385	56	168552	35.183	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	213046	44.217	ug/L	99
31) Carbon tetrachloride	5.523	117	161505	40.913	ug/L	99
33) Benzene	5.771	78	659815	50.683	ug/L	100
34) Trichloroethene	6.539	95	140870	46.439	ug/L	97
35) Methylcyclohexane	6.761	83	165039	34.222	ug/L	98
37) 1,2-Dichloropropane	6.790	63	190618	55.432	ug/L	99
38) Bromodichloromethane	7.105	83	223718	55.306	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	250463	53.809	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	571433	121.942	ug/L	97
42) Toluene	7.967	91	659690	49.886	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	241073	55.201	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	180680	54.696	ug/L	97
46) Tetrachloroethene	8.552	164	93970	42.413	ug/L	97
48) 2-Hexanone	8.684	43	482382	110.301	ug/L	98
49) Dibromochloromethane	8.809	129	174274	55.312	ug/L	98
50) 1,2-Dibromoethane	8.922	107	182834	54.423	ug/L	99
51) Chlorobenzene	9.446	112	401958	48.976	ug/L	100
52) Ethylbenzene	9.571	91	629000	48.148	ug/L	98
53) m,p-Xylene	9.693	106	242633	48.478	ug/L	96
54) o-Xylene	10.102	106	250488	50.269	ug/L	97
55) Styrene	10.115	104	443494	54.093	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	334834	56.905	ug/L	99
59) Bromoform	10.291	173	128868	50.509	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	261210	52.060	ug/L	98
61) Isopropylbenzene	10.484	105	577231	42.644	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	496273	42.886	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	494411	44.492	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	283051	47.525	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	280020	47.565	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	303093	47.782	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	66649	50.301	ug/L	92
69) 1,3,5-Trichlorobenzene	13.217	180	194209	44.932	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	162211	44.197	ug/L	99
71) Naphthalene	14.086	128	626129	48.118	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	189154	47.593	ug/L	100

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

