

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051022\
 Data File : VU048479.D
 Acq On : 10 May 2022 10:02
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050120

Quant Time: May 11 05:14:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM050622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 09 13:04:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	310549	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	300350	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	173095	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	95352	35.652	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.300%
7) Chloroethane-d5	1.912	69	71106	40.737	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.480%
11) 1,1-Dichloroethene-d2	2.572	63	207749	43.646	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.300%
21) 2-Butanone-d5	4.629	46	214608	94.221	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.220%
24) Chloroform-d	5.067	84	223214	48.050	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.100%
26) 1,2-Dichloroethane-d4	5.703	65	149344	49.456	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.920%
32) Benzene-d6	5.729	84	409383	44.854	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.700%
36) 1,2-Dichloropropane-d6	6.690	67	126973	42.661	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.320%
41) Toluene-d8	7.899	98	370753	45.930	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.860%
43) trans-1,3-Dichloroprop...	8.179	79	70272	51.298	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.600%
47) 2-Hexanone-d5	8.632	63	160451	111.382	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.380%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	201768	44.505	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.020%
66) 1,2-Dichlorobenzene-d4	12.192	152	150776	43.989	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.980%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	140846	50.137	ug/L	99
3) Chloromethane	1.523	50	117910	36.695	ug/L	98
5) Vinyl chloride	1.604	62	122769	40.218	ug/L	99
6) Bromomethane	1.861	94	77349	51.238	ug/L	96
8) Chloroethane	1.935	64	69935	42.613	ug/L	99
9) Trichlorofluoromethane	2.141	101	202516	50.494	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	111839	48.593	ug/L	98
12) 1,1-Dichloroethene	2.581	96	101263	46.535	ug/L	98
13) Acetone	2.639	43	173406	100.982	ug/L	99
14) Carbon disulfide	2.797	76	298984	44.328	ug/L	99
15) Methyl Acetate	2.951	43	146624	41.680	ug/L	92
16) Methylene chloride	3.047	84	120676	45.349	ug/L	90
17) trans-1,2-Dichloroethene	3.356	96	109936	47.354	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	394760	50.492	ug/L	97
19) 1,1-Dichloroethane	3.874	63	215767	45.073	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	124572	47.550	ug/L	94
22) 2-Butanone	4.710	43	234191	91.233	ug/L	96
23) Bromochloromethane	4.977	128	65807	47.664	ug/L	92
25) Chloroform	5.089	83	231995	49.078	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	200576	51.608	ug/L	97
29) Cyclohexane	5.391	56	182854	44.118	ug/L	92
30) 1,1,1-Trichloroethane	5.317	97	215855	51.750	ug/L	99
31) Carbon tetrachloride	5.526	117	193413	54.153	ug/L	100
33) Benzene	5.774	78	482878	46.694	ug/L	100
34) Trichloroethene	6.542	95	125684	49.442	ug/L	98
35) Methylcyclohexane	6.764	83	197593	48.719	ug/L	98
37) 1,2-Dichloropropane	6.793	63	128185	44.411	ug/L	100
38) Bromodichloromethane	7.105	83	180733	51.426	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	205614	50.084	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	412999	89.304	ug/L	96
42) Toluene	7.970	91	513866	48.145	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	206300	51.710	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	122262	46.840	ug/L	98
46) Tetrachloroethene	8.552	164	96034	50.289	ug/L	96
48) 2-Hexanone	8.684	43	336716	87.610	ug/L	96
49) Dibromochloromethane	8.809	129	150287	53.614	ug/L	95
50) 1,2-Dibromoethane	8.925	107	139514	50.564	ug/L	99
51) Chlorobenzene	9.446	112	334205	49.696	ug/L	99
52) Ethylbenzene	9.571	91	560133	50.379	ug/L	98
53) m,p-Xylene	9.693	106	226657	52.814	ug/L	99
54) o-Xylene	10.102	106	219658	50.874	ug/L	97
55) Styrene	10.115	104	384514	54.774	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	218080	44.578	ug/L	98
59) Bromoform	10.291	173	116456	47.438	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	189251	41.885	ug/L	98
61) Isopropylbenzene	10.484	105	574229	47.343	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	325834	48.732	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	506955	50.911	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	272377	47.614	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	275385	48.015	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	273085	46.649	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	67090	50.660	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	211068	52.184	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	192887	54.914	ug/L	99
71) Naphthalene	14.086	128	687292	50.810	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	196573	52.618	ug/L	99

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

