

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111822\
 Data File : VU051897.D
 Acq On : 18 Nov 2022 09:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050125

Quant Time: Nov 18 14:01:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 18 00:53:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	494790	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	498666	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	264996	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	99574	40.993	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	81.980%		
7) Chloroethane-d5	1.896	69	106977	43.956	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	87.920%		
11) 1,1-Dichloroethene-d2	2.565	63	199875	45.886	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.780%		
21) 2-Butanone-d5	4.617	46	266706	96.558	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.560%		
24) Chloroform-d	5.060	84	284056	46.649	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.300%		
26) 1,2-Dichloroethane-d4	5.700	65	169990	45.605	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.200%		
32) Benzene-d6	5.726	84	490567	47.182	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.360%		
36) 1,2-Dichloropropane-d6	6.687	67	182142	47.062	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.120%		
41) Toluene-d8	7.896	98	418714	49.063	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.120%		
43) trans-1,3-Dichloroprop...	8.176	79	72072	46.753	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.500%		
47) 2-Hexanone-d5	8.629	63	203039	103.226	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	103.230%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	367123	48.739	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.480%		
66) 1,2-Dichlorobenzene-d4	12.192	152	214999	46.103	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.200%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	152671	50.258	ug/L	100
3) Chloromethane	1.523	50	198246	49.142	ug/L	99
5) Vinyl chloride	1.604	62	204095	48.775	ug/L	99
6) Bromomethane	1.832	94	99173	54.705	ug/L	98
8) Chloroethane	1.919	64	137375	50.496	ug/L	100
9) Trichlorofluoromethane	2.131	101	256952	51.290	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	165583	52.446	ug/L	99
12) 1,1-Dichloroethene	2.575	96	151178	51.270	ug/L	98
13) Acetone	2.620	43	306908	103.855	ug/L	100
14) Carbon disulfide	2.790	76	408942	50.059	ug/L	99
15) Methyl Acetate	2.945	43	211110	52.400	ug/L	100
16) Methylene chloride	3.044	84	213398	45.334	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	163982	51.604	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	530445	53.934	ug/L	100
19) 1,1-Dichloroethane	3.867	63	338849	52.393	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	197875	53.357	ug/L	97
22) 2-Butanone	4.697	43	362691	108.672	ug/L	100
23) Bromochloromethane	4.973	128	108213	52.877	ug/L	98
25) Chloroform	5.086	83	355469	52.676	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	267599	53.662	ug/L	99
29) Cyclohexane	5.388	56	236474	55.581	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	265966	52.754	ug/L	99
31) Carbon tetrachloride	5.523	117	223715	53.078	ug/L	98
33) Benzene	5.771	78	781297	54.468	ug/L	100
34) Trichloroethene	6.539	95	178869	52.635	ug/L	98
35) Methylcyclohexane	6.761	83	261460	56.742	ug/L	100
37) 1,2-Dichloropropane	6.787	63	216561	53.317	ug/L	100
38) Bromodichloromethane	7.102	83	273683	53.857	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	291641	54.890	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	600198	112.213	ug/L	100
42) Toluene	7.967	91	842167	57.081	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	284644	55.909	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	219380	53.150	ug/L	99
46) Tetrachloroethene	8.552	164	139195	51.289	ug/L	98
48) 2-Hexanone	8.684	43	525489	114.391	ug/L	99
49) Dibromochloromethane	8.806	129	232296	54.583	ug/L	96
50) 1,2-Dibromoethane	8.922	107	223357	53.754	ug/L	99
51) Chlorobenzene	9.446	112	540598	53.623	ug/L	99
52) Ethylbenzene	9.568	91	857947	56.821	ug/L	98
53) m,p-Xylene	9.690	106	342923	58.674	ug/L	100
54) o-Xylene	10.099	106	346595	58.265	ug/L	100
55) Styrene	10.111	104	625303	60.922	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	418640	53.674	ug/L	99
59) Bromoform	10.288	173	183818	51.161	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	319170	50.351	ug/L	99
61) Isopropylbenzene	10.481	105	858267	55.415	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	715731	56.713	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	722400	58.588	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	424636	54.096	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	426777	53.687	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	436739	52.322	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	80209	49.421	ug/L	95
69) 1,3,5-Trichlorobenzene	13.217	180	284132	54.559	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	220269	53.361	ug/L	99
71) Naphthalene	14.082	128	756219	55.703	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	250948	55.544	ug/L	98

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

