

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW122322\
 Data File : VW029776.D
 Acq On : 23 Dec 2022 09:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050397

Quant Time: Dec 24 01:42:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 21 00:15:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	474138	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	463538	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	266858	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	167959	57.849	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	= 115.700%		
7) Chloroethane-d5	1.561	69	143881	64.989	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	= 129.980%		
11) 1,1-Dichloroethene-d2	2.105	63	286387	63.240	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 126.480%#		
21) 2-Butanone-d5	3.867	46	205846	116.221	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	= 116.220%		
24) Chloroform-d	4.336	84	296195	54.212	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 108.420%		
26) 1,2-Dichloroethane-d4	5.021	65	169868	54.436	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 108.880%		
32) Benzene-d6	5.040	84	633193	51.697	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 103.400%		
36) 1,2-Dichloropropane-d6	6.059	67	190889	51.023	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	= 102.040%		
41) Toluene-d8	7.307	98	578786	50.152	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 100.300%		
43) trans-1,3-Dichloroprop...	7.609	79	81586	43.185	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 86.380%		
47) 2-Hexanone-d5	8.079	63	170288	106.589	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	= 106.590%		
56) 1,1,2,2-Tetrachloroeth...	10.204	84	264553	49.484	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	= 98.960%		
66) 1,2-Dichlorobenzene-d4	11.612	152	225555	44.401	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 88.800%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	170365	45.617	ug/L	100
3) Chloromethane	1.240	50	187218	43.967	ug/L	99
5) Vinyl chloride	1.307	62	191195	53.667	ug/L	98
6) Bromomethane	1.516	94	80644	56.257	ug/L	98
8) Chloroethane	1.581	64	117885	59.425	ug/L	100
9) Trichlorofluoromethane	1.748	101	247651	55.529	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	147269	59.426	ug/L	98
12) 1,1-Dichloroethene	2.114	96	146114	57.653	ug/L	94
13) Acetone	2.156	43	135487	117.425	ug/L	99
14) Carbon disulfide	2.288	76	419821	49.773	ug/L	100
15) Methyl Acetate	2.423	43	161128	61.294	ug/L	96
16) Methylene chloride	2.500	84	176667	56.064	ug/L	97
17) trans-1,2-Dichloroethene	2.754	96	157880	54.065	ug/L	97
18) Methyl tert-butyl Ether	2.761	73	486402	54.365	ug/L	99
19) 1,1-Dichloroethane	3.179	63	280502	56.070	ug/L	98
20) cis-1,2-Dichloroethene	3.899	96	174798	54.436	ug/L	98
22) 2-Butanone	3.950	43	222130	120.990	ug/L	99
23) Bromochloromethane	4.236	128	89443	54.093	ug/L	94
25) Chloroform	4.362	83	299337	57.716	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.117	62	205400	56.064	ug/L	100
29) Cyclohexane	4.667	56	247985	49.386	ug/L	96
30) 1,1,1-Trichloroethane	4.597	97	255392	50.570	ug/L	98
31) Carbon tetrachloride	4.818	117	217736	49.372	ug/L	100
33) Benzene	5.088	78	683039	52.277	ug/L	100
34) Trichloroethene	5.905	95	167297	51.097	ug/L	98
35) Methylcyclohexane	6.121	83	277496	49.902	ug/L	98
37) 1,2-Dichloropropane	6.162	63	168995	53.589	ug/L	99
38) Bromodichloromethane	6.500	83	222473	51.103	ug/L	100
39) cis-1,3-Dichloropropene	7.018	75	230348	44.414	ug/L	100
40) 4-Methyl-2-pentanone	7.217	43	438008	116.492	ug/L	97
42) Toluene	7.378	91	724635	51.527	ug/L	99
44) trans-1,3-Dichloropropene	7.641	75	224780	45.765	ug/L	99
45) 1,1,2-Trichloroethane	7.828	97	170371	52.293	ug/L	97
46) Tetrachloroethene	7.966	164	132618	50.380	ug/L	99
48) 2-Hexanone	8.130	43	342591	119.260	ug/L	97
49) Dibromochloromethane	8.236	129	184477	51.286	ug/L	97
50) 1,2-Dibromoethane	8.339	107	175611	52.320	ug/L	100
51) Chlorobenzene	8.870	112	459562	51.606	ug/L	98
52) Ethylbenzene	9.002	91	763796	51.659	ug/L	100
53) m,p-Xylene	9.127	106	299263	51.140	ug/L	99
54) o-Xylene	9.532	106	292392	50.513	ug/L	98
55) Styrene	9.551	104	541281	53.809	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.230	83	276674	53.088	ug/L	99
59) Bromoform	9.719	173	141480	47.994	ug/L	99
60) Isopropylbenzene	9.921	105	757463	48.346	ug/L	100
61) 1,2,3-Trichloropropane	10.262	75	208570	50.634	ug/L	100
62) 1,3,5-Trimethylbenzene	10.529	105	645468	46.594	ug/L	99
63) 1,2,4-Trimethylbenzene	10.902	105	650674	47.384	ug/L	100
64) 1,3-Dichlorobenzene	11.169	146	373633	48.773	ug/L	100
65) 1,4-Dichlorobenzene	11.259	146	381195	48.962	ug/L	98
67) 1,2-Dichlorobenzene	11.632	146	378196	48.278	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.413	75	60903	47.571	ug/L	98
69) 1,3,5-Trichlorobenzene	12.632	180	284990	46.747	ug/L	99
70) 1,2,4-trichlorobenzene	13.246	180	255265	47.086	ug/L	100
71) Naphthalene	13.490	128	688605	55.999	ug/L	99
72) 1,2,3-Trichlorobenzene	13.728	180	257966	48.582	ug/L	100

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

