

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042423\
 Data File : VW030807.D
 Acq On : 24 Apr 2023 20:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050337

Quant Time: Apr 25 05:30:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 22 00:43:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	253622	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	248237	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	149919	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	66044	35.522	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	71.040%		
7) Chloroethane-d5	1.539	69	62257	39.958	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	79.920%		
11) 1,1-Dichloroethene-d2	2.066	65	35299	40.035	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.060%		
21) 2-Butanone-d5	3.802	46	102670	100.538	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	100.540%		
24) Chloroform-d	4.262	84	150965	44.805	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.600%		
26) 1,2-Dichloroethane-d4	4.950	65	102802	47.456	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.920%		
32) Benzene-d6	4.970	84	263686	44.928	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.860%		
36) 1,2-Dichloropropane-d6	5.995	67	80295	44.044	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	88.080%		
41) Toluene-d8	7.249	98	256542	46.556	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.120%		
43) trans-1,3-Dichloroprop...	7.558	79	42523	46.278	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.560%		
47) 2-Hexanone-d5	8.034	63	67926	94.581	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	94.580%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	128280	48.492	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.980%		
66) 1,2-Dichlorobenzene-d4	11.567	152	112900	47.379	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.760%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	90106	41.322	ug/L	99
3) Chloromethane	1.217	50	105068	36.732	ug/L	99
5) Vinyl chloride	1.288	62	95529	41.424	ug/L	100
6) Bromomethane	1.494	94	44172	48.305	ug/L	97
8) Chloroethane	1.555	64	67264	42.525	ug/L	98
9) Trichlorofluoromethane	1.719	101	169897	45.456	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	84060	42.795	ug/L	97
12) 1,1-Dichloroethene	2.076	96	78570	44.242	ug/L	91
13) Acetone	2.130	43	100183	63.398	ug/L	100
14) Carbon disulfide	2.246	76	197989	39.471	ug/L	100
15) Methyl Acetate	2.381	43	95971	45.510	ug/L	98
16) Methylene chloride	2.455	84	85044	41.847	ug/L	95
17) trans-1,2-Dichloroethene	2.703	96	76900	42.894	ug/L	96
18) Methyl tert-butyl Ether	2.712	73	269756	46.976	ug/L	98
19) 1,1-Dichloroethane	3.121	63	159811	43.721	ug/L	99
20) cis-1,2-Dichloroethene	3.828	96	86703	44.458	ug/L	97
22) 2-Butanone	3.883	43	131165	80.321	ug/L	99
23) Bromochloromethane	4.156	128	49639	45.573	ug/L	98
25) Chloroform	4.288	83	171121	45.231	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	151730	47.378	ug/L	97
29) Cyclohexane	4.593	56	125073	41.985	ug/L	98
30) 1,1,1-Trichloroethane	4.523	97	161595	46.328	ug/L	99
31) Carbon tetrachloride	4.748	117	143057	45.872	ug/L	98
33) Benzene	5.021	78	342277	45.406	ug/L	100
34) Trichloroethene	5.841	95	87744	44.750	ug/L	96
35) Methylcyclohexane	6.060	83	134924	43.916	ug/L	98
37) 1,2-Dichloropropane	6.101	63	88357	43.548	ug/L	99
38) Bromodichloromethane	6.439	83	129687	45.502	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	137947	45.300	ug/L	98
40) 4-Methyl-2-pentanone	7.166	43	269593	95.121	ug/L	99
42) Toluene	7.323	91	380861	47.170	ug/L	97
44) trans-1,3-Dichloropropene	7.587	75	136910	45.762	ug/L	99
45) 1,1,2-Trichloroethane	7.777	97	92841	45.633	ug/L	99
46) Tetrachloroethene	7.912	164	78098	45.505	ug/L	99
48) 2-Hexanone	8.082	43	211290	90.351	ug/L	99
49) Dibromochloromethane	8.185	129	102093	45.494	ug/L	96
50) 1,2-Dibromoethane	8.288	107	96545	45.798	ug/L	98
51) Chlorobenzene	8.821	112	248116	46.400	ug/L	99
52) Ethylbenzene	8.953	91	419711	46.955	ug/L	99
53) m,p-Xylene	9.079	106	163096	48.306	ug/L	98
54) o-Xylene	9.487	106	156328	47.329	ug/L	97
55) Styrene	9.503	104	285323	49.177	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	152415	45.629	ug/L	99
59) Bromoform	9.670	173	85926	45.779	ug/L	99
60) Isopropylbenzene	9.876	105	429854	45.975	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	117177	43.639	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	348876	45.320	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	348245	45.308	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	214954	45.920	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	220694	44.710	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	217075	45.967	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	35577	44.721	ug/L	98
69) 1,3,5-Trichlorobenzene	12.590	180	158077	44.704	ug/L	100
70) 1,2,4-trichlorobenzene	13.207	180	128120	42.673	ug/L	99
71) Naphthalene	13.448	128	343393	41.811	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	131533	44.181	ug/L	99

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

