

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW122022\
 Data File : VW029737.D
 Acq On : 20 Dec 2022 09:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050393

Quant Time: Dec 21 00:11:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 20 00:50:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	482756	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	451276	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	256180	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	147903	50.032	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 100.060%	
7) Chloroethane-d5	1.564	69	121384	53.848	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 107.700%	
11) 1,1-Dichloroethene-d2	2.105	63	259455	56.270	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 112.540%	
21) 2-Butanone-d5	3.870	46	169814	94.165	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 94.170%	
24) Chloroform-d	4.336	84	265881	47.795	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 95.580%	
26) 1,2-Dichloroethane-d4	5.021	65	150441	47.350	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 94.700%	
32) Benzene-d6	5.040	84	556260	46.649	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 93.300%	
36) 1,2-Dichloropropane-d6	6.059	67	169312	46.485	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 92.960%	
41) Toluene-d8	7.307	98	515569	45.888	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 91.780%	
43) trans-1,3-Dichloroprop...	7.612	79	72223	39.268	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 78.540%	
47) 2-Hexanone-d5	8.082	63	136659	87.864	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 87.860%	
56) 1,1,2,2-Tetrachloroeth...	10.204	84	237652	45.660	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 91.320%	
66) 1,2-Dichlorobenzene-d4	11.612	152	209353	42.929	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 85.860%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.127	85	175185	46.070	ug/L	100
3) Chloromethane	1.240	50	206369	47.600	ug/L	99
5) Vinyl chloride	1.310	62	196988	54.306	ug/L	99
6) Bromomethane	1.519	94	93151	63.821	ug/L	99
8) Chloroethane	1.581	64	120715	59.765	ug/L	100
9) Trichlorofluoromethane	1.751	101	243468	53.616	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	141092	55.917	ug/L	97
12) 1,1-Dichloroethene	2.114	96	139529	54.072	ug/L	87
13) Acetone	2.163	43	121415	103.350	ug/L	98
14) Carbon disulfide	2.291	76	399809	46.554	ug/L	99
15) Methyl Acetate	2.423	43	145230	54.260	ug/L	95
16) Methylene chloride	2.500	84	172950	53.905	ug/L	94
17) trans-1,2-Dichloroethene	2.754	96	151008	50.789	ug/L	96
18) Methyl tert-butyl Ether	2.761	73	472173	51.833	ug/L	99
19) 1,1-Dichloroethane	3.182	63	273491	53.693	ug/L	99
20) cis-1,2-Dichloroethene	3.899	96	166116	50.808	ug/L	95
22) 2-Butanone	3.953	43	195681	104.681	ug/L	98
23) Bromochloromethane	4.236	128	88596	52.625	ug/L	92
25) Chloroform	4.362	83	278561	52.751	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.117	62	196467	52.668	ug/L	99
29) Cyclohexane	4.667	56	234989	48.069	ug/L	98
30) 1,1,1-Trichloroethane	4.596	97	242092	49.239	ug/L	99
31) Carbon tetrachloride	4.818	117	209714	48.845	ug/L	100
33) Benzene	5.088	78	643579	50.595	ug/L	100
34) Trichloroethene	5.905	95	157830	49.515	ug/L	99
35) Methylcyclohexane	6.124	83	256467	47.374	ug/L	98
37) 1,2-Dichloropropane	6.162	63	165220	53.815	ug/L	100
38) Bromodichloromethane	6.500	83	210317	49.624	ug/L	100
39) cis-1,3-Dichloropropene	7.018	75	209775	41.546	ug/L	99
40) 4-Methyl-2-pentanone	7.220	43	396225	108.243	ug/L	96
42) Toluene	7.378	91	685132	50.042	ug/L	100
44) trans-1,3-Dichloropropene	7.641	75	206637	43.215	ug/L	100
45) 1,1,2-Trichloroethane	7.828	97	162305	51.171	ug/L	99
46) Tetrachloroethene	7.966	164	128372	50.092	ug/L	98
48) 2-Hexanone	8.133	43	302285	108.089	ug/L	95
49) Dibromochloromethane	8.236	129	172840	49.357	ug/L	99
50) 1,2-Dibromoethane	8.342	107	160765	49.198	ug/L	99
51) Chlorobenzene	8.870	112	444573	51.280	ug/L	100
52) Ethylbenzene	9.001	91	727774	50.560	ug/L	100
53) m,p-Xylene	9.127	106	285400	50.096	ug/L	99
54) o-Xylene	9.532	106	280094	49.703	ug/L	98
55) Styrene	9.551	104	510714	52.150	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.230	83	259774	51.200	ug/L	99
59) Bromoform	9.718	173	128756	45.498	ug/L	99
60) Isopropylbenzene	9.921	105	737718	49.048	ug/L	100
61) 1,2,3-Trichloropropane	10.262	75	199319	50.405	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	643264	48.370	ug/L	100
63) 1,2,4-Trimethylbenzene	10.902	105	641963	48.698	ug/L	99
64) 1,3-Dichlorobenzene	11.169	146	366121	49.784	ug/L	100
65) 1,4-Dichlorobenzene	11.259	146	372616	49.855	ug/L	99
67) 1,2-Dichlorobenzene	11.632	146	367788	48.906	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.413	75	52007	42.316	ug/L	99
69) 1,3,5-Trichlorobenzene	12.632	180	272354	46.536	ug/L	100
70) 1,2,4-trichlorobenzene	13.249	180	242759	46.646	ug/L	100
71) Naphthalene	13.490	128	536844	45.477	ug/L	99
72) 1,2,3-Trichlorobenzene	13.728	180	248360	48.722	ug/L	99

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

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