

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052323\
 Data File : VW031203.D
 Acq On : 23 May 2023 20:22
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050352

Quant Time: May 24 01:38:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 24 01:27:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	194470	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	195559	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	118885	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	73656	44.318	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.640%
7) Chloroethane-d5	1.536	69	65063	50.817	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.640%
11) 1,1-Dichloroethene-d2	2.063	65	35318	45.317	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.640%
21) 2-Butanone-d5	3.799	46	81915	92.498	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.500%
24) Chloroform-d	4.259	84	140535	47.798	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	4.950	65	98504	49.579	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.160%
32) Benzene-d6	4.970	84	246108	46.423	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.840%
36) 1,2-Dichloropropane-d6	5.995	67	73768	46.505	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.000%
41) Toluene-d8	7.249	98	255385	51.614	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.220%
43) trans-1,3-Dichloroprop...	7.558	79	40434	50.807	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.620%
47) 2-Hexanone-d5	8.031	63	57533	93.025	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.020%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	115178	48.411	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.820%
66) 1,2-Dichlorobenzene-d4	11.567	152	109505	51.258	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	58267	46.410	ug/L	99
3) Chloromethane	1.217	50	59855	43.547	ug/L	98
5) Vinyl chloride	1.288	62	57378	46.737	ug/L	99
6) Bromomethane	1.491	94	32235	46.852	ug/L	97
8) Chloroethane	1.555	64	40227	50.850	ug/L	94
9) Trichlorofluoromethane	1.719	101	121295	50.232	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	59597	46.802	ug/L	96
12) 1,1-Dichloroethene	2.076	96	51663	47.825	ug/L	95
13) Acetone	2.124	43	73142	63.530	ug/L	95
14) Carbon disulfide	2.249	76	90813	46.132	ug/L	100
15) Methyl Acetate	2.381	43	64516	49.306	ug/L	98
16) Methylene chloride	2.455	84	55591	46.225	ug/L	98
17) trans-1,2-Dichloroethene	2.703	96	47748	47.807	ug/L	95
18) Methyl tert-butyl Ether	2.712	73	200243	51.900	ug/L	98
19) 1,1-Dichloroethane	3.118	63	108508	47.672	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	59021	47.937	ug/L	94
22) 2-Butanone	3.880	43	87796	79.522	ug/L	98
23) Bromochloromethane	4.156	128	33505	49.520	ug/L	96
25) Chloroform	4.285	83	129189	50.808	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	119012	55.166	ug/L	98
29) Cyclohexane	4.593	56	69059	44.877	ug/L	98
30) 1,1,1-Trichloroethane	4.523	97	118897	49.546	ug/L	99
31) Carbon tetrachloride	4.744	117	105872	50.642	ug/L	97
33) Benzene	5.018	78	229056	48.891	ug/L	100
34) Trichloroethene	5.841	95	62069	49.444	ug/L	98
35) Methylcyclohexane	6.060	83	81656	49.020	ug/L	99
37) 1,2-Dichloropropane	6.101	63	65866	51.079	ug/L	99
38) Bromodichloromethane	6.439	83	101472	50.763	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	102816	51.707	ug/L	98
40) 4-Methyl-2-pentanone	7.166	43	203110	102.360	ug/L	99
42) Toluene	7.323	91	274939	54.241	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	106158	52.775	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	72931	51.830	ug/L	99
46) Tetrachloroethene	7.912	164	54957	50.984	ug/L	96
48) 2-Hexanone	8.082	43	167815	101.540	ug/L	95
49) Dibromochloromethane	8.182	129	80907	50.961	ug/L	95
50) 1,2-Dibromoethane	8.288	107	69971	50.015	ug/L	99
51) Chlorobenzene	8.821	112	186584	51.717	ug/L	100
52) Ethylbenzene	8.953	91	307719	53.023	ug/L	99
53) m,p-Xylene	9.079	106	120394	53.480	ug/L	95
54) o-Xylene	9.484	106	119702	53.900	ug/L	98
55) Styrene	9.500	104	218565	55.647	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	118187	51.119	ug/L	100
59) Bromoform	9.670	173	67681	49.097	ug/L	99
60) Isopropylbenzene	9.873	105	331101	52.075	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	91427	49.990	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	263549	50.427	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	269219	52.683	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	171097	52.518	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	174999	51.634	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	174379	52.752	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	27196	48.441	ug/L	89
69) 1,3,5-Trichlorobenzene	12.590	180	126368	50.177	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	110795	51.694	ug/L	99
71) Naphthalene	13.445	128	280731	50.426	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	112413	52.487	ug/L	98

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

