

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032024\
 Data File : VW034749.D
 Acq On : 20 Mar 2024 08:51
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050298

Quant Time: Mar 21 02:12:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 20 01:19:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	345436	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	332911	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	174342	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	139123	46.458	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.920%		
7) Chloroethane-d5	1.532	69	115099	49.336	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.680%		
11) 1,1-Dichloroethene-d2	2.059	65	61776	45.615	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.240%		
21) 2-Butanone-d5	3.789	46	196035	97.891	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.890%		
24) Chloroform-d	4.246	84	280612	52.998	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	106.000%		
26) 1,2-Dichloroethane-d4	4.937	65	184091	53.206	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	106.420%		
32) Benzene-d6	4.956	84	527127	52.464	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.920%		
36) 1,2-Dichloropropane-d6	5.985	67	155591	50.743	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	101.480%		
41) Toluene-d8	7.239	98	468401	51.516	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.040%		
43) trans-1,3-Dichloroprop...	7.548	79	79058	51.344	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	102.680%		
47) 2-Hexanone-d5	8.024	63	121448	79.318	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	79.320%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	206033	51.060	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.120%		
66) 1,2-Dichlorobenzene-d4	11.557	152	177729	49.873	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.740%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	140532	38.785	ug/L	99
3) Chloromethane	1.217	50	142499	40.023	ug/L	99
5) Vinyl chloride	1.285	62	139778	40.444	ug/L	99
6) Bromomethane	1.490	94	90357	43.575	ug/L	98
8) Chloroethane	1.548	64	91761	44.670	ug/L	98
9) Trichlorofluoromethane	1.712	101	217683	42.060	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	121591	43.590	ug/L	98
12) 1,1-Dichloroethene	2.069	96	110412	42.686	ug/L	94
13) Acetone	2.121	43	151402	62.889	ug/L	100
14) Carbon disulfide	2.240	76	278675	38.820	ug/L	100
15) Methyl Acetate	2.375	43	166140	53.943	ug/L	98
16) Methylene chloride	2.445	84	147057	53.598	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	120211	48.016	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	496002	55.168	ug/L	99
19) 1,1-Dichloroethane	3.108	63	261779	53.377	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	145791	53.671	ug/L	98
22) 2-Butanone	3.870	43	207245	87.177	ug/L	95
23) Bromochloromethane	4.146	128	76817	54.689	ug/L	97
25) Chloroform	4.272	83	270840	53.281	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	221681	53.676	ug/L	98
29) Cyclohexane	4.580	56	182201	41.609	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	230160	48.212	ug/L	100
31) Carbon tetrachloride	4.731	117	195751	46.314	ug/L	98
33) Benzene	5.005	78	520783	50.397	ug/L	100
34) Trichloroethene	5.831	95	135509	46.133	ug/L	97
35) Methylcyclohexane	6.046	83	179956	40.299	ug/L	99
37) 1,2-Dichloropropane	6.088	63	139009	51.381	ug/L	98
38) Bromodichloromethane	6.429	83	199376	52.392	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	219233	50.015	ug/L	97
40) 4-Methyl-2-pentanone	7.153	43	409671	102.692	ug/L	98
42) Toluene	7.313	91	541202	49.486	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	212734	50.462	ug/L	97
45) 1,1,2-Trichloroethane	7.763	97	141460	54.192	ug/L	98
46) Tetrachloroethene	7.902	164	99546	45.569	ug/L	99
48) 2-Hexanone	8.072	43	317222	99.791	ug/L	97
49) Dibromochloromethane	8.172	129	150686	54.702	ug/L	96
50) 1,2-Dibromoethane	8.278	107	147479	53.242	ug/L	95
51) Chlorobenzene	8.812	112	357260	50.530	ug/L	99
52) Ethylbenzene	8.943	91	605287	49.394	ug/L	100
53) m,p-Xylene	9.069	106	225498	48.492	ug/L	100
54) o-Xylene	9.474	106	231341	50.805	ug/L	99
55) Styrene	9.493	104	408479	52.982	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	212074	54.091	ug/L	100
59) Bromoform	9.664	173	110804	57.324	ug/L	99
60) Isopropylbenzene	9.863	105	616742	50.018	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	173002	51.984	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	522894	50.272	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	530893	51.607	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	290288	50.918	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	297048	51.309	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	293528	51.382	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	49135	49.564	ug/L	99
69) 1,3,5-Trichlorobenzene	12.580	180	206503	48.284	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	180747	46.967	ug/L	98
71) Naphthalene	13.438	128	411693	39.993	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	172628	45.982	ug/L	100

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

