

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110623\
 Data File : VV032849.D
 Acq On : 06 Nov 2023 12:13
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050318

Quant Time: Nov 07 01:32:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 04 00:57:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	351218	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	394758	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	221866	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	121448	36.356	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.720%
7) Chloroethane-d5	1.532	69	115268	41.257	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.520%
11) 1,1-Dichloroethene-d2	2.059	65	54420	39.441	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.880%
21) 2-Butanone-d5	3.783	46	135543	93.544	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.540%
24) Chloroform-d	4.252	84	251185	47.108	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.220%
26) 1,2-Dichloroethane-d4	4.944	65	157809	47.620	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.240%
32) Benzene-d6	4.960	84	463429	45.659	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.320%
36) 1,2-Dichloropropane-d6	5.989	67	141408	45.858	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.720%
41) Toluene-d8	7.243	98	474319	47.460	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.920%
43) trans-1,3-Dichloroprop...	7.554	79	74548	46.420	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.840%
47) 2-Hexanone-d5	8.027	63	106742	94.820	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.820%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	224355	47.947	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.900%
66) 1,2-Dichlorobenzene-d4	11.561	152	198078	46.329	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	132004	42.714	ug/L	100
3) Chloromethane	1.217	50	131334	43.928	ug/L	99
5) Vinyl chloride	1.285	62	137382	43.094	ug/L	98
6) Bromomethane	1.487	94	98032	44.070	ug/L	96
8) Chloroethane	1.548	64	100613	46.881	ug/L	100
9) Trichlorofluoromethane	1.715	101	230358	45.342	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	137748	44.811	ug/L	98
12) 1,1-Dichloroethene	2.072	96	120297	45.795	ug/L	82
13) Acetone	2.111	43	153601	63.332	ug/L	100
14) Carbon disulfide	2.243	76	282445	45.042	ug/L	99
15) Methyl Acetate	2.371	43	112330	45.679	ug/L	100
16) Methylene chloride	2.449	84	138803	39.836	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	118030	47.076	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	371828	50.217	ug/L	99
19) 1,1-Dichloroethane	3.114	63	221905	46.442	ug/L	98
20) cis-1,2-Dichloroethene	3.815	96	130558	47.150	ug/L	98
22) 2-Butanone	3.866	43	159993	77.787	ug/L	99
23) Bromochloromethane	4.149	128	74968	48.507	ug/L	99
25) Chloroform	4.278	83	261035	47.933	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	195407	49.789	ug/L	97
29) Cyclohexane	4.587	56	154843	43.644	ug/L #	95
30) 1,1,1-Trichloroethane	4.516	97	222650	47.076	ug/L	98
31) Carbon tetrachloride	4.738	117	195687	46.823	ug/L	99
33) Benzene	5.011	78	506827	48.419	ug/L	100
34) Trichloroethene	5.834	95	149750	51.392	ug/L	97
35) Methylcyclohexane	6.053	83	209010	45.841	ug/L	97
37) 1,2-Dichloropropane	6.095	63	140627	50.611	ug/L	99
38) Bromodichloromethane	6.432	83	206724	47.424	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	218975	52.531	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	324689	98.602	ug/L	98
42) Toluene	7.316	91	609123	51.098	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	215292	50.283	ug/L	100
45) 1,1,2-Trichloroethane	7.770	97	153523	48.171	ug/L	99
46) Tetrachloroethene	7.905	164	120311	45.760	ug/L	99
48) 2-Hexanone	8.075	43	258047	87.340	ug/L	98
49) Dibromochloromethane	8.178	129	164581	49.394	ug/L	100
50) 1,2-Dibromoethane	8.284	107	161065	49.605	ug/L	100
51) Chlorobenzene	8.815	112	402442	47.687	ug/L	98
52) Ethylbenzene	8.950	91	663136	50.430	ug/L	99
53) m,p-Xylene	9.075	106	259275	51.807	ug/L	98
54) o-Xylene	9.480	106	245179	50.569	ug/L	98
55) Styrene	9.496	104	453461	53.668	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	224373	47.006	ug/L	98
59) Bromoform	9.667	173	118057	47.459	ug/L	98
60) Isopropylbenzene	9.869	105	678378	50.418	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	171240	46.207	ug/L	100
62) 1,3,5-Trimethylbenzene	10.480	105	547581	51.718	ug/L	98
63) 1,2,4-Trimethylbenzene	10.853	105	526539	51.987	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	345945	49.354	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	353795	47.836	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	349290	48.812	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.365	75	44625	46.269	ug/L	99
69) 1,3,5-Trichlorobenzene	12.586	180	241401	47.705	ug/L	99
70) 1,2,4-trichlorobenzene	13.200	180	210294	48.054	ug/L	100
71) Naphthalene	13.442	128	551629	50.477	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	222707	50.970	ug/L	99

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

