

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111323\
 Data File : VW032926.D
 Acq On : 13 Nov 2023 12:40
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050326

Quant Time: Nov 13 23:11:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 13 23:03:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	435716	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	430585	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	238710	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	177259	48.101	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.200%
7) Chloroethane-d5	1.529	69	148311	48.574	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.140%
11) 1,1-Dichloroethene-d2	2.060	65	76481	47.634	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.260%
21) 2-Butanone-d5	3.780	46	170348	107.841	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.840%
24) Chloroform-d	4.249	84	323955	50.885	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.780%
26) 1,2-Dichloroethane-d4	4.941	65	196222	50.654	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.300%
32) Benzene-d6	4.960	84	618020	52.625	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.260%
36) 1,2-Dichloropropane-d6	5.989	67	182268	53.395	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.780%
41) Toluene-d8	7.243	98	574433	53.054	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.100%
43) trans-1,3-Dichloroprop...	7.551	79	94339	52.058	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.120%
47) 2-Hexanone-d5	8.024	63	142434	113.895	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.890%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	266623	53.319	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.640%
66) 1,2-Dichlorobenzene-d4	11.561	152	236540	50.996	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	176949	46.965	ug/L	100
3) Chloromethane	1.214	50	180212	48.408	ug/L	98
5) Vinyl chloride	1.282	62	177567	47.404	ug/L	99
6) Bromomethane	1.484	94	126446	50.923	ug/L	100
8) Chloroethane	1.548	64	116112	49.085	ug/L	100
9) Trichlorofluoromethane	1.712	101	280526	47.167	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	159085	46.173	ug/L	98
12) 1,1-Dichloroethene	2.069	96	148482	48.179	ug/L	93
13) Acetone	2.108	43	188912	89.584	ug/L	97
14) Carbon disulfide	2.243	76	430161	49.013	ug/L	99
15) Methyl Acetate	2.372	43	135482	54.643	ug/L	99
16) Methylene chloride	2.446	84	161919	49.245	ug/L	100
17) trans-1,2-Dichloroethene	2.693	96	149155	48.887	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	463523	51.768	ug/L	100
19) 1,1-Dichloroethane	3.111	63	264961	48.611	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	168199	51.192	ug/L	99
22) 2-Butanone	3.860	43	190555	97.013	ug/L	100
23) Bromochloromethane	4.150	128	90390	48.979	ug/L	99
25) Chloroform	4.275	83	293449	48.789	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	225210	49.639	ug/L	98
29) Cyclohexane	4.584	56	213883	51.688	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	262669	49.778	ug/L	99
31) Carbon tetrachloride	4.735	117	233723	49.530	ug/L	100
33) Benzene	5.008	78	604897	51.725	ug/L	100
34) Trichloroethene	5.834	95	161789	50.904	ug/L	99
35) Methylcyclohexane	6.050	83	243449	50.826	ug/L	99
37) 1,2-Dichloropropane	6.092	63	154510	52.905	ug/L	99
38) Bromodichloromethane	6.433	83	223839	51.378	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	255371	52.575	ug/L	98
40) 4-Methyl-2-pentanone	7.156	43	357503	114.787	ug/L	100
42) Toluene	7.317	91	660582	51.764	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	252362	53.489	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	166160	51.269	ug/L	99
46) Tetrachloroethene	7.905	164	132713	48.540	ug/L	98
48) 2-Hexanone	8.076	43	282859	104.243	ug/L	99
49) Dibromochloromethane	8.175	129	181475	51.978	ug/L	98
50) 1,2-Dibromoethane	8.281	107	180571	52.345	ug/L	98
51) Chlorobenzene	8.815	112	441060	49.892	ug/L	99
52) Ethylbenzene	8.947	91	730903	51.717	ug/L	98
53) m,p-Xylene	9.072	106	281518	51.806	ug/L	99
54) o-Xylene	9.481	106	276772	52.822	ug/L	97
55) Styrene	9.497	104	490731	53.097	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	259829	52.112	ug/L	98
59) Bromoform	9.664	173	135053	53.181	ug/L	99
60) Isopropylbenzene	9.870	105	744445	52.682	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	188643	53.987	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	579655	54.074	ug/L	100
63) 1,2,4-Trimethylbenzene	10.854	105	614067	54.786	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	374788	50.852	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	382429	48.382	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	372017	50.195	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	53154	54.432	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	276372	49.981	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	261021	52.550	ug/L	98
71) Naphthalene	13.439	128	782331	59.935	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	268235	53.658	ug/L	99

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

