

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111023\
 Data File : VW032918.D
 Acq On : 11 Nov 2023 02:35
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050324

Quant Time: Nov 11 03:44:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 08 01:37:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	368403	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	365727	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	200067	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	155453	44.365	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.720%
7) Chloroethane-d5	1.532	69	137906	47.058	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.120%
11) 1,1-Dichloroethene-d2	2.060	65	67860	46.887	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.780%
21) 2-Butanone-d5	3.786	46	150806	99.223	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.220%
24) Chloroform-d	4.252	84	297770	53.240	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.480%
26) 1,2-Dichloroethane-d4	4.944	65	186907	53.769	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.540%
32) Benzene-d6	4.963	84	570013	60.618	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	121.240%
36) 1,2-Dichloropropane-d6	5.989	67	172031	60.218	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	120.440%#
41) Toluene-d8	7.243	98	512351	55.335	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.660%
43) trans-1,3-Dichloroprop...	7.551	79	84066	56.502	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	113.000%
47) 2-Hexanone-d5	8.024	63	121089	116.103	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.100%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	237904	54.878	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.760%
66) 1,2-Dichlorobenzene-d4	11.561	152	213965	55.497	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	105099	32.422	ug/L	99
3) Chloromethane	1.217	50	114991	36.667	ug/L	99
5) Vinyl chloride	1.285	62	123892	37.049	ug/L	99
6) Bromomethane	1.487	94	86541	37.090	ug/L	97
8) Chloroethane	1.548	64	91667	40.720	ug/L	99
9) Trichlorofluoromethane	1.716	101	212066	39.794	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	122115	37.872	ug/L	99
12) 1,1-Dichloroethene	2.072	96	115622	41.962	ug/L	87
13) Acetone	2.111	43	120182	47.241	ug/L	100
14) Carbon disulfide	2.243	76	230751	35.081	ug/L	100
15) Methyl Acetate	2.372	43	114496	44.388	ug/L	97
16) Methylene chloride	2.449	84	141220	38.639	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	113581	43.188	ug/L	95
18) Methyl tert-butyl Ether	2.706	73	431545	55.564	ug/L	98
19) 1,1-Dichloroethane	3.114	63	236923	47.272	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	146025	50.276	ug/L	96
22) 2-Butanone	3.870	43	144348	66.906	ug/L	99
23) Bromochloromethane	4.150	128	80227	49.489	ug/L	97
25) Chloroform	4.278	83	273119	47.812	ug/L	97

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

27) 1,2-Dichloroethane	5.043	62	200109	48.609	ug/L	99
29) Cyclohexane	4.587	56	137904	41.955	ug/L #	94
30) 1,1,1-Trichloroethane	4.516	97	221379	50.523	ug/L	99
31) Carbon tetrachloride	4.738	117	182427	47.115	ug/L	99
33) Benzene	5.011	78	507549	52.337	ug/L	100
34) Trichloroethene	5.834	95	134913	49.975	ug/L	97
35) Methylcyclohexane	6.053	83	158379	37.494	ug/L	99
37) 1,2-Dichloropropane	6.095	63	139468	54.178	ug/L	100
38) Bromodichloromethane	6.432	83	202181	50.063	ug/L	100
39) cis-1,3-Dichloropropene	6.957	75	218392	56.550	ug/L	96
40) 4-Methyl-2-pentanone	7.159	43	332150	108.874	ug/L	98
42) Toluene	7.317	91	536042	48.537	ug/L	97
44) trans-1,3-Dichloropropene	7.580	75	211852	53.407	ug/L	97
45) 1,1,2-Trichloroethane	7.770	97	153068	51.840	ug/L	99
46) Tetrachloroethene	7.908	164	98331	40.369	ug/L	97
48) 2-Hexanone	8.075	43	244898	89.469	ug/L	99
49) Dibromochloromethane	8.178	129	159991	51.828	ug/L	98
50) 1,2-Dibromoethane	8.284	107	159232	52.934	ug/L	98
51) Chlorobenzene	8.815	112	374134	47.851	ug/L	99
52) Ethylbenzene	8.947	91	582057	47.778	ug/L	100
53) m,p-Xylene	9.075	106	227474	49.061	ug/L	97
54) o-Xylene	9.481	106	225626	50.230	ug/L	98
55) Styrene	9.497	104	411201	52.530	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	229989	52.007	ug/L	100
59) Bromoform	9.667	173	115521	51.500	ug/L	99
60) Isopropylbenzene	9.870	105	587249	48.401	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	170062	50.890	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	479128	50.183	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	473841	51.882	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	308292	48.774	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	324798	48.700	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	324508	50.289	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	43894	50.470	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	220917	48.414	ug/L	100
70) 1,2,4-trichlorobenzene	13.201	180	217418	55.095	ug/L	99
71) Naphthalene	13.439	128	647185	65.674	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	227413	57.718	ug/L	100

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

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