

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071023\
 Data File : VW031668.D
 Acq On : 10 Jul 2023 15:41
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050387

Quant Time: Jul 11 01:09:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 07 02:34:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	169022	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	172511	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	116610	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	62673	55.715	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	111.420%
7) Chloroethane-d5	1.532	69	52343	53.329	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.660%
11) 1,1-Dichloroethene-d2	2.063	65	29630	51.108	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.220%
21) 2-Butanone-d5	3.793	46	101616	111.561	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.560%
24) Chloroform-d	4.259	84	156687	55.618	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.240%
26) 1,2-Dichloroethane-d4	4.947	65	95126	53.968	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.940%
32) Benzene-d6	4.966	84	251133	51.718	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.440%
36) 1,2-Dichloropropane-d6	5.995	67	79859	46.401	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.800%
41) Toluene-d8	7.249	98	235209	52.785	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.580%
43) trans-1,3-Dichloroprop...	7.558	79	40752	48.572	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.140%
47) 2-Hexanone-d5	8.031	63	55783	82.091	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.090%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	113436	43.667	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.340%
66) 1,2-Dichlorobenzene-d4	11.567	152	83640	37.628	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.260%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	78921	44.020	ug/L	99
3) Chloromethane	1.217	50	83414	49.307	ug/L	98
5) Vinyl chloride	1.285	62	74837	44.625	ug/L	99
6) Bromomethane	1.487	94	47716	43.655	ug/L	99
8) Chloroethane	1.548	64	48326	44.617	ug/L	97
9) Trichlorofluoromethane	1.716	101	133476	47.841	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	71413	47.763	ug/L	96
12) 1,1-Dichloroethene	2.073	96	58177	46.518	ug/L	97
13) Acetone	2.114	43	64996	72.314	ug/L	93
14) Carbon disulfide	2.243	76	177375	46.887	ug/L	99
15) Methyl Acetate	2.375	43	88623	58.564	ug/L	97
16) Methylene chloride	2.449	84	78220	49.887	ug/L	97
17) trans-1,2-Dichloroethene	2.700	96	69784	53.455	ug/L	93
18) Methyl tert-butyl Ether	2.709	73	248280	56.998	ug/L	97
19) 1,1-Dichloroethane	3.118	63	163922	58.179	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	77070	54.629	ug/L	98
22) 2-Butanone	3.873	43	124698	111.058	ug/L	95
23) Bromochloromethane	4.153	128	42800	56.123	ug/L	89
25) Chloroform	4.281	83	165754	56.592	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	125414	55.480	ug/L	97
29) Cyclohexane	4.590	56	113151	50.414	ug/L	94
30) 1,1,1-Trichloroethane	4.519	97	146177	52.850	ug/L	99
31) Carbon tetrachloride	4.741	117	124431	50.774	ug/L	98
33) Benzene	5.018	78	298707	52.007	ug/L	100
34) Trichloroethene	5.838	95	73513	47.898	ug/L	96
35) Methylcyclohexane	6.056	83	97813	43.253	ug/L	96
37) 1,2-Dichloropropane	6.098	63	80921	47.980	ug/L	100
38) Bromodichloromethane	6.439	83	112419	49.314	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	118571	47.361	ug/L	99
40) 4-Methyl-2-pentanone	7.166	43	241429	121.911	ug/L	96
42) Toluene	7.320	91	311238	52.264	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	130074	53.351	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	77725	48.785	ug/L	98
46) Tetrachloroethene	7.912	164	53255	44.211	ug/L	97
48) 2-Hexanone	8.082	43	177454	112.196	ug/L	94
49) Dibromochloromethane	8.182	129	86759	48.996	ug/L	100
50) 1,2-Dibromoethane	8.288	107	82439	48.595	ug/L #	98
51) Chlorobenzene	8.818	112	180551	45.778	ug/L	99
52) Ethylbenzene	8.953	91	316215	47.588	ug/L	99
53) m,p-Xylene	9.079	106	116743	47.975	ug/L	97
54) o-Xylene	9.484	106	108211	46.859	ug/L	96
55) Styrene	9.500	104	212737	51.583	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	123979	47.625	ug/L	99
59) Bromoform	9.670	173	67258	46.530	ug/L #	99
60) Isopropylbenzene	9.873	105	311682	41.926	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	103474	44.926	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	253696	41.290	ug/L	100
63) 1,2,4-Trimethylbenzene	10.857	105	235289	41.099	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	162324	43.552	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	166247	41.858	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	154999	41.203	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	31461	46.023	ug/L	90
69) 1,3,5-Trichlorobenzene	12.587	180	113381	39.923	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	101184	40.647	ug/L	100
71) Naphthalene	13.445	128	276348	43.827	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	109929	42.495	ug/L	97

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

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