

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121823\
 Data File : VW033445.D
 Acq On : 18 Dec 2023 09:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050368

Quant Time: Dec 19 01:11:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 16 20:24:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	242949	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	246416	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	137284	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	75912	40.575	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.140%
7) Chloroethane-d5	1.529	69	71164	42.385	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.760%
11) 1,1-Dichloroethene-d2	2.059	65	39068	41.948	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.900%
21) 2-Butanone-d5	3.780	46	105433	111.815	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.810%
24) Chloroform-d	4.249	84	176213	47.614	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.220%
26) 1,2-Dichloroethane-d4	4.940	65	110968	48.810	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.620%
32) Benzene-d6	4.960	84	313899	47.297	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.600%
36) 1,2-Dichloropropane-d6	5.989	67	97210	48.261	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.520%
41) Toluene-d8	7.243	98	291444	47.992	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.980%
43) trans-1,3-Dichloroprop...	7.551	79	50279	50.933	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.860%
47) 2-Hexanone-d5	8.024	63	77070	113.758	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.760%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	147721	51.026	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.060%
66) 1,2-Dichlorobenzene-d4	11.561	152	118727	46.022	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	104957	52.583	ug/L	98
3) Chloromethane	1.214	50	95793	52.130	ug/L	98
5) Vinyl chloride	1.281	62	104794	53.196	ug/L	99
6) Bromomethane	1.484	94	68982	48.919	ug/L	99
8) Chloroethane	1.545	64	70248	52.822	ug/L	100
9) Trichlorofluoromethane	1.712	101	178450	51.659	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	105223	52.212	ug/L	99
12) 1,1-Dichloroethene	2.069	96	90890	53.089	ug/L	87
13) Acetone	2.108	43	148803	135.952	ug/L	98
14) Carbon disulfide	2.240	76	225751	51.600	ug/L	99
15) Methyl Acetate	2.368	43	94850	60.678	ug/L	97
16) Methylene chloride	2.445	84	98051	51.279	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	85789	53.014	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	272177	55.386	ug/L	100
19) 1,1-Dichloroethane	3.111	63	166517	53.690	ug/L	97
20) cis-1,2-Dichloroethene	3.812	96	95414	52.003	ug/L	90
22) 2-Butanone	3.860	43	133872	124.146	ug/L	100
23) Bromochloromethane	4.146	128	52030	51.736	ug/L	98
25) Chloroform	4.275	83	183267	52.507	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	142096	52.815	ug/L	97
29) Cyclohexane	4.584	56	121964	54.916	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	162690	53.474	ug/L	99
31) Carbon tetrachloride	4.735	117	143202	52.595	ug/L	99
33) Benzene	5.008	78	360976	54.961	ug/L	100
34) Trichloroethene	5.831	95	97031	53.850	ug/L	97
35) Methylcyclohexane	6.050	83	141933	54.918	ug/L	98
37) 1,2-Dichloropropane	6.091	63	94555	53.085	ug/L	98
38) Bromodichloromethane	6.432	83	138503	54.026	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	144267	55.675	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	243744	128.232	ug/L	98
42) Toluene	7.313	91	390552	56.103	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	143282	55.103	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	100920	54.360	ug/L	98
46) Tetrachloroethene	7.905	164	73591	52.268	ug/L	99
48) 2-Hexanone	8.072	43	201289	126.965	ug/L	99
49) Dibromochloromethane	8.175	129	106429	54.215	ug/L	98
50) 1,2-Dibromoethane	8.281	107	103554	54.112	ug/L	95
51) Chlorobenzene	8.815	112	265132	52.848	ug/L	99
52) Ethylbenzene	8.947	91	427368	55.125	ug/L	98
53) m,p-Xylene	9.072	106	166412	57.132	ug/L	97
54) o-Xylene	9.480	106	158648	56.093	ug/L	100
55) Styrene	9.496	104	293225	58.745	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	153418	53.807	ug/L	98
59) Bromoform	9.664	173	74422	52.545	ug/L	99
60) Isopropylbenzene	9.869	105	436582	56.002	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	122174	55.524	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	331746	56.148	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	354772	57.814	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	212646	52.482	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	229292	52.580	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	216890	51.429	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	32647	54.772	ug/L	96
69) 1,3,5-Trichlorobenzene	12.583	180	150355	53.658	ug/L	100
70) 1,2,4-trichlorobenzene	13.201	180	134753	55.014	ug/L	99
71) Naphthalene	13.442	128	405159	61.478	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	145163	60.589	ug/L	99

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

