

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021723\
 Data File : VW030062.D
 Acq On : 17 Feb 2023 11:47
 Operator : SY/MD
 Sample : VSTD01009
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010209

Quant Time: Feb 20 00:30:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM021723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 20 00:27:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	147718	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	147527	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	86398	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	13533	12.886	ug/L	0.00
7) Chloroethane-d5	1.536	69	11054	13.755	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.066	63	28306	14.089	ug/L	0.00
21) 2-Butanone-d5	3.815	46	14026	21.665	ug/L	0.02
24) Chloroform-d	4.262	84	24176	12.384	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	14220	12.323	ug/L	0.00
32) Benzene-d6	4.973	84	46480	11.863	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.998	67	14638	11.749	ug/L	0.00
41) Toluene-d8	7.252	98	42967	11.620	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	7021	11.340	ug/L	0.00
47) 2-Hexanone-d5	8.037	63	11070	19.059	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.162	84	22612	12.100	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.571	152	18363	11.934	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	26956	17.240	ug/L	98
3) Chloromethane	1.217	50	34764	17.327	ug/L	100
5) Vinyl chloride	1.285	62	23845	17.066	ug/L	97
6) Bromomethane	1.491	94	4733	18.636	ug/L	96
8) Chloroethane	1.552	64	13731	16.844	ug/L	99
9) Trichlorofluoromethane	1.719	101	31524	17.021	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	20019	17.661	ug/L	100
12) 1,1-Dichloroethene	2.076	96	17975	17.628	ug/L	92
13) Acetone	2.121	43	18315	36.408	ug/L	100
14) Carbon disulfide	2.246	76	49369	16.373	ug/L	98
15) Methyl Acetate	2.381	43	17293	16.533	ug/L	97
16) Methylene chloride	2.452	84	19419	17.395	ug/L	98
17) trans-1,2-Dichloroethene	2.703	96	17466	16.756	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	53169	16.028	ug/L	97
19) 1,1-Dichloroethane	3.117	63	32090	16.703	ug/L	99
20) cis-1,2-Dichloroethene	3.828	96	18976	16.461	ug/L	97
22) 2-Butanone	3.896	43	19860	28.891	ug/L #	68
23) Bromochloromethane	4.162	128	10025	16.311	ug/L	100
25) Chloroform	4.288	83	32721	16.706	ug/L	96
27) 1,2-Dichloroethane	5.053	62	25081	17.145	ug/L	98
29) Cyclohexane	4.593	56	26769	15.572	ug/L	98
30) 1,1,1-Trichloroethane	4.523	97	28947	15.795	ug/L	99
31) Carbon tetrachloride	4.744	117	24602	15.292	ug/L	97
33) Benzene	5.021	78	70860	16.280	ug/L	100
34) Trichloroethene	5.844	95	18144	15.316	ug/L	96
35) Methylcyclohexane	6.059	83	27444	14.593	ug/L	98
37) 1,2-Dichloropropane	6.101	63	19254	16.797	ug/L	100
38) Bromodichloromethane	6.442	83	24394	15.844	ug/L	98
39) cis-1,3-Dichloropropene	6.963	75	28523	14.803	ug/L	98
40) 4-Methyl-2-pentanone	7.169	43	42215	29.624	ug/L	95
42) Toluene	7.323	91	75025	15.752	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	24855	14.183	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.776	97	19743	16.595	ug/L	97
46) Tetrachloroethene	7.915	164	16166	16.232	ug/L	98
48) 2-Hexanone	8.085	43	29703	27.466	ug/L	99
49) Dibromochloromethane	8.185	129	18688	15.144	ug/L	97
50) 1,2-Dibromoethane	8.294	107	21149	16.204	ug/L	98
51) Chlorobenzene	8.821	112	51290	16.159	ug/L	98
52) Ethylbenzene	8.953	91	79688	15.111	ug/L	99
53) m,p-Xylene	9.082	106	29700	14.741	ug/L	95
54) o-Xylene	9.487	106	29023	14.947	ug/L	97
55) Styrene	9.506	104	48736	14.693	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.188	83	31055	15.968	ug/L	98
59) Bromoform	9.673	173	12576	14.699	ug/L	99
60) Isopropylbenzene	9.876	105	77634	15.110	ug/L	99
61) 1,2,3-Trichloropropane	10.220	75	24287	16.990	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	61974	14.564	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	61089	14.607	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	42324	16.347	ug/L	96
65) 1,4-Dichlorobenzene	11.220	146	41730	15.751	ug/L	100
67) 1,2-Dichlorobenzene	11.590	146	41252	16.002	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.378	75	6174	14.804	ug/L	97
69) 1,3,5-Trichlorobenzene	12.593	180	30242	14.637	ug/L	99
70) 1,2,4-trichlorobenzene	13.210	180	27884	14.359	ug/L	100
71) Naphthalene	13.451	128	72730	12.912	ug/L	99
72) 1,2,3-Trichlorobenzene	13.693	180	27448	14.402	ug/L	100

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

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