

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VW033378.D
 Acq On : 15 Dec 2023 15:00
 Operator : SY/MD
 Sample : VSTD20021
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200221

Quant Time: Dec 15 23:01:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 15 22:58:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	249799	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	257105	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	154222	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	384548	241.395	ug/L	0.00
7) Chloroethane-d5	1.523	69	338195	283.889	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	187050	290.152	ug/L	0.00
21) 2-Butanone-d5	3.773	46	432195	543.717	ug/L	0.00
24) Chloroform-d	4.246	84	753528	227.262	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	469931	228.600	ug/L	0.00
32) Benzene-d6	4.957	84	1420283	228.002	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.985	67	424344	246.401	ug/L	0.00
41) Toluene-d8	7.243	98	1386803	233.670	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.548	79	238594	232.332	ug/L	0.00
47) 2-Hexanone-d5	8.021	63	370120	555.346	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.152	84	639601	260.323	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	591495	212.435	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	386428	147.958	ug/L	100
3) Chloromethane	1.214	50	351412	192.978	ug/L	99
5) Vinyl chloride	1.281	62	389011	216.507	ug/L	99
6) Bromomethane	1.468	94	300355	255.334	ug/L	98
8) Chloroethane	1.539	64	266353	260.274	ug/L	98
9) Trichlorofluoromethane	1.709	101	667473	223.944	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	387812	262.257	ug/L	99
12) 1,1-Dichloroethene	2.066	96	348369	257.412	ug/L	98
13) Acetone	2.108	43	440880	541.893	ug/L	100
14) Carbon disulfide	2.240	76	866048	192.975	ug/L	100
15) Methyl Acetate	2.365	43	330375	259.126	ug/L	98
16) Methylene chloride	2.442	84	360030	210.009	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	337417	204.013	ug/L	98
18) Methyl tert-butyl Ether	2.699	73	1111170	221.178	ug/L	100
19) 1,1-Dichloroethane	3.108	63	625953	220.498	ug/L	97
20) cis-1,2-Dichloroethene	3.809	96	396955	224.751	ug/L	98
22) 2-Butanone	3.854	43	483053	509.244	ug/L	93
23) Bromochloromethane	4.140	128	200412	198.121	ug/L	97
25) Chloroform	4.272	83	692727	215.324	ug/L	99
27) 1,2-Dichloroethane	5.037	62	548796	215.510	ug/L	98
29) Cyclohexane	4.580	56	520787	219.672	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	626173	197.248	ug/L	99
31) Carbon tetrachloride	4.735	117	558170	190.199	ug/L	99
33) Benzene	5.008	78	1402699	212.307	ug/L	100
34) Trichloroethene	5.831	95	380489	196.563	ug/L	99
35) Methylcyclohexane	6.050	83	584259	208.910	ug/L	99
37) 1,2-Dichloropropane	6.092	63	366560	232.181	ug/L	99
38) Bromodichloromethane	6.429	83	535900	216.056	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	645432	233.906	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	946302	554.360	ug/L	99
42) Toluene	7.313	91	1568733	211.738	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	632815	230.552	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.767	97	385828	214.478	ug/L	98
46) Tetrachloroethene	7.905	164	293464	179.552	ug/L	99
48) 2-Hexanone	8.072	43	770879	548.601	ug/L	98
49) Dibromochloromethane	8.175	129	431857	207.107	ug/L	97
50) 1,2-Dibromoethane	8.281	107	412032	216.478	ug/L	98
51) Chlorobenzene	8.812	112	1049811	202.690	ug/L	99
52) Ethylbenzene	8.947	91	1848260	219.214	ug/L	100
53) m,p-Xylene	9.072	106	703611	211.783	ug/L	99
54) o-Xylene	9.477	106	689409	211.716	ug/L	97
55) Styrene	9.497	104	1258543	221.358	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	632527	249.368	ug/L	100
59) Bromoform	9.664	173	320974	193.921	ug/L	100
60) Isopropylbenzene	9.866	105	1926060	215.437	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	474081	229.900	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	1568890	220.654	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	1650228	222.217	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	920757	194.567	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	946085	191.579	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	933464	199.228	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	142580	233.359	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	668257	181.410	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	596245	177.927	ug/L	100
71) Naphthalene	13.438	128	1711979	206.355	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	567271	173.686	ug/L	99

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

