

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111323\
 Data File : VW032923.D
 Acq On : 13 Nov 2023 11:08
 Operator : SY/MD
 Sample : VSTD10002
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100202

Quant Time: Nov 13 22:49:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 13 22:47:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	436789	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	437277	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	257162	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	364920	98.781	ug/L	0.00
7) Chloroethane-d5	1.529	69	304063	99.341	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	156880	97.468	ug/L	0.00
21) 2-Butanone-d5	3.777	46	337246	224.792	ug/L	0.00
24) Chloroform-d	4.246	84	648682	101.642	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	391873	100.913	ug/L	0.00
32) Benzene-d6	4.960	84	1247599	104.609	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.986	67	363906	104.974	ug/L	0.00
41) Toluene-d8	7.243	98	1178888	107.215	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.548	79	202263	109.904	ug/L	0.00
47) 2-Hexanone-d5	8.021	63	291929	234.059	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.153	84	532134	104.787	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	506447	101.352	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	356483	94.384	ug/L	99
3) Chloromethane	1.214	50	354443	94.975	ug/L	99
5) Vinyl chloride	1.282	62	358030	95.346	ug/L	99
6) Bromomethane	1.481	94	237762	95.517	ug/L	99
8) Chloroethane	1.545	64	228908	96.531	ug/L	98
9) Trichlorofluoromethane	1.712	101	568437	95.341	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	321974	93.221	ug/L	100
12) 1,1-Dichloroethene	2.069	96	298125	96.496	ug/L	99
13) Acetone	2.108	43	392565	185.700	ug/L	100
14) Carbon disulfide	2.240	76	857617	97.478	ug/L	99
15) Methyl Acetate	2.368	43	256448	103.178	ug/L	99
16) Methylene chloride	2.445	84	314871	95.528	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	301134	98.458	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	924244	102.969	ug/L	99
19) 1,1-Dichloroethane	3.111	63	527665	96.570	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	337276	102.399	ug/L	97
22) 2-Butanone	3.857	43	400072	213.144	ug/L	99
23) Bromochloromethane	4.143	128	180040	97.712	ug/L	99
25) Chloroform	4.275	83	583780	96.822	ug/L	99
27) 1,2-Dichloroethane	5.037	62	453706	99.756	ug/L	99
29) Cyclohexane	4.584	56	440458	104.814	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	525371	98.038	ug/L	100
31) Carbon tetrachloride	4.735	117	472512	98.601	ug/L	99
33) Benzene	5.008	78	1213178	102.151	ug/L	100
34) Trichloroethene	5.831	95	322706	99.980	ug/L	99
35) Methylcyclohexane	6.050	83	502426	103.288	ug/L	99
37) 1,2-Dichloropropane	6.092	63	304625	102.708	ug/L	100
38) Bromodichloromethane	6.432	83	445796	100.758	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	520259	105.471	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	704605	222.772	ug/L	100
42) Toluene	7.313	91	1349354	104.119	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	521530	108.848	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.767	97	328820	99.906	ug/L	99
46) Tetrachloroethene	7.905	164	273187	98.390	ug/L	99
48) 2-Hexanone	8.072	43	596913	228.261	ug/L	99
49) Dibromochloromethane	8.175	129	366630	103.402	ug/L	98
50) 1,2-Dibromoethane	8.281	107	357219	101.968	ug/L	99
51) Chlorobenzene	8.815	112	898666	100.100	ug/L	100
52) Ethylbenzene	8.947	91	1518179	105.780	ug/L	98
53) m,p-Xylene	9.072	106	594296	107.690	ug/L	98
54) o-Xylene	9.477	106	576782	108.394	ug/L	99
55) Styrene	9.497	104	1037001	110.486	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	510450	100.810	ug/L	98
59) Bromoform	9.664	173	282952	103.426	ug/L	98
60) Isopropylbenzene	9.866	105	1579917	103.783	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	368132	97.796	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	1261430	109.232	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	1335555	110.606	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	787241	99.151	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	814115	95.605	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	784998	98.318	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	106080	100.835	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	600899	100.873	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	560679	104.780	ug/L	98
71) Naphthalene	13.439	128	1595920	113.492	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	557281	103.481	ug/L	99

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

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