

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102823\
 Data File : VX038617.D
 Acq On : 27 Oct 2023 22:00
 Operator : JC/MD
 Sample : VSTD00550
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005650

Quant Time: Oct 28 02:23:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML102823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 28 02:22:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	448198	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	435684	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	232708	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	14326	4.462	ug/L	0.00
7) Chloroethane-d5	1.672	69	10802	3.279	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.307	65	6206	4.491	ug/L	0.00
21) 2-Butanone-d5	4.459	46	20572	9.213	ug/L	0.00
24) Chloroform-d	5.062	84	27928	4.747	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.964	65	19713	5.002	ug/L	0.00
32) Benzene-d6	5.977	84	54934	4.479	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.312	67	15341	4.011	ug/L	0.00
41) Toluene-d8	8.647	98	55427	4.673	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.958	79	6609	3.608	ug/L	0.00
47) 2-Hexanone-d5	9.385	63	16529	9.343	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	25055	4.816	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.317	152	21123	4.743	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	16055	4.808	ug/L	95
3) Chloromethane	1.301	50	11876	3.404	ug/L	99
5) Vinyl chloride	1.374	62	13497	3.625	ug/L #	81
6) Bromomethane	1.612	94	9101	2.751	ug/L	98
8) Chloroethane	1.691	64	8422	3.291	ug/L	99
9) Trichlorofluoromethane	1.892	101	22047	3.678	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	13671	4.556	ug/L	98
12) 1,1-Dichloroethene	2.319	96	12243	4.310	ug/L	91
13) Acetone	2.380	43	15328	9.375	ug/L	97
14) Carbon disulfide	2.514	76	33900	4.408	ug/L	98
15) Methyl Acetate	2.703	43	14013	4.279	ug/L	100
16) Methylene chloride	2.788	84	14303	4.663	ug/L	97
17) trans-1,2-Dichloroethene	3.093	96	12868	4.514	ug/L	98
18) Methyl tert-butyl Ether	3.111	73	37436	3.930	ug/L	98
19) 1,1-Dichloroethane	3.611	63	21562	4.004	ug/L	96
20) cis-1,2-Dichloroethene	4.483	96	14801m	4.475	ug/L	
22) 2-Butanone	4.562	43	19835	8.269	ug/L	97
23) Bromochloromethane	4.910	128	8068	4.861	ug/L	88
25) Chloroform	5.093	83	25077	4.369	ug/L	95
27) 1,2-Dichloroethane	6.092	62	18745	4.162	ug/L	100
29) Cyclohexane	5.471	56	18605	3.824	ug/L	97
30) 1,1,1-Trichloroethane	5.385	97	20789	4.093	ug/L	98
31) Carbon tetrachloride	5.684	117	18186	4.186	ug/L	95
33) Benzene	6.044	78	51656	4.144	ug/L	100
34) Trichloroethene	7.135	95	15195	4.377	ug/L	97
35) Methylcyclohexane	7.379	83	20548	3.929	ug/L	97
37) 1,2-Dichloropropane	7.434	63	12569	3.744	ug/L #	92
38) Bromodichloromethane	7.824	83	16437	3.847	ug/L	94
39) cis-1,3-Dichloropropene	8.366	75	17542	3.316	ug/L	98
40) 4-Methyl-2-pentanone	8.574	43	35694	7.596	ug/L	99
42) Toluene	8.720	91	56629	4.206	ug/L	100
44) trans-1,3-Dichloropropene	8.982	75	15830	3.240	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	9.153	97	14322	4.370	ug/L	97
46) Tetrachloroethene	9.275	164	12390	4.814	ug/L	97
48) 2-Hexanone	9.433	43	28080	7.633	ug/L	98
49) Dibromochloromethane	9.525	129	13598	4.096	ug/L	98
50) 1,2-Dibromoethane	9.610	107	15661	4.406	ug/L	97
51) Chlorobenzene	10.080	112	39428	4.478	ug/L	97
52) Ethylbenzene	10.195	91	62696	4.197	ug/L	99
53) m,p-Xylene	10.305	106	24050	4.192	ug/L	99
54) o-Xylene	10.640	106	23265	4.130	ug/L	95
55) Styrene	10.659	104	38166	4.044	ug/L	95
57) 1,1,2,2-Tetrachloroethane	11.213	83	23065	4.463	ug/L	99
59) Bromoform	10.799	173	9665	3.820	ug/L	99
60) Isopropylbenzene	10.964	105	63199	4.085	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	17735	4.210	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	48825	3.786	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	47464	3.701	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	31269	4.472	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	33014	4.664	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	30597	4.431	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.939	75	4681	3.999	ug/L	91
69) 1,3,5-Trichlorobenzene	13.116	180	21890	4.604	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	20795	4.636	ug/L	96
71) Naphthalene	13.774	128	58674	3.979	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	20475	4.682	ug/L	99

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

