

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112023\
 Data File : VW033016.D
 Acq On : 20 Nov 2023 11:04
 Operator : SY/MD
 Sample : VSTD20009
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200209

Quant Time: Nov 20 23:13:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM112023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 20 23:11:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	355751	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	366329	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	241017	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	374830	201.518	ug/L	0.00
7) Chloroethane-d5	1.523	69	279970	195.711	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	147460	193.749	ug/L	0.00
21) 2-Butanone-d5	3.773	46	498024	426.627	ug/L	0.00
24) Chloroform-d	4.246	84	889571	194.061	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	559578	195.694	ug/L	0.00
32) Benzene-d6	4.960	84	1650405	193.463	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.986	67	471208	194.788	ug/L	0.00
41) Toluene-d8	7.243	98	1619220	198.832	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.548	79	293830	208.057	ug/L	0.00
47) 2-Hexanone-d5	8.021	63	462312	467.408	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.153	84	763489	207.339	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	852054	198.248	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	716968	186.544	ug/L	98
3) Chloromethane	1.214	50	535856	186.822	ug/L	98
5) Vinyl chloride	1.282	62	513560	193.016	ug/L	99
6) Bromomethane	1.468	94	355927	202.441	ug/L	98
8) Chloroethane	1.539	64	272372	185.078	ug/L	100
9) Trichlorofluoromethane	1.709	101	805215	186.931	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	394296	185.639	ug/L	99
12) 1,1-Dichloroethene	2.066	96	373402	190.401	ug/L	97
13) Acetone	2.108	43	409086	353.295	ug/L	98
14) Carbon disulfide	2.240	76	1206738	185.012	ug/L	99
15) Methyl Acetate	2.365	43	395505	194.833	ug/L	97
16) Methylene chloride	2.446	84	488286	175.740	ug/L	100
17) trans-1,2-Dichloroethene	2.690	96	480490	191.444	ug/L	97
18) Methyl tert-butyl Ether	2.700	73	1573422	199.849	ug/L	99
19) 1,1-Dichloroethane	3.108	63	828225	184.735	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	549739	195.355	ug/L	99
22) 2-Butanone	3.854	43	603368	408.040	ug/L	95
23) Bromochloromethane	4.143	128	289534	187.061	ug/L	95
25) Chloroform	4.272	83	939869	186.256	ug/L	100
27) 1,2-Dichloroethane	5.037	62	741464	188.354	ug/L	98
29) Cyclohexane	4.580	56	710267	200.958	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	884746	184.911	ug/L	99
31) Carbon tetrachloride	4.735	117	820614	184.042	ug/L	99
33) Benzene	5.008	78	1909552	187.404	ug/L	100
34) Trichloroethene	5.831	95	538519	187.502	ug/L	98
35) Methylcyclohexane	6.050	83	825226	197.685	ug/L	100
37) 1,2-Dichloropropane	6.092	63	468545	187.341	ug/L	99
38) Bromodichloromethane	6.429	83	722615	185.954	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	892559	207.295	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	1129645	412.927	ug/L	98
42) Toluene	7.313	91	2169618	192.166	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	883418	204.181	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.767	97	523386	185.820	ug/L	98
46) Tetrachloroethene	7.905	164	468815	187.311	ug/L	98
48) 2-Hexanone	8.072	43	927684	428.631	ug/L	100
49) Dibromochloromethane	8.175	129	635572	195.784	ug/L	100
50) 1,2-Dibromoethane	8.281	107	572257	193.990	ug/L	98
51) Chlorobenzene	8.812	112	1526254	190.501	ug/L	99
52) Ethylbenzene	8.947	91	2602216	200.773	ug/L	100
53) m,p-Xylene	9.072	106	1020304	200.362	ug/L	97
54) o-Xylene	9.477	106	1007897	205.617	ug/L	98
55) Styrene	9.497	104	1792943	205.045	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.178	83	820266	206.151	ug/L	100
59) Bromoform	9.664	173	538496	191.715	ug/L	100
60) Isopropylbenzene	9.866	105	2816226	192.747	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	636922	183.186	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	2373371	202.461	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	2504157	203.909	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	1483147	189.468	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	1519570	182.623	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	1482451	188.732	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	210723	208.333	ug/L	96
69) 1,3,5-Trichlorobenzene	12.583	180	1211264	199.028	ug/L	100
70) 1,2,4-trichlorobenzene	13.201	180	1114517	199.830	ug/L	99
71) Naphthalene	13.439	128	2913835	211.227	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	1054857	195.075	ug/L	100

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

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