

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101023\
 Data File : VU055712.D
 Acq On : 10 Oct 2023 10:40
 Operator : MD/SY
 Sample : VSTD05037
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050037

Quant Time: Oct 11 05:00:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 11 04:58:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	399103	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	403996	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	226623	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	175862	55.751	ug/L	0.00
7) Chloroethane-d5	1.911	69	144667	47.630	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.567	63	314902	66.025	ug/L	0.00
21) 2-Butanone-d5	4.611	46	272652	129.083	ug/L	0.00
24) Chloroform-d	5.058	84	341997	65.737	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	215287	68.173	ug/L	0.00
32) Benzene-d6	5.724	84	673292	65.375	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	212385	61.812	ug/L	0.00
41) Toluene-d8	7.894	98	613144	63.052	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	101926	58.935	ug/L	0.00
47) 2-Hexanone-d5	8.627	63	170126	110.201	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	317685	52.944	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	226286	57.050	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	156636	51.685	ug/L	100
3) Chloromethane	1.518	50	152227	45.549	ug/L	100
5) Vinyl chloride	1.602	62	164903	39.165	ug/L	100
6) Bromomethane	1.853	94	107597	41.317	ug/L	100
8) Chloroethane	1.930	64	108159	37.448	ug/L	100
9) Trichlorofluoromethane	2.139	101	235066	35.524	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	148308	55.089	ug/L	100
12) 1,1-Dichloroethene	2.579	96	134785	53.748	ug/L	100
13) Acetone	2.618	43	237104	130.295	ug/L	100
14) Carbon disulfide	2.792	76	411439	55.427	ug/L	100
15) Methyl Acetate	2.943	43	189101	64.028	ug/L	100
16) Methylene chloride	3.042	84	163492	53.854	ug/L	100
17) trans-1,2-Dichloroethene	3.351	96	138695	53.370	ug/L	100
18) Methyl tert-butyl Ether	3.357	73	455135	51.326	ug/L	100
19) 1,1-Dichloroethane	3.866	63	288562	57.328	ug/L	100
20) cis-1,2-Dichloroethene	4.663	96	163473	53.123	ug/L	100
22) 2-Butanone	4.692	43	297265	122.413	ug/L	100
23) Bromochloromethane	4.972	128	85232	54.133	ug/L	100
25) Chloroform	5.084	83	300660	57.019	ug/L	100
27) 1,2-Dichloroethane	5.788	62	243235	59.723	ug/L	100
29) Cyclohexane	5.386	56	233194	52.018	ug/L	100
30) 1,1,1-Trichloroethane	5.312	97	260632	56.955	ug/L	100
31) Carbon tetrachloride	5.521	117	225983	57.144	ug/L	100
33) Benzene	5.769	78	651096	55.518	ug/L	100
34) Trichloroethene	6.537	95	171814	57.049	ug/L	100
35) Methylcyclohexane	6.759	83	247357	51.269	ug/L	100
37) 1,2-Dichloropropane	6.785	63	180159	55.672	ug/L	100
38) Bromodichloromethane	7.100	83	229977	55.536	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	273832	52.087	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	508604	104.488	ug/L	100
42) Toluene	7.965	91	695461	53.470	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	262293	52.877	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.396	97	173291	53.090	ug/L	100
46) Tetrachloroethene	8.550	164	123080	54.027	ug/L	100
48) 2-Hexanone	8.679	43	432865	106.263	ug/L	100
49) Dibromochloromethane	8.804	129	176310	52.488	ug/L	100
50) 1,2-Dibromoethane	8.920	107	185204	52.932	ug/L	100
51) Chlorobenzene	9.444	112	432166	51.558	ug/L	100
52) Ethylbenzene	9.566	91	738386	49.811	ug/L	100
53) m,p-Xylene	9.692	106	283859	50.254	ug/L	100
54) o-Xylene	10.097	106	275720	48.398	ug/L	100
55) Styrene	10.110	104	482707	48.715	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	296165	47.276	ug/L	100
59) Bromoform	10.286	173	137330	49.150	ug/L	100
60) 1,2,3-Trichloropropane	10.817	75	243894	54.698	ug/L	100
61) Isopropylbenzene	10.479	105	724932	49.167	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	591909	48.817	ug/L	100
63) 1,2,4-Trimethylbenzene	11.467	105	593991	49.332	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	346921	50.364	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	352746	50.715	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	349393	50.706	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.991	75	75119	60.500	ug/L	100
69) 1,3,5-Trichlorobenzene	13.216	180	228642	49.752	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	192745	49.072	ug/L	100
71) Naphthalene	14.084	128	608209	47.727	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	196101	50.850	ug/L	100

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

