

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101023\
 Data File : VU055715.D
 Acq On : 10 Oct 2023 12:14
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV040

Quant Time: Oct 11 05:30:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 11 05:21:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	434879	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	430988	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	244994	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	185985	47.680	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.360%
7) Chloroethane-d5	1.911	69	147269	46.187	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.380%
11) 1,1-Dichloroethene-d2	2.566	63	328110	47.175	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.360%
21) 2-Butanone-d5	4.611	46	290367	100.461	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.460%
24) Chloroform-d	5.058	84	342787	45.840	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.680%
26) 1,2-Dichloroethane-d4	5.698	65	218404	47.450	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.900%
32) Benzene-d6	5.724	84	682313	49.480	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.960%
36) 1,2-Dichloropropane-d6	6.688	67	211288	48.399	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.800%
41) Toluene-d8	7.894	98	625751	50.255	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.500%
43) trans-1,3-Dichloroprop...	8.177	79	106126	50.607	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.220%
47) 2-Hexanone-d5	8.627	63	188906	110.072	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.070%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	331161	49.283	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.560%
66) 1,2-Dichlorobenzene-d4	12.190	152	245576	50.512	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	164410	45.405	ug/L	99
3) Chloromethane	1.521	50	158397	46.230	ug/L	98
5) Vinyl chloride	1.605	62	175589	46.568	ug/L	97
6) Bromomethane	1.856	94	111593	46.295	ug/L	100
8) Chloroethane	1.933	64	107744	43.563	ug/L	98
9) Trichlorofluoromethane	2.139	101	243501	45.199	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	155773	44.961	ug/L	99
12) 1,1-Dichloroethene	2.579	96	141051	45.751	ug/L	97
13) Acetone	2.618	43	252201	94.027	ug/L	100
14) Carbon disulfide	2.792	76	432062	46.051	ug/L	98
15) Methyl Acetate	2.943	43	196327	47.795	ug/L	97
16) Methylene chloride	3.042	84	165822	44.352	ug/L	99
17) trans-1,2-Dichloroethene	3.351	96	146043	46.325	ug/L	99
18) Methyl tert-butyl Ether	3.357	73	476433	46.992	ug/L	99
19) 1,1-Dichloroethane	3.865	63	290962	45.005	ug/L	99
20) cis-1,2-Dichloroethene	4.663	96	171058	47.542	ug/L	98
22) 2-Butanone	4.692	43	309563	95.753	ug/L	99
23) Bromochloromethane	4.971	128	85445	45.854	ug/L	96
25) Chloroform	5.084	83	300767	44.534	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	240457	44.515	ug/L	100
29) Cyclohexane	5.386	56	247333	50.067	ug/L	99
30) 1,1,1-Trichloroethane	5.312	97	264721	47.542	ug/L	99
31) Carbon tetrachloride	5.521	117	233809	47.972	ug/L	98
33) Benzene	5.772	78	650959	47.781	ug/L	100
34) Trichloroethene	6.541	95	176522	47.354	ug/L	98
35) Methylcyclohexane	6.762	83	272329	50.352	ug/L	99
37) 1,2-Dichloropropane	6.788	63	177152	47.221	ug/L	100
38) Bromodichloromethane	7.103	83	235169	47.535	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	282557	49.507	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	534154	102.347	ug/L	98
42) Toluene	7.968	91	708989	49.319	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	270575	49.548	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	171009	46.229	ug/L	97
46) Tetrachloroethene	8.550	164	126092	47.244	ug/L	99
48) 2-Hexanone	8.679	43	498832	113.156	ug/L	99
49) Dibromochloromethane	8.807	129	180359	47.717	ug/L	99
50) 1,2-Dibromoethane	8.920	107	191914	48.301	ug/L	99
51) Chlorobenzene	9.444	112	447224	48.083	ug/L	99
52) Ethylbenzene	9.566	91	775360	49.334	ug/L	99
53) m,p-Xylene	9.692	106	300741	51.076	ug/L	96
54) o-Xylene	10.097	106	286425	50.269	ug/L	97
55) Styrene	10.113	104	505966	52.419	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	310516	49.023	ug/L	99
59) Bromoform	10.286	173	144123	47.787	ug/L	96
60) 1,2,3-Trichloropropane	10.817	75	254826	47.926	ug/L	99
61) Isopropylbenzene	10.483	105	786616	51.503	ug/L	99
62) 1,3,5-Trimethylbenzene	11.087	105	648845	52.502	ug/L	99
63) 1,2,4-Trimethylbenzene	11.466	105	655101	53.607	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	372952	49.397	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	386468	49.786	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	369024	49.252	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	83553	52.562	ug/L	98
69) 1,3,5-Trichlorobenzene	13.216	180	262845	52.192	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	247832	59.080	ug/L	100
71) Naphthalene	14.084	128	918344	73.697	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	248020	59.968	ug/L	99

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

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