

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060123\
 Data File : VU054378.D
 Acq On : 01 Jun 2023 17:06
 Operator : JC/MD
 Sample : VSTD05025
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050025

Quant Time: Jun 02 01:30:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM060123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 02 01:29:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	420032	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	413525	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	230625	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	139602	42.771	ug/L	0.00
7) Chloroethane-d5	1.906	69	92480	41.583	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.562	65	57248	43.191	ug/L	0.00
21) 2-Butanone-d5	4.623	46	224907	85.990	ug/L	0.00
24) Chloroform-d	5.057	84	249038	44.162	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.694	65	151385	43.387	ug/L	0.00
32) Benzene-d6	5.719	84	487686	44.007	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.684	67	162708	43.807	ug/L	0.00
41) Toluene-d8	7.893	98	445505	44.433	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.173	79	75641	43.326	ug/L	0.00
47) 2-Hexanone-d5	8.629	63	151651	89.056	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	240622	43.311	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	174904	43.211	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	59362	37.228	ug/L	100
3) Chloromethane	1.520	50	73864	37.621	ug/L	100
5) Vinyl chloride	1.601	62	83263	38.696	ug/L	100
6) Bromomethane	1.855	94	39760	36.400	ug/L	100
8) Chloroethane	1.925	64	44738	36.360	ug/L	100
9) Trichlorofluoromethane	2.131	101	120694	38.254	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	79806	38.458	ug/L	100
12) 1,1-Dichloroethene	2.575	96	66607	38.357	ug/L	100
13) Acetone	2.633	43	127768	71.366	ug/L	100
14) Carbon disulfide	2.787	76	120952	37.793	ug/L	100
15) Methyl Acetate	2.948	43	112586	38.141	ug/L	100
16) Methylene chloride	3.041	84	90720	35.094	ug/L	100
17) trans-1,2-Dichloroethene	3.347	96	67855	38.888	ug/L	100
18) Methyl tert-butyl Ether	3.359	73	274799	38.344	ug/L	100
19) 1,1-Dichloroethane	3.861	63	158047	38.855	ug/L	100
20) cis-1,2-Dichloroethene	4.662	96	90522	38.962	ug/L	100
22) 2-Butanone	4.703	43	172249	74.656	ug/L	100
23) Bromochloromethane	4.970	128	47538	39.596	ug/L	100
25) Chloroform	5.083	83	168591	38.882	ug/L	100
27) 1,2-Dichloroethane	5.790	62	122888	38.854	ug/L	100
29) Cyclohexane	5.382	56	100705	37.920	ug/L	100
30) 1,1,1-Trichloroethane	5.308	97	134744	38.724	ug/L	100
31) Carbon tetrachloride	5.520	117	110413	38.416	ug/L	100
33) Benzene	5.768	78	331307	39.669	ug/L	100
34) Trichloroethene	6.536	95	83500	37.614	ug/L	100
35) Methylcyclohexane	6.758	83	106883	39.039	ug/L	100
37) 1,2-Dichloropropane	6.784	63	98877	40.048	ug/L	100
38) Bromodichloromethane	7.099	83	126462	38.826	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	145934	38.261	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	305787	77.668	ug/L	100
42) Toluene	7.964	91	349123	39.638	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	146089	39.320	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.395	97	102534	39.251	ug/L	100
46) Tetrachloroethene	8.549	164	62302	38.105	ug/L	100
48) 2-Hexanone	8.681	43	249908	77.889	ug/L	100
49) Dibromochloromethane	8.806	129	98400	39.197	ug/L	100
50) 1,2-Dibromoethane	8.919	107	103832	38.743	ug/L	100
51) Chlorobenzene	9.443	112	234663	37.988	ug/L	100
52) Ethylbenzene	9.565	91	384925	38.669	ug/L	100
53) m,p-Xylene	9.690	106	145123	38.856	ug/L	100
54) o-Xylene	10.095	106	145098	39.109	ug/L	100
55) Styrene	10.112	104	255902	39.487	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	180825	39.131	ug/L	100
59) Bromoform	10.288	173	79646	38.733	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	136788	38.941	ug/L	100
61) Isopropylbenzene	10.481	105	393168	39.910	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	316138	39.895	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	316994	40.401	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	196666	38.983	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	202089	37.820	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	202435	38.640	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	38595	38.155	ug/L	100
69) 1,3,5-Trichlorobenzene	13.214	180	143423	38.132	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	132232	37.387	ug/L	100
71) Naphthalene	14.082	128	424763	38.239	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	137708	38.253	ug/L	100

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

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