

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020823\
 Data File : VU052995.D
 Acq On : 08 Feb 2023 12:03
 Operator : JC/MD
 Sample : VSTD00573
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005073

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/09/2023
 Supervised By : Mahesh Dadoda 02/09/2023

Quant Time: Feb 09 00:34:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 09 00:33:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	288569	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	272013	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	149235	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	13637	6.196	ug/L	0.00
7) Chloroethane-d5	1.913	69	11160m	6.209	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.569	63	21598	5.238	ug/L	0.00
21) 2-Butanone-d5	4.640	46	9945	8.077	ug/L	0.01
24) Chloroform-d	5.061	84	22348	5.028	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.701	65	13917	4.989	ug/L	0.00
32) Benzene-d6	5.727	84	45432	5.375	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.688	67	14605	5.841	ug/L	0.00
41) Toluene-d8	7.897	98	44251	5.666	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	7451	5.803	ug/L	0.00
47) 2-Hexanone-d5	8.633	63	7813	9.250	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.752	84	18821	5.144	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	15991	5.359	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	11733	4.450	ug/L	94
3) Chloromethane	1.521	50	11562	5.230	ug/L	99
5) Vinyl chloride	1.605	62	13927	5.588	ug/L	99
6) Bromomethane	1.859	94	9152	5.719	ug/L	100
8) Chloroethane	1.936	64	8419	5.395	ug/L	98
9) Trichlorofluoromethane	2.138	101	20742	5.041	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.582	101	10318	4.543	ug/L	93
12) 1,1-Dichloroethene	2.582	96	9950	4.745	ug/L	88
13) Acetone	2.650	43	12321	8.496	ug/L	97
14) Carbon disulfide	2.794	76	29806	4.715	ug/L	97
15) Methyl Acetate	2.952	43	7373	3.775	ug/L	96
16) Methylene chloride	3.045	84	13569	5.471	ug/L	94
17) trans-1,2-Dichloroethene	3.354	96	11072	4.912	ug/L	85
18) Methyl tert-butyl Ether	3.360	73	33173	4.973	ug/L #	91
19) 1,1-Dichloroethane	3.865	63	18692	4.750	ug/L #	88
20) cis-1,2-Dichloroethene	4.666	96	11998	4.937	ug/L #	87
22) 2-Butanone	4.717	43	12288	7.908	ug/L	91
23) Bromochloromethane	4.971	128	6645	4.916	ug/L	94
25) Chloroform	5.084	83	20621	4.661	ug/L	100
27) 1,2-Dichloroethane	5.794	62	14577	4.246	ug/L #	77
29) Cyclohexane	5.386	56	18181	5.701	ug/L	96
30) 1,1,1-Trichloroethane	5.312	97	18370	4.689	ug/L	99
31) Carbon tetrachloride	5.524	117	15936	4.689	ug/L	99
33) Benzene	5.772	78	42694	4.694	ug/L	100
34) Trichloroethene	6.540	95	12048	5.135	ug/L	87
35) Methylcyclohexane	6.762	83	21120	5.656	ug/L	93
37) 1,2-Dichloropropane	6.788	63	11529	5.137	ug/L #	90
38) Bromodichloromethane	7.103	83	16060	4.854	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	18621	5.207	ug/L	92
40) 4-Methyl-2-pentanone	7.791	43	22270m	8.792	ug/L	
42) Toluene	7.968	91	50305	5.326	ug/L	92
44) trans-1,3-Dichloropropene	8.209	75	18391	5.249	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.399	97	11557	5.024	ug/L	95
46) Tetrachloroethene	8.550	164	9169	4.613	ug/L	93
48) 2-Hexanone	8.685	43	17478	8.233	ug/L #	87
49) Dibromochloromethane	8.807	129	13254	4.791	ug/L	100
50) 1,2-Dibromoethane	8.923	107	12373	4.969	ug/L #	92
51) Chlorobenzene	9.443	112	31628	4.885	ug/L	97
52) Ethylbenzene	9.566	91	54249	5.342	ug/L	99
53) m,p-Xylene	9.691	106	21491	5.257	ug/L	99
54) o-xylene	10.096	106	21266	5.444	ug/L	93
55) Styrene	10.112	104	34017	5.086	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	18357	4.968	ug/L	97
59) Bromoform	10.286	173	10111	4.972	ug/L	98
60) 1,2,3-Trichloropropane	10.820	75	13239	4.699	ug/L	97
61) Isopropylbenzene	10.482	105	55151	5.693	ug/L	98
62) 1,3,5-Trimethylbenzene	11.083	105	48116	5.917	ug/L	96
63) 1,2,4-Trimethylbenzene	11.463	105	46546	5.918	ug/L	94
64) 1,3-Dichlorobenzene	11.742	146	23213	4.779	ug/L	95
65) 1,4-Dichlorobenzene	11.832	146	24384	4.874	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	24591	5.046	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.993	75	3941	4.831	ug/L	97
69) 1,3,5-Trichlorobenzene	13.215	180	17474	4.791	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	15140	4.882	ug/L	98
71) Naphthalene	14.083	128	46121	5.203	ug/L	98
72) 1,2,3-Trichlorobenzene	14.324	180	14914	4.628	ug/L	99

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

