

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020823\
 Data File : VU052997.D
 Acq On : 08 Feb 2023 12:48
 Operator : JC/MD
 Sample : VSTD05075
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050075

Quant Time: Feb 09 00:35:47 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

Manual Integrations APPROVED

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

Supervised By : Mahesh
 Dadoda
 02/09/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	316065	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	297051	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	171935	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	147471	61.174	ug/L	0.00
7) Chloroethane-d5	1.913	69	117834	59.851	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.569	63	222984	49.373	ug/L	0.00
21) 2-Butanone-d5	4.627	46	115864	85.917	ug/L	0.00
24) Chloroform-d	5.058	84	246855	50.710	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	143908	47.100	ug/L	0.00
32) Benzene-d6	5.723	84	501514	54.331	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	152891	55.995	ug/L	0.00
41) Toluene-d8	7.894	98	494771	58.007	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.173	79	85470	60.953	ug/L	0.00
47) 2-Hexanone-d5	8.627	63	93762	101.654	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.749	84	213984	53.556	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.186	152	190410	55.389	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.386	85	122280	42.342	ug/L	100
3) Chloromethane	1.518	50	110839	45.776	ug/L	99
5) Vinyl chloride	1.605	62	135716	49.716	ug/L	97
6) Bromomethane	1.859	94	93652	53.432	ug/L	99
8) Chloroethane	1.936	64	82653	48.356	ug/L	98
9) Trichlorofluoromethane	2.138	101	211241	46.868	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	105415	42.374	ug/L	97
12) 1,1-Dichloroethene	2.579	96	100620	43.809	ug/L	89
13) Acetone	2.643	43	95090	59.862	ug/L	92
14) Carbon disulfide	2.794	76	300183	43.357	ug/L	98
15) Methyl Acetate	2.952	43	69579	32.525	ug/L #	87
16) Methylene chloride	3.045	84	116228	42.788	ug/L	94
17) trans-1,2-Dichloroethene	3.351	96	106835	43.272	ug/L	96
18) Methyl tert-butyl Ether	3.357	73	336336	46.032	ug/L	98
19) 1,1-Dichloroethane	3.865	63	185146	42.956	ug/L	97
20) cis-1,2-Dichloroethene	4.662	96	123499	46.401	ug/L #	96
22) 2-Butanone	4.707	43	116581	68.504	ug/L	88
23) Bromochloromethane	4.971	128	64273	43.415	ug/L	97
25) Chloroform	5.084	83	206677	42.649	ug/L	100
27) 1,2-Dichloroethane	5.788	62	147770	39.298	ug/L	98
29) Cyclohexane	5.383	56	167237	48.022	ug/L	95
30) 1,1,1-Trichloroethane	5.312	97	188508	44.061	ug/L	99
31) Carbon tetrachloride	5.521	117	166042	44.742	ug/L	98
33) Benzene	5.768	78	453400	45.649	ug/L	100
34) Trichloroethene	6.537	95	120965	47.213	ug/L	99
35) Methylcyclohexane	6.759	83	206567	50.657	ug/L	93
37) 1,2-Dichloropropane	6.784	63	113107m	46.150	ug/L	
38) Bromodichloromethane	7.100	83	165655	45.848	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	196695	50.363	ug/L	98
40) 4-Methyl-2-pentanone	7.784	43	217173	78.507	ug/L	94
42) Toluene	7.964	91	511994	49.634	ug/L	94
44) trans-1,3-Dichloropropene	8.206	75	190766	49.859	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.395	97	116315	46.302	ug/L	98
46) Tetrachloroethene	8.550	164	96916	44.646	ug/L	97
48) 2-Hexanone	8.678	43	173836	74.984	ug/L	91
49) Dibromochloromethane	8.804	129	141827	46.944	ug/L	98
50) 1,2-Dibromoethane	8.919	107	129682	47.688	ug/L	98
51) Chlorobenzene	9.444	112	327568	46.328	ug/L	98
52) Ethylbenzene	9.566	91	559641	50.468	ug/L	99
53) m,p-Xylene	9.688	106	223324	50.025	ug/L	96
54) o-xylene	10.096	106	217820	51.065	ug/L	95
55) Styrene	10.109	104	371968	50.927	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	181644	45.011	ug/L	100
59) Bromoform	10.286	173	109451	46.717	ug/L	98
60) 1,2,3-Trichloropropane	10.816	75	135402	41.711	ug/L	98
61) Isopropylbenzene	10.479	105	572125	51.264	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	501253	53.502	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	491726	54.262	ug/L	96
64) 1,3-Dichlorobenzene	11.739	146	262148	46.849	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	259163	44.965	ug/L	99
67) 1,2-Dichlorobenzene	12.205	146	257307	45.829	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	41075	43.706	ug/L	95
69) 1,3,5-Trichlorobenzene	13.212	180	204653	48.706	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	179452	50.224	ug/L	98
71) Naphthalene	14.080	128	525772	51.480	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	178757	48.144	ug/L	98

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

