

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052924\
 Data File : VU059046.D
 Acq On : 29 May 2024 12:14
 Operator : MD/SY
 Sample : VSTD00571
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005071

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/31/2024
 Supervised By :Semsettin Yesilyurt 06/03/2024

Quant Time: May 30 00:07:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 30 00:07:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	189785	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	184762	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	76378	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	5485	2.962	ug/L	0.00
7) Chloroethane-d5	1.892	69	4377	2.851	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.564	63	11132	3.813	ug/L	0.00
21) 2-Butanone-d5	4.634	46	9511	7.220	ug/L	0.03
24) Chloroform-d	5.055	84	10421	3.226	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	6423	3.251	ug/L	0.00
32) Benzene-d6	5.721	84	19107	3.254	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.686	67	6811	3.472	ug/L	0.00
41) Toluene-d8	7.894	98	15580	2.984	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	2314	2.646	ug/L	0.00
47) 2-Hexanone-d5	8.631	63	4663m	5.679	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.750	84	10797	3.605	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	5424	3.646	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	9873	6.941	ug/L	95
3) Chloromethane	1.515	50	12764	8.275	ug/L	100
5) Vinyl chloride	1.599	62	11421	6.573	ug/L	96
6) Bromomethane	1.827	94	8340	7.311	ug/L	91
8) Chloroethane	1.914	64	7293	6.334	ug/L	98
9) Trichlorofluoromethane	2.126	101	13500	5.977	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	7657	5.141	ug/L	99
12) 1,1-Dichloroethene	2.570	96	6553	5.336	ug/L	89
13) Acetone	2.615	43	16126	12.787	ug/L	98
14) Carbon disulfide	2.782	76	24768	9.263	ug/L	99
15) Methyl Acetate	2.940	43	10512	5.363	ug/L	93
16) Methylene chloride	3.036	84	10876	5.668	ug/L	99
17) trans-1,2-Dichloroethene	3.345	96	7426	5.959	ug/L	94
18) Methyl tert-butyl Ether	3.351	73	23236	4.930	ug/L #	86
19) 1,1-Dichloroethane	3.859	63	16623	5.442	ug/L	94
20) cis-1,2-Dichloroethene	4.657	96	8322	5.241	ug/L	91
22) 2-Butanone	4.705	43	16403m	10.329	ug/L	
23) Bromochloromethane	4.962	128	4403	5.336	ug/L	84
25) Chloroform	5.075	83	15323	4.822	ug/L	92
27) 1,2-Dichloroethane	5.788	62	13388	5.402	ug/L	98
29) Cyclohexane	5.380	56	11632	6.617	ug/L	95
30) 1,1,1-Trichloroethane	5.303	97	12176	5.380	ug/L	98
31) Carbon tetrachloride	5.515	117	9994	5.449	ug/L	99
33) Benzene	5.766	78	32948	5.650	ug/L	100
34) Trichloroethene	6.531	95	7808	5.148	ug/L	98
35) Methylcyclohexane	6.753	83	10891	5.771	ug/L	98
37) 1,2-Dichloropropane	6.785	63	9513	5.150	ug/L #	95
38) Bromodichloromethane	7.100	83	11639	5.185	ug/L	93
39) cis-1,3-Dichloropropene	7.605	75	12331	4.854	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	22641	8.836	ug/L	95
42) Toluene	7.965	91	31351	5.115	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	10718	4.507	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.396	97	8647	4.847	ug/L	95
46) Tetrachloroethene	8.547	164	5488	5.437	ug/L	80
48) 2-Hexanone	8.679	43	19546	9.224	ug/L	95
49) Dibromochloromethane	8.804	129	7358	4.352	ug/L	83
50) 1,2-Dibromoethane	8.917	107	9033	5.247	ug/L	87
51) Chlorobenzene	9.441	112	20596	5.189	ug/L	94
52) Ethylbenzene	9.566	91	30256	4.594	ug/L	92
53) m,p-Xylene	9.689	106	10965	4.610	ug/L	98
54) o-Xylene	10.094	106	10749	4.545	ug/L	92
55) Styrene	10.113	104	16187m	3.887	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.772	83	14176	4.436	ug/L	99
59) Bromoform	10.283	173	5257	5.187	ug/L	99
60) 1,2,3-Trichloropropane	10.817	75	12460	6.298	ug/L	98
61) Isopropylbenzene	10.480	105	26200	5.214	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	17688	4.558	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	17791	4.453	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	12858	5.031	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	13592	5.269	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	13151	5.015	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.988	75	2661	5.015	ug/L	89
69) 1,3,5-Trichlorobenzene	13.219	180	8286	4.650	ug/L	99
70) 1,2,4-trichlorobenzene	13.840	180	6062	4.003	ug/L	97
71) Naphthalene	14.090	128	19646m	4.459	ug/L	
72) 1,2,3-Trichlorobenzene	14.328	180	6003	3.882	ug/L	97

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

