

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021924\
 Data File : VU057884.D
 Acq On : 19 Feb 2024 16:33
 Operator : MD/SY
 Sample : VSTD05061
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050061

Quant Time: Feb 20 01:18:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 20 01:16:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	284309	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	274330	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	143219	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	107085	47.759	ug/L	0.00
7) Chloroethane-d5	1.885	69	79785	46.490	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	63	195672	47.560	ug/L	0.00
21) 2-Butanone-d5	4.611	46	87329	74.041	ug/L	0.00
24) Chloroform-d	5.052	84	183019	46.316	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	116802	46.658	ug/L	0.00
32) Benzene-d6	5.717	84	362963	45.065	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	117025	45.833	ug/L	0.00
41) Toluene-d8	7.891	98	328056	45.068	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	55740	44.857	ug/L	0.00
47) 2-Hexanone-d5	8.627	63	87714	85.597	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	159094	47.485	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	120957	45.245	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	149019	57.673	ug/L	100
3) Chloromethane	1.515	50	145431	59.285	ug/L	100
5) Vinyl chloride	1.599	62	146570	57.426	ug/L	100
6) Bromomethane	1.824	94	52186	36.894	ug/L	100
8) Chloroethane	1.907	64	85223	56.549	ug/L	100
9) Trichlorofluoromethane	2.123	101	183626	52.640	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	110841	53.880	ug/L	100
12) 1,1-Dichloroethene	2.566	96	98430	52.383	ug/L	100
13) Acetone	2.611	43	139894	88.948	ug/L	100
14) Carbon disulfide	2.779	76	319965	54.658	ug/L	100
15) Methyl Acetate	2.933	43	111926	53.436	ug/L	100
16) Methylene chloride	3.033	84	114486	52.459	ug/L	100
17) trans-1,2-Dichloroethene	3.338	96	101824	53.044	ug/L	100
18) Methyl tert-butyl Ether	3.348	73	352250	52.386	ug/L	100
19) 1,1-Dichloroethane	3.853	63	209458	54.178	ug/L	100
20) cis-1,2-Dichloroethene	4.653	96	116525	52.609	ug/L	100
22) 2-Butanone	4.685	43	166906	97.376	ug/L	100
23) Bromochloromethane	4.962	128	55974	51.831	ug/L	100
25) Chloroform	5.078	83	206872	52.584	ug/L	100
27) 1,2-Dichloroethane	5.782	62	169371	51.942	ug/L	100
29) Cyclohexane	5.377	56	196044	54.393	ug/L	100
30) 1,1,1-Trichloroethane	5.306	97	176890	50.323	ug/L	100
31) Carbon tetrachloride	5.515	117	155647	50.771	ug/L	100
33) Benzene	5.762	78	455680	52.480	ug/L	100
34) Trichloroethene	6.534	95	119255	51.317	ug/L	100
35) Methylcyclohexane	6.756	83	199470	53.377	ug/L	100
37) 1,2-Dichloropropane	6.782	63	127778	53.226	ug/L	100
38) Bromodichloromethane	7.097	83	152041	51.085	ug/L	100
39) cis-1,3-Dichloropropene	7.598	75	200560	51.960	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	320567	107.425	ug/L	100
42) Toluene	7.962	91	477028	52.502	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	184625	52.103	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	111676	51.040	ug/L	100
46) Tetrachloroethene	8.547	164	82461	51.239	ug/L	100
48) 2-Hexanone	8.679	43	266367	103.469	ug/L	100
49) Dibromochloromethane	8.804	129	113009	51.318	ug/L	100
50) 1,2-Dibromoethane	8.917	107	119419	51.131	ug/L	100
51) Chlorobenzene	9.441	112	297226	51.740	ug/L	100
52) Ethylbenzene	9.563	91	538156	52.226	ug/L	100
53) m,p-Xylene	9.688	106	197728	52.451	ug/L	100
54) o-Xylene	10.093	106	195467	52.971	ug/L	100
55) Styrene	10.110	104	339446	54.780	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	194364	54.262	ug/L	100
59) Bromoform	10.286	173	83254	50.390	ug/L	100
60) 1,2,3-Trichloropropane	10.817	75	153557	51.098	ug/L	100
61) Isopropylbenzene	10.479	105	535161	51.441	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	469906	53.407	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	474784	53.789	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	236572	52.229	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	239060	51.370	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	231852	50.903	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.990	75	37343	49.671	ug/L	100
69) 1,3,5-Trichlorobenzene	13.215	180	160339	50.922	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	132670	49.588	ug/L	100
71) Naphthalene	14.080	128	345218	48.274	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	121124	48.350	ug/L	100

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

