

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060724\
 Data File : VU059177.D
 Acq On : 07 Jun 2024 10:48
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050178

Quant Time: Jun 08 01:47:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 07 05:05:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	217664	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	216066	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	117361	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	69848	53.595	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 107.200%	
7) Chloroethane-d5	1.872	69	59473	53.273	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	= 106.540%	
11) 1,1-Dichloroethene-d2	2.550	63	138401	53.801	ug/L	-0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	= 107.600%	
21) 2-Butanone-d5	4.615	46	97677	79.516	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 79.520%	
24) Chloroform-d	5.052	84	128783	49.639	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 99.280%	
26) 1,2-Dichloroethane-d4	5.688	65	79285	49.860	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 99.720%	
32) Benzene-d6	5.714	84	259311	52.290	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 104.580%	
36) 1,2-Dichloropropane-d6	6.682	67	83225	48.673	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 97.340%	
41) Toluene-d8	7.891	98	229995	54.633	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 109.260%	
43) trans-1,3-Dichloroprop...	8.174	79	36853	53.321	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 106.640%	
47) 2-Hexanone-d5	8.630	63	68394	86.499	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 86.500%	
56) 1,1,2,2-Tetrachloroeth...	10.749	84	138511	47.864	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 95.720%	
66) 1,2-Dichlorobenzene-d4	12.187	152	87500	49.959	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 99.920%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.377	85	112104	50.831	ug/L	98
3) Chloromethane	1.515	50	125752	49.336	ug/L	100
5) Vinyl chloride	1.599	62	129347	51.644	ug/L	98
6) Bromomethane	1.824	94	87367	43.602	ug/L	96
8) Chloroethane	1.891	64	81421	52.132	ug/L	97
9) Trichlorofluoromethane	2.110	101	149002	51.124	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	92175	54.358	ug/L	97
12) 1,1-Dichloroethene	2.563	96	85187	55.388	ug/L	92
13) Acetone	2.618	43	121334	84.034	ug/L	99
14) Carbon disulfide	2.775	76	266459	51.442	ug/L	99
15) Methyl Acetate	2.936	43	119369	52.192	ug/L	97
16) Methylene chloride	3.029	84	106494	51.174	ug/L	97
17) trans-1,2-Dichloroethene	3.338	96	89385	53.846	ug/L	97
18) Methyl tert-butyl Ether	3.351	73	290240	53.826	ug/L	98
19) 1,1-Dichloroethane	3.853	63	186817	52.503	ug/L	96
20) cis-1,2-Dichloroethene	4.653	96	102563	54.219	ug/L	99
22) 2-Butanone	4.692	43	168567	96.431	ug/L	99
23) Bromochloromethane	4.962	128	52163	54.440	ug/L	96
25) Chloroform	5.074	83	184456	53.537	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	152145	52.273	ug/L	99
29) Cyclohexane	5.373	56	154760	53.651	ug/L	100
30) 1,1,1-Trichloroethane	5.303	97	145690	51.860	ug/L	99
31) Carbon tetrachloride	5.512	117	119894	52.542	ug/L	100
33) Benzene	5.762	78	414023	53.066	ug/L	100
34) Trichloroethene	6.531	95	103582	54.221	ug/L	99
35) Methylcyclohexane	6.753	83	162360	57.803	ug/L	98
37) 1,2-Dichloropropane	6.778	63	117665	53.111	ug/L	100
38) Bromodichloromethane	7.097	83	136053	52.721	ug/L	99
39) cis-1,3-Dichloropropene	7.598	75	165591	54.021	ug/L	97
40) 4-Methyl-2-pentanone	7.785	43	317387	109.276	ug/L	99
42) Toluene	7.962	91	431016	55.036	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	156810	56.507	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	108131	54.285	ug/L	99
46) Tetrachloroethene	8.547	164	72084	56.648	ug/L	95
48) 2-Hexanone	8.679	43	256542	104.728	ug/L	98
49) Dibromochloromethane	8.801	129	100440	55.795	ug/L	99
50) 1,2-Dibromoethane	8.917	107	112903	54.948	ug/L	94
51) Chlorobenzene	9.441	112	260520	55.117	ug/L	99
52) Ethylbenzene	9.563	91	454664	56.314	ug/L	100
53) m,p-Xylene	9.688	106	173661	58.525	ug/L	99
54) o-Xylene	10.093	106	166012	57.728	ug/L	99
55) Styrene	10.109	104	304255	62.243	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.775	83	206005	56.772	ug/L	97
59) Bromoform	10.286	173	80092	52.049	ug/L	99
60) 1,2,3-Trichloropropane	10.817	75	161960	49.625	ug/L	97
61) Isopropylbenzene	10.476	105	442194	53.556	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	327608	54.763	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	367413	56.656	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	215179	55.761	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	222811	55.907	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	220538	54.679	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	40870	49.396	ug/L	91
69) 1,3,5-Trichlorobenzene	13.212	180	144788	56.811	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	119086	58.504	ug/L	98
71) Naphthalene	14.080	128	376255	58.397	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	120625	58.289	ug/L	99

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

