

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031725\
 Data File : VU063296.D
 Acq On : 17 Mar 2025 16:52
 Operator : MD/SY
 Sample : Q1546-01
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2025-01

Quant Time: Mar 21 09:38:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 21 09:28:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	271457	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	265402	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	110123	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	107643	47.48	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.96%		
7) Chloroethane-d5	1.898	69	92483	49.63	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	99.26%		
11) 1,1-Dichloroethene-d2	2.554	63	147962	37.25	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.50%		
21) 2-Butanone-d5	4.608	46	165094	100.85	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	100.85%		
24) Chloroform-d	5.049	84	202267	47.72	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.44%		
26) 1,2-Dichloroethane-d4	5.689	65	128872	48.76	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.52%		
32) Benzene-d6	5.714	84	415077	49.85	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.70%		
36) 1,2-Dichloropropane-d6	6.679	67	135555	50.04	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.08%		
41) Toluene-d8	7.888	98	358240	48.39	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.78%		
43) trans-1,3-Dichloroprop...	8.171	79	56713	47.28	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.56%		
47) 2-Hexanone-d5	8.621	63	99554	96.89	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	96.89%		
56) 1,1,2,2-Tetrachloroeth...	10.743	84	194014	47.69	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.38%		
66) 1,2-Dichlorobenzene-d4	12.184	152	116487	52.31	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.62%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	5873	2.58	ug/L	94
3) Chloromethane	1.518	50	7026	2.75	ug/L	98
5) Vinyl chloride	1.599	62	6973	2.68	ug/L #	70
6) Bromomethane	1.837	94	3583	2.45	ug/L	92
8) Chloroethane	1.917	64	4206	2.65	ug/L	97
9) Trichlorofluoromethane	2.126	101	7655	2.55	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	6115	3.33	ug/L #	87
12) 1,1-Dichloroethene	2.567	96	5492	3.12	ug/L #	1
13) Acetone	2.621	43	6088	5.48	ug/L	96
14) Carbon disulfide	2.779	76	17655	3.15	ug/L	96
15) Methyl Acetate	2.946	43	6322m	2.60	ug/L	
17) trans-1,2-Dichloroethene	3.345	96	5341	2.87	ug/L	93
18) Methyl tert-butyl Ether	3.351	73	14122	2.38	ug/L	97
19) 1,1-Dichloroethane	3.856	63	9375	2.46	ug/L	99
20) cis-1,2-Dichloroethene	4.653	96	5552	2.60	ug/L	87
22) 2-Butanone	4.711	43	8891m	5.51	ug/L	
23) Bromochloromethane	4.965	128	2788	2.55	ug/L	92
25) Chloroform	5.078	83	10911	2.84	ug/L	87
27) 1,2-Dichloroethane	5.788	62	7861	2.61	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.374	56	6752	2.19	ug/L	92
30) 1,1,1-Trichloroethane	5.303	97	7628	2.46	ug/L	97
31) Carbon tetrachloride	5.512	117	6806	2.64	ug/L	96
33) Benzene	5.766	78	22291	2.66	ug/L	100
34) Trichloroethene	6.538	95	6060	2.84	ug/L	96
35) Methylcyclohexane	6.753	83	7280	2.39	ug/L	99
37) 1,2-Dichloropropane	6.785	63	6130	2.61	ug/L #	95
38) Bromodichloromethane	7.097	83	7055	2.45	ug/L	89
39) cis-1,3-Dichloropropene	7.602	75	8723	2.54	ug/L	97
40) 4-Methyl-2-pentanone	7.785	43	14326	4.70	ug/L	94
42) Toluene	7.962	91	21816	2.52	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	8348m	2.63	ug/L	
45) 1,1,2-Trichloroethane	8.393	97	5516	2.48	ug/L	96
46) Tetrachloroethene	8.544	164	4434	2.95	ug/L	90
48) 2-Hexanone	8.679	43	15136	6.51	ug/L #	97
49) Dibromochloromethane	8.801	129	5415	2.51	ug/L	96
50) 1,2-Dibromoethane	8.914	107	6098	2.62	ug/L #	95
51) Chlorobenzene	9.438	112	14442	2.65	ug/L	98
52) Ethylbenzene	9.563	91	21499	2.37	ug/L	92
53) m,p-Xylene	9.689	106	7177	2.14	ug/L	93
54) o-Xylene	10.094	106	6980	2.14	ug/L	94
55) Styrene	10.113	104	11082	2.06	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.772	83	9482	2.45	ug/L #	93
59) Bromoform	10.287	173	3794	2.61	ug/L #	98
60) 1,2,3-Trichloropropane	10.814	75	7405	2.90	ug/L	95
61) Isopropylbenzene	10.476	105	17352	2.40	ug/L	96
62) 1,3,5-Trimethylbenzene	11.081	105	13376	2.35	ug/L	94
63) 1,2,4-Trimethylbenzene	11.463	105	11807	2.16	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	9994	2.93	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	11012	3.18	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	10242	2.98	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	1672	2.51	ug/L	92
69) 1,3,5-Trichlorobenzene	13.219	180	6149	2.68	ug/L	97
70) 1,2,4-trichlorobenzene	13.843	180	4603	2.60	ug/L	96
71) Naphthalene	14.097	128	13252	2.72	ug/L #	87
72) 1,2,3-Trichlorobenzene	14.325	180	4665	2.69	ug/L	92

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

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