

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111925\
 Data File : VV039411.D
 Acq On : 19 Nov 2025 13:56
 Operator : SY/MD
 Sample : Q3589-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2025-07

Quant Time: Nov 20 04:01:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111925WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 20 03:43:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	306191	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	337138	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	189219	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	209826	4.987	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.800%
7) Chloroethane-d5	1.545	69	179847	4.880	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.600%
11) 1,1-Dichloroethene-d2	2.073	65	94662	4.956	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.200%
20) 2-Butanone-d5	3.786	46	321485	47.007	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.020%
24) Chloroform-d	4.252	84	437195	4.783	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	4.941	65	203998	5.084	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.600%
32) Benzene-d6	4.957	84	817159	5.169	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.400%
36) 1,2-Dichloropropane-d6	5.982	67	258783	5.354	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.000%
41) Toluene-d8	7.236	98	667660	4.603	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.000%
43) trans-1,3-Dichloroprop...	7.551	79	81397	4.719	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.400%
46) 2-Hexanone-d5	8.011	63	242440	46.720	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.440%
56) 1,1,2,2-Tetrachloroeth...	10.143	84	158808	4.900	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.000%
66) 1,2-Dichlorobenzene-d4	11.548	152	227244	5.676	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	9023	0.273	ug/L	99
3) Chloromethane	1.227	50	6746	0.277	ug/L	98
5) Vinyl chloride	1.294	62	7627	0.268	ug/L #	42
6) Bromomethane	1.500	94	4906	0.299	ug/L	92
8) Chloroethane	1.561	64	4934	0.237	ug/L	96
9) Trichlorofluoromethane	1.725	101	13682	0.247	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	12713	0.349	ug/L #	78
12) 1,1-Dichloroethene	2.079	96	9363	0.359	ug/L #	1
14) Carbon disulfide	2.253	76	12297	0.285	ug/L	95
15) Methyl Acetate	2.413	43	3099	0.274	ug/L	98
16) Methylene chloride	2.455	84	13925	0.369	ug/L	98
17) Methyl tert-butyl Ether	2.709	73	14586	0.233	ug/L	97
18) trans-1,2-Dichloroethene	2.709	96	7455	0.270	ug/L	92
19) 1,1-Dichloroethane	3.124	63	17413	0.252	ug/L	97
21) 2-Butanone	3.918	43	18471m	2.655	ug/L	
22) cis-1,2-Dichloroethene	3.825	96	7613	0.226	ug/L	94
23) Bromochloromethane	4.179	128	5905m	0.385	ug/L	
25) Chloroform	4.278	83	23637	0.313	ug/L	94
27) 1,2-Dichloroethane	5.072	62	8570	0.224	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 1,1,1-Trichloroethane	4.516	97	16475	0.262	ug/L #	83
30) Cyclohexane	4.584	56	8685	0.242	ug/L #	86
31) Carbon tetrachloride	4.735	117	13333	0.241	ug/L	85
33) Benzene	5.018	78	28590	0.231	ug/L	100
34) Trichloroethene	5.851	95	9037	0.266	ug/L	91
35) Methylcyclohexane	6.031	83	11196	0.294	ug/L #	69
37) 1,2-Dichloropropane	6.098	63	7472	0.203	ug/L #	94
38) Bromodichloromethane	6.445	83	12022	0.236	ug/L #	94
39) cis-1,3-Dichloropropene	6.963	75	8774m	0.188	ug/L	
40) 4-Methyl-2-pentanone	7.159	43	35682m	2.188	ug/L	
42) Toluene	7.320	91	32368	0.244	ug/L	97
44) trans-1,3-Dichloropropene	7.587	75	8585	0.207	ug/L	100
45) 1,1,2-Trichloroethane	7.780	97	6415	0.238	ug/L	91
47) Tetrachloroethene	7.902	164	8428	0.276	ug/L	90
49) Dibromochloromethane	8.172	129	9856	0.289	ug/L	83
50) 1,2-Dibromoethane	8.284	107	5883	0.261	ug/L	96
51) Chlorobenzene	8.812	112	25946	0.271	ug/L	96
52) Ethylbenzene	8.947	91	30134	0.210	ug/L	96
53) m,p-Xylene	9.075	106	9917	0.180	ug/L	96
54) o-Xylene	9.474	106	11116	0.209	ug/L	94
55) Styrene	9.510	104	18843m	0.200	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.172	83	7863	0.245	ug/L #	86
59) Bromoform	9.674	173	5017	0.296	ug/L	95
60) Isopropylbenzene	9.860	105	27271	0.224	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	5219	0.308	ug/L #	73
62) 1,3,5-Trimethylbenzene	10.471	105	20739	0.222	ug/L	93
63) 1,2,4-Trimethylbenzene	10.847	105	20831	0.225	ug/L	94
64) 1,3-Dichlorobenzene	11.117	146	17551	0.262	ug/L	94
65) 1,4-Dichlorobenzene	11.198	146	18395	0.267	ug/L	91
67) 1,2-Dichlorobenzene	11.567	146	19002	0.313	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.378	75	1252	0.315	ug/L #	58
69) 1,3,5-Trichlorobenzene	12.580	180	15063	0.299	ug/L	92
70) 1,2,4-trichlorobenzene	13.197	180	11145	0.290	ug/L	94
71) Naphthalene	13.445	128	10900	0.230	ug/L #	93
72) 1,2,3-Trichlorobenzene	13.677	180	8276	0.241	ug/L	87

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

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