

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111825\
 Data File : VV039400.D
 Acq On : 18 Nov 2025 11:13
 Operator : SY/MD
 Sample : Q3589-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2025-08

Quant Time: Nov 19 03:53:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 19 03:46:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	1098885	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	1122859	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	549138	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.294	65	509800	47.603	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.200%		
7) Chloroethane-d5	1.545	69	388733	48.618	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	97.240%		
11) 1,1-Dichloroethene-d2	2.072	65	216502	48.030	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.060%		
21) 2-Butanone-d5	3.783	46	494555	87.459	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	87.460%		
24) Chloroform-d	4.249	84	852437	48.028	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.060%		
26) 1,2-Dichloroethane-d4	4.937	65	541718	49.047	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.100%		
32) Benzene-d6	4.960	84	1647506	49.191	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.380%		
36) 1,2-Dichloropropane-d6	5.982	67	532731	50.965	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	101.940%		
41) Toluene-d8	7.236	98	1455557	47.056	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.120%		
43) trans-1,3-Dichloroprop...	7.545	79	235109	44.581	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.160%		
47) 2-Hexanone-d5	8.011	63	364930	91.388	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	91.390%		
56) 1,1,2,2-Tetrachloroeth...	10.140	84	700282	45.833	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.660%		
66) 1,2-Dichlorobenzene-d4	11.545	152	561230	54.410	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	108.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	18284	2.372	ug/L	99
3) Chloromethane	1.230	50	22993	2.721	ug/L	98
5) Vinyl chloride	1.297	62	27611m	2.899	ug/L	
6) Bromomethane	1.500	94	16485	3.108	ug/L	95
8) Chloroethane	1.564	64	18676	2.980	ug/L	93
9) Trichlorofluoromethane	1.728	101	38654	2.509	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	28395	3.033	ug/L	87
12) 1,1-Dichloroethene	2.082	96	24826m	3.080	ug/L	
13) Acetone	2.124	43	33933	4.433	ug/L	91
14) Carbon disulfide	2.256	76	60181	2.631	ug/L	99
15) Methyl Acetate	2.400	43	25753m	2.589	ug/L	
16) Methylene chloride	2.461	84	25553	2.707	ug/L	95
17) trans-1,2-Dichloroethene	2.712	96	18770	2.234	ug/L	95
18) Methyl tert-butyl Ether	2.715	73	52272	2.038	ug/L	96
19) 1,1-Dichloroethane	3.127	63	37509	2.252	ug/L	98
20) cis-1,2-Dichloroethene	3.831	96	20767	2.295	ug/L	90
22) 2-Butanone	3.924	43	36895m	4.845	ug/L	
23) Bromochloromethane	4.166	128	13711	2.566	ug/L	93
27) 1,2-Dichloroethane	5.053	62	30838	2.301	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111825\
 Data File : VV039400.D
 Acq On : 18 Nov 2025 11:13
 Operator : SY/MD
 Sample : Q3589-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2025-08

Quant Time: Nov 19 03:53:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 19 03:46:50 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.587	56	26377	1.984	ug/L	95
30) 1,1,1-Trichloroethane	4.516	97	38528	2.426	ug/L	99
31) Carbon tetrachloride	4.738	117	33060	2.261	ug/L	93
33) Benzene	5.014	78	88197	2.516	ug/L	100
34) Trichloroethene	5.847	95	23795m	2.512	ug/L	
35) Methylcyclohexane	6.047	83	37474m	2.692	ug/L	
37) 1,2-Dichloropropane	6.095	63	24048	2.425	ug/L #	89
38) Bromodichloromethane	6.439	83	31997	2.321	ug/L	96
39) cis-1,3-Dichloropropene	6.956	75	36800m	2.410	ug/L	
40) 4-Methyl-2-pentanone	7.159	43	57792m	4.636	ug/L	
42) Toluene	7.317	91	91212	2.455	ug/L	98
44) trans-1,3-Dichloropropene	7.583	75	33870	2.301	ug/L	93
45) 1,1,2-Trichloroethane	7.770	97	24435	2.369	ug/L	97
46) Tetrachloroethene	7.902	164	20396	2.344	ug/L	96
48) 2-Hexanone	8.079	43	54279m	5.212	ug/L	
49) Dibromochloromethane	8.172	129	29301	2.487	ug/L	92
50) 1,2-Dibromoethane	8.281	107	27548	2.480	ug/L #	97
51) Chlorobenzene	8.805	112	64639	2.427	ug/L	98
52) Ethylbenzene	8.943	91	81904	2.028	ug/L	96
53) m,p-Xylene	9.069	106	28295	1.830	ug/L	98
54) o-Xylene	9.471	106	28184	1.908	ug/L	92
55) Styrene	9.497	104	49430m	1.903	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.165	83	42764	2.581	ug/L #	97
59) Bromoform	9.657	173	23537	2.801	ug/L	96
60) Isopropylbenzene	9.857	105	71664	2.144	ug/L	100
61) 1,2,3-Trichloropropane	10.197	75	29481	2.753	ug/L	96
62) 1,3,5-Trimethylbenzene	10.468	105	52475	2.010	ug/L	97
63) 1,2,4-Trimethylbenzene	10.844	105	50236	1.957	ug/L	96
64) 1,3-Dichlorobenzene	11.114	146	43968	2.416	ug/L	100
65) 1,4-Dichlorobenzene	11.197	146	49952	2.548	ug/L	98
67) 1,2-Dichlorobenzene	11.564	146	54692	3.009	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.358	75	8627	2.870	ug/L	95
69) 1,3,5-Trichlorobenzene	12.574	180	32910	2.539	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	23493	2.080	ug/L	90
71) Naphthalene	13.432	128	58894	1.852	ug/L	99
72) 1,2,3-Trichlorobenzene	13.670	180	26530	2.267	ug/L	94

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

