

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092625\
 Data File : VV039201.D
 Acq On : 26 Sep 2025 10:49
 Operator : SY/MD
 Sample : VV0926WBS01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0926WBS01

Quant Time: Sep 27 02:50:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	545170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	871681	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	834845	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	490803	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	370387	46.942	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	93.880%
35) Dibromofluoromethane	4.500	113	366158	52.251	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	104.500%
50) Toluene-d8	7.236	98	1033075	50.194	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	100.380%
62) 4-Bromofluorobenzene	10.002	95	469175	55.374	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	110.740%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.121	85	154039	17.849	ug/l	98
3) Chloromethane	1.227	50	163364	17.633	ug/l	100
4) Vinyl Chloride	1.294	62	185615	18.714	ug/l	99
5) Bromomethane	1.497	94	115593	18.487	ug/l	100
6) Chloroethane	1.561	64	119943	19.255	ug/l	100
7) Trichlorofluoromethane	1.725	101	273170	19.023	ug/l	98
8) Diethyl Ether	1.918	74	99752	18.712	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.082	101	160752	18.814	ug/l	97
10) Methyl Iodide	2.198	142	144299	17.735	ug/l	99
11) Tert butyl alcohol	2.568	59	169988	101.934	ug/l	98
12) 1,1-Dichloroethene	2.082	96	158225	19.249	ug/l	92
13) Acrolein	2.008	56	32871	113.596	ug/l	93
14) Allyl chloride	2.356	41	272293	18.545	ug/l	94
15) Acrylonitrile	2.674	53	500998	93.717	ug/l	99
16) Acetone	2.121	43	453436	86.377	ug/l	97
17) Carbon Disulfide	2.253	76	451210	17.949	ug/l	100
18) Methyl Acetate	2.378	43	232213	19.863	ug/l	96
19) Methyl tert-butyl Ether	2.712	73	503956	19.240	ug/l	99
20) Methylene Chloride	2.455	84	182887	19.906	ug/l	93
21) trans-1,2-Dichloroethene	2.703	96	167785	19.174	ug/l	97
22) Diisopropyl ether	3.217	45	504159	17.947	ug/l	92
23) Vinyl Acetate	3.188	43	2213428	90.069	ug/l	98
24) 1,1-Dichloroethane	3.118	63	317281	18.469	ug/l	100
25) 2-Butanone	3.870	43	574606	90.944	ug/l	99
26) 2,2-Dichloropropane	3.809	77	251937	16.540	ug/l	98
27) cis-1,2-Dichloroethene	3.818	96	180565	18.710	ug/l	98
28) Bromochloromethane	4.146	49	145186	19.144	ug/l	89
29) Tetrahydrofuran	4.240	42	369264	93.372	ug/l	97
30) Chloroform	4.278	83	329719	18.380	ug/l	100
31) Cyclohexane	4.584	56	235441	16.730	ug/l	98
32) 1,1,1-Trichloroethane	4.510	97	277050	17.839	ug/l	97
36) 1,1-Dichloropropene	4.744	75	199480	18.828	ug/l	99
37) Ethyl Acetate	3.982	43	227906	17.728	ug/l	98
38) Carbon Tetrachloride	4.732	117	233151	18.006	ug/l	98
39) Methylcyclohexane	6.047	83	217201	16.976	ug/l	98
40) Benzene	5.008	78	654407	18.968	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.163	41	96114	17.814	ug/l	93
42) 1,2-Dichloroethane	5.040	62	223503	18.489	ug/l	98
43) Isopropyl Acetate	5.195	43	327971	18.710	ug/l	98
44) Trichloroethene	5.831	130	160144	20.116	ug/l	97
45) 1,2-Dichloropropane	6.092	63	168622	19.664	ug/l	98
46) Dibromomethane	6.227	93	126156	19.221	ug/l	97
47) Bromodichloromethane	6.426	83	256722	18.920	ug/l	99
48) Methyl methacrylate	6.301	41	142959	17.992	ug/l	96
49) 1,4-Dioxane	6.297	88	51154	398.926	ug/l	96
51) 4-Methyl-2-Pentanone	7.150	43	1165241	101.045	ug/l	98
52) Toluene	7.307	92	405246	20.259	ug/l	98
53) t-1,3-Dichloropropene	7.577	75	237200	20.059	ug/l	98
54) cis-1,3-Dichloropropene	6.950	75	269902	20.676	ug/l	95
55) 1,1,2-Trichloroethane	7.760	97	173521	19.346	ug/l	98
56) Ethyl methacrylate	7.719	69	205595	19.302	ug/l	96
57) 1,3-Dichloropropane	7.934	76	270929	19.140	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.812	63	497770	89.200	ug/l	100
59) 2-Hexanone	8.066	43	847553	92.530	ug/l	99
60) Dibromochloromethane	8.169	129	199559	19.526	ug/l	98
61) 1,2-Dibromoethane	8.275	107	185266	20.197	ug/l	98
64) Tetrachloroethene	7.895	164	136377	19.503	ug/l	98
65) Chlorobenzene	8.805	112	448775	19.299	ug/l	97
66) 1,1,1,2-Tetrachloroethane	8.899	131	161669	19.241	ug/l	99
67) Ethyl Benzene	8.937	91	683210	19.409	ug/l	99
68) m/p-Xylenes	9.063	106	568444	41.841	ug/l	98
69) o-Xylene	9.468	106	243305	20.226	ug/l	97
70) Styrene	9.487	104	454259	18.755	ug/l	99
71) Bromoform	9.654	173	133666	20.366	ug/l	99
73) Isopropylbenzene	9.857	105	676001	18.990	ug/l	99
74) N-amyl acetate	9.725	43	273330	19.249	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.165	83	283007	18.144	ug/l	99
76) 1,2,3-Trichloropropane	10.198	75	205329	18.374	ug/l	99
77) Bromobenzene	10.140	156	182007	19.707	ug/l	96
78) n-propylbenzene	10.278	91	822195	18.966	ug/l	98
79) 2-Chlorotoluene	10.349	91	515642	19.879	ug/l	100
80) 1,3,5-Trimethylbenzene	10.464	105	577612	19.521	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.931	75	86829	18.654	ug/l	99
82) 4-Chlorotoluene	10.464	91	607661	20.203	ug/l	100
83) tert-Butylbenzene	10.789	119	532209	18.038	ug/l	98
84) 1,2,4-Trimethylbenzene	10.841	105	559808	19.488	ug/l	99
85) sec-Butylbenzene	11.011	105	691659	17.674	ug/l	100
86) p-Isopropyltoluene	11.169	119	589760	18.107	ug/l	100
87) 1,3-Dichlorobenzene	11.108	146	358060	19.156	ug/l	99
88) 1,4-Dichlorobenzene	11.198	146	375372	18.305	ug/l	98
89) n-Butylbenzene	11.580	91	539925	17.357	ug/l	99
90) Hexachloroethane	11.818	117	129925	16.198	ug/l	99
91) 1,2-Dichlorobenzene	11.567	146	329507	18.868	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	59548	21.458	ug/l	97
93) 1,2,4-Trichlorobenzene	13.188	180	183040	18.284	ug/l	99
94) Hexachlorobutadiene	13.371	225	79764	15.334	ug/l	98
95) Naphthalene	13.426	128	602556	18.623	ug/l	100
96) 1,2,3-Trichlorobenzene	13.667	180	188633	18.424	ug/l	99

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

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