

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092925\
 Data File : VV039240.D
 Acq On : 29 Sep 2025 18:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 30 01:31:20 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	588003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	900266	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	866177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	543818	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.941	65	367351	43.166	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	86.340%
35) Dibromofluoromethane	4.500	113	365150	50.453	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	100.900%
50) Toluene-d8	7.236	98	1035679	48.723	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	97.440%
62) 4-Bromofluorobenzene	10.001	95	490511	56.054	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	112.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.121	85	360835	38.766	ug/l	99
3) Chloromethane	1.227	50	379522	37.981	ug/l	100
4) Vinyl Chloride	1.294	62	426368	39.857	ug/l	99
5) Bromomethane	1.494	94	276548	41.008	ug/l	98
6) Chloroethane	1.558	64	276365	43.431	ug/l	98
7) Trichlorofluoromethane	1.725	101	661311	42.698	ug/l	99
8) Diethyl Ether	1.918	74	246769	42.919	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.079	101	395880	42.958	ug/l	97
10) Methyl Iodide	2.198	142	451897	51.493	ug/l	99
11) Tert butyl alcohol	2.571	59	401307	223.116	ug/l	98
12) 1,1-Dichloroethene	2.082	96	378457	42.689	ug/l	92
13) Acrolein	2.008	56	55846	178.935	ug/l	97
14) Allyl chloride	2.355	41	640477	40.443	ug/l	96
15) Acrylonitrile	2.674	53	1218525	211.335	ug/l	98
16) Acetone	2.118	43	961682	178.292	ug/l	98
17) Carbon Disulfide	2.253	76	1006796	37.133	ug/l	99
18) Methyl Acetate	2.378	43	603055	47.827	ug/l	96
19) Methyl tert-butyl Ether	2.712	73	1254836	44.418	ug/l	100
20) Methylene Chloride	2.455	84	437203	47.362	ug/l	92
21) trans-1,2-Dichloroethene	2.700	96	401387	42.529	ug/l	95
22) Diisopropyl ether	3.217	45	1268867	41.878	ug/l	98
23) Vinyl Acetate	3.188	43	5485185	206.945	ug/l	97
24) 1,1-Dichloroethane	3.118	63	748517	40.397	ug/l	98
25) 2-Butanone	3.867	43	1429691	209.796	ug/l	97
26) 2,2-Dichloropropane	3.812	77	558625	34.002	ug/l	98
27) cis-1,2-Dichloroethene	3.822	96	450788	43.307	ug/l	95
28) Bromochloromethane	4.146	49	348712	42.630	ug/l	90
29) Tetrahydrofuran	4.236	42	948151	222.285	ug/l	95
30) Chloroform	4.278	83	785627	40.605	ug/l	100
31) Cyclohexane	4.584	56	565338	37.246	ug/l	98
32) 1,1,1-Trichloroethane	4.513	97	685653	40.933	ug/l	98
36) 1,1-Dichloropropene	4.744	75	491719	44.938	ug/l	99
37) Ethyl Acetate	3.979	43	562043	42.330	ug/l	96
38) Carbon Tetrachloride	4.735	117	584016	43.671	ug/l	99
39) Methylcyclohexane	6.047	83	575745	43.570	ug/l	99
40) Benzene	5.008	78	1618097	45.412	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.159	41	266048	44.534	ug/l	97
42) 1,2-Dichloroethane	5.040	62	537982	43.090	ug/l	99
43) Isopropyl Acetate	5.195	43	848888	46.890	ug/l	98
44) Trichloroethene	5.831	130	391062	47.562	ug/l	99
45) 1,2-Dichloropropane	6.088	63	404855	45.712	ug/l	97
46) Dibromomethane	6.223	93	312602	46.116	ug/l	94
47) Bromodichloromethane	6.426	83	633297	45.191	ug/l	97
48) Methyl methacrylate	6.297	41	397638	48.454	ug/l	96
49) 1,4-Dioxane	6.291	88	124995	943.826	ug/l	100
51) 4-Methyl-2-Pentanone	7.150	43	2996905	251.628	ug/l	97
52) Toluene	7.307	92	1021553	49.447	ug/l	98
53) t-1,3-Dichloropropene	7.574	75	593107	48.565	ug/l	100
54) cis-1,3-Dichloropropene	6.947	75	651440	48.318	ug/l	98
55) 1,1,2-Trichloroethane	7.760	97	439648	47.461	ug/l	96
56) Ethyl methacrylate	7.715	69	598387	54.394	ug/l	95
57) 1,3-Dichloropropane	7.934	76	683754	46.771	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.812	63	1245486	202.413	ug/l	97
59) 2-Hexanone	8.063	43	2223832	231.492	ug/l	97
60) Dibromochloromethane	8.166	129	506852	48.019	ug/l	97
61) 1,2-Dibromoethane	8.272	107	462516	48.822	ug/l	99
64) Tetrachloroethene	7.895	164	348240	48.000	ug/l	99
65) Chlorobenzene	8.802	112	1132376	46.934	ug/l	97
66) 1,1,1,2-Tetrachloroethane	8.899	131	416105	47.731	ug/l	99
67) Ethyl Benzene	8.937	91	1856667	50.838	ug/l	100
68) m/p-Xylenes	9.063	106	1520585	107.875	ug/l	99
69) o-Xylene	9.468	106	674798	54.066	ug/l	99
70) Styrene	9.484	104	1279362	48.430	ug/l	99
71) Bromoform	9.654	173	354063	51.995	ug/l #	99
73) Isopropylbenzene	9.857	105	1848710	46.870	ug/l	99
74) N-amyl acetate	9.725	43	773873	49.187	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.165	83	703973	40.734	ug/l	99
76) 1,2,3-Trichloropropane	10.198	75	530357	42.833	ug/l	98
77) Bromobenzene	10.140	156	481573	47.059	ug/l	93
78) n-propylbenzene	10.278	91	2238148	46.597	ug/l	98
79) 2-Chlorotoluene	10.346	91	1357873	47.245	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	1582851	48.280	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.928	75	227792	44.166	ug/l	99
82) 4-Chlorotoluene	10.461	91	1620440	48.622	ug/l	98
83) tert-Butylbenzene	10.789	119	1505420	46.049	ug/l	99
84) 1,2,4-Trimethylbenzene	10.837	105	1603654	50.384	ug/l	99
85) sec-Butylbenzene	11.011	105	1949858	44.968	ug/l	98
86) p-Isopropyltoluene	11.165	119	1659546	45.984	ug/l	99
87) 1,3-Dichlorobenzene	11.104	146	933520	45.074	ug/l	99
88) 1,4-Dichlorobenzene	11.194	146	984844	43.343	ug/l	98
89) n-Butylbenzene	11.580	91	1556647	45.163	ug/l	99
90) Hexachloroethane	11.818	117	334589	37.648	ug/l	94
91) 1,2-Dichlorobenzene	11.567	146	880915	45.526	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.349	75	149548	48.180	ug/l	93
93) 1,2,4-Trichlorobenzene	13.185	180	528187	47.619	ug/l	99
94) Hexachlorobutadiene	13.368	225	211786	36.746	ug/l	99
95) Naphthalene	13.423	128	1922063	53.612	ug/l	100
96) 1,2,3-Trichlorobenzene	13.664	180	544724	48.016	ug/l	99

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

