

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR120425\
 Data File : VR026794.D
 Acq On : 4 Dec 2025 14:48
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_R/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDICC100

Quant Time: Dec 05 03:50:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R120425S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:44:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.790	168	497168	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.765	114	900885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.920	117	892293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.124	152	579045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.172	65	621309	102.718	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.440%	
35) Dibromofluoromethane	7.714	113	542587	106.280	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.560%	
50) Toluene-d8	10.428	98	2491171	103.617	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.240%	
62) 4-Bromofluorobenzene	13.049	95	980171	106.076	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.160%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	548585	97.806	ug/l	97
3) Chloromethane	2.191	50	749634	96.791	ug/l	89
4) Vinyl Chloride	2.326	62	839600	98.735	ug/l	98
5) Bromomethane	2.678	94	739121	102.255	ug/l	95
6) Chloroethane	2.813	64	626308	106.452	ug/l	96
7) Trichlorofluoromethane	3.148	101	1315083	97.019	ug/l	99
8) Diethyl Ether	3.565	74	352792	111.229	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.900	101	623576	98.059	ug/l	99
10) Methyl Iodide	4.094	142	807798	102.310	ug/l	99
11) Tert butyl alcohol	4.970	59	421812	208.314	ug/l	100
12) 1,1-Dichloroethene	3.883	96	632489	101.822	ug/l	94
13) Acrolein	3.765	56	25510	171.663	ug/l	94
14) Allyl chloride	4.464	41	1202833	106.033	ug/l	98
15) Acrylonitrile	5.134	53	1006612	553.139	ug/l	99
16) Acetone	3.971	43	1135638	431.117	ug/l	96
17) Carbon Disulfide	4.194	76	1857292	97.922	ug/l	96
18) Methyl Acetate	4.476	43	617794	98.690	ug/l	98
19) Methyl tert-butyl Ether	5.205	73	1751597	109.734	ug/l	98
20) Methylene Chloride	4.688	84	689522	91.318	ug/l	96
21) trans-1,2-Dichloroethene	5.187	96	702088	103.764	ug/l	87
22) Diisopropyl ether	6.092	45	2445701	106.073	ug/l	97
23) Vinyl Acetate	6.021	43	6175831	547.785	ug/l	97
24) 1,1-Dichloroethane	5.969	63	1296150	100.063	ug/l	98
25) 2-Butanone	6.961	43	1562421	481.510	ug/l	94
26) 2,2-Dichloropropane	6.950	77	1178914	105.257	ug/l	100
27) cis-1,2-Dichloroethene	6.950	96	844833	106.948	ug/l	99
28) Bromochloromethane	7.314	49	566308	103.975	ug/l	96
29) Tetrahydrofuran	7.349	42	820253	556.179	ug/l	97
30) Chloroform	7.496	83	1215751	102.133	ug/l	95
31) Cyclohexane	7.796	56	1382634	99.333	ug/l	95
32) 1,1,1-Trichloroethane	7.702	97	1113558	107.584	ug/l	99
36) 1,1-Dichloropropene	7.937	75	1030517	109.297	ug/l	96
37) Ethyl Acetate	7.055	43	568019	120.653	ug/l	96
38) Carbon Tetrachloride	7.919	117	922792	110.151	ug/l	94
39) Methylcyclohexane	9.318	83	1465703	104.210	ug/l	92
40) Benzene	8.195	78	3069608	106.322	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.279	41	331813	112.380	ug/l	95
42) 1,2-Dichloroethane	8.272	62	778776	108.972	ug/l	100
43) Isopropyl Acetate	8.319	43	1129464	114.044	ug/l	97
44) Trichloroethene	9.041	130	722875	105.321	ug/l	92
45) 1,2-Dichloropropane	9.347	63	755457	108.766	ug/l	95
46) Dibromomethane	9.441	93	389478	109.477	ug/l	96
47) Bromodichloromethane	9.658	83	958694	108.034	ug/l	93
48) Methyl methacrylate	9.435	41	554848	113.846	ug/l	96
49) 1,4-Dioxane	9.447	88	170699	2379.947	ug/l #	87
51) 4-Methyl-2-Pentanone	10.305	43	3029352	575.821	ug/l	97
52) Toluene	10.504	92	2045733	105.765	ug/l	98
53) t-1,3-Dichloropropene	10.745	75	1026498	112.494	ug/l	100
54) cis-1,3-Dichloropropene	10.140	75	1189915	109.070	ug/l	99
55) 1,1,2-Trichloroethane	10.951	97	542109	105.936	ug/l #	88
56) Ethyl methacrylate	10.798	69	878834	116.061	ug/l	99
57) 1,3-Dichloropropane	11.116	76	999240	107.633	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.982	63	270044	591.992	ug/l	93
59) 2-Hexanone	11.163	43	2425260	519.756	ug/l	99
60) Dibromochloromethane	11.339	129	629250	113.740	ug/l	99
61) 1,2-Dibromoethane	11.462	107	513327	106.528	ug/l	98
64) Tetrachloroethene	11.045	164	650430	105.277	ug/l	98
65) Chlorobenzene	11.950	112	2337060	107.041	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.032	131	666185	111.739	ug/l	99
67) Ethyl Benzene	12.038	91	4214508	107.322	ug/l	95
68) m/p-Xylenes	12.161	106	3279744	213.455	ug/l	95
69) o-Xylene	12.532	106	1608174	108.822	ug/l	97
70) Styrene	12.549	104	2823866	111.544	ug/l	98
71) Bromoform	12.737	173	373935	121.461	ug/l #	97
73) Isopropylbenzene	12.872	105	4173886	104.290	ug/l	99
74) N-amyl acetate	12.655	43	1307762	119.377	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.154	83	843236	124.726	ug/l	98
76) 1,2,3-Trichloropropane	13.219	75	602503m	101.233	ug/l	
77) Bromobenzene	13.195	156	919269	107.399	ug/l	96
78) n-propylbenzene	13.266	91	5379587	104.377	ug/l	96
79) 2-Chlorotoluene	13.366	91	3135576	112.453	ug/l	98
80) 1,3,5-Trimethylbenzene	13.425	105	3855623	110.296	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.925	75	276046	118.382	ug/l	97
82) 4-Chlorotoluene	13.472	91	3341218	110.288	ug/l	99
83) tert-Butylbenzene	13.724	119	3495354	110.946	ug/l	99
84) 1,2,4-Trimethylbenzene	13.771	105	4095985	109.160	ug/l	99
85) sec-Butylbenzene	13.924	105	5331202	107.344	ug/l	98
86) p-Isopropyltoluene	14.053	119	4820511	110.203	ug/l	97
87) 1,3-Dichlorobenzene	14.059	146	2227741	107.564	ug/l	98
88) 1,4-Dichlorobenzene	14.147	146	2290749	104.778	ug/l	98
89) n-Butylbenzene	14.423	91	5073177	112.518	ug/l	98
90) Hexachloroethane	14.741	117	854951	125.084	ug/l	89
91) 1,2-Dichlorobenzene	14.482	146	2110491	111.002	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	15.187	75	143853	115.251	ug/l	91
93) 1,2,4-Trichlorobenzene	16.004	180	1408527	115.400	ug/l	99
94) Hexachlorobutadiene	16.133	225	644003	114.291	ug/l	98
95) Naphthalene	16.304	128	2753919	99.865	ug/l	99
96) 1,2,3-Trichlorobenzene	16.550	180	1243523	119.848	ug/l	97

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

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