

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR120425\
 Data File : VR026790.D
 Acq On : 4 Dec 2025 10:06
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_R/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDICC005

Quant Time: Dec 05 03:45:18 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	7.796	168	572650	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.771	114	1070101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.921	117	1054522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.124	152	621988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.166	65	34307	4.924	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.840%	
35) Dibromofluoromethane	7.708	113	28402	4.684	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	9.360%	
50) Toluene-d8	10.428	98	132439	4.638	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.280%	
62) 4-Bromofluorobenzene	13.049	95	54468	4.962	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.920%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	31748	4.914	ug/l #	66
3) Chloromethane	2.208	50	48905	5.482	ug/l	93
4) Vinyl Chloride	2.338	62	50473	5.153	ug/l	90
5) Bromomethane	2.708	94	41134	4.941	ug/l	97
6) Chloroethane	2.843	64	34419	5.079	ug/l	93
7) Trichlorofluoromethane	3.172	101	87660	5.615	ug/l	87
8) Diethyl Ether	3.583	74	14129	3.867	ug/l	53
9) 1,1,2-Trichlorotrifluo...	3.918	101	37980	5.185	ug/l	98
10) Methyl Iodide	4.100	142	29376	7.949	ug/l #	88
11) Tert butyl alcohol	4.923	59	123001	52.738	ug/l #	91
12) 1,1-Dichloroethene	3.883	96	35097	4.905	ug/l #	92
13) Acrolein	3.765	56	7263m	42.432	ug/l	
14) Allyl chloride	4.476	41	64141	4.909	ug/l	90
15) Acrylonitrile	5.140	53	46594	22.229	ug/l	95
16) Acetone	3.983	43	87350	28.789	ug/l	94
17) Carbon Disulfide	4.212	76	117866	5.395	ug/l #	93
18) Methyl Acetate	4.494	43	26411	6.058	ug/l #	59
19) Methyl tert-butyl Ether	5.211	73	82104	4.466	ug/l	94
20) Methylene Chloride	4.700	84	51047	5.869	ug/l #	86
21) trans-1,2-Dichloroethene	5.199	96	41567	5.334	ug/l	93
22) Diisopropyl ether	6.110	45	132583	4.992	ug/l #	82
23) Vinyl Acetate	6.027	43	285364	21.975	ug/l #	93
24) 1,1-Dichloroethane	5.986	63	79228	5.310	ug/l	97
25) 2-Butanone	6.962	43	94514	25.288	ug/l	100
26) 2,2-Dichloropropane	6.944	77	70649	5.476	ug/l	86
27) cis-1,2-Dichloroethene	6.962	96	46715	5.134	ug/l	63
28) Bromochloromethane	7.320	49	29162	4.648	ug/l	98
29) Tetrahydrofuran	7.361	42	41826m	24.622	ug/l	
30) Chloroform	7.496	83	71209	5.194	ug/l #	79
31) Cyclohexane	7.808	56	84433	5.266	ug/l #	85
32) 1,1,1-Trichloroethane	7.708	97	58699	4.924	ug/l	98
36) 1,1-Dichloropropene	7.943	75	53831	4.807	ug/l	95
37) Ethyl Acetate	7.062	43	27567m	4.930	ug/l	
38) Carbon Tetrachloride	7.919	117	49782	5.003	ug/l #	90
39) Methylcyclohexane	9.324	83	89703	5.369	ug/l	91
40) Benzene	8.195	78	175417	5.115	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.291	41	17680	5.041	ug/l #	73
42) 1,2-Dichloroethane	8.272	62	42919	5.056	ug/l	91
43) Isopropyl Acetate	8.331	43	54236	4.610	ug/l #	86
44) Trichloroethene	9.042	130	39328	4.824	ug/l	84
45) 1,2-Dichloropropane	9.353	63	41359	5.013	ug/l	93
46) Dibromomethane	9.447	93	20440	4.837	ug/l	96
47) Bromodichloromethane	9.659	83	50371	4.779	ug/l	88
48) Methyl methacrylate	9.435	41	28395	4.905	ug/l	97
49) 1,4-Dioxane	9.453	88	7233	84.898	ug/l #	84
51) 4-Methyl-2-Pentanone	10.305	43	140379	22.464	ug/l	94
52) Toluene	10.505	92	116831	5.085	ug/l	92
53) t-1,3-Dichloropropene	10.746	75	48139	4.441	ug/l #	88
54) cis-1,3-Dichloropropene	10.146	75	65906	5.086	ug/l	96
55) 1,1,2-Trichloroethane	10.951	97	30475	5.014	ug/l #	87
56) Ethyl methacrylate	10.804	69	40461	4.498	ug/l	93
57) 1,3-Dichloropropane	11.116	76	56660	5.138	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.982	63	9759m	18.011	ug/l	
59) 2-Hexanone	11.163	43	130084	23.470	ug/l	99
60) Dibromochloromethane	11.345	129	27068	4.119	ug/l	79
61) 1,2-Dibromoethane	11.456	107	27489	4.803	ug/l	90
64) Tetrachloroethene	11.039	164	40325	5.523	ug/l	94
65) Chlorobenzene	11.950	112	126820	4.915	ug/l #	79
66) 1,1,1,2-Tetrachloroethane	12.032	131	35728	5.071	ug/l	92
67) Ethyl Benzene	12.032	91	229250	4.940	ug/l	99
68) m/p-Xylenes	12.156	106	184694	10.171	ug/l	97
69) o-Xylene	12.532	106	84505	4.839	ug/l	94
70) Styrene	12.543	104	137430	4.593	ug/l	95
71) Bromoform	12.737	173	16389	4.504	ug/l #	98
73) Isopropylbenzene	12.878	105	217181	5.052	ug/l	98
74) N-amyl acetate	12.655	43	49681	4.222	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.154	83	30373	4.182	ug/l #	82
76) 1,2,3-Trichloropropane	13.213	75	37367m	5.845	ug/l	
77) Bromobenzene	13.201	156	44625	4.854	ug/l	85
78) n-propylbenzene	13.260	91	280006	5.058	ug/l	99
79) 2-Chlorotoluene	13.366	91	137600	4.594	ug/l	94
80) 1,3,5-Trimethylbenzene	13.425	105	185970	4.953	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.943	75	10763	4.297	ug/l #	89
82) 4-Chlorotoluene	13.478	91	159275	4.894	ug/l	91
83) tert-Butylbenzene	13.730	119	163201	4.823	ug/l	98
84) 1,2,4-Trimethylbenzene	13.771	105	194431	4.824	ug/l	96
85) sec-Butylbenzene	13.924	105	268685	5.036	ug/l	98
86) p-Isopropyltoluene	14.053	119	229824	4.891	ug/l	99
87) 1,3-Dichlorobenzene	14.059	146	110358	4.961	ug/l	99
88) 1,4-Dichlorobenzene	14.147	146	118631	5.052	ug/l	98
89) n-Butylbenzene	14.424	91	225670	4.660	ug/l	99
90) Hexachloroethane	14.741	117	35225	4.798	ug/l	88
91) 1,2-Dichlorobenzene	14.482	146	103151	5.051	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	15.187	75	6011	4.483	ug/l	95
93) 1,2,4-Trichlorobenzene	16.004	180	55714	4.249	ug/l	98
94) Hexachlorobutadiene	16.133	225	27528	4.548	ug/l	89
95) Naphthalene	16.310	128	94442	6.987	ug/l #	84
96) 1,2,3-Trichlorobenzene	16.545	180	44339	3.978	ug/l	94

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

