

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR120425\
 Data File : VR026792.D
 Acq On : 4 Dec 2025 13:05
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA_R/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDIC020

Quant Time: Dec 05 03:47:19 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	597089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.771	114	1091713	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.921	117	1110698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.124	152	694349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.172	65	137638	18.947	ug/l	0.00
Spiked Amount 50.000			Recovery	=	37.900%	
35) Dibromofluoromethane	7.725	113	114833	18.561	ug/l	0.00
Spiked Amount 50.000			Recovery	=	37.120%	
50) Toluene-d8	10.434	98	526121	18.058	ug/l	0.00
Spiked Amount 50.000			Recovery	=	36.120%	
62) 4-Bromofluorobenzene	13.055	95	213570	19.073	ug/l	0.00
Spiked Amount 50.000			Recovery	=	38.140%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	141941	21.071	ug/l	99
3) Chloromethane	2.197	50	179751	19.325	ug/l	97
4) Vinyl Chloride	2.326	62	192464	18.846	ug/l	98
5) Bromomethane	2.672	94	194500	22.405	ug/l	89
6) Chloroethane	2.808	64	129634	18.346	ug/l	96
7) Trichlorofluoromethane	3.143	101	300685	18.470	ug/l	99
8) Diethyl Ether	3.566	74	71670	18.815	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.906	101	154265	20.199	ug/l	96
10) Methyl Iodide	4.094	142	133144	18.245	ug/l	93
11) Tert butyl alcohol	4.923	59	234400m	96.387	ug/l	
12) 1,1-Dichloroethene	3.877	96	142091	19.047	ug/l	94
13) Acrolein	3.759	56	25082	140.538	ug/l	98
14) Allyl chloride	4.476	41	258247	18.956	ug/l	95
15) Acrylonitrile	5.146	53	211413	96.732	ug/l	97
16) Acetone	3.977	43	350666	110.844	ug/l	99
17) Carbon Disulfide	4.194	76	432972	19.007	ug/l #	93
18) Methyl Acetate	4.494	43	99049	15.330	ug/l	99
19) Methyl tert-butyl Ether	5.211	73	380183	19.832	ug/l	94
20) Methylene Chloride	4.694	84	169400	18.680	ug/l	95
21) trans-1,2-Dichloroethene	5.187	96	153342	18.870	ug/l	93
22) Diisopropyl ether	6.104	45	534823	19.314	ug/l #	91
23) Vinyl Acetate	6.027	43	1352080	99.858	ug/l	100
24) 1,1-Dichloroethane	5.975	63	295207	18.976	ug/l	96
25) 2-Butanone	6.973	43	413337	106.066	ug/l	95
26) 2,2-Dichloropropane	6.956	77	245971	18.286	ug/l	99
27) cis-1,2-Dichloroethene	6.956	96	175557	18.505	ug/l	97
28) Bromochloromethane	7.314	49	130466	19.945	ug/l	92
29) Tetrahydrofuran	7.355	42	168204	94.966	ug/l	97
30) Chloroform	7.496	83	272903	19.090	ug/l	94
31) Cyclohexane	7.802	56	318615	19.060	ug/l	98
32) 1,1,1-Trichloroethane	7.714	97	230654	18.555	ug/l	95
36) 1,1-Dichloropropene	7.937	75	209481	18.334	ug/l	96
37) Ethyl Acetate	7.056	43	115150	20.184	ug/l #	77
38) Carbon Tetrachloride	7.919	117	187624	18.481	ug/l	91
39) Methylcyclohexane	9.324	83	323761	18.995	ug/l	87
40) Benzene	8.201	78	676533	19.337	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.297	41	68390	19.114	ug/l	90
42) 1,2-Dichloroethane	8.278	62	159932	18.467	ug/l	96
43) Isopropyl Acetate	8.325	43	227224	18.933	ug/l	93
44) Trichloroethene	9.047	130	163271	19.630	ug/l	100
45) 1,2-Dichloropropane	9.347	63	154024	18.299	ug/l	98
46) Dibromomethane	9.453	93	81550	18.916	ug/l	96
47) Bromodichloromethane	9.659	83	203923	18.963	ug/l	92
48) Methyl methacrylate	9.441	41	103149	17.465	ug/l	90
49) 1,4-Dioxane	9.453	88	33584	386.393	ug/l #	93
51) 4-Methyl-2-Pentanone	10.305	43	614679	96.416	ug/l	100
52) Toluene	10.499	92	443512	18.922	ug/l	99
53) t-1,3-Dichloropropene	10.746	75	215466	19.485	ug/l	94
54) cis-1,3-Dichloropropene	10.140	75	246931	18.678	ug/l	94
55) 1,1,2-Trichloroethane	10.951	97	120694	19.463	ug/l	93
56) Ethyl methacrylate	10.804	69	181582	19.788	ug/l	98
57) 1,3-Dichloropropane	11.116	76	211919	18.837	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.982	63	55899	101.122	ug/l	98
59) 2-Hexanone	11.169	43	600744	106.241	ug/l	100
60) Dibromochloromethane	11.345	129	135827	20.260	ug/l	95
61) 1,2-Dibromoethane	11.468	107	114515	19.611	ug/l	93
64) Tetrachloroethene	11.045	164	136032	17.688	ug/l	93
65) Chlorobenzene	11.950	112	519956	19.132	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.032	131	137839	18.573	ug/l	100
67) Ethyl Benzene	12.038	91	928430	18.993	ug/l	95
68) m/p-Xylenes	12.167	106	714843	37.376	ug/l	97
69) o-Xylene	12.538	106	356416	19.376	ug/l	98
70) Styrene	12.549	104	604197	19.173	ug/l	99
71) Bromoform	12.737	173	69420	18.115	ug/l #	95
73) Isopropylbenzene	12.878	105	897069	18.692	ug/l	99
74) N-amyl acetate	12.655	43	246853	18.792	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.160	83	149672	18.462	ug/l	96
76) 1,2,3-Trichloropropane	13.219	75	123308m	17.278	ug/l	
77) Bromobenzene	13.202	156	197050	19.199	ug/l	94
78) n-propylbenzene	13.266	91	1178924	19.076	ug/l	97
79) 2-Chlorotoluene	13.366	91	621461	18.587	ug/l	98
80) 1,3,5-Trimethylbenzene	13.425	105	778812	18.579	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.925	75	52461	18.762	ug/l	86
82) 4-Chlorotoluene	13.472	91	679547	18.706	ug/l	98
83) tert-Butylbenzene	13.724	119	682409	18.063	ug/l	99
84) 1,2,4-Trimethylbenzene	13.771	105	857431	19.056	ug/l	99
85) sec-Butylbenzene	13.930	105	1112074	18.673	ug/l	98
86) p-Isopropyltoluene	14.053	119	965409	18.405	ug/l	97
87) 1,3-Dichlorobenzene	14.059	146	483922	19.486	ug/l	97
88) 1,4-Dichlorobenzene	14.147	146	490815	18.722	ug/l	98
89) n-Butylbenzene	14.430	91	1006175	18.610	ug/l	100
90) Hexachloroethane	14.741	117	147626	18.012	ug/l	94
91) 1,2-Dichlorobenzene	14.482	146	417483	18.311	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	15.187	75	33207	22.187	ug/l	70
93) 1,2,4-Trichlorobenzene	16.010	180	269335	18.402	ug/l	98
94) Hexachlorobutadiene	16.139	225	121946	18.048	ug/l	100
95) Naphthalene	16.316	128	462699	17.366	ug/l	99
96) 1,2,3-Trichlorobenzene	16.556	180	231516	18.608	ug/l	96

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

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