

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR120425\
 Data File : VR026795.D
 Acq On : 4 Dec 2025 15:12
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA_R/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDICC150

Quant Time: Dec 05 03:24:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R120425S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:10:10 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.784	168	64308	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.760	114	106112	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.921	117	81427	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	14.118	152	29850	50.000	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.172	65	83740	107.031	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.060%	
35) Dibromofluoromethane	7.708	113	64155	106.688	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	213.380%	
50) Toluene-d8	10.428	98	380863	134.493	ug/l	0.00
Spiked Amount	50.000		Recovery	=	268.980%	
62) 4-Bromofluorobenzene	13.055	95	78877	72.472	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.940%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.985	85	112171	154.610	ug/l 94
3) Chloromethane	2.197	50	152503	152.230	ug/l 90
4) Vinyl Chloride	2.326	62	172484	156.814	ug/l 98
5) Bromomethane	2.708	94	56668m	60.610	ug/l
6) Chloroethane	2.843	64	78196	102.751	ug/l 100
7) Trichlorofluoromethane	3.160	101	212821	121.382	ug/l 92
8) Diethyl Ether	3.548	74	50451	122.972	ug/l 84
9) 1,1,2-Trichlorotrifluo...	3.900	101	130094	158.160	ug/l # 85
10) Methyl Iodide	4.106	142	139653	177.221	ug/l 96
11) Tert butyl alcohol	4.940	59	29095m	132.050	ug/l
12) 1,1-Dichloroethene	3.877	96	145455	181.032	ug/l 86
13) Acrolein	3.777	56	11483m	689.939	ug/l
14) Allyl chloride	4.465	41	179879	122.590	ug/l 100
15) Acrylonitrile	5.152	53	93076	395.410	ug/l 92
16) Acetone	3.965	43	121126	355.492	ug/l 89
17) Carbon Disulfide	4.200	76	371969	151.616	ug/l # 92
18) Methyl Acetate	4.488	43	56629	85.542	ug/l 96
19) Methyl tert-butyl Ether	5.193	73	143675	69.587	ug/l 95
20) Methylene Chloride	4.676	84	107981	110.558	ug/l # 74
21) trans-1,2-Dichloroethene	5.175	96	128091	146.357	ug/l 93
22) Diisopropyl ether	6.080	45	324971	108.965	ug/l 89
23) Vinyl Acetate	6.080	43	174542	119.689	ug/l # 74
24) 1,1-Dichloroethane	5.963	63	224851	134.200	ug/l 97
25) 2-Butanone	6.973	43	106401	253.508	ug/l 92
26) 2,2-Dichloropropane	6.944	77	51620	35.631	ug/l 94
27) cis-1,2-Dichloroethene	6.944	96	128022	125.292	ug/l 89
28) Bromochloromethane	7.302	49	75996	107.871	ug/l 100
29) Tetrahydrofuran	7.361	42	73807	428.570	ug/l 98
30) Chloroform	7.485	83	189320	122.958	ug/l 85
31) Cyclohexane	7.796	56	271143	150.600	ug/l 94
32) 1,1,1-Trichloroethane	7.696	97	189348	141.427	ug/l 99
36) 1,1-Dichloropropene	7.937	75	182411	164.252	ug/l 95
37) Ethyl Acetate	7.044	43	33484	60.383	ug/l # 75
38) Carbon Tetrachloride	7.919	117	138394	140.252	ug/l 85
39) Methylcyclohexane	9.318	83	291831	176.156	ug/l 97
40) Benzene	8.190	78	505449	148.636	ug/l 99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.297	41	30404	87.424	ug/l #	79
42) 1,2-Dichloroethane	8.266	62	95445	113.387	ug/l	100
43) Isopropyl Acetate	8.319	43	82329	70.576	ug/l	95
44) Trichloroethene	9.036	130	145598	180.100	ug/l	95
45) 1,2-Dichloropropane	9.347	63	105675	129.170	ug/l #	86
46) Dibromomethane	9.453	93	46297	110.484	ug/l	95
47) Bromodichloromethane	9.653	83	110777	105.982	ug/l	98
48) Methyl methacrylate	9.435	41	39027	67.985	ug/l	96
49) 1,4-Dioxane	9.441	88	10432	1390.984	ug/l #	81
51) 4-Methyl-2-Pentanone	10.305	43	215742	348.159	ug/l	95
52) Toluene	10.499	92	313255	137.498	ug/l	96
53) t-1,3-Dichloropropene	10.745	75	44106	41.037	ug/l	89
54) cis-1,3-Dichloropropene	10.140	75	83978	65.352	ug/l #	87
55) 1,1,2-Trichloroethane	10.945	97	60989	101.184	ug/l	95
56) Ethyl methacrylate	10.804	69	54601	61.219	ug/l	97
57) 1,3-Dichloropropane	11.116	76	84457	77.236	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.993	63	6956m	151.145	ug/l	
59) 2-Hexanone	11.174	43	102842	187.119	ug/l	96
60) Dibromochloromethane	11.339	129	59707	91.626	ug/l	87
61) 1,2-Dibromoethane	11.456	107	40441	71.252	ug/l	88
64) Tetrachloroethene	11.039	164	170175	301.835	ug/l	90
65) Chlorobenzene	11.950	112	278908	139.984	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.032	131	70788	130.109	ug/l	98
67) Ethyl Benzene	12.038	91	572191	159.669	ug/l	98
68) m/p-Xylenes	12.161	106	427078	304.588	ug/l	97
69) o-Xylene	12.532	106	185324	137.422	ug/l	96
70) Styrene	12.549	104	248807	107.697	ug/l	98
71) Bromoform	12.737	173	20647	73.491	ug/l #	96
73) Isopropylbenzene	12.872	105	531743	257.735	ug/l	94
74) N-amyl acetate	12.667	43	31866	56.427	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	13.154	83	33677	96.629	ug/l	92
76) 1,2,3-Trichloropropane	13.219	75	34696m	78.153	ug/l	
77) Bromobenzene	13.196	156	78373	177.620	ug/l	89
78) n-propylbenzene	13.266	91	611534	230.121	ug/l	99
79) 2-Chlorotoluene	13.366	91	316150	219.946	ug/l	96
80) 1,3,5-Trimethylbenzene	13.419	105	410394	227.736	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.867	75	9797m	82.021	ug/l	
82) 4-Chlorotoluene	13.478	91	280414	179.553	ug/l	94
83) tert-Butylbenzene	13.724	119	421333	259.427	ug/l	96
84) 1,2,4-Trimethylbenzene	13.777	105	349380	180.622	ug/l	100
85) sec-Butylbenzene	13.924	105	587911	229.633	ug/l	97
86) p-Isopropyltoluene	14.053	119	432847	191.957	ug/l	98
87) 1,3-Dichlorobenzene	14.059	146	159489	149.383	ug/l	97
88) 1,4-Dichlorobenzene	14.142	146	135519	120.243	ug/l	97
89) n-Butylbenzene	14.429	91	340107	146.328	ug/l	97
90) Hexachloroethane	14.741	117	34178	97.001	ug/l	98
91) 1,2-Dichlorobenzene	14.482	146	122755	125.243	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	15.193	75	2801	43.532	ug/l #	59
93) 1,2,4-Trichlorobenzene	16.010	180	43583	69.267	ug/l	88
94) Hexachlorobutadiene	16.122	225	38173	131.416	ug/l	93
95) Naphthalene	16.316	128	134005	120.598	ug/l #	95
96) 1,2,3-Trichlorobenzene	16.545	180	29711	55.547	ug/l	91

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

