

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR120425\
 Data File : VR026793.D
 Acq On : 4 Dec 2025 13:29
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_R/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDICCC050

Quant Time: Dec 05 03:48:33 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	7.802	168	479720	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.771	114	908779	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.921	117	910939	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.130	152	567627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.172	65	321297	55.051	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.100%	
35) Dibromofluoromethane	7.720	113	280051	54.379	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.760%	
50) Toluene-d8	10.434	98	1294962	53.394	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.780%	
62) 4-Bromofluorobenzene	13.049	95	519863	55.772	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.540%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	279844	51.707	ug/l	100
3) Chloromethane	2.202	50	368794	49.350	ug/l	100
4) Vinyl Chloride	2.332	62	421704	51.395	ug/l	100
5) Bromomethane	2.678	94	327980	47.025	ug/l	100
6) Chloroethane	2.831	64	289938	51.072	ug/l	100
7) Trichlorofluoromethane	3.166	101	675402	51.639	ug/l	100
8) Diethyl Ether	3.571	74	172519	56.370	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.918	101	300258	48.934	ug/l	100
10) Methyl Iodide	4.100	142	325878	45.610	ug/l	100
11) Tert butyl alcohol	4.964	59	240307	122.993	ug/l	100
12) 1,1-Dichloroethene	3.895	96	307930	51.375	ug/l	100
13) Acrolein	3.771	56	17219	120.085	ug/l	100
14) Allyl chloride	4.476	41	578801	52.879	ug/l	100
15) Acrylonitrile	5.146	53	491740	280.042	ug/l	100
16) Acetone	3.977	43	566622	222.927	ug/l	100
17) Carbon Disulfide	4.206	76	923661	50.470	ug/l	100
18) Methyl Acetate	4.488	43	317106	53.663	ug/l	100
19) Methyl tert-butyl Ether	5.217	73	843022	54.735	ug/l	100
20) Methylene Chloride	4.699	84	353732	48.551	ug/l	100
21) trans-1,2-Dichloroethene	5.193	96	316758	48.518	ug/l	100
22) Diisopropyl ether	6.098	45	1166914	52.451	ug/l	100
23) Vinyl Acetate	6.027	43	2947030	270.903	ug/l	100
24) 1,1-Dichloroethane	5.974	63	639997	51.205	ug/l	100
25) 2-Butanone	6.967	43	752063	240.202	ug/l	100
26) 2,2-Dichloropropane	6.956	77	541245	50.082	ug/l	100
27) cis-1,2-Dichloroethene	6.962	96	394753	51.790	ug/l	100
28) Bromochloromethane	7.320	49	274253	52.185	ug/l	100
29) Tetrahydrofuran	7.349	42	413976	290.909	ug/l	100
30) Chloroform	7.502	83	588640	51.249	ug/l	100
31) Cyclohexane	7.808	56	674050	50.187	ug/l	100
32) 1,1,1-Trichloroethane	7.714	97	524488	52.515	ug/l	100
36) 1,1-Dichloropropene	7.937	75	474875	49.928	ug/l	100
37) Ethyl Acetate	7.061	43	256276	53.963	ug/l	100
38) Carbon Tetrachloride	7.925	117	431807	51.096	ug/l	100
39) Methylcyclohexane	9.329	83	689186	48.575	ug/l	100
40) Benzene	8.201	78	1463499	50.251	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.291	41	167900	56.371	ug/l	100
42) 1,2-Dichloroethane	8.278	62	371136	51.481	ug/l	100
43) Isopropyl Acetate	8.325	43	542872	54.339	ug/l	100
44) Trichloroethene	9.047	130	353585	51.069	ug/l	100
45) 1,2-Dichloropropane	9.353	63	360196	51.408	ug/l	100
46) Dibromomethane	9.447	93	191650	53.402	ug/l	100
47) Bromodichloromethane	9.658	83	468018	52.282	ug/l	100
48) Methyl methacrylate	9.441	41	268236	54.560	ug/l	100
49) 1,4-Dioxane	9.447	88	75382	1041.874	ug/l	100
51) 4-Methyl-2-Pentanone	10.305	43	1508267	284.202	ug/l	100
52) Toluene	10.505	92	995765	51.034	ug/l	100
53) t-1,3-Dichloropropene	10.751	75	494436	53.715	ug/l	100
54) cis-1,3-Dichloropropene	10.146	75	563785	51.229	ug/l	100
55) 1,1,2-Trichloroethane	10.951	97	280521	54.342	ug/l	100
56) Ethyl methacrylate	10.804	69	423748	55.475	ug/l	100
57) 1,3-Dichloropropane	11.116	76	488298	52.140	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.982	63	158544	344.542	ug/l	100
59) 2-Hexanone	11.168	43	1161652	246.791	ug/l	100
60) Dibromochloromethane	11.345	129	305600	54.759	ug/l	100
61) 1,2-Dibromoethane	11.462	107	258234	53.124	ug/l	100
64) Tetrachloroethene	11.045	164	302438	47.950	ug/l	100
65) Chlorobenzene	11.950	112	1127724	50.594	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.032	131	317150	52.106	ug/l	100
67) Ethyl Benzene	12.038	91	2061258	51.415	ug/l	100
68) m/p-Xylenes	12.167	106	1585075	101.049	ug/l	100
69) o-Xylene	12.538	106	790936	52.426	ug/l	100
70) Styrene	12.549	104	1364752	52.805	ug/l	100
71) Bromoform	12.743	173	177202	56.380	ug/l #	100
73) Isopropylbenzene	12.878	105	2091200	53.303	ug/l	100
74) N-amyl acetate	12.655	43	614559	57.228	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.160	83	378330	57.086	ug/l	100
76) 1,2,3-Trichloropropane	13.213	75	356225m	61.057	ug/l	
77) Bromobenzene	13.201	156	458418	54.635	ug/l	100
78) n-propylbenzene	13.266	91	2677121	52.988	ug/l	100
79) 2-Chlorotoluene	13.366	91	1467979	53.706	ug/l	100
80) 1,3,5-Trimethylbenzene	13.425	105	1848630	53.946	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.925	75	124143	54.309	ug/l	97
82) 4-Chlorotoluene	13.478	91	1589925	53.537	ug/l	100
83) tert-Butylbenzene	13.724	119	1671032	54.107	ug/l	100
84) 1,2,4-Trimethylbenzene	13.777	105	1887258	51.308	ug/l	100
85) sec-Butylbenzene	13.930	105	2575377	52.899	ug/l	100
86) p-Isopropyltoluene	14.053	119	2175744	50.741	ug/l	100
87) 1,3-Dichlorobenzene	14.059	146	1010177	49.756	ug/l	100
88) 1,4-Dichlorobenzene	14.147	146	1060119	49.465	ug/l	100
89) n-Butylbenzene	14.424	91	2343916	53.032	ug/l	100
90) Hexachloroethane	14.741	117	334610	49.940	ug/l	100
91) 1,2-Dichlorobenzene	14.482	146	966091	51.834	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	15.187	75	65080	53.189	ug/l	100
93) 1,2,4-Trichlorobenzene	16.010	180	699962	58.501	ug/l	100
94) Hexachlorobutadiene	16.133	225	305343	55.279	ug/l	100
95) Naphthalene	16.310	128	1330594	51.211	ug/l	100
96) 1,2,3-Trichlorobenzene	16.545	180	594450	58.444	ug/l	100

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

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