

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT120825\
 Data File : VT019244.D
 Acq On : 8 Dec 2025 11:28
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_T/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/11/2025
 Supervised By : Mahesh Dadoda 12/11/2025

Quant Time: Dec 09 01:01:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\82T120825S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 09 00:58:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.542	168	238959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.535	114	408359	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.714	117	353520	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.923	152	145138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.930	65	151056	49.082	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	98.160%		
35) Dibromofluoromethane	7.460	113	118714	49.369	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	98.740%		
50) Toluene-d8	10.215	98	515853	48.836	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	97.680%		
62) 4-Bromofluorobenzene	12.848	95	169607	54.752	ug/l	0.00
Spiked Amount 50.000	Range 52 - 138		Recovery =	109.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.866	85	99197m	41.642	ug/l	
3) Chloromethane	2.060	50	152140m	40.338	ug/l	
4) Vinyl Chloride	2.183	62	172957	43.285	ug/l	100
5) Bromomethane	2.512	94	133228m	44.887	ug/l	
6) Chloroethane	2.659	64	131609	42.021	ug/l	100
7) Trichlorofluoromethane	2.959	101	258229	44.017	ug/l	100
8) Diethyl Ether	3.329	74	105320	46.710	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.652	101	154248	44.938	ug/l	100
10) Methyl Iodide	3.834	142	148407	49.129	ug/l	100
11) Tert butyl alcohol	4.639	59	81668	244.210	ug/l	100
12) 1,1-Dichloroethene	3.629	96	159161	45.228	ug/l	100
13) Acrolein	3.511	56	9336	92.368	ug/l	100
14) Allyl chloride	4.181	41	307235	45.100	ug/l	100
15) Acrylonitrile	4.804	53	249974	262.899	ug/l	100
16) Acetone	3.705	43	333449	250.103	ug/l	100
17) Carbon Disulfide	3.928	76	457542	44.472	ug/l	100
18) Methyl Acetate	4.187	43	160387	60.785	ug/l	100
19) Methyl tert-butyl Ether	4.863	73	462365	50.433	ug/l	100
20) Methylene Chloride	4.393	84	190210	46.247	ug/l	100
21) trans-1,2-Dichloroethene	4.851	96	158776	47.115	ug/l	100
22) Diisopropyl ether	5.762	45	554580	47.537	ug/l	100
23) Vinyl Acetate	5.703	43	1239840	244.577	ug/l	100
24) 1,1-Dichloroethane	5.650	63	282076	46.440	ug/l	100
25) 2-Butanone	6.661	43	289658	213.691	ug/l	100
26) 2,2-Dichloropropane	6.643	77	207008	46.640	ug/l	100
27) cis-1,2-Dichloroethene	6.643	96	164231	46.652	ug/l	100
28) Bromochloromethane	7.037	49	134170	49.732	ug/l	100
29) Tetrahydrofuran	7.060	42	175182	259.919	ug/l	100
30) Chloroform	7.219	83	253451	46.390	ug/l	100
31) Cyclohexane	7.518	56	267637	43.383	ug/l	100
32) 1,1,1-Trichloroethane	7.436	97	204947	46.676	ug/l	100
36) 1,1-Dichloropropene	7.671	75	192923	45.630	ug/l	100
37) Ethyl Acetate	6.761	43	108746	50.210	ug/l	100
38) Carbon Tetrachloride	7.654	117	148954	48.284	ug/l	100
39) Methylcyclohexane	9.081	83	263313	46.573	ug/l	100
40) Benzene	7.941	78	613106	46.381	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.007	41	61499	51.766	ug/l	100
42) 1,2-Dichloroethane	8.030	62	166498	49.156	ug/l	100
43) Isopropyl Acetate	8.082	43	211352	52.171	ug/l	100
44) Trichloroethene	8.811	130	128287	46.152	ug/l	100
45) 1,2-Dichloropropane	9.128	63	146424	47.591	ug/l	100
46) Dibromomethane	9.222	93	69154	49.402	ug/l	100
47) Bromodichloromethane	9.440	83	184305	48.854	ug/l	100
48) Methyl methacrylate	9.222	41	102431	52.994	ug/l	100
49) 1,4-Dioxane	9.222	88	23742	948.712	ug/l	100
51) 4-Methyl-2-Pentanone	10.098	43	507531	254.114	ug/l	100
52) Toluene	10.292	92	377376	47.540	ug/l	100
53) t-1,3-Dichloropropene	10.544	75	179558	52.495	ug/l	100
54) cis-1,3-Dichloropropene	9.933	75	216411	50.010	ug/l	100
55) 1,1,2-Trichloroethane	10.750	97	100434	50.130	ug/l	100
56) Ethyl methacrylate	10.603	69	147555	54.644	ug/l	100
57) 1,3-Dichloropropane	10.915	76	181842	49.081	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.775	63	263174	60.121	ug/l	100
59) 2-Hexanone	10.967	43	361744	225.371	ug/l	100
60) Dibromochloromethane	11.138	129	108525	51.543	ug/l	100
61) 1,2-Dibromoethane	11.255	107	89023	52.780	ug/l	100
64) Tetrachloroethene	10.832	164	118842	44.881	ug/l	100
65) Chlorobenzene	11.743	112	372587	46.050	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.831	131	112277	48.465	ug/l	100
67) Ethyl Benzene	11.831	91	700207	44.958	ug/l	100
68) m/p-Xylenes	11.954	106	535119	89.353	ug/l	100
69) o-Xylene	12.331	106	258255	45.554	ug/l	100
70) Styrene	12.348	104	438117	46.229	ug/l	100
71) Bromoform	12.536	173	58037	53.145	ug/l #	100
73) Isopropylbenzene	12.671	105	662636	51.755	ug/l	100
74) N-amyl acetate	12.466	43	140522	59.547	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.965	83	113097	57.153	ug/l	100
76) 1,2,3-Trichloropropane	13.018	75	77046m	49.649	ug/l	
77) Bromobenzene	12.994	156	138714	52.533	ug/l	100
78) n-propylbenzene	13.059	91	802453	53.185	ug/l	100
79) 2-Chlorotoluene	13.159	91	445520	52.509	ug/l	100
80) 1,3,5-Trimethylbenzene	13.224	105	494629	50.004	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.730	75	31887	54.546	ug/l	100
82) 4-Chlorotoluene	13.271	91	468236	52.701	ug/l	100
83) tert-Butylbenzene	13.517	119	399812	45.012	ug/l	100
84) 1,2,4-Trimethylbenzene	13.570	105	496395	49.541	ug/l	100
85) sec-Butylbenzene	13.723	105	605987	45.341	ug/l	100
86) p-Isopropyltoluene	13.852	119	538928	47.823	ug/l	100
87) 1,3-Dichlorobenzene	13.852	146	256531	46.808	ug/l	100
88) 1,4-Dichlorobenzene	13.946	146	233320	44.808	ug/l	100
89) n-Butylbenzene	14.222	91	486184	45.759	ug/l	100
90) Hexachloroethane	14.534	117	67498	48.481	ug/l	100
91) 1,2-Dichlorobenzene	14.275	146	210467	44.869	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.975	75	13494	53.671	ug/l	100
93) 1,2,4-Trichlorobenzene	15.762	180	134834	43.777	ug/l	100
94) Hexachlorobutadiene	15.879	225	66867	42.385	ug/l	100
95) Naphthalene	16.050	128	245340	44.490	ug/l	100
96) 1,2,3-Trichlorobenzene	16.279	180	114901	43.626	ug/l	100

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

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