

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT120825\
 Data File : VT019242.D
 Acq On : 8 Dec 2025 10:34
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_T/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

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

Quant Time: Dec 09 01:00:18 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	200060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.541	114	348151	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.713	117	306440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.917	152	160363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.930	65	27593	10.709	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	21.420%#		
35) Dibromofluoromethane	7.465	113	21343	10.411	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	20.820%#		
50) Toluene-d8	10.215	98	95863	10.645	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	21.280%#		
62) 4-Bromofluorobenzene	12.847	95	35898	9.387	ug/l	0.00
Spiked Amount 50.000	Range 52 - 138		Recovery =	18.780%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.866	85	22244m	11.153	ug/l	
3) Chloromethane	2.066	50	35272	11.170	ug/l	97
4) Vinyl Chloride	2.189	62	36592	10.938	ug/l	99
5) Bromomethane	2.530	94	28900m	11.630	ug/l	
6) Chloroethane	2.671	64	28185	10.749	ug/l	98
7) Trichlorofluoromethane	2.965	101	51844	10.556	ug/l	99
8) Diethyl Ether	3.329	74	20331	10.770	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.652	101	30230	10.519	ug/l	98
10) Methyl Iodide	3.840	142	23989	9.486	ug/l	94
11) Tert butyl alcohol	4.639	59	15282	54.583	ug/l #	93
12) 1,1-Dichloroethene	3.635	96	30214	10.255	ug/l	96
13) Acrolein	3.517	56	5699	67.348	ug/l	99
14) Allyl chloride	4.181	41	61581	10.797	ug/l	99
15) Acrylonitrile	4.810	53	44631	56.065	ug/l	99
16) Acetone	3.717	43	100541	47.415	ug/l	98
17) Carbon Disulfide	3.934	76	91323	10.602	ug/l	95
18) Methyl Acetate	4.187	43	21169	9.583	ug/l	97
19) Methyl tert-butyl Ether	4.868	73	89352	11.641	ug/l	98
20) Methylene Chloride	4.393	84	41843	11.083	ug/l	99
21) trans-1,2-Dichloroethene	4.863	96	32625	11.563	ug/l	91
22) Diisopropyl ether	5.767	45	101787	10.421	ug/l	98
23) Vinyl Acetate	5.703	43	223623m	52.690	ug/l	
24) 1,1-Dichloroethane	5.656	63	53729	10.566	ug/l	99
25) 2-Butanone	6.666	43	68333	60.213	ug/l	94
26) 2,2-Dichloropropane	6.643	77	37084	9.980	ug/l	100
27) cis-1,2-Dichloroethene	6.643	96	30680	10.410	ug/l	96
28) Bromochloromethane	7.031	49	24243	10.733	ug/l	95
29) Tetrahydrofuran	7.060	42	30956	54.860	ug/l	98
30) Chloroform	7.225	83	49930	10.916	ug/l	94
31) Cyclohexane	7.524	56	56042	10.850	ug/l	95
32) 1,1,1-Trichloroethane	7.430	97	38165	10.382	ug/l	99
36) 1,1-Dichloropropene	7.671	75	38125	10.577	ug/l	98
37) Ethyl Acetate	6.772	43	19187	10.391	ug/l #	93
38) Carbon Tetrachloride	7.653	117	26090	9.920	ug/l	92
39) Methylcyclohexane	9.081	83	51144	10.610	ug/l	98
40) Benzene	7.935	78	117898	10.461	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.013	41	11063	10.923	ug/l	99
42) 1,2-Dichloroethane	8.029	62	30085	10.418	ug/l	100
43) Isopropyl Acetate	8.082	43	37152	10.757	ug/l	97
44) Trichloroethene	8.811	130	24279	10.245	ug/l	96
45) 1,2-Dichloropropane	9.128	63	27386	10.440	ug/l	95
46) Dibromomethane	9.222	93	12410	10.398	ug/l	99
47) Bromodichloromethane	9.445	83	32849	10.213	ug/l	99
48) Methyl methacrylate	9.222	41	17168	10.418	ug/l	97
49) 1,4-Dioxane	9.222	88	4316	202.289	ug/l	97
51) 4-Methyl-2-Pentanone	10.098	43	92134	54.108	ug/l	98
52) Toluene	10.292	92	70678	10.443	ug/l	97
53) t-1,3-Dichloropropene	10.544	75	30013	10.292	ug/l	99
54) cis-1,3-Dichloropropene	9.933	75	37191	10.081	ug/l	90
55) 1,1,2-Trichloroethane	10.756	97	18033	10.557	ug/l	96
56) Ethyl methacrylate	10.603	69	24087	10.463	ug/l	98
57) 1,3-Dichloropropane	10.914	76	33787	10.696	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.769	63	32327	8.662	ug/l	100
59) 2-Hexanone	10.967	43	80559	58.869	ug/l	100
60) Dibromochloromethane	11.138	129	18710	10.423	ug/l	99
61) 1,2-Dibromoethane	11.255	107	15628	10.868	ug/l	100
64) Tetrachloroethene	10.826	164	23168	10.094	ug/l	95
65) Chlorobenzene	11.743	112	73264	10.446	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.831	131	19685	9.803	ug/l	98
67) Ethyl Benzene	11.831	91	137742	10.203	ug/l	99
68) m/p-Xylenes	11.954	106	105140	20.253	ug/l	99
69) o-Xylene	12.330	106	50385	10.253	ug/l	100
70) Styrene	12.348	104	83451	10.158	ug/l	100
71) Bromoform	12.530	173	9323	9.849	ug/l #	97
73) Isopropylbenzene	12.671	105	132628	9.375	ug/l	98
74) N-amyl acetate	12.460	43	23856	9.149	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.965	83	21444	9.808	ug/l	97
76) 1,2,3-Trichloropropane	13.024	75	17048m	9.943	ug/l	
77) Bromobenzene	12.988	156	29005	9.942	ug/l	93
78) n-propylbenzene	13.059	91	160745	9.642	ug/l	100
79) 2-Chlorotoluene	13.159	91	92987	9.919	ug/l	100
80) 1,3,5-Trimethylbenzene	13.223	105	110610	10.120	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.724	75	4572	8.960	ug/l	98
82) 4-Chlorotoluene	13.270	91	97283	9.910	ug/l	98
83) tert-Butylbenzene	13.517	119	99510	10.140	ug/l	98
84) 1,2,4-Trimethylbenzene	13.570	105	109844	9.922	ug/l	99
85) sec-Butylbenzene	13.723	105	152202	10.307	ug/l	99
86) p-Isopropyltoluene	13.852	119	121904	9.790	ug/l	99
87) 1,3-Dichlorobenzene	13.852	146	61674	10.185	ug/l	99
88) 1,4-Dichlorobenzene	13.940	146	59742	10.384	ug/l	97
89) n-Butylbenzene	14.222	91	118291	10.076	ug/l	99
90) Hexachloroethane	14.528	117	14462	9.401	ug/l	99
91) 1,2-Dichlorobenzene	14.275	146	54777	10.569	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.974	75	2931	10.551	ug/l	91
93) 1,2,4-Trichlorobenzene	15.762	180	36649	10.769	ug/l	97
94) Hexachlorobutadiene	15.879	225	18747	10.755	ug/l	100
95) Naphthalene	16.050	128	64078	10.517	ug/l	100
96) 1,2,3-Trichlorobenzene	16.279	180	31130	10.698	ug/l	99

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

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