

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT120825\
 Data File : VT019241.D
 Acq On : 8 Dec 2025 10:10
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_T/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Dec 09 00:59:31 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	7.536	168	196718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.535	114	343327	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.713	117	293985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.917	152	140522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.918	65	13275	5.240	ug/l	-0.01
Spiked Amount 50.000	Range 63 - 155		Recovery =	10.480%#		
35) Dibromofluoromethane	7.453	113	9676	4.786	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	9.580%#		
50) Toluene-d8	10.215	98	44201	4.977	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	9.960%#		
62) 4-Bromofluorobenzene	12.847	95	21572	3.535	ug/l	0.00
Spiked Amount 50.000	Range 52 - 138		Recovery =	7.080%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.866	85	10595m	5.403	ug/l	
3) Chloromethane	2.060	50	18192m	5.859	ug/l	
4) Vinyl Chloride	2.183	62	17384	5.285	ug/l	98
5) Bromomethane	2.524	94	13788m	5.643	ug/l	
6) Chloroethane	2.671	64	12649	4.906	ug/l	96
7) Trichlorofluoromethane	2.970	101	24282	5.028	ug/l	94
8) Diethyl Ether	3.329	74	9668	5.209	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.658	101	14354	5.080	ug/l	100
10) Methyl Iodide	3.834	142	10586m	4.257	ug/l	
11) Tert butyl alcohol	4.627	59	8080	29.350	ug/l #	84
12) 1,1-Dichloroethene	3.634	96	15154	5.231	ug/l	94
13) Acrolein	3.517	56	3449	41.451	ug/l	100
14) Allyl chloride	4.181	41	29463	5.254	ug/l	98
15) Acrylonitrile	4.798	53	20734	26.488	ug/l	96
16) Acetone	3.705	43	63984	7.167	ug/l	91
17) Carbon Disulfide	3.928	76	45524	5.375	ug/l	98
18) Methyl Acetate	4.187	43	9682	4.457	ug/l	99
19) Methyl tert-butyl Ether	4.851	73	39372	5.217	ug/l	98
20) Methylene Chloride	4.392	84	25534	6.328	ug/l	98
21) trans-1,2-Dichloroethene	4.845	96	15177	5.471	ug/l	95
22) Diisopropyl ether	5.761	45	49631	5.168	ug/l	95
23) Vinyl Acetate	5.691	43	101247	24.261	ug/l	98
24) 1,1-Dichloroethane	5.650	63	25852	5.170	ug/l	97
25) 2-Butanone	6.654	43	31329	28.075	ug/l	94
26) 2,2-Dichloropropane	6.631	77	18326	5.015	ug/l #	73
27) cis-1,2-Dichloroethene	6.649	96	15096	5.209	ug/l	97
28) Bromochloromethane	7.030	49	11677	5.258	ug/l #	96
29) Tetrahydrofuran	7.060	42	13863	24.985	ug/l	98
30) Chloroform	7.218	83	22718	5.051	ug/l	96
31) Cyclohexane	7.518	56	29274	5.764	ug/l #	88
32) 1,1,1-Trichloroethane	7.424	97	18298	5.062	ug/l	97
36) 1,1-Dichloropropene	7.671	75	18514	5.208	ug/l	98
37) Ethyl Acetate	6.754	43	9048	4.969	ug/l	98
38) Carbon Tetrachloride	7.653	117	11933	4.601	ug/l #	88
39) Methylcyclohexane	9.075	83	23698	4.986	ug/l	99
40) Benzene	7.935	78	57342	5.160	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.001	41	4637	4.642	ug/l	96
42) 1,2-Dichloroethane	8.029	62	14184	4.981	ug/l	98
43) Isopropyl Acetate	8.076	43	15951	4.683	ug/l	99
44) Trichloroethene	8.805	130	12299	5.263	ug/l	97
45) 1,2-Dichloropropane	9.122	63	13055	5.047	ug/l	97
46) Dibromomethane	9.222	93	5531	4.700	ug/l	96
47) Bromodichloromethane	9.439	83	15288	4.820	ug/l	99
48) Methyl methacrylate	9.216	41	7685	4.729	ug/l	95
49) 1,4-Dioxane	9.222	88	2693	127.993	ug/l	87
51) 4-Methyl-2-Pentanone	10.097	43	41476	24.700	ug/l	100
52) Toluene	10.286	92	34818	5.217	ug/l	99
53) t-1,3-Dichloropropene	10.544	75	13037	4.533	ug/l	96
54) cis-1,3-Dichloropropene	9.927	75	17264	4.745	ug/l	95
55) 1,1,2-Trichloroethane	10.750	97	8353	4.959	ug/l	96
56) Ethyl methacrylate	10.597	69	9864	4.345	ug/l	97
57) 1,3-Dichloropropane	10.908	76	15399	4.944	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.768	63	15147	4.116	ug/l	96
59) 2-Hexanone	10.967	43	35238	26.112	ug/l	100
60) Dibromochloromethane	11.137	129	8314	4.697	ug/l	99
61) 1,2-Dibromoethane	11.255	107	6598	4.653	ug/l	98
64) Tetrachloroethene	10.820	164	10886	4.944	ug/l	92
65) Chlorobenzene	11.743	112	35648	5.298	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.831	131	8876	4.607	ug/l	94
67) Ethyl Benzene	11.831	91	64045	4.945	ug/l	98
68) m/p-Xylenes	11.954	106	50974	10.235	ug/l	97
69) o-Xylene	12.330	106	23695	5.026	ug/l	98
70) Styrene	12.342	104	39072	4.958	ug/l	98
71) Bromoform	12.530	173	4199	4.624	ug/l #	99
73) Isopropylbenzene	12.671	105	62812	5.067	ug/l	97
74) N-amyl acetate	12.465	43	9424	4.125	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.953	83	8634	4.506	ug/l	99
76) 1,2,3-Trichloropropane	13.018	75	7918m	5.270	ug/l	
77) Bromobenzene	12.988	156	13175	5.153	ug/l	96
78) n-propylbenzene	13.059	91	76401	5.230	ug/l	99
79) 2-Chlorotoluene	13.159	91	42895	5.222	ug/l	100
80) 1,3,5-Trimethylbenzene	13.217	105	50024	5.223	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.724	75	1944	5.461	ug/l	93
82) 4-Chlorotoluene	13.270	91	45302	5.266	ug/l	100
83) tert-Butylbenzene	13.517	119	47705	5.547	ug/l	100
84) 1,2,4-Trimethylbenzene	13.570	105	49924	5.146	ug/l	97
85) sec-Butylbenzene	13.717	105	70296	5.432	ug/l	99
86) p-Isopropyltoluene	13.852	119	55842	5.118	ug/l	99
87) 1,3-Dichlorobenzene	13.852	146	28395	5.351	ug/l	99
88) 1,4-Dichlorobenzene	13.940	146	28252	5.604	ug/l	95
89) n-Butylbenzene	14.222	91	52812	5.134	ug/l	98
90) Hexachloroethane	14.534	117	6303	4.676	ug/l	94
91) 1,2-Dichlorobenzene	14.275	146	24443	5.382	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.974	75	1009	4.145	ug/l	97
93) 1,2,4-Trichlorobenzene	15.756	180	15676	5.257	ug/l	99
94) Hexachlorobutadiene	15.879	225	8175	5.352	ug/l	98
95) Naphthalene	16.049	128	29358	5.499	ug/l	99
96) 1,2,3-Trichlorobenzene	16.284	180	13621	5.342	ug/l	97

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

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