

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT120825\
 Data File : VT019243.D
 Acq On : 8 Dec 2025 11:04
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_T/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

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

Quant Time: Dec 09 01:01:06 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	217942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.535	114	372436	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.714	117	326749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.917	152	140314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.930	65	52156	18.581	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	37.160%#		
35) Dibromofluoromethane	7.460	113	42461	19.361	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	38.720%#		
50) Toluene-d8	10.215	98	186312	19.339	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	38.680%#		
62) 4-Bromofluorobenzene	12.848	95	64218	19.459	ug/l	0.00
Spiked Amount 50.000	Range 52 - 138		Recovery =	38.920%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.872	85	43649m	20.090	ug/l	
3) Chloromethane	2.066	50	66646m	19.375	ug/l	
4) Vinyl Chloride	2.189	62	69148	18.974	ug/l	99
5) Bromomethane	2.518	94	53035m	19.592	ug/l	
6) Chloroethane	2.659	64	58174	20.365	ug/l	98
7) Trichlorofluoromethane	2.959	101	107981	20.181	ug/l	98
8) Diethyl Ether	3.329	74	40724	19.803	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.652	101	62265	19.889	ug/l	98
10) Methyl Iodide	3.834	142	50644	18.382	ug/l	98
11) Tert butyl alcohol	4.651	59	27816	91.199	ug/l	99
12) 1,1-Dichloroethene	3.635	96	63677	19.840	ug/l	96
13) Acrolein	3.511	56	12025	130.446	ug/l	99
14) Allyl chloride	4.181	41	120544	19.402	ug/l	99
15) Acrylonitrile	4.810	53	77960	89.898	ug/l	99
16) Acetone	3.711	43	183073	124.020	ug/l	98
17) Carbon Disulfide	3.928	76	183249	19.529	ug/l	100
18) Methyl Acetate	4.187	43	41142	17.096	ug/l	100
19) Methyl tert-butyl Ether	4.869	73	146036	17.465	ug/l	99
20) Methylene Chloride	4.399	84	76384	19.551	ug/l	94
21) trans-1,2-Dichloroethene	4.857	96	53576	17.431	ug/l	98
22) Diisopropyl ether	5.768	45	204051	19.177	ug/l	98
23) Vinyl Acetate	5.703	43	457154	98.877	ug/l	99
24) 1,1-Dichloroethane	5.650	63	105099	18.972	ug/l	99
25) 2-Butanone	6.661	43	127603	103.215	ug/l	99
26) 2,2-Dichloropropane	6.643	77	76236	18.833	ug/l	99
27) cis-1,2-Dichloroethene	6.643	96	60860	18.955	ug/l	99
28) Bromochloromethane	7.031	49	43640	17.736	ug/l #	99
29) Tetrahydrofuran	7.060	42	57228	93.098	ug/l	98
30) Chloroform	7.225	83	94264	18.917	ug/l	97
31) Cyclohexane	7.524	56	104778	18.622	ug/l	98
32) 1,1,1-Trichloroethane	7.436	97	75916	18.957	ug/l	98
36) 1,1-Dichloropropene	7.671	75	73484	19.057	ug/l	99
37) Ethyl Acetate	6.760	43	41110	20.812	ug/l	99
38) Carbon Tetrachloride	7.654	117	54650	19.424	ug/l	93
39) Methylcyclohexane	9.081	83	99343	19.266	ug/l	97
40) Benzene	7.936	78	232067	19.249	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.001	41	19613	18.101	ug/l	98
42) 1,2-Dichloroethane	8.035	62	60084	19.450	ug/l	100
43) Isopropyl Acetate	8.082	43	70503	19.082	ug/l	99
44) Trichloroethene	8.811	130	48831	19.262	ug/l	100
45) 1,2-Dichloropropane	9.122	63	54168	19.304	ug/l	99
46) Dibromomethane	9.228	93	25811	20.217	ug/l	96
47) Bromodichloromethane	9.440	83	66772	19.407	ug/l	96
48) Methyl methacrylate	9.216	41	32909	18.668	ug/l	98
49) 1,4-Dioxane	9.234	88	8029	351.778	ug/l	99
51) 4-Methyl-2-Pentanone	10.098	43	175813	96.518	ug/l	99
52) Toluene	10.286	92	141033	19.480	ug/l	98
53) t-1,3-Dichloropropene	10.544	75	60413	19.366	ug/l	97
54) cis-1,3-Dichloropropene	9.933	75	76040	19.267	ug/l	96
55) 1,1,2-Trichloroethane	10.750	97	36020	19.713	ug/l	99
56) Ethyl methacrylate	10.603	69	47751	19.389	ug/l	99
57) 1,3-Dichloropropane	10.915	76	65421	19.361	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.775	63	75469	18.903	ug/l	100
59) 2-Hexanone	10.967	43	155125	105.967	ug/l	99
60) Dibromochloromethane	11.138	129	37167	19.355	ug/l	100
61) 1,2-Dibromoethane	11.255	107	30261	19.672	ug/l	97
64) Tetrachloroethene	10.826	164	45506	18.594	ug/l	97
65) Chlorobenzene	11.743	112	144769	19.359	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.831	131	39758	18.568	ug/l	97
67) Ethyl Benzene	11.831	91	267162	18.559	ug/l	99
68) m/p-Xylenes	11.954	106	206408	37.289	ug/l	98
69) o-Xylene	12.331	106	98744	18.844	ug/l	99
70) Styrene	12.348	104	167235	19.092	ug/l	99
71) Bromoform	12.536	173	18879	18.704	ug/l #	99
73) Isopropylbenzene	12.671	105	261424	21.120	ug/l	99
74) N-amyl acetate	12.460	43	47095	20.643	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.959	83	40109	20.966	ug/l	97
76) 1,2,3-Trichloropropane	13.012	75	27078m	18.049	ug/l	
77) Bromobenzene	12.989	156	52377	20.518	ug/l	99
78) n-propylbenzene	13.059	91	273680	18.762	ug/l	100
79) 2-Chlorotoluene	13.159	91	150210	18.312	ug/l	98
80) 1,3,5-Trimethylbenzene	13.218	105	180196	18.843	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.730	75	9191	17.781	ug/l	91
82) 4-Chlorotoluene	13.271	91	157888	18.382	ug/l	100
83) tert-Butylbenzene	13.517	119	167596	19.517	ug/l	99
84) 1,2,4-Trimethylbenzene	13.570	105	187852	19.392	ug/l	96
85) sec-Butylbenzene	13.723	105	252739	19.560	ug/l	99
86) p-Isopropyltoluene	13.852	119	208133	19.104	ug/l	99
87) 1,3-Dichlorobenzene	13.852	146	98735	18.635	ug/l	98
88) 1,4-Dichlorobenzene	13.940	146	97260	19.321	ug/l	99
89) n-Butylbenzene	14.222	91	205263	19.983	ug/l	100
90) Hexachloroethane	14.528	117	26241	19.496	ug/l	99
91) 1,2-Dichlorobenzene	14.269	146	90884	20.042	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.980	75	4810	19.789	ug/l	99
93) 1,2,4-Trichlorobenzene	15.762	180	61237	20.566	ug/l	98
94) Hexachlorobutadiene	15.885	225	31806	20.854	ug/l	97
95) Naphthalene	16.050	128	106872	20.046	ug/l	98
96) 1,2,3-Trichlorobenzene	16.279	180	53471	21.000	ug/l	99

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

