

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121025\
 Data File : VY023926.D
 Acq On : 10 Dec 2025 08:58
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Dec 11 03:01:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:01:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	560264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	825039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	668576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	323387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	15650	2.916	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	5.840%#
35) Dibromofluoromethane	7.640	113	16980	3.267	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	6.540%#
50) Toluene-d8	10.115	98	64258	3.198	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	6.400%#
62) 4-Bromofluorobenzene	12.413	95	25421	3.711	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	7.420%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	11191	2.719	ug/l	91
3) Chloromethane	2.080	50	13435	2.324	ug/l	99
4) Vinyl Chloride	2.214	62	16106	2.409	ug/l	90
5) Bromomethane	2.610	94	15529	3.137	ug/l	100
6) Chloroethane	2.744	64	12041	2.628	ug/l	97
7) Trichlorofluoromethane	3.067	101	25549	2.693	ug/l	96
8) Diethyl Ether	3.470	74	6356	2.263	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.829	101	14744	2.601	ug/l	97
10) Methyl Iodide	4.018	142	14463	2.508	ug/l	96
11) Tert butyl alcohol	4.878	59	3214m	7.399	ug/l	
12) 1,1-Dichloroethene	3.805	96	13788	2.607	ug/l	93
13) Acrolein	3.659	56	9419	25.728	ug/l	93
14) Allyl chloride	4.403	41	15770	1.925	ug/l	96
15) Acrylonitrile	5.079	53	11414	9.504	ug/l	97
16) Acetone	3.884	43	23418	14.493	ug/l	99
17) Carbon Disulfide	4.122	76	34123	2.226	ug/l #	93
18) Methyl Acetate	4.403	43	4624	1.700	ug/l	96
19) Methyl tert-butyl Ether	5.134	73	25166	1.904	ug/l	93
20) Methylene Chloride	4.622	84	23175	3.465	ug/l	96
21) trans-1,2-Dichloroethene	5.134	96	14339	2.459	ug/l	98
22) Diisopropyl ether	6.036	45	31994	1.764	ug/l	96
23) Vinyl Acetate	5.982	43	80232	8.013	ug/l #	94
24) 1,1-Dichloroethane	5.933	63	25604	2.414	ug/l	94
25) 2-Butanone	6.914	43	15122	7.854	ug/l	92
26) 2,2-Dichloropropane	6.902	77	23612	2.403	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	16692	2.459	ug/l	99
28) Bromochloromethane	7.256	49	12776	3.363	ug/l	98
29) Tetrahydrofuran	7.280	42	7057	7.144	ug/l	99
30) Chloroform	7.426	83	26681	2.456	ug/l	94
31) Cyclohexane	7.713	56	28906	2.878	ug/l #	58
32) 1,1,1-Trichloroethane	7.628	97	25528	2.592	ug/l	98
36) 1,1-Dichloropropene	7.847	75	18514	2.412	ug/l	96
37) Ethyl Acetate	7.006	43	6626	1.913	ug/l #	78
38) Carbon Tetrachloride	7.823	117	23046	2.673	ug/l	96
39) Methylcyclohexane	9.115	83	23766	2.380	ug/l	97
40) Benzene	8.091	78	56336	2.427	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.243	41	2870m	1.606	ug/l	
42) 1,2-Dichloroethane	8.170	62	14324	2.363	ug/l	98
43) Isopropyl Acetate	8.207	43	10713	1.647	ug/l	96
44) Trichloroethene	8.871	130	16723	2.744	ug/l	97
45) 1,2-Dichloropropane	9.152	63	11881	2.178	ug/l	97
46) Dibromomethane	9.243	93	7037	2.346	ug/l	98
47) Bromodichloromethane	9.432	83	18561	2.350	ug/l #	93
48) Methyl methacrylate	9.231	41	5003	1.654	ug/l	99
49) 1,4-Dioxane	9.237	88	1320	39.881	ug/l #	70
51) 4-Methyl-2-Pentanone	10.005	43	25829	7.580	ug/l	99
52) Toluene	10.176	92	33151	2.262	ug/l	94
53) t-1,3-Dichloropropene	10.401	75	14122	1.994	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	17699	2.125	ug/l	96
55) 1,1,2-Trichloroethane	10.578	97	9048	2.234	ug/l	96
56) Ethyl methacrylate	10.444	69	7786	1.529	ug/l	99
57) 1,3-Dichloropropane	10.725	76	15257	2.209	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	29464	13.826	ug/l	99
59) 2-Hexanone	10.767	43	17992	7.005	ug/l	99
60) Dibromochloromethane	10.914	129	13297	2.426	ug/l	100
61) 1,2-Dibromoethane	11.023	107	7929	2.145	ug/l	89
64) Tetrachloroethene	10.651	164	18943	2.864	ug/l	96
65) Chlorobenzene	11.444	112	40166	2.639	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.523	131	13671	2.626	ug/l	98
67) Ethyl Benzene	11.523	91	61301	2.350	ug/l	99
68) m/p-Xylenes	11.633	106	46229	4.608	ug/l	99
69) o-Xylene	11.962	106	21445	2.284	ug/l	98
70) Styrene	11.974	104	31312	2.025	ug/l	97
71) Bromoform	12.139	173	6975	2.356	ug/l #	99
73) Isopropylbenzene	12.261	105	55479	2.337	ug/l	100
74) N-amyl acetate	12.078	43	6160	1.237	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.511	83	8204	2.163	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	6509m	2.096	ug/l	
77) Bromobenzene	12.535	156	14713	2.638	ug/l	96
78) n-propylbenzene	12.602	91	65658	2.306	ug/l	99
79) 2-Chlorotoluene	12.688	91	38580	2.383	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	42806	2.224	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.310	75	2652	2.030	ug/l	97
82) 4-Chlorotoluene	12.785	91	39550	2.362	ug/l	99
83) tert-Butylbenzene	12.999	119	41822	2.408	ug/l	97
84) 1,2,4-Trimethylbenzene	13.047	105	41567	2.184	ug/l	100
85) sec-Butylbenzene	13.181	105	58136	2.259	ug/l	100
86) p-Isopropyltoluene	13.297	119	45915	2.148	ug/l	96
87) 1,3-Dichlorobenzene	13.291	146	29521	2.645	ug/l	98
88) 1,4-Dichlorobenzene	13.370	146	30391	2.781	ug/l	89
89) n-Butylbenzene	13.620	91	42998	2.197	ug/l	97
90) Hexachloroethane	13.883	117	11825	2.636	ug/l	96
91) 1,2-Dichlorobenzene	13.663	146	25267	2.609	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.291	75	1292	2.188	ug/l	85
93) 1,2,4-Trichlorobenzene	14.931	180	12185	2.135	ug/l	99
94) Hexachlorobutadiene	15.029	225	9808	2.722	ug/l	94
95) Naphthalene	15.151	128	15348	1.651	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	10099	2.084	ug/l	99

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

