

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121025\
 Data File : VY023935.D
 Acq On : 10 Dec 2025 13:11
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

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

Quant Time: Dec 11 03:46:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:41:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	550166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	778493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	678023	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	355217	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	612884	125.997	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 252.000%#	
35) Dibromofluoromethane	7.640	113	683899	134.390	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 268.780%#	
50) Toluene-d8	10.109	98	2585031	136.437	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 272.880%#	
62) 4-Bromofluorobenzene	12.407	95	860852	136.053	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 272.100%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.873	85	567578	148.767	ug/l	100
3) Chloromethane	2.074	50	712706	145.413	ug/l	97
4) Vinyl Chloride	2.214	62	919257	151.784	ug/l	99
5) Bromomethane	2.598	94	733318	142.218	ug/l	100
6) Chloroethane	2.738	64	629431	147.505	ug/l	99
7) Trichlorofluoromethane	3.062	101	1324063	145.215	ug/l	100
8) Diethyl Ether	3.464	74	341074	136.164	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.824	101	752713	141.653	ug/l	100
10) Methyl Iodide	4.013	142	940732	143.758	ug/l	100
11) Tert butyl alcohol	4.872	59	172812	613.520	ug/l	98
12) 1,1-Dichloroethene	3.799	96	737926	147.803	ug/l	99
13) Acrolein	3.659	56	348054	772.598	ug/l	100
14) Allyl chloride	4.391	41	952540	149.107	ug/l	99
15) Acrylonitrile	5.067	53	656584	657.899	ug/l	100
16) Acetone	3.872	43	850500	740.247	ug/l	100
17) Carbon Disulfide	4.116	76	2095414	158.042	ug/l	100
18) Methyl Acetate	4.391	43	283772	128.940	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	1671514	140.001	ug/l	97
20) Methylene Chloride	4.622	84	742488	129.749	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	801384	146.214	ug/l	97
22) Diisopropyl ether	6.024	45	2114937	145.390	ug/l	98
23) Vinyl Acetate	5.970	43	5876308	727.031	ug/l	99
24) 1,1-Dichloroethane	5.921	63	1306419	144.086	ug/l	99
25) 2-Butanone	6.902	43	976364	649.503	ug/l	98
26) 2,2-Dichloropropane	6.890	77	1248403	147.462	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	925640	147.117	ug/l	100
28) Bromochloromethane	7.250	49	499972	146.371	ug/l	99
29) Tetrahydrofuran	7.268	42	512720	668.779	ug/l	99
30) Chloroform	7.427	83	1383701	139.708	ug/l	99
31) Cyclohexane	7.707	56	1194301	143.168	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	1319639	143.683	ug/l	99
36) 1,1-Dichloropropene	7.841	75	1032023	148.961	ug/l	99
37) Ethyl Acetate	6.988	43	376695	133.523	ug/l	99
38) Carbon Tetrachloride	7.823	117	1227964	146.229	ug/l	98
39) Methylcyclohexane	9.115	83	1442596	155.853	ug/l	98
40) Benzene	8.085	78	3077622	145.874	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	223579	144.057	ug/l	92
42) 1,2-Dichloroethane	8.164	62	766261	138.499	ug/l	100
43) Isopropyl Acetate	8.201	43	749274	141.017	ug/l	99
44) Trichloroethene	8.872	130	887706	145.111	ug/l	100
45) 1,2-Dichloropropane	9.146	63	683270	143.539	ug/l	100
46) Dibromomethane	9.237	93	392623	140.041	ug/l	99
47) Bromodichloromethane	9.426	83	1040854	141.124	ug/l	98
48) Methyl methacrylate	9.225	41	368745	149.077	ug/l	99
49) 1,4-Dioxane	9.231	88	82215	2630.383	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	1950492	692.843	ug/l	98
52) Toluene	10.176	92	2077175	148.787	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	953833	149.653	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	1124092	149.667	ug/l	97
55) 1,1,2-Trichloroethane	10.579	97	524504	135.923	ug/l	99
56) Ethyl methacrylate	10.444	69	699916	153.000	ug/l	99
57) 1,3-Dichloropropane	10.719	76	871108	139.577	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	1563271	788.914	ug/l	99
59) 2-Hexanone	10.761	43	1503759	703.804	ug/l	99
60) Dibromochloromethane	10.914	129	758492	141.972	ug/l	98
61) 1,2-Dibromoethane	11.017	107	497350	139.088	ug/l	99
64) Tetrachloroethene	10.652	164	1006823	138.225	ug/l	96
65) Chlorobenzene	11.444	112	2262369	143.999	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	785081	142.482	ug/l	99
67) Ethyl Benzene	11.523	91	3976083	151.045	ug/l	98
68) m/p-Xylenes	11.633	106	3144174	300.883	ug/l	99
69) o-Xylene	11.956	106	1494554	152.889	ug/l	100
70) Styrene	11.975	104	2437322	154.339	ug/l	99
71) Bromoform	12.133	173	450443	138.718	ug/l #	98
73) Isopropylbenzene	12.255	105	3891499	149.905	ug/l	99
74) N-amyl acetate	12.072	43	723959	157.222	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	532959	134.830	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	365375m	121.223	ug/l	
77) Bromobenzene	12.536	156	913723	141.854	ug/l	99
78) n-propylbenzene	12.596	91	4494949	148.822	ug/l	99
79) 2-Chlorotoluene	12.682	91	2506761	146.108	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	3108868	150.112	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	189522	143.571	ug/l	97
82) 4-Chlorotoluene	12.779	91	2561903	145.051	ug/l	100
83) tert-Butylbenzene	12.999	119	2932715	153.261	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	3087755	150.503	ug/l	100
85) sec-Butylbenzene	13.176	105	4155333	148.864	ug/l	100
86) p-Isopropyltoluene	13.291	119	3586308	151.785	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	1801833	144.046	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	1713721	138.984	ug/l	100
89) n-Butylbenzene	13.621	91	3206436	155.113	ug/l	100
90) Hexachloroethane	13.883	117	703213	145.853	ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	1509965	139.324	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	80557	131.625	ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	998993	156.833	ug/l	100
94) Hexachlorobutadiene	15.029	225	620011	148.496	ug/l	99
95) Naphthalene	15.151	128	1588786	161.310	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	839718	154.918	ug/l	99

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

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