

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121025\
 Data File : VY023930.D
 Acq On : 10 Dec 2025 10:29
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

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

Quant Time: Dec 11 03:44:17 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	544798	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	770805	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	671754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	344869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	424207	88.068	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 176.140%#	
35) Dibromofluoromethane	7.640	113	453524	90.009	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 180.020%#	
50) Toluene-d8	10.109	98	1736931	92.589	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 185.180%#	
62) 4-Bromofluorobenzene	12.408	95	570715	91.098	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 182.200%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	374046	99.006	ug/l	99
3) Chloromethane	2.074	50	497706	102.547	ug/l	98
4) Vinyl Chloride	2.214	62	641557	106.975	ug/l	100
5) Bromomethane	2.598	94	482587	94.514	ug/l	99
6) Chloroethane	2.745	64	440725	104.300	ug/l	98
7) Trichlorofluoromethane	3.068	101	927543	102.729	ug/l	99
8) Diethyl Ether	3.464	74	255002	102.806	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	533583	101.404	ug/l	99
10) Methyl Iodide	4.013	142	695995	107.386	ug/l	99
11) Tert butyl alcohol	4.872	59	130057	466.280	ug/l	98
12) 1,1-Dichloroethene	3.799	96	525215	106.234	ug/l	98
13) Acrolein	3.659	56	236063	529.167	ug/l	99
14) Allyl chloride	4.397	41	698557	110.427	ug/l	99
15) Acrylonitrile	5.067	53	497682	503.593	ug/l	99
16) Acetone	3.879	43	588855	506.317	ug/l	100
17) Carbon Disulfide	4.116	76	1510859	115.076	ug/l	100
18) Methyl Acetate	4.391	43	217452	99.779	ug/l	99
19) Methyl tert-butyl Ether	5.128	73	1241927	105.045	ug/l	97
20) Methylene Chloride	4.622	84	526380	92.890	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	576582	106.235	ug/l	99
22) Diisopropyl ether	6.031	45	1571651	109.107	ug/l	97
23) Vinyl Acetate	5.970	43	4420619	552.319	ug/l	99
24) 1,1-Dichloroethane	5.927	63	949749	105.781	ug/l	99
25) 2-Butanone	6.903	43	696883	468.153	ug/l	97
26) 2,2-Dichloropropane	6.890	77	881907	105.198	ug/l	100
27) cis-1,2-Dichloroethene	6.903	96	666069	106.905	ug/l	100
28) Bromochloromethane	7.250	49	363375	107.429	ug/l	98
29) Tetrahydrofuran	7.268	42	396461	522.229	ug/l	99
30) Chloroform	7.427	83	1004444	102.415	ug/l	98
31) Cyclohexane	7.707	56	869328	105.238	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	940345	103.394	ug/l	100
36) 1,1-Dichloropropene	7.841	75	742831	108.289	ug/l	99
37) Ethyl Acetate	6.994	43	287978	103.094	ug/l	99
38) Carbon Tetrachloride	7.823	117	871470	104.812	ug/l	99
39) Methylcyclohexane	9.116	83	1033665	112.788	ug/l	99
40) Benzene	8.085	78	2237501	107.112	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	164042	106.750	ug/l	96
42) 1,2-Dichloroethane	8.165	62	566250	103.368	ug/l	99
43) Isopropyl Acetate	8.201	43	562868	106.991	ug/l	99
44) Trichloroethene	8.872	130	640140	105.686	ug/l	99
45) 1,2-Dichloropropane	9.146	63	500327	106.155	ug/l	99
46) Dibromomethane	9.237	93	289462	104.275	ug/l	99
47) Bromodichloromethane	9.426	83	760962	104.204	ug/l	100
48) Methyl methacrylate	9.225	41	280661	114.598	ug/l	99
49) 1,4-Dioxane	9.231	88	61901	2000.211	ug/l	99
51) 4-Methyl-2-Pentanone	10.000	43	1466545	526.134	ug/l	99
52) Toluene	10.176	92	1485004	107.431	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	696257	110.330	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	821602	110.483	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	387924	101.532	ug/l	98
56) Ethyl methacrylate	10.445	69	519799	114.760	ug/l	99
57) 1,3-Dichloropropane	10.719	76	640733	103.689	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	1023941	521.892	ug/l	100
59) 2-Hexanone	10.762	43	1071941	506.704	ug/l	99
60) Dibromochloromethane	10.914	129	546331	103.280	ug/l	98
61) 1,2-Dibromoethane	11.018	107	362393	102.357	ug/l	99
64) Tetrachloroethene	10.652	164	724901	100.449	ug/l	97
65) Chlorobenzene	11.444	112	1621888	104.196	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	564417	103.390	ug/l	99
67) Ethyl Benzene	11.524	91	2838663	108.843	ug/l	99
68) m/p-Xylenes	11.633	106	2250360	217.359	ug/l	99
69) o-Xylene	11.957	106	1055734	109.007	ug/l	99
70) Styrene	11.975	104	1730932	110.631	ug/l	99
71) Bromoform	12.133	173	324370	100.825	ug/l #	98
73) Isopropylbenzene	12.255	105	2774932	110.101	ug/l	100
74) N-amyl acetate	12.072	43	527462	117.986	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	391425	101.996	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	317415m	108.471	ug/l	
77) Bromobenzene	12.536	156	650727	104.056	ug/l	99
78) n-propylbenzene	12.597	91	3227485	110.064	ug/l	100
79) 2-Chlorotoluene	12.682	91	1800818	108.111	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	2224048	110.610	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	138326	107.932	ug/l	98
82) 4-Chlorotoluene	12.780	91	1835844	107.061	ug/l	100
83) tert-Butylbenzene	12.999	119	2040369	109.827	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	2175944	109.242	ug/l	100
85) sec-Butylbenzene	13.176	105	2947470	108.761	ug/l	100
86) p-Isopropyltoluene	13.292	119	2510830	109.456	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	1265255	104.184	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	1218161	101.758	ug/l	100
89) n-Butylbenzene	13.621	91	2233659	111.297	ug/l	100
90) Hexachloroethane	13.883	117	494823	105.710	ug/l	100
91) 1,2-Dichlorobenzene	13.664	146	1079519	102.596	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	60483	101.791	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	661243	106.924	ug/l	100
94) Hexachlorobutadiene	15.023	225	411063	101.406	ug/l	99
95) Naphthalene	15.145	128	1061310	110.988	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	546684	103.883	ug/l	99

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

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