

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121025\
 Data File : VY023927.D
 Acq On : 10 Dec 2025 09:21
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

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

Quant Time: Dec 11 03:02:47 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	7.720	168	583735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	831431	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	699725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	348565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	35192	6.293	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	12.580%#		
35) Dibromofluoromethane	7.646	113	39919	7.622	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	15.240%#		
50) Toluene-d8	10.109	98	141676	6.997	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	14.000%#		
62) 4-Bromofluorobenzene	12.408	95	47079	6.820	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	13.640%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	47371	11.047	ug/l	98
3) Chloromethane	2.080	50	55744	9.255	ug/l	97
4) Vinyl Chloride	2.214	62	70353	10.100	ug/l	98
5) Bromomethane	2.611	94	57217	11.094	ug/l	100
6) Chloroethane	2.745	64	49354	10.339	ug/l	97
7) Trichlorofluoromethane	3.068	101	109740	11.100	ug/l	96
8) Diethyl Ether	3.464	74	26971	9.218	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.830	101	64185	10.868	ug/l	99
10) Methyl Iodide	4.019	142	62594	10.419	ug/l	99
11) Tert butyl alcohol	4.891	59	13779	30.443	ug/l	98
12) 1,1-Dichloroethene	3.806	96	57188	10.379	ug/l	95
13) Acrolein	3.659	56	16103	42.217	ug/l	95
14) Allyl chloride	4.403	41	70296	8.236	ug/l	98
15) Acrylonitrile	5.080	53	48874	39.060	ug/l	97
16) Acetone	3.879	43	84135	49.976	ug/l	99
17) Carbon Disulfide	4.117	76	140355	8.787	ug/l	98
18) Methyl Acetate	4.397	43	20203	7.130	ug/l	99
19) Methyl tert-butyl Ether	5.128	73	127105	9.230	ug/l	93
20) Methylene Chloride	4.629	84	67693	9.714	ug/l	97
21) trans-1,2-Dichloroethene	5.128	96	61847	10.181	ug/l	94
22) Diisopropyl ether	6.031	45	163873	8.674	ug/l	94
23) Vinyl Acetate	5.976	43	417344	40.006	ug/l	97
24) 1,1-Dichloroethane	5.927	63	109608	9.917	ug/l	98
25) 2-Butanone	6.909	43	78940	39.352	ug/l	97
26) 2,2-Dichloropropane	6.890	77	103265	10.087	ug/l	99
27) cis-1,2-Dichloroethene	6.903	96	73779	10.430	ug/l	98
28) Bromochloromethane	7.256	49	24572	6.208	ug/l	98
29) Tetrahydrofuran	7.281	42	36458	35.423	ug/l	98
30) Chloroform	7.427	83	119968	10.598	ug/l	97
31) Cyclohexane	7.713	56	95833	9.159	ug/l #	95
32) 1,1,1-Trichloroethane	7.628	97	110746	10.792	ug/l	99
36) 1,1-Dichloropropene	7.841	75	82781	10.702	ug/l	99
37) Ethyl Acetate	7.000	43	28797	8.251	ug/l	99
38) Carbon Tetrachloride	7.823	117	102384	11.784	ug/l	95
39) Methylcyclohexane	9.116	83	104301	10.364	ug/l	96
40) Benzene	8.091	78	249526	10.667	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	12753	7.080	ug/l #	80
42) 1,2-Dichloroethane	8.165	62	61921	10.135	ug/l	99
43) Isopropyl Acetate	8.201	43	54336	8.289	ug/l	98
44) Trichloroethene	8.872	130	73230	11.925	ug/l	99
45) 1,2-Dichloropropane	9.146	63	57068	10.383	ug/l	95
46) Dibromomethane	9.238	93	32119	10.626	ug/l	98
47) Bromodichloromethane	9.433	83	86096	10.815	ug/l	98
48) Methyl methacrylate	9.225	41	23565	7.729	ug/l	96
49) 1,4-Dioxane	9.244	88	6197	185.790	ug/l #	91
51) 4-Methyl-2-Pentanone	10.006	43	139665	40.674	ug/l	100
52) Toluene	10.176	92	159257	10.784	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	68805	9.642	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	84565	10.077	ug/l	97
55) 1,1,2-Trichloroethane	10.579	97	42024	10.298	ug/l	99
56) Ethyl methacrylate	10.445	69	42325	8.246	ug/l	99
57) 1,3-Dichloropropane	10.719	76	69865	10.040	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	67878	31.607	ug/l	98
59) 2-Hexanone	10.768	43	107509	41.537	ug/l	98
60) Dibromochloromethane	10.914	129	60504	10.953	ug/l	99
61) 1,2-Dibromoethane	11.018	107	39369	10.567	ug/l	100
64) Tetrachloroethene	10.652	164	86823	12.545	ug/l	97
65) Chlorobenzene	11.444	112	177623	11.151	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	64154	11.772	ug/l	99
67) Ethyl Benzene	11.524	91	295411	10.820	ug/l	100
68) m/p-Xylenes	11.633	106	235222	22.404	ug/l	100
69) o-Xylene	11.957	106	107807	10.973	ug/l	99
70) Styrene	11.975	104	170459	10.533	ug/l	99
71) Bromoform	12.139	173	34955	11.282	ug/l #	99
73) Isopropylbenzene	12.255	105	293894	11.488	ug/l	100
74) N-amyl acetate	12.072	43	39489	7.357	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.511	83	39588	9.685	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	28059m	8.385	ug/l	
77) Bromobenzene	12.536	156	70911	11.798	ug/l	97
78) n-propylbenzene	12.597	91	337491	10.999	ug/l	99
79) 2-Chlorotoluene	12.682	91	190630	10.923	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	234214	11.292	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	13561	9.630	ug/l	99
82) 4-Chlorotoluene	12.780	91	196995	10.915	ug/l	99
83) tert-Butylbenzene	12.999	119	218170	11.654	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	227245	11.079	ug/l	98
85) sec-Butylbenzene	13.176	105	315488	11.375	ug/l	100
86) p-Isopropyltoluene	13.292	119	259747	11.274	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	137952	11.465	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	132379	11.237	ug/l	96
89) n-Butylbenzene	13.621	91	218905	10.376	ug/l	99
90) Hexachloroethane	13.883	117	54182	11.204	ug/l	98
91) 1,2-Dichlorobenzene	13.664	146	118826	11.383	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5478	8.607	ug/l	96
93) 1,2,4-Trichlorobenzene	14.926	180	60133	9.776	ug/l	98
94) Hexachlorobutadiene	15.029	225	45090	11.609	ug/l	99
95) Naphthalene	15.145	128	79996	7.986	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	50442	9.659	ug/l	99

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

