

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121025\
 Data File : VY023934.D
 Acq On : 10 Dec 2025 12:02
 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 03:45:53 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	490096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	732414	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	621277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	321203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	26397	6.092	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	12.180%#
35) Dibromofluoromethane	7.640	113	26527	5.541	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	11.080%#
50) Toluene-d8	10.109	98	94921	5.325	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	10.660%#
62) 4-Bromofluorobenzene	12.408	95	32277	5.422	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	10.840%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	15543	4.573	ug/l	100
3) Chloromethane	2.074	50	20861	4.778	ug/l	93
4) Vinyl Chloride	2.208	62	23135	4.288	ug/l	94
5) Bromomethane	2.605	94	23477	5.111	ug/l	92
6) Chloroethane	2.745	64	16634	4.376	ug/l	100
7) Trichlorofluoromethane	3.068	101	36382	4.479	ug/l	100
8) Diethyl Ether	3.458	74	10725	4.806	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	21701	4.584	ug/l	98
10) Methyl Iodide	4.013	142	18597	3.109	ug/l	99
11) Tert butyl alcohol	4.879	59	7135	28.436	ug/l #	88
12) 1,1-Dichloroethene	3.806	96	19474	4.379	ug/l	86
13) Acrolein	3.665	56	10750	26.787	ug/l	95
14) Allyl chloride	4.391	41	23678	4.161	ug/l	98
15) Acrylonitrile	5.080	53	21897	24.630	ug/l	97
16) Acetone	3.879	43	39756	3.398	ug/l	97
17) Carbon Disulfide	4.110	76	45754	3.874	ug/l	97
18) Methyl Acetate	4.397	43	10803	5.510	ug/l #	73
19) Methyl tert-butyl Ether	5.122	73	46784	4.399	ug/l	94
20) Methylene Chloride	4.623	84	29507	5.788	ug/l	88
21) trans-1,2-Dichloroethene	5.116	96	21817	4.468	ug/l #	83
22) Diisopropyl ether	6.025	45	51883	4.004	ug/l	88
23) Vinyl Acetate	5.976	43	146499	20.347	ug/l	96
24) 1,1-Dichloroethane	5.927	63	34730	4.300	ug/l	98
25) 2-Butanone	6.903	43	33352	24.906	ug/l	90
26) 2,2-Dichloropropane	6.890	77	32371	4.292	ug/l	98
27) cis-1,2-Dichloroethene	6.903	96	23682	4.225	ug/l	97
28) Bromochloromethane	7.250	49	19267	6.332	ug/l	100
29) Tetrahydrofuran	7.275	42	15784	23.112	ug/l	92
30) Chloroform	7.427	83	39514	4.479	ug/l	95
31) Cyclohexane	7.707	56	35222	4.740	ug/l #	72
32) 1,1,1-Trichloroethane	7.622	97	35774	4.373	ug/l	98
36) 1,1-Dichloropropene	7.841	75	26755	4.105	ug/l	98
37) Ethyl Acetate	6.994	43	12776	4.813	ug/l	100
38) Carbon Tetrachloride	7.823	117	33021	4.180	ug/l	96
39) Methylcyclohexane	9.110	83	33641	3.863	ug/l	95
40) Benzene	8.085	78	82866	4.175	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	7263m	4.974	ug/l	
42) 1,2-Dichloroethane	8.165	62	23153	4.448	ug/l	99
43) Isopropyl Acetate	8.207	43	22070	4.415	ug/l	94
44) Trichloroethene	8.872	130	24818	4.312	ug/l	94
45) 1,2-Dichloropropane	9.146	63	19020	4.247	ug/l	94
46) Dibromomethane	9.238	93	11416	4.328	ug/l	95
47) Bromodichloromethane	9.427	83	30611	4.411	ug/l	98
48) Methyl methacrylate	9.225	41	9006	3.870	ug/l	87
49) 1,4-Dioxane	9.238	88	2993	101.782	ug/l #	86
51) 4-Methyl-2-Pentanone	10.000	43	56839	21.460	ug/l	100
52) Toluene	10.176	92	52310	3.983	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	23858	3.979	ug/l	90
54) cis-1,3-Dichloropropene	9.859	75	27633	3.911	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	16724	4.607	ug/l	94
56) Ethyl methacrylate	10.445	69	16329	3.794	ug/l	96
57) 1,3-Dichloropropane	10.719	76	25485	4.340	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	38904	20.868	ug/l	98
59) 2-Hexanone	10.762	43	42038	20.913	ug/l	98
60) Dibromochloromethane	10.914	129	21954	4.368	ug/l	99
61) 1,2-Dibromoethane	11.018	107	15234	4.528	ug/l	99
64) Tetrachloroethene	10.652	164	29159	4.369	ug/l	93
65) Chlorobenzene	11.445	112	62343	4.331	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.518	131	21584	4.275	ug/l	97
67) Ethyl Benzene	11.518	91	95082	3.942	ug/l	98
68) m/p-Xylenes	11.634	106	74935	7.826	ug/l	99
69) o-Xylene	11.957	106	34889	3.895	ug/l	96
70) Styrene	11.975	104	53523	3.699	ug/l	98
71) Bromoform	12.133	173	13972	4.696	ug/l #	97
73) Isopropylbenzene	12.255	105	91069	3.880	ug/l	99
74) N-amyl acetate	12.072	43	15057	3.616	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.505	83	16289	4.557	ug/l	95
76) 1,2,3-Trichloropropane	12.560	75	13842m	5.079	ug/l	
77) Bromobenzene	12.536	156	25779	4.426	ug/l	96
78) n-propylbenzene	12.597	91	106208	3.889	ug/l	99
79) 2-Chlorotoluene	12.682	91	61625	3.972	ug/l	95
80) 1,3,5-Trimethylbenzene	12.737	105	69918	3.733	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	4977	4.170	ug/l	93
82) 4-Chlorotoluene	12.780	91	66425	4.159	ug/l	96
83) tert-Butylbenzene	12.999	119	66159	3.824	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	69445	3.743	ug/l	99
85) sec-Butylbenzene	13.176	105	99402	3.938	ug/l	99
86) p-Isopropyltoluene	13.292	119	82686	3.870	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	49569	4.382	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	51394	4.609	ug/l	94
89) n-Butylbenzene	13.621	91	73525	3.933	ug/l	97
90) Hexachloroethane	13.883	117	18767	4.305	ug/l	98
91) 1,2-Dichlorobenzene	13.664	146	45242	4.617	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2834	5.121	ug/l	95
93) 1,2,4-Trichlorobenzene	14.926	180	25721	4.466	ug/l	96
94) Hexachlorobutadiene	15.023	225	17765	4.705	ug/l	96
95) Naphthalene	15.145	128	38729	4.349	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	23261	4.746	ug/l	99

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

