

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
 Data File : VY023867.D
 Acq On : 03 Dec 2025 13:42
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Quant Time: Dec 04 01:37:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 01:33:58 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/04/2025
 Supervised By : Semsettin Yesilyurt 12/04/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	485243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	770133	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	632996	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	302515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	22630	4.557	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	9.120%#
35) Dibromofluoromethane	7.634	113	21854	4.317	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	8.640%#
50) Toluene-d8	10.109	98	87605	4.510	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	9.020%#
62) 4-Bromofluorobenzene	12.408	95	32244	4.947	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	9.900%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	12900	3.650	ug/l	93
3) Chloromethane	2.074	50	17750	3.522	ug/l	98
4) Vinyl Chloride	2.208	62	19943	3.432	ug/l	98
5) Bromomethane	2.611	94	17251	4.108	ug/l	97
6) Chloroethane	2.745	64	13252	3.393	ug/l	96
7) Trichlorofluoromethane	3.068	101	27935	3.485	ug/l	89
8) Diethyl Ether	3.458	74	7673	3.163	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	18130	3.782	ug/l	100
10) Methyl Iodide	4.007	142	12963	2.668	ug/l	97
11) Tert butyl alcohol	4.842	59	9195m	27.150	ug/l	
12) 1,1-Dichloroethene	3.800	96	15654	3.441	ug/l	80
13) Acrolein	3.659	56	4732	15.033	ug/l	98
14) Allyl chloride	4.397	41	23351	3.210	ug/l	99
15) Acrylonitrile	5.074	53	17061	16.108	ug/l #	87
16) Acetone	3.873	43	26735	18.827	ug/l	100
17) Carbon Disulfide	4.117	76	41696	3.099	ug/l	98
18) Methyl Acetate	4.397	43	7707	3.193	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	34739	3.033	ug/l	91
20) Methylene Chloride	4.623	84	28319	5.031	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	16198	3.245	ug/l	98
22) Diisopropyl ether	6.025	45	46476	2.902	ug/l #	85
23) Vinyl Acetate	5.970	43	123173	13.834	ug/l	99
24) 1,1-Dichloroethane	5.927	63	31093	3.362	ug/l	98
25) 2-Butanone	6.909	43	31653	18.473	ug/l	91
26) 2,2-Dichloropropane	6.884	77	33670	4.052	ug/l	94
27) cis-1,2-Dichloroethene	6.897	96	18903	3.248	ug/l	87
28) Bromochloromethane	7.250	49	19867	5.659	ug/l	96
29) Tetrahydrofuran	7.274	42	12295	13.869	ug/l	99
30) Chloroform	7.427	83	32898	3.539	ug/l	93
31) Cyclohexane	7.707	56	34657	3.929	ug/l #	61
32) 1,1,1-Trichloroethane	7.622	97	27698	3.312	ug/l	96
36) 1,1-Dichloropropene	7.841	75	22073	3.124	ug/l	98
37) Ethyl Acetate	6.994	43	10132m	3.117	ug/l	
38) Carbon Tetrachloride	7.823	117	26064	3.364	ug/l	93
39) Methylcyclohexane	9.110	83	28462	3.092	ug/l	94
40) Benzene	8.085	78	69301	3.247	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	5361m	3.269	ug/l	
42) 1,2-Dichloroethane	8.165	62	17446	3.106	ug/l	99
43) Isopropyl Acetate	8.207	43	17400	2.818	ug/l #	87
44) Trichloroethene	8.866	130	18824	3.446	ug/l	97
45) 1,2-Dichloropropane	9.146	63	16774	3.304	ug/l	100
46) Dibromomethane	9.231	93	8609	3.139	ug/l	98
47) Bromodichloromethane	9.427	83	22428	3.088	ug/l	95
48) Methyl methacrylate	9.231	41	7125	2.457	ug/l #	87
49) 1,4-Dioxane	9.238	88	1845	61.387	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	42893	13.274	ug/l	98
52) Toluene	10.170	92	39071	2.919	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	18068	2.760	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	22439	2.915	ug/l	94
55) 1,1,2-Trichloroethane	10.579	97	11965	3.243	ug/l	94
56) Ethyl methacrylate	10.445	69	11102	2.337	ug/l	97
57) 1,3-Dichloropropane	10.719	76	19426	3.065	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.713	63	23213	10.926	ug/l	98
59) 2-Hexanone	10.762	43	31887	13.050	ug/l	96
60) Dibromochloromethane	10.914	129	14890	3.012	ug/l	96
61) 1,2-Dibromoethane	11.018	107	10164	2.996	ug/l	97
64) Tetrachloroethene	10.652	164	19884	3.318	ug/l	97
65) Chlorobenzene	11.444	112	45690	3.254	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.518	131	15587	3.248	ug/l	98
67) Ethyl Benzene	11.518	91	72334	2.987	ug/l	99
68) m/p-Xylenes	11.633	106	53945	5.828	ug/l	97
69) o-Xylene	11.957	106	24297	2.792	ug/l	100
70) Styrene	11.975	104	40004	2.805	ug/l	99
71) Bromoform	12.133	173	8526	3.120	ug/l #	98
73) Isopropylbenzene	12.255	105	64173	2.969	ug/l	100
74) N-amyl acetate	12.072	43	11935	2.530	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	11265	3.203	ug/l	94
76) 1,2,3-Trichloropropane	12.560	75	9474m	2.113	ug/l	
77) Bromobenzene	12.536	156	16757	3.324	ug/l	100
78) n-propylbenzene	12.597	91	81300	3.134	ug/l	99
79) 2-Chlorotoluene	12.682	91	47877	3.242	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	51761	2.964	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	4030	3.267	ug/l	96
82) 4-Chlorotoluene	12.780	91	49348	3.229	ug/l	97
83) tert-Butylbenzene	12.999	119	47521	3.009	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	51218	2.949	ug/l	100
85) sec-Butylbenzene	13.176	105	69906	2.981	ug/l	98
86) p-Isopropyltoluene	13.292	119	56002	2.883	ug/l	98
87) 1,3-Dichlorobenzene	13.286	146	34809	3.458	ug/l	96
88) 1,4-Dichlorobenzene	13.365	146	35675	3.588	ug/l	94
89) n-Butylbenzene	13.621	91	55168	3.062	ug/l	99
90) Hexachloroethane	13.883	117	13544	3.316	ug/l	99
91) 1,2-Dichlorobenzene	13.664	146	30160	3.442	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2025	3.650	ug/l	82
93) 1,2,4-Trichlorobenzene	14.919	180	17254	3.325	ug/l	97
94) Hexachlorobutadiene	15.023	225	11916	3.643	ug/l	98
95) Naphthalene	15.145	128	24030	2.797	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	15302	3.453	ug/l	99

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

