

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121025\
 Data File : VY023928.D
 Acq On : 10 Dec 2025 09:44
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

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

Quant Time: Dec 11 03:42:42 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	7.719	168	507708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	722353	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	614309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	317711	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	103890	23.144	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	46.280%#
35) Dibromofluoromethane	7.646	113	110654	23.434	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	46.860%#
50) Toluene-d8	10.109	98	409951	23.319	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	46.640%#
62) 4-Bromofluorobenzene	12.407	95	134753	22.952	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	45.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	76085	21.610	ug/l	98
3) Chloromethane	2.074	50	90879	20.093	ug/l	99
4) Vinyl Chloride	2.214	62	114611	20.507	ug/l	100
5) Bromomethane	2.604	94	99352	20.879	ug/l	98
6) Chloroethane	2.745	64	82059	20.838	ug/l	97
7) Trichlorofluoromethane	3.068	101	179955	21.387	ug/l	99
8) Diethyl Ether	3.464	74	49358	21.353	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.830	101	104825	21.377	ug/l	99
10) Methyl Iodide	4.019	142	110130	18.164	ug/l	100
11) Tert butyl alcohol	4.878	59	27666	106.434	ug/l	98
12) 1,1-Dichloroethene	3.805	96	96594	20.965	ug/l	99
13) Acrolein	3.659	56	38778	93.276	ug/l	98
14) Allyl chloride	4.397	41	124952	21.195	ug/l	98
15) Acrylonitrile	5.073	53	99321	107.843	ug/l	100
16) Acetone	3.878	43	156718	117.870	ug/l	97
17) Carbon Disulfide	4.116	76	235524	19.249	ug/l	99
18) Methyl Acetate	4.397	43	41012	20.193	ug/l	99
19) Methyl tert-butyl Ether	5.128	73	232898	21.138	ug/l	98
20) Methylene Chloride	4.628	84	110891	20.999	ug/l	99
21) trans-1,2-Dichloroethene	5.128	96	104702	20.701	ug/l	99
22) Diisopropyl ether	6.031	45	292296	21.774	ug/l	97
23) Vinyl Acetate	5.976	43	800822	107.365	ug/l	99
24) 1,1-Dichloroethane	5.927	63	181430	21.683	ug/l	97
25) 2-Butanone	6.908	43	159315	114.843	ug/l	95
26) 2,2-Dichloropropane	6.896	77	166850	21.357	ug/l	100
27) cis-1,2-Dichloroethene	6.902	96	123179	21.215	ug/l	99
28) Bromochloromethane	7.256	49	60057	19.053	ug/l	99
29) Tetrahydrofuran	7.274	42	74701	105.587	ug/l	98
30) Chloroform	7.433	83	197603	21.620	ug/l	100
31) Cyclohexane	7.713	56	158099	20.537	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	183152	21.609	ug/l	99
36) 1,1-Dichloropropene	7.847	75	138356	21.522	ug/l	99
37) Ethyl Acetate	7.000	43	56031	21.404	ug/l	99
38) Carbon Tetrachloride	7.829	117	169803	21.792	ug/l	97
39) Methylcyclohexane	9.115	83	176603	20.562	ug/l	99
40) Benzene	8.091	78	420644	21.487	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	30782	21.375	ug/l #	89
42) 1,2-Dichloroethane	8.164	62	110040	21.435	ug/l	99
43) Isopropyl Acetate	8.207	43	105039	21.305	ug/l	96
44) Trichloroethene	8.872	130	122111	21.512	ug/l	97
45) 1,2-Dichloropropane	9.146	63	96130	21.764	ug/l	97
46) Dibromomethane	9.237	93	55963	21.512	ug/l	98
47) Bromodichloromethane	9.426	83	147911	21.613	ug/l	99
48) Methyl methacrylate	9.225	41	46215	20.136	ug/l	94
49) 1,4-Dioxane	9.237	88	12185	420.144	ug/l #	95
51) 4-Methyl-2-Pentanone	10.005	43	286730	109.766	ug/l	99
52) Toluene	10.176	92	273770	21.134	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	127430	21.547	ug/l	94
54) cis-1,3-Dichloropropene	9.865	75	149428	21.442	ug/l	95
55) 1,1,2-Trichloroethane	10.579	97	78608	21.954	ug/l	97
56) Ethyl methacrylate	10.444	69	89804	21.157	ug/l	97
57) 1,3-Dichloropropane	10.719	76	126466	21.838	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	187929	102.210	ug/l	98
59) 2-Hexanone	10.768	43	227007	114.503	ug/l	100
60) Dibromochloromethane	10.914	129	108414	21.870	ug/l	100
61) 1,2-Dibromoethane	11.017	107	71260	21.477	ug/l	100
64) Tetrachloroethene	10.652	164	147992	22.425	ug/l	98
65) Chlorobenzene	11.444	112	305109	21.434	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	109395	21.913	ug/l	99
67) Ethyl Benzene	11.523	91	507535	21.280	ug/l	99
68) m/p-Xylenes	11.633	106	407095	42.998	ug/l	100
69) o-Xylene	11.956	106	188067	21.234	ug/l	99
70) Styrene	11.975	104	310597	21.708	ug/l	99
71) Bromoform	12.133	173	64848	22.042	ug/l #	98
73) Isopropylbenzene	12.255	105	506742	21.825	ug/l	100
74) N-amyl acetate	12.072	43	84876	20.609	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	75982	21.491	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	64200m	23.815	ug/l	
77) Bromobenzene	12.535	156	122766	21.309	ug/l	98
78) n-propylbenzene	12.596	91	587106	21.733	ug/l	100
79) 2-Chlorotoluene	12.682	91	332304	21.655	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	405253	21.878	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	25102	21.261	ug/l	98
82) 4-Chlorotoluene	12.779	91	343896	21.769	ug/l	99
83) tert-Butylbenzene	12.999	119	368578	21.535	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	398895	21.738	ug/l	100
85) sec-Butylbenzene	13.176	105	545692	21.857	ug/l	100
86) p-Isopropyltoluene	13.291	119	454486	21.506	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	241617	21.596	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	238078	21.588	ug/l	99
89) n-Butylbenzene	13.621	91	389648	21.075	ug/l	99
90) Hexachloroethane	13.883	117	92596	21.472	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	207675	21.424	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	11416	20.855	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	113937	19.999	ug/l	97
94) Hexachlorobutadiene	15.029	225	75956	20.339	ug/l	99
95) Naphthalene	15.145	128	165896	18.832	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	94979	19.591	ug/l	99

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

