

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121025\
 Data File : VY023933.D
 Acq On : 10 Dec 2025 11:39
 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 03:45:06 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	514914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	753135	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	638832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	335461	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	49754	10.929	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	21.860%#
35) Dibromofluoromethane	7.640	113	52671	10.699	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	21.400%#
50) Toluene-d8	10.109	98	196891	10.742	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	21.480%#
62) 4-Bromofluorobenzene	12.407	95	67282	10.992	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	21.980%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.873	85	35484	9.937	ug/l	94
3) Chloromethane	2.074	50	46638	10.167	ug/l	99
4) Vinyl Chloride	2.208	62	54309	9.581	ug/l	95
5) Bromomethane	2.604	94	53374	11.060	ug/l	98
6) Chloroethane	2.744	64	39883	9.986	ug/l	92
7) Trichlorofluoromethane	3.068	101	84717	9.927	ug/l	96
8) Diethyl Ether	3.458	74	23346	9.958	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.817	101	50704	10.195	ug/l	98
10) Methyl Iodide	4.012	142	44164	7.132	ug/l	99
11) Tert butyl alcohol	4.872	59	14040	53.258	ug/l #	71
12) 1,1-Dichloroethene	3.799	96	45314	9.698	ug/l	99
13) Acrolein	3.665	56	24919	59.101	ug/l	94
14) Allyl chloride	4.397	41	55494	9.282	ug/l	99
15) Acrylonitrile	5.073	53	47891	51.272	ug/l	99
16) Acetone	3.878	43	83751	44.412	ug/l	99
17) Carbon Disulfide	4.116	76	110280	8.887	ug/l	100
18) Methyl Acetate	4.390	43	20556	9.980	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	112881	10.102	ug/l	100
20) Methylene Chloride	4.628	84	55089	10.286	ug/l	94
21) trans-1,2-Dichloroethene	5.122	96	49641	9.677	ug/l	90
22) Diisopropyl ether	6.030	45	132270	9.715	ug/l	95
23) Vinyl Acetate	5.969	43	360128	47.606	ug/l	100
24) 1,1-Dichloroethane	5.927	63	83531	9.843	ug/l	97
25) 2-Butanone	6.902	43	75416	53.603	ug/l	98
26) 2,2-Dichloropropane	6.890	77	77936	9.836	ug/l	100
27) cis-1,2-Dichloroethene	6.902	96	57578	9.778	ug/l	100
28) Bromochloromethane	7.256	49	31738	9.928	ug/l	95
29) Tetrahydrofuran	7.268	42	36618	51.034	ug/l	100
30) Chloroform	7.427	83	95068	10.256	ug/l	95
31) Cyclohexane	7.707	56	74302	9.517	ug/l #	86
32) 1,1,1-Trichloroethane	7.622	97	85884	9.991	ug/l	100
36) 1,1-Dichloropropene	7.847	75	61791	9.219	ug/l	98
37) Ethyl Acetate	6.994	43	26675	9.774	ug/l	97
38) Carbon Tetrachloride	7.823	117	79132	9.740	ug/l	96
39) Methylcyclohexane	9.115	83	80511	8.991	ug/l	98
40) Benzene	8.085	78	196271	9.616	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.231	41	13242	8.819	ug/l #	66
42) 1,2-Dichloroethane	8.164	62	54725	10.224	ug/l	99
43) Isopropyl Acetate	8.201	43	49222	9.576	ug/l	99
44) Trichloroethene	8.865	130	57358	9.692	ug/l	99
45) 1,2-Dichloropropane	9.146	63	45008	9.773	ug/l	97
46) Dibromomethane	9.237	93	27347	10.083	ug/l	98
47) Bromodichloromethane	9.426	83	70953	9.944	ug/l	98
48) Methyl methacrylate	9.225	41	22772	9.516	ug/l	97
49) 1,4-Dioxane	9.231	88	6120	202.396	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	132729	48.735	ug/l	100
52) Toluene	10.176	92	133861	9.911	ug/l	99
53) t-1,3-Dichloropropene	10.395	75	57073	9.256	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	69259	9.532	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	37659	10.088	ug/l	97
56) Ethyl methacrylate	10.444	69	39697	8.970	ug/l	96
57) 1,3-Dichloropropane	10.719	76	60505	10.021	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	99207	51.751	ug/l	100
59) 2-Hexanone	10.761	43	104677	50.642	ug/l	99
60) Dibromochloromethane	10.914	129	50690	9.807	ug/l	96
61) 1,2-Dibromoethane	11.017	107	34679	10.025	ug/l	99
64) Tetrachloroethene	10.652	164	68972	10.050	ug/l	94
65) Chlorobenzene	11.444	112	147825	9.986	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	52828	10.176	ug/l	98
67) Ethyl Benzene	11.523	91	237941	9.594	ug/l	99
68) m/p-Xylenes	11.633	106	189155	19.212	ug/l	100
69) o-Xylene	11.956	106	87313	9.480	ug/l	100
70) Styrene	11.974	104	137717	9.256	ug/l	100
71) Bromoform	12.133	173	30195	9.869	ug/l #	98
73) Isopropylbenzene	12.255	105	227303	9.272	ug/l	99
74) N-amyl acetate	12.072	43	37534	8.631	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	39257	10.516	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	26616m	9.351	ug/l	
77) Bromobenzene	12.535	156	61007	10.029	ug/l	97
78) n-propylbenzene	12.596	91	264579	9.276	ug/l	99
79) 2-Chlorotoluene	12.682	91	157285	9.707	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	184594	9.438	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	12426	9.968	ug/l	96
82) 4-Chlorotoluene	12.779	91	160874	9.645	ug/l	98
83) tert-Butylbenzene	12.999	119	170914	9.458	ug/l	99
84) 1,2,4-Trimethylbenzene	13.047	105	185568	9.578	ug/l	99
85) sec-Butylbenzene	13.175	105	248670	9.433	ug/l	100
86) p-Isopropyltoluene	13.291	119	210618	9.439	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	116905	9.896	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	118476	10.174	ug/l	99
89) n-Butylbenzene	13.621	91	178174	9.127	ug/l	99
90) Hexachloroethane	13.883	117	44400	9.751	ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	102649	10.029	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6056	10.478	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	58492	9.724	ug/l	99
94) Hexachlorobutadiene	15.023	225	40431	10.254	ug/l	99
95) Naphthalene	15.145	128	88512	9.516	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	51242	10.010	ug/l	99

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

