

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121025\
 Data File : VY023929.D
 Acq On : 10 Dec 2025 10:06
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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

Quant Time: Dec 11 03:43:30 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	590721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	830437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	720782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	370187	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	211761	40.545	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.100%		
35) Dibromofluoromethane	7.640	113	231867	42.713	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.420%		
50) Toluene-d8	10.109	98	868450	42.970	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	85.940%		
62) 4-Bromofluorobenzene	12.408	95	287131	42.541	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	85.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	210816	51.463	ug/l	100
3) Chloromethane	2.074	50	270547	51.410	ug/l	100
4) Vinyl Chloride	2.214	62	350266	53.864	ug/l	100
5) Bromomethane	2.604	94	258699	46.727	ug/l	100
6) Chloroethane	2.745	64	242353	52.895	ug/l	100
7) Trichlorofluoromethane	3.068	101	512357	52.334	ug/l	100
8) Diethyl Ether	3.464	74	139777	51.971	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.824	101	295643	51.817	ug/l	100
10) Methyl Iodide	4.019	142	389964	55.450	ug/l	100
11) Tert butyl alcohol	4.872	59	74286	245.625	ug/l	100
12) 1,1-Dichloroethene	3.799	96	283733	52.929	ug/l	100
13) Acrolein	3.659	56	87703	181.314	ug/l	100
14) Allyl chloride	4.397	41	370950	54.081	ug/l	100
15) Acrylonitrile	5.074	53	275002	256.635	ug/l	100
16) Acetone	3.879	43	352481	262.756	ug/l	100
17) Carbon Disulfide	4.116	76	832565	58.483	ug/l	100
18) Methyl Acetate	4.397	43	122043	51.647	ug/l	100
19) Methyl tert-butyl Ether	5.128	73	685441	53.469	ug/l	100
20) Methylene Chloride	4.628	84	297983	48.497	ug/l	100
21) trans-1,2-Dichloroethene	5.128	96	313800	53.323	ug/l	100
22) Diisopropyl ether	6.031	45	842372	53.933	ug/l	100
23) Vinyl Acetate	5.970	43	2356919	271.584	ug/l	100
24) 1,1-Dichloroethane	5.927	63	512623	52.656	ug/l	100
25) 2-Butanone	6.902	43	395826	245.237	ug/l	100
26) 2,2-Dichloropropane	6.896	77	479511	52.752	ug/l	100
27) cis-1,2-Dichloroethene	6.902	96	360279	53.330	ug/l	100
28) Bromochloromethane	7.256	49	135356	36.906	ug/l	100
29) Tetrahydrofuran	7.274	42	218721	265.708	ug/l	100
30) Chloroform	7.427	83	554126	52.108	ug/l	100
31) Cyclohexane	7.707	56	477708	53.334	ug/l	100
32) 1,1,1-Trichloroethane	7.628	97	519726	52.703	ug/l	100
36) 1,1-Dichloropropene	7.841	75	408348	55.254	ug/l	100
37) Ethyl Acetate	6.994	43	160801	53.432	ug/l	100
38) Carbon Tetrachloride	7.829	117	482584	53.873	ug/l	100
39) Methylcyclohexane	9.116	83	559473	56.663	ug/l	100
40) Benzene	8.085	78	1221410	54.272	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	84980	51.330	ug/l	100
42) 1,2-Dichloroethane	8.164	62	312553	52.959	ug/l	100
43) Isopropyl Acetate	8.201	43	307239	54.207	ug/l	100
44) Trichloroethene	8.872	130	348631	53.425	ug/l	100
45) 1,2-Dichloropropane	9.146	63	270785	53.327	ug/l	100
46) Dibromomethane	9.237	93	160626	53.708	ug/l	100
47) Bromodichloromethane	9.426	83	416896	52.989	ug/l	100
48) Methyl methacrylate	9.225	41	148779	56.386	ug/l	100
49) 1,4-Dioxane	9.237	88	34773	1042.937	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	820713	273.294	ug/l	100
52) Toluene	10.176	92	811186	54.470	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	374044	55.015	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	436629	54.499	ug/l	100
55) 1,1,2-Trichloroethane	10.579	97	216254	52.536	ug/l	100
56) Ethyl methacrylate	10.445	69	272973	55.939	ug/l	100
57) 1,3-Dichloropropane	10.719	76	356337	53.524	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	535034	253.119	ug/l	100
59) 2-Hexanone	10.762	43	600454	263.452	ug/l	100
60) Dibromochloromethane	10.914	129	305733	53.647	ug/l	100
61) 1,2-Dibromoethane	11.018	107	203526	53.358	ug/l	100
64) Tetrachloroethene	10.652	164	415818	53.700	ug/l	100
65) Chlorobenzene	11.444	112	886523	53.080	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	306930	52.399	ug/l	100
67) Ethyl Benzene	11.524	91	1529137	54.643	ug/l	100
68) m/p-Xylenes	11.633	106	1213240	109.214	ug/l	100
69) o-Xylene	11.956	106	572576	55.098	ug/l	100
70) Styrene	11.975	104	935133	55.703	ug/l	100
71) Bromoform	12.133	173	179295	51.940	ug/l #	100
73) Isopropylbenzene	12.255	105	1495142	55.266	ug/l	100
74) N-amyl acetate	12.072	43	277172	57.759	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.511	83	214936	52.176	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	148739m	47.352	ug/l	
77) Bromobenzene	12.536	156	355842	53.010	ug/l	100
78) n-propylbenzene	12.597	91	1755195	55.762	ug/l	100
79) 2-Chlorotoluene	12.682	91	980636	54.846	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1196537	55.438	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	73588	53.492	ug/l	100
82) 4-Chlorotoluene	12.779	91	991740	53.880	ug/l	100
83) tert-Butylbenzene	12.999	119	1089564	54.637	ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	1187602	55.545	ug/l	100
85) sec-Butylbenzene	13.176	105	1594354	54.808	ug/l	100
86) p-Isopropyltoluene	13.292	119	1354639	55.015	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	685657	52.597	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	666376	51.858	ug/l	100
89) n-Butylbenzene	13.621	91	1184660	54.991	ug/l	100
90) Hexachloroethane	13.883	117	266521	53.043	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	591713	52.389	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	31567	49.493	ug/l	100
93) 1,2,4-Trichlorobenzene	14.925	180	338483	50.990	ug/l	100
94) Hexachlorobutadiene	15.029	225	220293	50.628	ug/l	100
95) Naphthalene	15.145	128	539821	52.592	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	282063	49.933	ug/l	100

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

