

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
 Data File : VY023870.D
 Acq On : 03 Dec 2025 14:50
 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 : John Carlone 12/04/2025
 Supervised By : Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:39:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:37:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	500292	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	761100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	659081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	346280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	242926	48.539	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.080%		
35) Dibromofluoromethane	7.640	113	238696	48.898	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.800%		
50) Toluene-d8	10.109	98	934302	49.185	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.360%		
62) 4-Bromofluorobenzene	12.408	95	311056	48.009	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.020%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	211266	55.830	ug/l	100
3) Chloromethane	2.074	50	299851	55.549	ug/l	100
4) Vinyl Chloride	2.208	62	352920	57.318	ug/l	100
5) Bromomethane	2.605	94	226762	51.006	ug/l	100
6) Chloroethane	2.739	64	230195	55.143	ug/l	100
7) Trichlorofluoromethane	3.062	101	474840	55.154	ug/l	100
8) Diethyl Ether	3.458	74	139841	54.218	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	279306	54.147	ug/l	100
10) Methyl Iodide	4.013	142	324558	56.414	ug/l	100
11) Tert butyl alcohol	4.860	59	90452	251.425	ug/l	100
12) 1,1-Dichloroethene	3.799	96	269447	55.906	ug/l	100
13) Acrolein	3.653	56	52583	168.296	ug/l	100
14) Allyl chloride	4.391	41	431324	55.975	ug/l	100
15) Acrylonitrile	5.068	53	308182	274.533	ug/l	100
16) Acetone	3.873	43	383779	255.907	ug/l	100
17) Carbon Disulfide	4.110	76	870120	61.104	ug/l	100
18) Methyl Acetate	4.391	43	137981	54.243	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	671751	55.486	ug/l	100
20) Methylene Chloride	4.622	84	290883	53.999	ug/l	100
21) trans-1,2-Dichloroethene	5.122	96	299126	56.253	ug/l	100
22) Diisopropyl ether	6.025	45	945908	55.752	ug/l	100
23) Vinyl Acetate	5.970	43	2692096	286.247	ug/l	100
24) 1,1-Dichloroethane	5.921	63	533267	54.398	ug/l	100
25) 2-Butanone	6.896	43	468169	258.962	ug/l	100
26) 2,2-Dichloropropane	6.890	77	469449	52.249	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	338779	54.866	ug/l	100
28) Bromochloromethane	7.250	49	220658	58.910	ug/l	100
29) Tetrahydrofuran	7.268	42	264550	282.949	ug/l	100
30) Chloroform	7.427	83	530633	53.567	ug/l	100
31) Cyclohexane	7.707	56	526142	56.135	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	484349	54.165	ug/l	100
36) 1,1-Dichloropropene	7.841	75	409369	56.873	ug/l	100
37) Ethyl Acetate	6.988	43	186029	55.969	ug/l	100
38) Carbon Tetrachloride	7.823	117	439435	55.315	ug/l	100
39) Methylcyclohexane	9.109	83	559705	59.738	ug/l	100
40) Benzene	8.085	78	1222341	56.182	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	97243m	56.744	ug/l	
42) 1,2-Dichloroethane	8.158	62	311867	54.932	ug/l	100
43) Isopropyl Acetate	8.201	43	347002	55.799	ug/l	100
44) Trichloroethene	8.866	130	312511	55.824	ug/l	100
45) 1,2-Dichloropropane	9.140	63	284261	55.181	ug/l	100
46) Dibromomethane	9.231	93	153815	55.152	ug/l	100
47) Bromodichloromethane	9.427	83	403233	54.802	ug/l	100
48) Methyl methacrylate	9.219	41	170617	58.727	ug/l	100
49) 1,4-Dioxane	9.231	88	34732	1120.011	ug/l	100
51) 4-Methyl-2-Pentanone	10.000	43	942369	288.179	ug/l	100
52) Toluene	10.170	92	775238	56.900	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	375381	56.526	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	441548	56.463	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	206945	54.969	ug/l	100
56) Ethyl methacrylate	10.439	69	283075	51.379	ug/l	100
57) 1,3-Dichloropropane	10.719	76	360829	55.646	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	650281	270.791	ug/l	100
59) 2-Hexanone	10.762	43	695740	282.099	ug/l	100
60) Dibromochloromethane	10.914	129	277647	55.000	ug/l	100
61) 1,2-Dibromoethane	11.018	107	192648	56.150	ug/l	100
64) Tetrachloroethene	10.646	164	359396	55.723	ug/l	100
65) Chlorobenzene	11.444	112	822706	54.689	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	280546	54.659	ug/l	100
67) Ethyl Benzene	11.518	91	1485579	57.123	ug/l	100
68) m/p-Xylenes	11.627	106	1139947	114.680	ug/l	100
69) o-Xylene	11.957	106	536516	57.706	ug/l	100
70) Styrene	11.969	104	879821	57.406	ug/l	100
71) Bromoform	12.133	173	158496	54.653	ug/l	100
73) Isopropylbenzene	12.255	105	1427981	55.971	ug/l	100
74) N-amyl acetate	12.072	43	318349	57.575	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	217767	52.904	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	171638m	49.998	ug/l	
77) Bromobenzene	12.530	156	319076	53.850	ug/l	100
78) n-propylbenzene	12.597	91	1732541	56.277	ug/l	100
79) 2-Chlorotoluene	12.682	91	961405	54.987	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1156532	55.790	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	79135	55.211	ug/l	100
82) 4-Chlorotoluene	12.780	91	986826	54.440	ug/l	100
83) tert-Butylbenzene	12.999	119	1046589	56.001	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1159100	56.440	ug/l	100
85) sec-Butylbenzene	13.176	105	1565508	56.312	ug/l	100
86) p-Isopropyltoluene	13.292	119	1305932	56.735	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	636686	53.335	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	624513	53.346	ug/l	100
89) n-Butylbenzene	13.615	91	1211662	56.873	ug/l	100
90) Hexachloroethane	13.877	117	256745	53.168	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	557111	53.656	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	34000	52.532	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	330167	53.634	ug/l	100
94) Hexachlorobutadiene	15.023	225	207145	53.634	ug/l	100
95) Naphthalene	15.145	128	562927	55.488	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	283318	53.933	ug/l	100

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

