

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
 Data File : VY023871.D
 Acq On : 03 Dec 2025 15:12
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Dec 04 03:39:58 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

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	545043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	833577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	727751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	378627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	601016	110.230	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 220.460%#			
35) Dibromofluoromethane	7.634	113	588775	110.127	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 220.260%#			
50) Toluene-d8	10.109	98	2293388	110.234	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 220.460%#			
62) 4-Bromofluorobenzene	12.408	95	783133	110.362	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 220.720%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	380523	92.302	ug/l	100
3) Chloromethane	2.074	50	551009	93.697	ug/l	96
4) Vinyl Chloride	2.208	62	648959	96.743	ug/l	99
5) Bromomethane	2.599	94	427799	88.325	ug/l	99
6) Chloroethane	2.739	64	421590	92.699	ug/l	96
7) Trichlorofluoromethane	3.062	101	881234	93.954	ug/l	96
8) Diethyl Ether	3.458	74	274719	97.767	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	514526	91.558	ug/l	98
10) Methyl Iodide	4.007	142	604306	94.685	ug/l	99
11) Tert butyl alcohol	4.866	59	192446	503.529	ug/l	100
12) 1,1-Dichloroethene	3.793	96	506366	96.438	ug/l	99
13) Acrolein	3.659	56	159515	468.621	ug/l	98
14) Allyl chloride	4.391	41	828629	98.706	ug/l	98
15) Acrylonitrile	5.061	53	634191	518.561	ug/l	99
16) Acetone	3.873	43	765434	468.492	ug/l	99
17) Carbon Disulfide	4.110	76	1616569	104.202	ug/l	100
18) Methyl Acetate	4.391	43	299030	107.903	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	1349423	102.310	ug/l	98
20) Methylene Chloride	4.623	84	540120	93.401	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	562250	97.054	ug/l	99
22) Diisopropyl ether	6.025	45	1831952	99.110	ug/l	98
23) Vinyl Acetate	5.964	43	5380036	525.084	ug/l	98
24) 1,1-Dichloroethane	5.921	63	1014818	95.021	ug/l	100
25) 2-Butanone	6.897	43	969483	492.227	ug/l	97
26) 2,2-Dichloropropane	6.890	77	892635	91.193	ug/l	99
27) cis-1,2-Dichloroethene	6.897	96	650057	96.635	ug/l	100
28) Bromochloromethane	7.250	49	380378	93.214	ug/l	99
29) Tetrahydrofuran	7.262	42	550246	540.195	ug/l	99
30) Chloroform	7.427	83	1004227	93.053	ug/l	99
31) Cyclohexane	7.707	56	983287	96.294	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	911074	93.521	ug/l	100
36) 1,1-Dichloropropene	7.841	75	771073	97.810	ug/l	100
37) Ethyl Acetate	6.988	43	378867	104.075	ug/l	100
38) Carbon Tetrachloride	7.823	117	828616	95.236	ug/l	99
39) Methylcyclohexane	9.110	83	1061933	103.486	ug/l	98
40) Benzene	8.085	78	2294551	96.295	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	180184	96.001	ug/l #	98
42) 1,2-Dichloroethane	8.159	62	604794	97.265	ug/l	100
43) Isopropyl Acetate	8.201	43	723696	106.254	ug/l	99
44) Trichloroethene	8.866	130	589778	96.193	ug/l	97
45) 1,2-Dichloropropane	9.140	63	547865	97.105	ug/l	97
46) Dibromomethane	9.231	93	298833	97.833	ug/l	100
47) Bromodichloromethane	9.427	83	770127	95.566	ug/l	99
48) Methyl methacrylate	9.219	41	357957	112.496	ug/l	99
49) 1,4-Dioxane	9.225	88	71242	2097.609	ug/l	93
51) 4-Methyl-2-Pentanone	10.000	43	1945943	543.335	ug/l	99
52) Toluene	10.170	92	1478487	99.082	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	749005	102.981	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	863024	100.764	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	406702	98.637	ug/l	99
56) Ethyl methacrylate	10.439	69	597305	95.141	ug/l	99
57) 1,3-Dichloropropane	10.719	76	705243	99.305	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	1280440	475.100	ug/l	100
59) 2-Hexanone	10.762	43	1451826	537.484	ug/l	98
60) Dibromochloromethane	10.914	129	542962	98.205	ug/l	99
61) 1,2-Dibromoethane	11.018	107	379799	101.072	ug/l	99
64) Tetrachloroethene	10.646	164	662205	92.984	ug/l	99
65) Chlorobenzene	11.438	112	1581124	95.188	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	538308	94.984	ug/l	100
67) Ethyl Benzene	11.518	91	2851156	99.287	ug/l	99
68) m/p-Xylenes	11.627	106	2181866	198.786	ug/l	100
69) o-Xylene	11.957	106	1034728	100.791	ug/l	99
70) Styrene	11.969	104	1724169	101.883	ug/l	100
71) Bromoform	12.133	173	328202	102.492	ug/l #	99
73) Isopropylbenzene	12.255	105	2749383	98.558	ug/l	100
74) N-amyl acetate	12.066	43	676612	111.915	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	454452	100.971	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	336989m	89.778	ug/l	
77) Bromobenzene	12.530	156	625934	96.614	ug/l	99
78) n-propylbenzene	12.597	91	3297870	97.971	ug/l	100
79) 2-Chlorotoluene	12.676	91	1842283	96.366	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	2211407	97.562	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	164040	104.670	ug/l	99
82) 4-Chlorotoluene	12.774	91	1883217	95.016	ug/l	100
83) tert-Butylbenzene	12.993	119	2017278	98.718	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	2194058	97.708	ug/l	99
85) sec-Butylbenzene	13.176	105	2957891	97.308	ug/l	100
86) p-Isopropyltoluene	13.292	119	2474066	98.300	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	1224484	93.811	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	1190344	92.992	ug/l	100
89) n-Butylbenzene	13.615	91	2318828	99.543	ug/l	99
90) Hexachloroethane	13.877	117	498413	94.397	ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	1072015	94.427	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	74722	105.587	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	668373	99.299	ug/l	100
94) Hexachlorobutadiene	15.023	225	394559	93.431	ug/l	99
95) Naphthalene	15.145	128	1256519	113.275	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	580051	100.986	ug/l	99

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

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