

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
 Data File : VY023307.D
 Acq On : 08 Sep 2025 11:46
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 09 01:45:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 09 01:40:33 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
 Supervised By :Semsettin Yesilyurt 09/09/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	553685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	826995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	743780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	380796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	461345	94.823	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 189.640%#			
35) Dibromofluoromethane	7.640	113	495539	98.027	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 196.060%#			
50) Toluene-d8	10.109	98	1910809	100.103	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 200.200%#			
62) 4-Bromofluorobenzene	12.408	95	617410	102.780	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 205.560%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	382082	86.015	ug/l	98
3) Chloromethane	2.074	50	561245	88.297	ug/l	99
4) Vinyl Chloride	2.208	62	723153	90.307	ug/l	100
5) Bromomethane	2.592	94	579932	88.695	ug/l	100
6) Chloroethane	2.739	64	494799	91.308	ug/l	100
7) Trichlorofluoromethane	3.062	101	934000	92.412	ug/l	99
8) Diethyl Ether	3.458	74	258412	96.629	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	494209	90.925	ug/l	100
10) Methyl Iodide	4.007	142	643747	101.529	ug/l	100
11) Tert butyl alcohol	4.866	59	135775	482.971	ug/l	100
12) 1,1-Dichloroethene	3.793	96	493492	94.380	ug/l	100
13) Acrolein	3.653	56	223324	469.893	ug/l	99
14) Allyl chloride	4.391	41	640560	96.978	ug/l	99
15) Acrylonitrile	5.061	53	514238	488.464	ug/l	99
16) Acetone	3.873	43	528497	476.882	ug/l	98
17) Carbon Disulfide	4.110	76	1531125	92.491	ug/l	100
18) Methyl Acetate	4.391	43	259861	95.590	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	1241732	100.999	ug/l	99
20) Methylene Chloride	4.622	84	528916	89.205	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	559879	95.834	ug/l	96
22) Diisopropyl ether	6.025	45	1461997	99.387	ug/l	96
23) Vinyl Acetate	5.964	43	4152649	510.640	ug/l	100
24) 1,1-Dichloroethane	5.921	63	911486	94.736	ug/l	99
25) 2-Butanone	6.896	43	679450	498.135	ug/l	100
26) 2,2-Dichloropropane	6.890	77	808657	95.188	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	652984	98.700	ug/l	99
28) Bromochloromethane	7.250	49	351551	92.859	ug/l	99
29) Tetrahydrofuran	7.268	42	407987	504.285	ug/l	98
30) Chloroform	7.427	83	972361	94.058	ug/l	99
31) Cyclohexane	7.707	56	786969	92.432	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	869647	94.157	ug/l	99
36) 1,1-Dichloropropene	7.841	75	695673	96.623	ug/l	100
37) Ethyl Acetate	6.988	43	281747	98.372	ug/l	99
38) Carbon Tetrachloride	7.823	117	799538	96.509	ug/l	99
39) Methylcyclohexane	9.109	83	945012	102.597	ug/l	98
40) Benzene	8.085	78	2180599	97.437	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	153155	96.246	ug/l #	91
42) 1,2-Dichloroethane	8.164	62	545257	95.696	ug/l	100
43) Isopropyl Acetate	8.201	43	568502	102.054	ug/l #	86
44) Trichloroethene	8.866	130	610328	97.912	ug/l	97
45) 1,2-Dichloropropane	9.146	63	491687	97.282	ug/l	96
46) Dibromomethane	9.231	93	300046	97.481	ug/l	99
47) Bromodichloromethane	9.426	83	749153	96.746	ug/l	100
48) Methyl methacrylate	9.225	41	276846	106.622	ug/l	97
49) 1,4-Dioxane	9.231	88	64620	2068.185	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	1497150	525.325	ug/l	100
52) Toluene	10.176	92	1453950	102.376	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	689594	103.437	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	812848	102.036	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	402746	98.366	ug/l	99
56) Ethyl methacrylate	10.438	69	532603	112.279	ug/l	99
57) 1,3-Dichloropropane	10.719	76	656574	98.778	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	1211508	585.990	ug/l	99
59) 2-Hexanone	10.762	43	1053914	534.935	ug/l	100
60) Dibromochloromethane	10.914	129	551888	99.344	ug/l	100
61) 1,2-Dibromoethane	11.018	107	381843	99.524	ug/l	99
64) Tetrachloroethene	10.646	164	702212	94.727	ug/l	98
65) Chlorobenzene	11.444	112	1608611	98.723	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	554017	96.868	ug/l	100
67) Ethyl Benzene	11.518	91	2749443	103.285	ug/l	100
68) m/p-Xylenes	11.627	106	2187870	205.254	ug/l	99
69) o-Xylene	11.956	106	1039517	105.347	ug/l	99
70) Styrene	11.969	104	1743947	106.638	ug/l	100
71) Bromoform	12.133	173	339741	99.750	ug/l	99
73) Isopropylbenzene	12.255	105	2639661	102.909	ug/l	100
74) N-amyl acetate	12.072	43	523912	108.058	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	421897	98.004	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	382145m	90.703	ug/l	
77) Bromobenzene	12.530	156	659078	100.573	ug/l	98
78) n-propylbenzene	12.597	91	3086544	102.095	ug/l	99
79) 2-Chlorotoluene	12.682	91	1752032	100.617	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	2145364	102.836	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	144370	102.096	ug/l	97
82) 4-Chlorotoluene	12.773	91	1810202	99.353	ug/l	100
83) tert-Butylbenzene	12.999	119	1956520	103.549	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	2139509	103.667	ug/l	99
85) sec-Butylbenzene	13.176	105	2823391	102.701	ug/l	100
86) p-Isopropyltoluene	13.292	119	2445488	105.309	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	1285942	99.166	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	1243124	96.785	ug/l	99
89) n-Butylbenzene	13.615	91	2145204	104.163	ug/l	99
90) Hexachloroethane	13.877	117	482549	95.849	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	1117264	98.817	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	66490	98.434	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	703475	106.666	ug/l	99
94) Hexachlorobutadiene	15.023	225	401356	98.427	ug/l	100
95) Naphthalene	15.145	128	1224801	115.544	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	598796	104.545	ug/l	99

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

