

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY022995.D
 Acq On : 18 Jul 2025 12:49
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Jul 19 01:34:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:28:30 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	507576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	818041	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	713048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	341818	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	759333	147.778	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 295.560%#	
35) Dibromofluoromethane	7.634	113	769587	148.308	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 296.620%#	
50) Toluene-d8	10.103	98	3030762	147.281	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 294.560%#	
62) 4-Bromofluorobenzene	12.401	95	996296	153.805	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 307.600%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	554056	128.556	ug/l	99
3) Chloromethane	2.068	50	1009184	137.710	ug/l	99
4) Vinyl Chloride	2.208	62	1262771	136.010	ug/l	99
5) Bromomethane	2.586	94	965846	144.140	ug/l	99
6) Chloroethane	2.732	64	863223	139.213	ug/l	96
7) Trichlorofluoromethane	3.056	101	1472609	136.637	ug/l	98
8) Diethyl Ether	3.458	74	405153	143.632	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	757731	133.835	ug/l	99
10) Methyl Iodide	4.000	142	917876	156.057	ug/l	99
11) Tert butyl alcohol	4.866	59	250970	803.224	ug/l	99
12) 1,1-Dichloroethene	3.787	96	755004	139.985	ug/l	98
13) Acrolein	3.653	56	64898	460.788	ug/l	95
14) Allyl chloride	4.385	41	1226641	149.283	ug/l	99
15) Acrylonitrile	5.055	53	849674	795.253	ug/l	99
16) Acetone	3.872	43	612358	657.446	ug/l	100
17) Carbon Disulfide	4.104	76	2245565	137.375	ug/l	99
18) Methyl Acetate	4.385	43	554000	175.686	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	2069795	159.995	ug/l	100
20) Methylene Chloride	4.616	84	875539	150.366	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	874496	145.658	ug/l	99
22) Diisopropyl ether	6.018	45	2698023	154.774	ug/l	99
23) Vinyl Acetate	5.957	43	7048997	802.533	ug/l	100
24) 1,1-Dichloroethane	5.915	63	1599724	146.106	ug/l	99
25) 2-Butanone	6.896	43	1064091	796.353	ug/l	100
26) 2,2-Dichloropropane	6.884	77	1381568	143.975	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	1045626	151.118	ug/l	100
28) Bromochloromethane	7.244	49	628281	147.946	ug/l	99
29) Tetrahydrofuran	7.262	42	706173	834.735	ug/l	98
30) Chloroform	7.421	83	1598800	144.750	ug/l	99
31) Cyclohexane	7.701	56	1397744	136.623	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	1442504	143.937	ug/l	99
36) 1,1-Dichloropropene	7.835	75	1177815	144.097	ug/l	99
37) Ethyl Acetate	6.982	43	463547	152.699	ug/l	99
38) Carbon Tetrachloride	7.817	117	1277517	143.863	ug/l	99
39) Methylcyclohexane	9.109	83	1558807	147.341	ug/l	99
40) Benzene	8.079	78	3629855	147.493	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	262546	163.855	ug/l	98
42) 1,2-Dichloroethane	8.158	62	921582	150.515	ug/l	99
43) Isopropyl Acetate	8.195	43	995083	165.022	ug/l #	87
44) Trichloroethene	8.865	130	899565	142.310	ug/l	99
45) 1,2-Dichloropropane	9.140	63	849889	147.880	ug/l	99
46) Dibromomethane	9.231	93	457164	153.894	ug/l	99
47) Bromodichloromethane	9.420	83	1229904	149.779	ug/l	100
48) Methyl methacrylate	9.219	41	497091	170.750	ug/l	99
49) 1,4-Dioxane	9.225	88	105601	3372.404	ug/l	93
51) 4-Methyl-2-Pentanone	9.993	43	2619935	856.011	ug/l	98
52) Toluene	10.170	92	2355369	153.936	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	1145266	162.478	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	1347461	158.600	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	609925	156.212	ug/l	98
56) Ethyl methacrylate	10.438	69	862573	176.974	ug/l	98
57) 1,3-Dichloropropane	10.713	76	1054881	156.398	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	2122696	889.686	ug/l	100
59) 2-Hexanone	10.755	43	1763492	876.571	ug/l	97
60) Dibromochloromethane	10.908	129	812760	158.968	ug/l	100
61) 1,2-Dibromoethane	11.011	107	563050	158.800	ug/l	99
64) Tetrachloroethene	10.646	164	900940	123.614	ug/l	98
65) Chlorobenzene	11.438	112	2486956	147.805	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	869061	151.433	ug/l	100
67) Ethyl Benzene	11.517	91	4532458	151.974	ug/l	97
68) m/p-Xylenes	11.627	106	3508814	306.732	ug/l	97
69) o-Xylene	11.950	106	1670304	157.335	ug/l	98
70) Styrene	11.969	104	2815907	161.930	ug/l	99
71) Bromoform	12.127	173	482482	165.606	ug/l #	99
73) Isopropylbenzene	12.249	105	4313254	148.835	ug/l	99
74) N-amyl acetate	12.066	43	927122	169.687	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	687614	163.959	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	648799m	150.814	ug/l	
77) Bromobenzene	12.529	156	955644	152.042	ug/l	99
78) n-propylbenzene	12.590	91	5048339	146.282	ug/l	98
79) 2-Chlorotoluene	12.676	91	2867994	147.762	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	3422881	149.755	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	231166	161.650	ug/l	96
82) 4-Chlorotoluene	12.773	91	2923682	149.351	ug/l	100
83) tert-Butylbenzene	12.993	119	3090226	149.676	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	3425217	152.237	ug/l	99
85) sec-Butylbenzene	13.170	105	4523782	146.212	ug/l	99
86) p-Isopropyltoluene	13.285	119	3849059	153.178	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	1918495	151.247	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	1805316	147.117	ug/l	100
89) n-Butylbenzene	13.615	91	3463857	149.387	ug/l	99
90) Hexachloroethane	13.877	117	755795	145.277	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	1610657	150.536	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	100462	161.332	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	886472	157.179	ug/l	100
94) Hexachlorobutadiene	15.017	225	482621	135.733	ug/l	99
95) Naphthalene	15.139	128	1635113	180.758	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	738766	158.643	ug/l	99

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

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