

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
 Data File : VY023814.D
 Acq On : 26 Nov 2025 10:02
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/01/2025
 Supervised By : Mahesh Dadoda 12/02/2025

Quant Time: Nov 27 01:01:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 00:55:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	600698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	946959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	834229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	420425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	856046	146.336	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 292.680%#			
35) Dibromofluoromethane	7.634	113	837234	149.248	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 298.500%#			
50) Toluene-d8	10.109	98	3322724	149.124	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 298.240%#			
62) 4-Bromofluorobenzene	12.402	95	1108449	151.192	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 302.380%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	601715	132.916	ug/l	98
3) Chloromethane	2.068	50	928274	134.033	ug/l	99
4) Vinyl Chloride	2.208	62	1044707	139.444	ug/l	99
5) Bromomethane	2.586	94	703715	133.151	ug/l	100
6) Chloroethane	2.733	64	670264	137.277	ug/l	99
7) Trichlorofluoromethane	3.056	101	1429848	141.163	ug/l	99
8) Diethyl Ether	3.458	74	481277	150.861	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	820578	138.806	ug/l	99
10) Methyl Iodide	4.007	142	974572	150.442	ug/l	100
11) Tert butyl alcohol	4.860	59	319683	665.384	ug/l	99
12) 1,1-Dichloroethene	3.787	96	848390	145.874	ug/l	98
13) Acrolein	3.653	56	532210	770.569	ug/l	98
14) Allyl chloride	4.385	41	1393233	151.215	ug/l	99
15) Acrylonitrile	5.061	53	1062165	771.414	ug/l	99
16) Acetone	3.867	43	1198260	710.947	ug/l	99
17) Carbon Disulfide	4.104	76	2632645	140.262	ug/l	99
18) Methyl Acetate	4.385	43	486609	149.501	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	2319472	156.059	ug/l	98
20) Methylene Chloride	4.616	84	900300	126.350	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	934021	145.048	ug/l	98
22) Diisopropyl ether	6.019	45	2939745	147.561	ug/l	98
23) Vinyl Acetate	5.958	43	8572152	773.764	ug/l	99
24) 1,1-Dichloroethane	5.915	63	1706556	145.612	ug/l	98
25) 2-Butanone	6.896	43	1540693	749.039	ug/l	97
26) 2,2-Dichloropropane	6.884	77	1476118	142.093	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	1104064	147.646	ug/l	98
28) Bromochloromethane	7.244	49	695302	142.624	ug/l	97
29) Tetrahydrofuran	7.262	42	893027	778.423	ug/l	98
30) Chloroform	7.421	83	1698685	144.142	ug/l	99
31) Cyclohexane	7.701	56	1562743	138.952	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	1520934	145.395	ug/l	99
36) 1,1-Dichloropropene	7.835	75	1262718	146.809	ug/l	100
37) Ethyl Acetate	6.988	43	620680	153.419	ug/l	98
38) Carbon Tetrachloride	7.817	117	1372641	145.392	ug/l	99
39) Methylcyclohexane	9.110	83	1713475	150.843	ug/l	98
40) Benzene	8.079	78	3849599	145.441	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	311028	150.420	ug/l	95
42) 1,2-Dichloroethane	8.158	62	1005917	147.416	ug/l	100
43) Isopropyl Acetate	8.195	43	1196776	158.296	ug/l	100
44) Trichloroethene	8.866	130	994754	146.477	ug/l	98
45) 1,2-Dichloropropane	9.140	63	919872	147.402	ug/l	100
46) Dibromomethane	9.231	93	504506	148.984	ug/l	99
47) Bromodichloromethane	9.420	83	1306863	147.672	ug/l	97
48) Methyl methacrylate	9.219	41	590425	165.868	ug/l	98
49) 1,4-Dioxane	9.231	88	124481	3280.044	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	3170958	796.719	ug/l	98
52) Toluene	10.170	92	2460265	149.938	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	1277548	157.592	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	1493215	153.879	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	683158	150.604	ug/l	99
56) Ethyl methacrylate	10.439	69	1032641	173.374	ug/l	98
57) 1,3-Dichloropropane	10.719	76	1200769	151.747	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	2463679	861.030	ug/l	99
59) 2-Hexanone	10.756	43	2368612	804.792	ug/l	98
60) Dibromochloromethane	10.908	129	926239	152.165	ug/l	100
61) 1,2-Dibromoethane	11.012	107	643233	152.768	ug/l	98
64) Tetrachloroethene	10.646	164	1113104	140.652	ug/l	98
65) Chlorobenzene	11.438	112	2687113	146.742	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.512	131	918816	147.698	ug/l	99
67) Ethyl Benzene	11.518	91	4773051	152.600	ug/l	98
68) m/p-Xylenes	11.627	106	3645935	302.497	ug/l	99
69) o-Xylene	11.950	106	1738989	153.898	ug/l	99
70) Styrene	11.969	104	2910104	156.340	ug/l	99
71) Bromoform	12.133	173	553261	152.468	ug/l #	99
73) Isopropylbenzene	12.255	105	4527406	151.730	ug/l	99
74) N-amyl acetate	12.066	43	1114480	167.182	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	755313	153.751	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	544238m	149.429	ug/l	
77) Bromobenzene	12.530	156	1049744	149.572	ug/l	100
78) n-propylbenzene	12.591	91	5331513	148.409	ug/l	100
79) 2-Chlorotoluene	12.676	91	3067460	148.359	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	3678919	151.031	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	278511	161.016	ug/l	96
82) 4-Chlorotoluene	12.774	91	3140270	147.888	ug/l	99
83) tert-Butylbenzene	12.993	119	3332737	152.301	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	3664408	150.528	ug/l	98
85) sec-Butylbenzene	13.176	105	4807442	148.829	ug/l	100
86) p-Isopropyltoluene	13.292	119	4065975	150.596	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	2075260	147.539	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	2018866	143.793	ug/l	100
89) n-Butylbenzene	13.615	91	3822638	154.412	ug/l	99
90) Hexachloroethane	13.877	117	825534	145.528	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	1805086	146.751	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	126081	153.329	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	1185872	161.700	ug/l	99
94) Hexachlorobutadiene	15.023	225	666251	145.877	ug/l	99
95) Naphthalene	15.139	128	2257476	182.522	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	1034791	165.673	ug/l	99

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

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