

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023666.D
 Acq On : 04 Nov 2025 11:27
 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 :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:30:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	621042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	901916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	790988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	391606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	757684	143.025	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 286.060%#			
35) Dibromofluoromethane	7.634	113	832527	147.706	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 295.420%#			
50) Toluene-d8	10.109	98	3136015	149.364	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 298.720%#			
62) 4-Bromofluorobenzene	12.402	95	1040552	153.250	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 306.500%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	496440	121.776	ug/l	99
3) Chloromethane	2.068	50	712373	124.873	ug/l	99
4) Vinyl Chloride	2.208	62	946660	127.526	ug/l	99
5) Bromomethane	2.586	94	814598	130.454	ug/l	99
6) Chloroethane	2.733	64	660222	128.682	ug/l	99
7) Trichlorofluoromethane	3.056	101	1409197	134.789	ug/l	99
8) Diethyl Ether	3.452	74	408901	145.847	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	772147	134.049	ug/l	100
10) Methyl Iodide	4.007	142	993484	146.059	ug/l	99
11) Tert butyl alcohol	4.860	59	249226	729.606	ug/l	98
12) 1,1-Dichloroethene	3.787	96	780521	140.665	ug/l	99
13) Acrolein	3.653	56	304058	692.535	ug/l	99
14) Allyl chloride	4.385	41	1016094	150.446	ug/l	98
15) Acrylonitrile	5.055	53	824786	769.798	ug/l	99
16) Acetone	3.866	43	947595	719.612	ug/l	99
17) Carbon Disulfide	4.104	76	2304859	135.337	ug/l	100
18) Methyl Acetate	4.385	43	405494	139.609	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	2032527	157.970	ug/l	99
20) Methylene Chloride	4.616	84	813039	127.899	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	892080	142.587	ug/l	95
22) Diisopropyl ether	6.019	45	2264384	150.464	ug/l	98
23) Vinyl Acetate	5.958	43	6576961	818.950	ug/l	99
24) 1,1-Dichloroethane	5.915	63	1415798	141.217	ug/l	99
25) 2-Butanone	6.896	43	1180801	775.579	ug/l	99
26) 2,2-Dichloropropane	6.884	77	1319960	143.128	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	1051376	147.141	ug/l	99
28) Bromochloromethane	7.244	49	519064	135.216	ug/l	99
29) Tetrahydrofuran	7.262	42	655805	808.815	ug/l	99
30) Chloroform	7.421	83	1551090	138.663	ug/l	99
31) Cyclohexane	7.701	56	1230432	140.926	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	1402944	140.327	ug/l	99
36) 1,1-Dichloropropene	7.835	75	1096950	145.645	ug/l	99
37) Ethyl Acetate	6.982	43	465489	159.651	ug/l	99
38) Carbon Tetrachloride	7.817	117	1279569	144.193	ug/l	99
39) Methylcyclohexane	9.109	83	1522789	158.237	ug/l	99
40) Benzene	8.079	78	3423551	144.208	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	270053	173.645	ug/l	93
42) 1,2-Dichloroethane	8.158	62	864999	144.018	ug/l	99
43) Isopropyl Acetate	8.195	43	915445	167.105	ug/l	100
44) Trichloroethene	8.866	130	968647	142.056	ug/l	100
45) 1,2-Dichloropropane	9.140	63	765153	146.035	ug/l	98
46) Dibromomethane	9.231	93	477241	147.004	ug/l	99
47) Bromodichloromethane	9.420	83	1193540	145.820	ug/l	100
48) Methyl methacrylate	9.219	41	456960	176.551	ug/l	99
49) 1,4-Dioxane	9.225	88	110006	3311.077	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	2437010	836.491	ug/l	100
52) Toluene	10.170	92	2278105	150.304	ug/l	97
53) t-1,3-Dichloropropene	10.390	75	1101094	158.988	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	1281333	154.422	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	637615	146.967	ug/l	98
56) Ethyl methacrylate	10.438	69	873314	182.696	ug/l	99
57) 1,3-Dichloropropane	10.719	76	1018360	147.983	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	1973993	899.933	ug/l	99
59) 2-Hexanone	10.762	43	1802207	847.892	ug/l	99
60) Dibromochloromethane	10.914	129	889783	149.265	ug/l	99
61) 1,2-Dibromoethane	11.012	107	612102	150.335	ug/l	100
64) Tetrachloroethene	10.646	164	1096726	133.211	ug/l	98
65) Chlorobenzene	11.438	112	2508744	145.689	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	891788	146.458	ug/l	99
67) Ethyl Benzene	11.518	91	4316877	154.896	ug/l	100
68) m/p-Xylenes	11.627	106	3451849	310.002	ug/l	99
69) o-Xylene	11.957	106	1640734	159.402	ug/l	100
70) Styrene	11.969	104	2716949	159.981	ug/l	99
71) Bromoform	12.133	173	548567	154.254	ug/l	100
73) Isopropylbenzene	12.255	105	4137095	157.957	ug/l	99
74) N-amyl acetate	12.066	43	819575	184.824	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	662143	158.291	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	459716m	145.052	ug/l	
77) Bromobenzene	12.530	156	1039954	153.073	ug/l	98
78) n-propylbenzene	12.591	91	4789010	155.449	ug/l	99
79) 2-Chlorotoluene	12.676	91	2739475	153.238	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	3356489	157.728	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	230746	164.538	ug/l	98
82) 4-Chlorotoluene	12.773	91	2799224	151.827	ug/l	99
83) tert-Butylbenzene	12.993	119	3140967	162.060	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	3343184	158.616	ug/l	99
85) sec-Butylbenzene	13.176	105	4372346	156.408	ug/l	99
86) p-Isopropyltoluene	13.292	119	3826970	161.714	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	2007587	150.136	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	1914429	145.749	ug/l	99
89) n-Butylbenzene	13.615	91	3341239	162.367	ug/l	98
90) Hexachloroethane	13.877	117	761235	149.685	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	1711163	148.493	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	101448	157.511	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	1108704	168.205	ug/l	99
94) Hexachlorobutadiene	15.023	225	641847	148.620	ug/l	99
95) Naphthalene	15.139	128	1891291	152.117	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	929367	168.759	ug/l	100

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

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