

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111025\
 Data File : VY023714.D
 Acq On : 10 Nov 2025 14:49
 Operator : SY/MD
 Sample : VY1110SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1110SBS01

Quant Time: Nov 11 02:06:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/11/2025
 Supervised By :Mahesh Dadoda 11/11/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	507794	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	774992	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	703588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	362831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	235166	55.382	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.760%			
35) Dibromofluoromethane	7.634	113	246036	51.667	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.340%			
50) Toluene-d8	10.109	98	942354	53.138	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.280%			
62) 4-Bromofluorobenzene	12.408	95	306183	52.295	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	74457	20.371	ug/l	97
3) Chloromethane	2.074	50	106185	21.326	ug/l	98
4) Vinyl Chloride	2.208	62	128483	19.811	ug/l	99
5) Bromomethane	2.592	94	112719	20.711	ug/l	97
6) Chloroethane	2.733	64	89705	20.292	ug/l	97
7) Trichlorofluoromethane	3.056	101	180858	20.085	ug/l	99
8) Diethyl Ether	3.452	74	49214	20.916	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.818	101	101161	21.649	ug/l	98
10) Methyl Iodide	4.007	142	99122	19.055	ug/l	99
11) Tert butyl alcohol	4.848	59	38592	122.167	ug/l #	83
12) 1,1-Dichloroethene	3.787	96	96399	21.282	ug/l	93
13) Acrolein	3.653	56	35884	80.391	ug/l	100
14) Allyl chloride	4.385	41	120175	21.769	ug/l	98
15) Acrylonitrile	5.061	53	102805	114.169	ug/l	100
16) Acetone	3.867	43	120807	119.505	ug/l	99
17) Carbon Disulfide	4.104	76	300176	23.154	ug/l	100
18) Methyl Acetate	4.385	43	47466	17.900	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	228638	21.002	ug/l	97
20) Methylene Chloride	4.616	84	111710	20.436	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	108521	21.761	ug/l	95
22) Diisopropyl ether	6.019	45	283828	23.244	ug/l	93
23) Vinyl Acetate	5.964	43	760480	115.059	ug/l	97
24) 1,1-Dichloroethane	5.921	63	180587	22.326	ug/l	96
25) 2-Butanone	6.896	43	146357	118.590	ug/l	93
26) 2,2-Dichloropropane	6.884	77	158722	21.385	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	126602	21.977	ug/l	97
28) Bromochloromethane	7.250	49	73690	24.404	ug/l	90
29) Tetrahydrofuran	7.262	42	79235	113.218	ug/l	96
30) Chloroform	7.421	83	200081	22.514	ug/l	95
31) Cyclohexane	7.701	56	153184	21.686	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	175515	21.733	ug/l	99
36) 1,1-Dichloropropene	7.835	75	136071	21.584	ug/l	98
37) Ethyl Acetate	6.988	43	57359	22.966	ug/l	98
38) Carbon Tetrachloride	7.817	117	158670	20.756	ug/l	97
39) Methylcyclohexane	9.109	83	164009	19.981	ug/l	96
40) Benzene	8.079	78	439422	22.009	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	26017	19.260	ug/l #	90
42) 1,2-Dichloroethane	8.158	62	112997	21.945	ug/l	100
43) Isopropyl Acetate	8.201	43	107167	21.518	ug/l	96
44) Trichloroethene	8.866	130	120585	20.635	ug/l	97
45) 1,2-Dichloropropane	9.140	63	98547	22.347	ug/l	99
46) Dibromomethane	9.231	93	60582	21.726	ug/l	94
47) Bromodichloromethane	9.420	83	153698	21.885	ug/l	99
48) Methyl methacrylate	9.225	41	48075	20.548	ug/l	99
49) 1,4-Dioxane	9.231	88	12604	389.849	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	281321	109.330	ug/l	99
52) Toluene	10.170	92	277772	21.428	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	127119	20.817	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	155012	21.508	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	80811	21.551	ug/l	96
56) Ethyl methacrylate	10.439	69	88381	20.433	ug/l	97
57) 1,3-Dichloropropane	10.719	76	129916	21.864	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	197292	101.818	ug/l	96
59) 2-Hexanone	10.762	43	203056	110.424	ug/l	96
60) Dibromochloromethane	10.914	129	109693	20.865	ug/l	100
61) 1,2-Dibromoethane	11.012	107	77093	21.557	ug/l	99
64) Tetrachloroethene	10.646	164	152493	20.991	ug/l	96
65) Chlorobenzene	11.444	112	311071	20.328	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	110567	20.276	ug/l	98
67) Ethyl Benzene	11.518	91	496106	20.028	ug/l	99
68) m/p-Xylenes	11.627	106	401483	40.410	ug/l	96
69) o-Xylene	11.957	106	183237	19.663	ug/l	99
70) Styrene	11.969	104	305833	19.957	ug/l	99
71) Bromoform	12.127	173	66776	19.741	ug/l #	98
73) Isopropylbenzene	12.255	105	473505	19.803	ug/l	98
74) N-amyl acetate	12.066	43	85926	20.007	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	80188	20.504	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	61232m	19.128	ug/l	
77) Bromobenzene	12.530	156	125634	19.764	ug/l	96
78) n-propylbenzene	12.591	91	567442	20.507	ug/l	98
79) 2-Chlorotoluene	12.676	91	337258	20.814	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	401592	20.784	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	25602	19.612	ug/l	96
82) 4-Chlorotoluene	12.773	91	347583	20.829	ug/l	99
83) tert-Butylbenzene	12.999	119	346894	19.445	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	400015	20.744	ug/l	97
85) sec-Butylbenzene	13.176	105	515744	20.153	ug/l	99
86) p-Isopropyltoluene	13.292	119	431325	19.796	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	242692	19.606	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	242205	19.811	ug/l	98
89) n-Butylbenzene	13.615	91	367122	19.337	ug/l	98
90) Hexachloroethane	13.877	117	94813	20.231	ug/l	93
91) 1,2-Dichlorobenzene	13.657	146	215742	19.879	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12851	20.027	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	113027	16.706	ug/l	100
94) Hexachlorobutadiene	15.023	225	76311	18.094	ug/l	98
95) Naphthalene	15.145	128	163973	15.220	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	95756	16.340	ug/l	99

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

