

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110325\
 Data File : VY023650.D
 Acq On : 03 Nov 2025 11:30
 Operator : SY/MD
 Sample : VY1103SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1103SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/04/2025
 Supervised By : Mahesh Dadoda 11/04/2025

Quant Time: Nov 04 01:30:51 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

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	459130	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	683030	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	592788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	309437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	191336	49.836	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.680%		
35) Dibromofluoromethane	7.634	113	210911	50.254	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.500%		
50) Toluene-d8	10.109	98	759194	48.574	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.140%		
62) 4-Bromofluorobenzene	12.401	95	251534	48.746	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	66573	20.145	ug/l	96
3) Chloromethane	2.074	50	86215	19.151	ug/l	99
4) Vinyl Chloride	2.208	62	115549	19.706	ug/l	98
5) Bromomethane	2.592	94	100552	20.434	ug/l	99
6) Chloroethane	2.732	64	84170	21.058	ug/l	98
7) Trichlorofluoromethane	3.055	101	174618	21.447	ug/l	100
8) Diethyl Ether	3.458	74	47347	22.255	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	96983	22.955	ug/l	99
10) Methyl Iodide	4.007	142	103239	21.950	ug/l	99
11) Tert butyl alcohol	4.860	59	32219	112.803	ug/l	95
12) 1,1-Dichloroethene	3.787	96	90711	22.149	ug/l	97
13) Acrolein	3.653	56	16753	41.510	ug/l	99
14) Allyl chloride	4.384	41	115948	23.230	ug/l	97
15) Acrylonitrile	5.061	53	97749	120.060	ug/l	99
16) Acetone	3.866	43	139824	152.977	ug/l	98
17) Carbon Disulfide	4.104	76	234583	20.012	ug/l	99
18) Methyl Acetate	4.384	43	55192	23.019	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	226422	23.003	ug/l	97
20) Methylene Chloride	4.616	84	102895	20.819	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	101055	22.411	ug/l	99
22) Diisopropyl ether	6.018	45	262775	23.801	ug/l	96
23) Vinyl Acetate	5.963	43	696322	116.519	ug/l	99
24) 1,1-Dichloroethane	5.921	63	171681	23.475	ug/l	100
25) 2-Butanone	6.896	43	151324	135.610	ug/l	99
26) 2,2-Dichloropropane	6.890	77	157411	23.457	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	119895	23.019	ug/l	99
28) Bromochloromethane	7.250	49	63123	23.120	ug/l	97
29) Tetrahydrofuran	7.262	42	72830	115.096	ug/l	100
30) Chloroform	7.421	83	189380	23.569	ug/l	99
31) Cyclohexane	7.701	56	136216	21.328	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	171195	23.445	ug/l	99
36) 1,1-Dichloropropene	7.835	75	127376	22.925	ug/l	98
37) Ethyl Acetate	6.988	43	53038	24.095	ug/l	98
38) Carbon Tetrachloride	7.823	117	153159	22.733	ug/l	99
39) Methylcyclohexane	9.109	83	154307	21.330	ug/l	97
40) Benzene	8.085	78	404284	22.976	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	24381	20.479	ug/l	89
42) 1,2-Dichloroethane	8.158	62	103842	22.882	ug/l	100
43) Isopropyl Acetate	8.201	43	99803	22.738	ug/l	99
44) Trichloroethene	8.865	130	114668	22.265	ug/l	97
45) 1,2-Dichloropropane	9.140	63	91947	23.658	ug/l	96
46) Dibromomethane	9.231	93	57655	23.460	ug/l	97
47) Bromodichloromethane	9.426	83	145935	23.578	ug/l	99
48) Methyl methacrylate	9.219	41	45260	21.949	ug/l	96
49) 1,4-Dioxane	9.237	88	12083	424.053	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	268852	118.552	ug/l	99
52) Toluene	10.170	92	266066	23.288	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	121198	22.519	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	145667	22.933	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	78354	23.709	ug/l	96
56) Ethyl methacrylate	10.438	69	87167	22.865	ug/l	98
57) 1,3-Dichloropropane	10.719	76	124842	23.839	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	186872	109.425	ug/l	99
59) 2-Hexanone	10.761	43	210341	129.786	ug/l	99
60) Dibromochloromethane	10.914	129	108144	23.340	ug/l	98
61) 1,2-Dibromoethane	11.017	107	71883	22.807	ug/l	99
64) Tetrachloroethene	10.646	164	144266	23.570	ug/l	97
65) Chlorobenzene	11.438	112	294169	22.816	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	107880	23.481	ug/l	99
67) Ethyl Benzene	11.517	91	481347	23.064	ug/l	99
68) m/p-Xylenes	11.627	106	387351	46.274	ug/l	98
69) o-Xylene	11.950	106	180089	22.937	ug/l	100
70) Styrene	11.968	104	297438	23.037	ug/l	99
71) Bromoform	12.133	173	65318	22.919	ug/l #	99
73) Isopropylbenzene	12.255	105	476429	23.363	ug/l	99
74) N-amyl acetate	12.072	43	81675	22.299	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	77624	23.274	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	59193m	21.682	ug/l	
77) Bromobenzene	12.529	156	122721	22.637	ug/l	98
78) n-propylbenzene	12.596	91	557326	23.617	ug/l	99
79) 2-Chlorotoluene	12.676	91	322303	23.323	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	388450	23.573	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	25383	22.799	ug/l	100
82) 4-Chlorotoluene	12.773	91	331916	23.322	ug/l	99
83) tert-Butylbenzene	12.993	119	355532	23.368	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	386466	23.500	ug/l	99
85) sec-Butylbenzene	13.176	105	509251	23.333	ug/l	99
86) p-Isopropyltoluene	13.291	119	429151	23.094	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	239280	22.666	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	233078	22.354	ug/l	98
89) n-Butylbenzene	13.615	91	365453	22.570	ug/l	99
90) Hexachloroethane	13.877	117	91176	22.812	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	211893	22.894	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12340	22.549	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	123508	21.405	ug/l	100
94) Hexachlorobutadiene	15.023	225	78767	21.899	ug/l	98
95) Naphthalene	15.145	128	191387	20.829	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	107330	21.475	ug/l	99

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

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