

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023562.D
 Acq On : 24 Oct 2025 10:14
 Operator : SY/MD
 Sample : VY1024SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/27/2025
 Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 23:48:12 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	7.707	168	536786	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	783587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	686581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	360721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	199332	44.408	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.820%		
35) Dibromofluoromethane	7.634	113	237654	49.359	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.720%		
50) Toluene-d8	10.109	98	853846	47.619	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.240%		
62) 4-Bromofluorobenzene	12.402	95	282869	47.784	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	73403	18.998	ug/l	97
3) Chloromethane	2.074	50	94123	17.883	ug/l	99
4) Vinyl Chloride	2.208	62	128692	18.772	ug/l	99
5) Bromomethane	2.592	94	123016	21.383	ug/l	100
6) Chloroethane	2.733	64	91499	19.580	ug/l	99
7) Trichlorofluoromethane	3.056	101	193303	20.308	ug/l	98
8) Diethyl Ether	3.458	74	53195	21.387	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.818	101	104696	21.196	ug/l	98
10) Methyl Iodide	4.007	142	113792	20.694	ug/l	97
11) Tert butyl alcohol	4.860	59	36821	110.265	ug/l	97
12) 1,1-Dichloroethene	3.793	96	99711	20.824	ug/l	96
13) Acrolein	3.647	56	24350	51.605	ug/l	99
14) Allyl chloride	4.385	41	108412	18.578	ug/l	97
15) Acrylonitrile	5.061	53	94812	99.605	ug/l	99
16) Acetone	3.873	43	141337	132.262	ug/l	98
17) Carbon Disulfide	4.104	76	260295	18.993	ug/l	99
18) Methyl Acetate	4.391	43	48921	17.452	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	243330	21.144	ug/l	99
20) Methylene Chloride	4.623	84	111608	19.315	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	111012	21.058	ug/l	98
22) Diisopropyl ether	6.025	45	259309	20.089	ug/l	99
23) Vinyl Acetate	5.964	43	706151	101.069	ug/l	96
24) 1,1-Dichloroethane	5.921	63	176426	20.634	ug/l	99
25) 2-Butanone	6.896	43	153481	117.645	ug/l	95
26) 2,2-Dichloropropane	6.884	77	168220	21.441	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	132133	21.699	ug/l	95
28) Bromochloromethane	7.244	49	63974	20.042	ug/l	91
29) Tetrahydrofuran	7.262	42	71418	96.536	ug/l	94
30) Chloroform	7.427	83	199992	21.289	ug/l	100
31) Cyclohexane	7.701	56	143461	19.213	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	181103	21.213	ug/l	98
36) 1,1-Dichloropropene	7.835	75	134460	21.094	ug/l	99
37) Ethyl Acetate	6.988	43	51097	20.234	ug/l	97
38) Carbon Tetrachloride	7.817	117	165067	21.356	ug/l	97
39) Methylcyclohexane	9.110	83	171472	20.661	ug/l	97
40) Benzene	8.079	78	429319	21.267	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	27166m	19.890	ug/l	
42) 1,2-Dichloroethane	8.158	62	106025	20.365	ug/l	97
43) Isopropyl Acetate	8.201	43	101137	20.085	ug/l #	84
44) Trichloroethene	8.866	130	129117	21.853	ug/l	100
45) 1,2-Dichloropropane	9.140	63	93853	21.049	ug/l	97
46) Dibromomethane	9.231	93	61356	21.762	ug/l	96
47) Bromodichloromethane	9.420	83	153350	21.596	ug/l	99
48) Methyl methacrylate	9.219	41	43837	18.531	ug/l	86
49) 1,4-Dioxane	9.225	88	13942	426.504	ug/l	97
51) 4-Methyl-2-Pentanone	10.000	43	269342	103.526	ug/l	98
52) Toluene	10.170	92	287505	21.935	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	131216	21.252	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	158569	21.760	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	87086	22.969	ug/l	96
56) Ethyl methacrylate	10.439	69	92237	21.090	ug/l	94
57) 1,3-Dichloropropane	10.719	76	132832	22.110	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	197494	100.804	ug/l	97
59) 2-Hexanone	10.762	43	217078	116.754	ug/l	97
60) Dibromochloromethane	10.914	129	120798	22.725	ug/l	98
61) 1,2-Dibromoethane	11.012	107	81298	22.484	ug/l	98
64) Tetrachloroethene	10.646	164	151062	21.309	ug/l	99
65) Chlorobenzene	11.438	112	326646	21.874	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	118969	22.357	ug/l	99
67) Ethyl Benzene	11.518	91	519038	21.473	ug/l	98
68) m/p-Xylenes	11.627	106	430825	44.437	ug/l	98
69) o-Xylene	11.950	106	199866	21.978	ug/l	98
70) Styrene	11.969	104	327085	21.872	ug/l	99
71) Bromoform	12.133	173	74587	22.597	ug/l #	98
73) Isopropylbenzene	12.255	105	517060	21.751	ug/l	99
74) N-amyl acetate	12.066	43	85040	19.917	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	87273	22.446	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	60466m	18.999	ug/l	
77) Bromobenzene	12.530	156	139180	22.023	ug/l	97
78) n-propylbenzene	12.591	91	602594	21.905	ug/l	99
79) 2-Chlorotoluene	12.676	91	347665	21.582	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	429209	22.344	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	27474	21.169	ug/l	97
82) 4-Chlorotoluene	12.774	91	360070	21.703	ug/l	98
83) tert-Butylbenzene	12.993	119	398925	22.492	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	424880	22.163	ug/l	99
85) sec-Butylbenzene	13.170	105	564414	22.184	ug/l	100
86) p-Isopropyltoluene	13.286	119	482314	22.265	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	271316	22.046	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	264489	21.761	ug/l	99
89) n-Butylbenzene	13.615	91	410914	21.770	ug/l	99
90) Hexachloroethane	13.877	117	103152	22.140	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	240455	22.286	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14028	21.989	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	147428	21.918	ug/l	98
94) Hexachlorobutadiene	15.017	225	91078	21.721	ug/l	99
95) Naphthalene	15.139	128	228739	21.355	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	124725	21.407	ug/l	99

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

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