

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100825\
 Data File : VY023395.D
 Acq On : 08 Oct 2025 09:58
 Operator : SY/MD
 Sample : VY1008SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1008SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 03:07:08 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	567918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	839162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	741297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	386371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	227074	47.815	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.620%		
35) Dibromofluoromethane	7.634	113	251909	48.855	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.720%		
50) Toluene-d8	10.103	98	944969	49.211	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.420%		
62) 4-Bromofluorobenzene	12.402	95	299523	47.246	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	84880	20.764	ug/l	97
3) Chloromethane	2.068	50	119245	21.414	ug/l	99
4) Vinyl Chloride	2.202	62	151012	20.820	ug/l	97
5) Bromomethane	2.586	94	129967	21.352	ug/l	97
6) Chloroethane	2.733	64	103741	20.983	ug/l	97
7) Trichlorofluoromethane	3.050	101	207637	20.618	ug/l	98
8) Diethyl Ether	3.452	74	52629	19.999	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	108932	20.844	ug/l	98
10) Methyl Iodide	4.001	142	107520	18.481	ug/l	99
11) Tert butyl alcohol	4.842	59	45967	130.108	ug/l #	92
12) 1,1-Dichloroethene	3.787	96	102642	20.261	ug/l	94
13) Acrolein	3.653	56	43922	87.981	ug/l	96
14) Allyl chloride	4.379	41	123890	20.066	ug/l	98
15) Acrylonitrile	5.055	53	96975	96.293	ug/l	99
16) Acetone	3.867	43	149301	132.056	ug/l	98
17) Carbon Disulfide	4.104	76	295861	20.405	ug/l	99
18) Methyl Acetate	4.385	43	48783	16.449	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	240292	19.735	ug/l	97
20) Methylene Chloride	4.616	84	126108	20.628	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	114227	20.480	ug/l	96
22) Diisopropyl ether	6.019	45	277352	20.309	ug/l	97
23) Vinyl Acetate	5.964	43	757304	102.449	ug/l	99
24) 1,1-Dichloroethane	5.915	63	183541	20.289	ug/l	99
25) 2-Butanone	6.890	43	162666	117.851	ug/l	95
26) 2,2-Dichloropropane	6.884	77	178743	21.533	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	133544	20.728	ug/l	98
28) Bromochloromethane	7.250	49	69264	20.510	ug/l	100
29) Tetrahydrofuran	7.262	42	72485	92.608	ug/l	99
30) Chloroform	7.421	83	206586	20.785	ug/l	98
31) Cyclohexane	7.701	56	156590	19.821	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	183531	20.319	ug/l	99
36) 1,1-Dichloropropene	7.835	75	139794	20.479	ug/l	99
37) Ethyl Acetate	6.982	43	52735	19.500	ug/l	96
38) Carbon Tetrachloride	7.817	117	168178	20.318	ug/l	97
39) Methylcyclohexane	9.109	83	178007	20.028	ug/l	98
40) Benzene	8.079	78	442582	20.472	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	26520	18.131	ug/l #	93
42) 1,2-Dichloroethane	8.158	62	110921	19.895	ug/l	100
43) Isopropyl Acetate	8.195	43	104802	19.434	ug/l	99
44) Trichloroethene	8.866	130	130072	20.557	ug/l	97
45) 1,2-Dichloropropane	9.140	63	97963	20.516	ug/l	99
46) Dibromomethane	9.231	93	60971	20.193	ug/l	99
47) Bromodichloromethane	9.420	83	154730	20.347	ug/l	97
48) Methyl methacrylate	9.219	41	48656	19.206	ug/l	99
49) 1,4-Dioxane	9.225	88	13107	374.406	ug/l	99
51) 4-Methyl-2-Pentanone	10.000	43	272076	97.651	ug/l	99
52) Toluene	10.170	92	288927	20.584	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	131854	19.941	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	160832	20.609	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	82044	20.206	ug/l	95
56) Ethyl methacrylate	10.438	69	89453	19.099	ug/l	99
57) 1,3-Dichloropropane	10.719	76	129106	20.066	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	198661	94.685	ug/l	100
59) 2-Hexanone	10.762	43	216070	108.516	ug/l	99
60) Dibromochloromethane	10.908	129	113817	19.994	ug/l	100
61) 1,2-Dibromoethane	11.012	107	75825	19.581	ug/l	100
64) Tetrachloroethene	10.646	164	162112	21.179	ug/l	97
65) Chlorobenzene	11.438	112	326171	20.230	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	113096	19.684	ug/l	98
67) Ethyl Benzene	11.518	91	521976	20.001	ug/l	98
68) m/p-Xylenes	11.627	106	424368	40.540	ug/l	99
69) o-Xylene	11.957	106	194851	19.845	ug/l	99
70) Styrene	11.969	104	325494	20.159	ug/l	100
71) Bromoform	12.133	173	68848	19.318	ug/l #	99
73) Isopropylbenzene	12.255	105	510333	20.043	ug/l	100
74) N-amyl acetate	12.072	43	86446	18.902	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	78057	18.743	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	59676m	17.506	ug/l	
77) Bromobenzene	12.530	156	135714	20.049	ug/l	98
78) n-propylbenzene	12.591	91	597545	20.280	ug/l	100
79) 2-Chlorotoluene	12.676	91	347355	20.131	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	419996	20.412	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	26132	18.798	ug/l	96
82) 4-Chlorotoluene	12.773	91	356529	20.063	ug/l	100
83) tert-Butylbenzene	12.999	119	383051	20.163	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	415665	20.243	ug/l	100
85) sec-Butylbenzene	13.176	105	551210	20.227	ug/l	99
86) p-Isopropyltoluene	13.292	119	465623	20.068	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	262589	19.921	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	257711	19.795	ug/l	99
89) n-Butylbenzene	13.615	91	404933	20.029	ug/l	99
90) Hexachloroethane	13.877	117	100974	20.233	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	228549	19.776	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12655	18.520	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	138161	19.176	ug/l	99
94) Hexachlorobutadiene	15.023	225	89540	19.937	ug/l	97
95) Naphthalene	15.145	128	203940	17.776	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	120494	19.308	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

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TIC: VY023395.D\data.ms

Abundance

Time-->

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

1800000

1700000

1600000

1500000

1400000

1300000

1200000

1100000

1000000

900000

800000

700000

600000

500000

400000

300000

200000

100000

0

Dichlorodifluoromethane, T

Chloromethane, P

Vinyl Chloride, C

Bromomethane, T

Chloroethane, T

Trichlorofluoromethane, T

Diethyl Ether, T

Acrolein, T

1,1,1-Trichloroethane, T

Acetone, T

Methyl isobutyl Carbon Disulfide, T

Methyl acetate, T

Methyl Chloride, T

Methylene Chloride, T

Tert butyl alcohol, T

Acrylonitrile, T

Methyl 2-Ethylbutyrate, T

1,1-Dichloroethane, T

Disopropyl Ether, T

Acetate, T

Ethyl Acetate, T

Methacrylonitrile, T

Trichloromethane, T

Chloroform, C

1-Chloro-1,2,2,2-tetrafluoroethane, T

1,1,1-Trichloroethane, T

1,2-Dichloroethane, T

Isobutyl Acetate, TM

1,1,1-Trichloroethane, T

Trichloroethene, TM

Methyl cyclohexane, T

Bromodichloromethane, T

cis-1,3-Dichloropropene, T

2-Chloroethyl Vinyl ether, T

4-Methyl-2-Pentanone, T

Toluene, CM

Toluene-d8, S

Tetrachloroethene, T

Ethyl methyl 2-Dichloropropene, T

1,1,2-Trichloroethane, T

1,3-Dichloropropane, T

Hexanone, T

1,2-Dibromoethane, T

Chlorobenzene, TM

Chlorobenzene-d5, I

1,2-Dichlorobenzene, T

Styrene, T

o-Xylene, T

Isopropylbenzene, T

4-Bromofluorobenzene, S

Bromobenzene, T

p-propylbenzene, T

1,3,5-Trimethylbenzene, T

2-Chlorotoluene, T

tert-Butylbenzene, T

1,2,4-Trimethylbenzene, T

sec-Butylbenzene, T

1,4-Dichlorobenzene, T

n-Butylbenzene, T

1,2-Dichlorobenzene, T

Hexachloroethane, T

1,2-Dibromo-3-Chloropropane, T

1,2,4-Trichlorobenzene, T

1,2,4-Tetrachlorobenzene, T

Hexachlorobutadiene, T

1,2,3-Trichlorobenzene, T

Naphthalene, T