

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
 Data File : VY022875.D
 Acq On : 30 Jun 2025 12:32
 Operator : SY/MD
 Sample : VY0630SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0630SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 03:36:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	457956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	769619	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	654092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	308766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	249144	48.744	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.480%		
35) Dibromofluoromethane	7.634	113	233496	49.887	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.780%		
50) Toluene-d8	10.103	98	926701	49.896	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.800%		
62) 4-Bromofluorobenzene	12.401	95	286131	47.924	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	82732	21.127	ug/l	96
3) Chloromethane	2.068	50	145460	19.452	ug/l	99
4) Vinyl Chloride	2.202	62	179176	19.179	ug/l	99
5) Bromomethane	2.592	94	143449	19.532	ug/l	99
6) Chloroethane	2.732	64	122747	19.547	ug/l	96
7) Trichlorofluoromethane	3.049	101	203795	19.701	ug/l	99
8) Diethyl Ether	3.452	74	57899	22.662	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.805	101	99935	21.140	ug/l	97
10) Methyl Iodide	4.000	142	100506	19.527	ug/l	99
11) Tert butyl alcohol	4.866	59	31791	93.541	ug/l	98
12) 1,1-Dichloroethene	3.787	96	97472	21.028	ug/l	99
13) Acrolein	3.653	56	39361	85.409	ug/l	99
14) Allyl chloride	4.378	41	154821	21.715	ug/l	92
15) Acrylonitrile	5.055	53	105124	98.617	ug/l	99
16) Acetone	3.872	43	128123	132.623	ug/l	99
17) Carbon Disulfide	4.104	76	310886	20.761	ug/l	98
18) Methyl Acetate	4.391	43	55576	17.371	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	254937	20.198	ug/l	97
20) Methylene Chloride	4.610	84	139627	22.886	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	108246	20.432	ug/l	95
22) Diisopropyl ether	6.018	45	339046	21.413	ug/l	98
23) Vinyl Acetate	5.957	43	934821	106.900	ug/l	100
24) 1,1-Dichloroethane	5.909	63	200807	20.996	ug/l	98
25) 2-Butanone	6.890	43	160198	113.936	ug/l	99
26) 2,2-Dichloropropane	6.884	77	175690	21.914	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	125355	20.363	ug/l	97
28) Bromochloromethane	7.244	49	81987	20.390	ug/l	96
29) Tetrahydrofuran	7.262	42	87132	98.140	ug/l	99
30) Chloroform	7.421	83	204540	20.764	ug/l	92
31) Cyclohexane	7.701	56	188997	21.528	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	180433	21.196	ug/l	99
36) 1,1-Dichloropropene	7.835	75	148415	20.920	ug/l	99
37) Ethyl Acetate	6.982	43	63884	20.868	ug/l	98
38) Carbon Tetrachloride	7.817	117	155932	20.831	ug/l	97
39) Methylcyclohexane	9.109	83	195510	21.295	ug/l	98
40) Benzene	8.079	78	454672	20.845	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	37259m	19.770	ug/l	
42) 1,2-Dichloroethane	8.158	62	123220	20.615	ug/l	98
43) Isopropyl Acetate	8.195	43	127199	19.991	ug/l	99
44) Trichloroethene	8.859	130	111927	20.438	ug/l	98
45) 1,2-Dichloropropane	9.140	63	105621	20.690	ug/l	97
46) Dibromomethane	9.231	93	57674	19.902	ug/l	98
47) Bromodichloromethane	9.420	83	153733	20.572	ug/l	95
48) Methyl methacrylate	9.219	41	59699	19.517	ug/l	94
49) 1,4-Dioxane	9.225	88	12270	358.371	ug/l	95
51) 4-Methyl-2-Pentanone	9.993	43	317300	98.134	ug/l	96
52) Toluene	10.170	92	282203	20.508	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	136528	20.306	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	159892	20.510	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	76514	20.390	ug/l	96
56) Ethyl methacrylate	10.438	69	97705	19.353	ug/l	95
57) 1,3-Dichloropropane	10.713	76	132001	20.162	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	233088	97.996	ug/l	100
59) 2-Hexanone	10.761	43	229283	104.301	ug/l	98
60) Dibromochloromethane	10.908	129	95842	19.773	ug/l	98
61) 1,2-Dibromoethane	11.011	107	68173	19.414	ug/l	98
64) Tetrachloroethene	10.646	164	118197	19.128	ug/l	97
65) Chlorobenzene	11.438	112	293918	20.450	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	98077	20.147	ug/l	99
67) Ethyl Benzene	11.517	91	520993	20.631	ug/l	99
68) m/p-Xylenes	11.627	106	399051	40.880	ug/l	100
69) o-Xylene	11.950	106	186280	20.252	ug/l	99
70) Styrene	11.969	104	306192	19.874	ug/l	100
71) Bromoform	12.127	173	52108	19.224	ug/l #	99
73) Isopropylbenzene	12.249	105	488287	21.383	ug/l	100
74) N-amyl acetate	12.066	43	105321	20.548	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.499	83	80576	21.894	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	55086m	17.475	ug/l	
77) Bromobenzene	12.529	156	106962	20.665	ug/l	99
78) n-propylbenzene	12.590	91	593497	21.527	ug/l	99
79) 2-Chlorotoluene	12.676	91	332637	21.355	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	390931	21.207	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	25803	20.680	ug/l	97
82) 4-Chlorotoluene	12.773	91	337202	20.609	ug/l	100
83) tert-Butylbenzene	12.993	119	344699	21.203	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	392336	21.258	ug/l	99
85) sec-Butylbenzene	13.170	105	528051	21.588	ug/l	99
86) p-Isopropyltoluene	13.285	119	433785	21.310	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	214505	20.635	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	212059	20.536	ug/l	98
89) n-Butylbenzene	13.615	91	415050	21.677	ug/l	99
90) Hexachloroethane	13.877	117	85333	21.048	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	188591	20.587	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	12577	20.152	ug/l	96
93) 1,2,4-Trichlorobenzene	14.913	180	106828	20.654	ug/l	99
94) Hexachlorobutadiene	15.017	225	63162	21.595	ug/l	98
95) Naphthalene	15.139	128	181037	19.355	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	90763	20.307	ug/l	99

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

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