

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022590.D
 Acq On : 06 Jun 2025 10:59
 Operator : SY/MD
 Sample : VY0606SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0606SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh

Dadoda

06/09/2025

Supervised By :Semsettin

Yesilyurt

06/09/2025

Quant Time: Jun 06 23:40:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	160974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	277756	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	234318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	111930	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.055	65	94634	52.563	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.120%	
35) Dibromofluoromethane	7.628	113	85219	51.403	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.800%	
50) Toluene-d8	10.103	98	339991	50.754	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.500%	
62) 4-Bromofluorobenzene	12.401	95	101044	50.625	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.260%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	31290	21.711	ug/l	99
3) Chloromethane	2.068	50	92867	21.812	ug/l	95
4) Vinyl Chloride	2.202	62	132466	26.819	ug/l	99
5) Bromomethane	2.586	94	117517	24.824	ug/l	98
6) Chloroethane	2.726	64	92886	27.399	ug/l	94
7) Trichlorofluoromethane	3.043	101	120864	28.825	ug/l	97
8) Diethyl Ether	3.452	74	20285	21.482	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.805	101	36068	20.424	ug/l	98
10) Methyl Iodide	4.000	142	35573	18.614	ug/l	97
11) Tert butyl alcohol	4.872	59	15201	118.212	ug/l #	93
12) 1,1-Dichloroethene	3.781	96	35808	21.212	ug/l	90
13) Acrolein	3.653	56	15080	94.099	ug/l	98
14) Allyl chloride	4.378	41	54088	20.410	ug/l	99
15) Acrylonitrile	5.055	53	43357	108.414	ug/l	98
16) Acetone	3.872	43	33442	91.463	ug/l	100
17) Carbon Disulfide	4.098	76	110888	20.518	ug/l	97
18) Methyl Acetate	4.385	43	24581	22.702	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	101594	21.367	ug/l	98
20) Methylene Chloride	4.610	84	46892	22.577	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	40322	21.342	ug/l	95
22) Diisopropyl ether	6.012	45	125670	21.304	ug/l	96
23) Vinyl Acetate	5.957	43	366979	105.112	ug/l	99
24) 1,1-Dichloroethane	5.909	63	75732	21.793	ug/l	100
25) 2-Butanone	6.896	43	55057	104.391	ug/l	99
26) 2,2-Dichloropropane	6.878	77	62220	20.264	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	46020	21.074	ug/l	96
28) Bromochloromethane	7.244	49	32419	21.401	ug/l	99
29) Tetrahydrofuran	7.262	42	37081	109.009	ug/l	98
30) Chloroform	7.415	83	76671	22.275	ug/l	95
31) Cyclohexane	7.701	56	69133	19.983	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	67090	21.957	ug/l	100
36) 1,1-Dichloropropene	7.829	75	56134	20.862	ug/l	98
37) Ethyl Acetate	6.982	43	27250m	22.710	ug/l	
38) Carbon Tetrachloride	7.817	117	56635	20.518	ug/l	93
39) Methylcyclohexane	9.103	83	70459	19.486	ug/l	98
40) Benzene	8.079	78	167803	21.115	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	15629	22.299	ug/l	92
42) 1,2-Dichloroethane	8.158	62	47551	21.913	ug/l	98
43) Isopropyl Acetate	8.195	43	53906	20.801	ug/l	99
44) Trichloroethene	8.859	130	39000	20.079	ug/l	96
45) 1,2-Dichloropropane	9.140	63	40498	21.562	ug/l	97
46) Dibromomethane	9.225	93	22802	21.579	ug/l	99
47) Bromodichloromethane	9.420	83	57312	21.391	ug/l	97
48) Methyl methacrylate	9.219	41	24889m	20.463	ug/l	
49) 1,4-Dioxane	9.219	88	5638	450.382	ug/l	96
51) 4-Methyl-2-Pentanone	9.993	43	137603	106.500	ug/l	99
52) Toluene	10.170	92	102330	20.489	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	50824	20.245	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	60653	20.755	ug/l	99
55) 1,1,2-Trichloroethane	10.566	97	28771	21.353	ug/l	97
56) Ethyl methacrylate	10.438	69	38457	19.748	ug/l	96
57) 1,3-Dichloropropane	10.713	76	52150	21.838	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	99501	112.537	ug/l	100
59) 2-Hexanone	10.755	43	88588	102.519	ug/l	99
60) Dibromochloromethane	10.908	129	35189	20.551	ug/l	97
61) 1,2-Dibromoethane	11.011	107	26142	21.287	ug/l	99
64) Tetrachloroethene	10.646	164	38162	18.933	ug/l	99
65) Chlorobenzene	11.438	112	109184	21.057	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.511	131	36483	20.886	ug/l	99
67) Ethyl Benzene	11.517	91	198428	20.632	ug/l	98
68) m/p-Xylenes	11.627	106	146254	40.115	ug/l	100
69) o-Xylene	11.950	106	69188	20.241	ug/l	100
70) Styrene	11.969	104	116137	20.554	ug/l	100
71) Bromoform	12.127	173	19129	20.579	ug/l #	95
73) Isopropylbenzene	12.249	105	179014	19.480	ug/l	99
74) N-amyl acetate	12.066	43	45875	19.785	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	33670	22.324	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	21077m	16.460	ug/l	
77) Bromobenzene	12.529	156	39952	20.602	ug/l	100
78) n-propylbenzene	12.590	91	220988	19.689	ug/l	100
79) 2-Chlorotoluene	12.676	91	118216	19.873	ug/l	98
80) 1,3,5-Trimethylbenzene	12.731	105	144387	20.013	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	10187	19.212	ug/l	99
82) 4-Chlorotoluene	12.773	91	118156	19.254	ug/l	96
83) tert-Butylbenzene	12.993	119	127410	19.677	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	143620	19.904	ug/l	99
85) sec-Butylbenzene	13.170	105	194833	19.646	ug/l	100
86) p-Isopropyltoluene	13.285	119	159191	19.474	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	79862	20.326	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	78101	20.495	ug/l	98
89) n-Butylbenzene	13.615	91	154050	19.863	ug/l	99
90) Hexachloroethane	13.877	117	32273	20.280	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	69139	20.726	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	4511	20.543	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	38679	21.260	ug/l	95
94) Hexachlorobutadiene	15.017	225	21151	21.063	ug/l	96
95) Naphthalene	15.139	128	72698	20.822	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	33257	21.329	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

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