

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082225\
 Data File : VY023186.D
 Acq On : 22 Aug 2025 12:05
 Operator : SY/MD
 Sample : VY0822SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0822SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/25/2025
 Supervised By : Mahesh Dadoda 08/25/2025

Quant Time: Aug 25 05:13:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	478936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	742661	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	649397	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	324962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	216379	47.404	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.800%
35) Dibromofluoromethane	7.634	113	226851	51.048	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.100%
50) Toluene-d8	10.103	98	883998	50.921	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.840%
62) 4-Bromofluorobenzene	12.401	95	270668	48.481	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.866	85	84964	21.734	ug/l	100
3) Chloromethane	2.068	50	128055	20.224	ug/l	99
4) Vinyl Chloride	2.202	62	165848	21.189	ug/l	98
5) Bromomethane	2.592	94	133508	22.840	ug/l	99
6) Chloroethane	2.732	64	110050	21.149	ug/l	100
7) Trichlorofluoromethane	3.055	101	198635	20.871	ug/l	99
8) Diethyl Ether	3.458	74	51199	20.333	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	100863	21.481	ug/l	98
10) Methyl Iodide	4.000	142	108619	21.438	ug/l	99
11) Tert butyl alcohol	4.854	59	26909	86.037	ug/l	99
12) 1,1-Dichloroethene	3.793	96	96709	20.954	ug/l	92
13) Acrolein	3.653	56	29301	63.970	ug/l	96
14) Allyl chloride	4.384	41	128870	18.977	ug/l	98
15) Acrylonitrile	5.055	53	96600	94.365	ug/l	98
16) Acetone	3.866	43	113156	114.427	ug/l	97
17) Carbon Disulfide	4.104	76	308324	20.489	ug/l	97
18) Methyl Acetate	4.384	43	52872	17.967	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	224603	18.780	ug/l	99
20) Methylene Chloride	4.616	84	136514	25.219	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	109234	21.061	ug/l	97
22) Diisopropyl ether	6.018	45	286998	19.448	ug/l	97
23) Vinyl Acetate	5.957	43	750873	92.021	ug/l	100
24) 1,1-Dichloroethane	5.921	63	185369	20.546	ug/l	97
25) 2-Butanone	6.890	43	136197	101.267	ug/l	92
26) 2,2-Dichloropropane	6.884	77	161750	20.777	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	121617	20.283	ug/l	98
28) Bromochloromethane	7.244	49	69737	19.483	ug/l	94
29) Tetrahydrofuran	7.262	42	73637	88.329	ug/l	98
30) Chloroform	7.420	83	195484	21.009	ug/l	95
31) Cyclohexane	7.701	56	165731	19.493	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	172772	20.926	ug/l	100
36) 1,1-Dichloropropene	7.835	75	141443	21.417	ug/l	99
37) Ethyl Acetate	6.987	43	51488	18.559	ug/l	98
38) Carbon Tetrachloride	7.817	117	155727	21.710	ug/l	99
39) Methylcyclohexane	9.109	83	178754	20.554	ug/l	97
40) Benzene	8.079	78	436293	21.434	ug/l	99

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	30081m	18.788	ug/l	
42) 1,2-Dichloroethane	8.158	62	108713	20.535	ug/l	99
43) Isopropyl Acetate	8.201	43	101233	18.054	ug/l	96
44) Trichloroethene	8.865	130	118089	22.449	ug/l	97
45) 1,2-Dichloropropane	9.140	63	98214	20.970	ug/l	98
46) Dibromomethane	9.231	93	57132	21.253	ug/l	100
47) Bromodichloromethane	9.420	83	146522	21.183	ug/l	98
48) Methyl methacrylate	9.219	41	45980	17.137	ug/l	89
49) 1,4-Dioxane	9.225	88	12108	384.141	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	262515	90.762	ug/l	98
52) Toluene	10.170	92	278016	21.505	ug/l	99
53) t-1,3-Dichloropropene	10.389	75	125195	19.987	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	151005	20.388	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	74919	20.828	ug/l	98
56) Ethyl methacrylate	10.438	69	84693	18.400	ug/l	96
57) 1,3-Dichloropropane	10.712	76	123805	20.295	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.706	63	211804	97.554	ug/l	98
59) 2-Hexanone	10.761	43	190698	96.826	ug/l	98
60) Dibromochloromethane	10.908	129	99615	20.988	ug/l	97
61) 1,2-Dibromoethane	11.011	107	69174	20.461	ug/l	98
64) Tetrachloroethene	10.645	164	135153	23.308	ug/l	97
65) Chlorobenzene	11.438	112	300618	21.461	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.511	131	102258	21.510	ug/l	99
67) Ethyl Benzene	11.517	91	502722	20.855	ug/l	98
68) m/p-Xylenes	11.627	106	400362	42.525	ug/l	97
69) o-Xylene	11.950	106	183461	20.806	ug/l	100
70) Styrene	11.968	104	306022	21.222	ug/l	99
71) Bromoform	12.127	173	57530	20.705	ug/l #	98
73) Isopropylbenzene	12.249	105	479041	20.886	ug/l	100
74) N-amyl acetate	12.066	43	84231	17.318	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	75367	19.245	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	66101m	21.077	ug/l	
77) Bromobenzene	12.529	156	115605	21.128	ug/l	96
78) n-propylbenzene	12.590	91	572499	20.966	ug/l	98
79) 2-Chlorotoluene	12.675	91	324864	20.764	ug/l	99
80) 1,3,5-Trimethylbenzene	12.730	105	389444	21.010	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	24898	19.217	ug/l	99
82) 4-Chlorotoluene	12.773	91	336841	20.754	ug/l	99
83) tert-Butylbenzene	12.992	119	354160	21.155	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	388014	21.028	ug/l	99
85) sec-Butylbenzene	13.169	105	513289	20.872	ug/l	99
86) p-Isopropyltoluene	13.285	119	432780	21.201	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	231560	21.460	ug/l	98
88) 1,4-Dichlorobenzene	13.364	146	224080	20.935	ug/l	98
89) n-Butylbenzene	13.614	91	384866	20.528	ug/l	99
90) Hexachloroethane	13.876	117	88815	21.254	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	199008	21.030	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11968	19.628	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	111401	19.907	ug/l	99
94) Hexachlorobutadiene	15.017	225	69600	21.165	ug/l	98
95) Naphthalene	15.138	128	171832	18.007	ug/l	100
96) 1,2,3-Trichlorobenzene	15.321	180	93453	19.380	ug/l	99

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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

