

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
 Data File : VY023365.D
 Acq On : 25 Sep 2025 11:17
 Operator : SY/MD
 Sample : VY0925SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0925SBS01

Quant Time: Sep 26 04:22:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
 Supervised By :Semsettin Yesilyurt 09/29/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	598680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	900176	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	766959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	395796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	247912	47.125	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.260%		
35) Dibromofluoromethane	7.634	113	268129	48.729	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.460%		
50) Toluene-d8	10.103	98	1022544	49.214	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.420%		
62) 4-Bromofluorobenzene	12.401	95	323016	49.401	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	103021	21.449	ug/l	98
3) Chloromethane	2.074	50	138394	20.136	ug/l	99
4) Vinyl Chloride	2.208	62	173717	20.063	ug/l	98
5) Bromomethane	2.592	94	145107	20.525	ug/l	99
6) Chloroethane	2.732	64	115887	19.778	ug/l	98
7) Trichlorofluoromethane	3.056	101	232765	21.299	ug/l	100
8) Diethyl Ether	3.458	74	60088	20.780	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.811	101	122258	20.803	ug/l	95
10) Methyl Iodide	4.007	142	119283	17.399	ug/l	98
11) Tert butyl alcohol	4.860	59	45008	148.067	ug/l #	85
12) 1,1-Dichloroethene	3.787	96	116029	20.523	ug/l	92
13) Acrolein	3.653	56	29745	57.882	ug/l	99
14) Allyl chloride	4.385	41	141543	19.819	ug/l	96
15) Acrylonitrile	5.061	53	108141	95.001	ug/l	99
16) Acetone	3.866	43	151981	126.831	ug/l	99
17) Carbon Disulfide	4.104	76	340340	19.014	ug/l	98
18) Methyl Acetate	4.385	43	54157	18.424	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	270510	20.349	ug/l	96
20) Methylene Chloride	4.616	84	160324	25.007	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	127414	20.170	ug/l	91
22) Diisopropyl ether	6.018	45	315762	19.852	ug/l	93
23) Vinyl Acetate	5.957	43	860397	97.849	ug/l	96
24) 1,1-Dichloroethane	5.915	63	204945	19.700	ug/l	97
25) 2-Butanone	6.896	43	168181	114.034	ug/l	93
26) 2,2-Dichloropropane	6.884	77	196687	21.412	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	142243	19.884	ug/l	97
28) Bromochloromethane	7.244	49	77765	18.997	ug/l	87
29) Tetrahydrofuran	7.262	42	83936	95.950	ug/l	97
30) Chloroform	7.421	83	221144	19.784	ug/l	98
31) Cyclohexane	7.701	56	184356	20.026	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	202126	20.239	ug/l	98
36) 1,1-Dichloropropene	7.835	75	159084	20.299	ug/l	98
37) Ethyl Acetate	6.982	43	61078	19.592	ug/l	98
38) Carbon Tetrachloride	7.817	117	184211	20.428	ug/l	96
39) Methylcyclohexane	9.109	83	209817	20.927	ug/l	97
40) Benzene	8.079	78	493920	20.276	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	33959	21.035	ug/l	93
42) 1,2-Dichloroethane	8.158	62	123135	19.854	ug/l	99
43) Isopropyl Acetate	8.201	43	115282	19.012	ug/l	97
44) Trichloroethene	8.865	130	139028	20.490	ug/l	98
45) 1,2-Dichloropropane	9.140	63	108534	19.728	ug/l	99
46) Dibromomethane	9.231	93	65598	19.579	ug/l	95
47) Bromodichloromethane	9.426	83	167015	19.815	ug/l	98
48) Methyl methacrylate	9.219	41	55373	19.592	ug/l	95
49) 1,4-Dioxane	9.231	88	15719	462.192	ug/l	90
51) 4-Methyl-2-Pentanone	9.999	43	304753	98.240	ug/l	99
52) Toluene	10.170	92	315978	20.440	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	146036	20.124	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	176473	20.352	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	86951	19.510	ug/l	98
56) Ethyl methacrylate	10.438	69	98294	19.037	ug/l	96
57) 1,3-Dichloropropane	10.719	76	142592	19.708	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	199812	88.789	ug/l	94
59) 2-Hexanone	10.761	43	237323	110.665	ug/l	99
60) Dibromochloromethane	10.908	129	119292	19.728	ug/l	99
61) 1,2-Dibromoethane	11.011	107	83105	19.900	ug/l	98
64) Tetrachloroethene	10.646	164	158921	20.790	ug/l	97
65) Chlorobenzene	11.438	112	348582	20.746	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.517	131	121408	20.586	ug/l	97
67) Ethyl Benzene	11.517	91	577616	21.043	ug/l	99
68) m/p-Xylenes	11.627	106	461675	42.003	ug/l	97
69) o-Xylene	11.950	106	213922	21.024	ug/l	98
70) Styrene	11.969	104	348399	20.660	ug/l	98
71) Bromoform	12.127	173	71954	20.488	ug/l #	100
73) Isopropylbenzene	12.255	105	560183	21.011	ug/l	99
74) N-amyl acetate	12.066	43	96595	19.168	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	88830	19.853	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	78604m	19.611	ug/l	
77) Bromobenzene	12.529	156	139670	20.505	ug/l	92
78) n-propylbenzene	12.590	91	661591	21.054	ug/l	98
79) 2-Chlorotoluene	12.676	91	376376	20.796	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	458943	21.165	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	29221	19.881	ug/l	98
82) 4-Chlorotoluene	12.773	91	392020	20.701	ug/l	97
83) tert-Butylbenzene	12.993	119	423818	21.581	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	453302	21.132	ug/l	98
85) sec-Butylbenzene	13.170	105	606313	21.219	ug/l	97
86) p-Isopropyltoluene	13.291	119	512422	21.230	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	276657	20.526	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	272791	20.434	ug/l	99
89) n-Butylbenzene	13.615	91	451428	21.089	ug/l	99
90) Hexachloroethane	13.877	117	106341	20.322	ug/l	91
91) 1,2-Dichlorobenzene	13.657	146	241606	20.559	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	13602	19.374	ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	147613	21.534	ug/l	98
94) Hexachlorobutadiene	15.017	225	95889	22.624	ug/l	99
95) Naphthalene	15.139	128	220909	20.050	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	125867	21.143	ug/l	99

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

