

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
 Data File : VY023366.D
 Acq On : 25 Sep 2025 11:40
 Operator : SY/MD
 Sample : VY0925SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0925SBS01

Manual Integrations
 APPROVED

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

Quant Time: Sep 26 04:23:15 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

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	592925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	889198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	770961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	390902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	239601	45.988	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.980%		
35) Dibromofluoromethane	7.634	113	257407	47.358	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.720%		
50) Toluene-d8	10.103	98	978070	47.654	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.300%		
62) 4-Bromofluorobenzene	12.401	95	311387	48.210	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.420%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	98469	20.700	ug/l	100
3) Chloromethane	2.068	50	136406	20.040	ug/l	99
4) Vinyl Chloride	2.202	62	175750	20.495	ug/l	98
5) Bromomethane	2.586	94	139428	19.913	ug/l	98
6) Chloroethane	2.732	64	115449	19.894	ug/l	100
7) Trichlorofluoromethane	3.050	101	230196	21.269	ug/l	99
8) Diethyl Ether	3.452	74	56899	19.868	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.818	101	115021	19.761	ug/l	94
10) Methyl Iodide	4.001	142	117289	17.274	ug/l	100
11) Tert butyl alcohol	4.854	59	51410	170.770	ug/l #	91
12) 1,1-Dichloroethene	3.787	96	111001	19.824	ug/l	91
13) Acrolein	3.647	56	28510	56.017	ug/l	97
14) Allyl chloride	4.385	41	141279	19.974	ug/l	98
15) Acrylonitrile	5.055	53	107374	95.242	ug/l	98
16) Acetone	3.866	43	143362	120.800	ug/l	95
17) Carbon Disulfide	4.104	76	331564	18.703	ug/l	99
18) Methyl Acetate	4.385	43	54588	18.751	ug/l	93
19) Methyl tert-butyl Ether	5.122	73	255781	19.428	ug/l	96
20) Methylene Chloride	4.616	84	157095	24.742	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	122158	19.526	ug/l	94
22) Diisopropyl ether	6.018	45	307358	19.512	ug/l	95
23) Vinyl Acetate	5.958	43	837181	96.133	ug/l	99
24) 1,1-Dichloroethane	5.915	63	199563	19.369	ug/l	96
25) 2-Butanone	6.896	43	161839	110.799	ug/l	96
26) 2,2-Dichloropropane	6.884	77	188033	20.669	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	140870	19.884	ug/l	94
28) Bromochloromethane	7.244	49	75050	18.512	ug/l	84
29) Tetrahydrofuran	7.262	42	80033	92.377	ug/l	95
30) Chloroform	7.421	83	214974	19.419	ug/l	100
31) Cyclohexane	7.701	56	175720	19.273	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	193556	19.569	ug/l	99
36) 1,1-Dichloropropene	7.835	75	150075	19.386	ug/l	97
37) Ethyl Acetate	6.982	43	60547	19.661	ug/l	97
38) Carbon Tetrachloride	7.817	117	175932	19.750	ug/l	97
39) Methylcyclohexane	9.109	83	199790	20.173	ug/l	96
40) Benzene	8.079	78	476629	19.808	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	32809	20.573	ug/l	95
42) 1,2-Dichloroethane	8.158	62	117074	19.110	ug/l	98
43) Isopropyl Acetate	8.195	43	110745	18.489	ug/l	96
44) Trichloroethene	8.866	130	135810	20.263	ug/l	96
45) 1,2-Dichloropropane	9.140	63	105734	19.456	ug/l	100
46) Dibromomethane	9.231	93	62530	18.894	ug/l	93
47) Bromodichloromethane	9.420	83	159874	19.202	ug/l	99
48) Methyl methacrylate	9.219	41	51218	18.346	ug/l	93
49) 1,4-Dioxane	9.231	88	14304	425.779	ug/l	94
51) 4-Methyl-2-Pentanone	9.993	43	295709	96.501	ug/l	99
52) Toluene	10.170	92	304551	19.944	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	139955	19.524	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	169530	19.792	ug/l	99
55) 1,1,2-Trichloroethane	10.566	97	82603	18.763	ug/l	95
56) Ethyl methacrylate	10.438	69	93470	18.326	ug/l	98
57) 1,3-Dichloropropane	10.713	76	136358	19.079	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	205007	92.223	ug/l	94
59) 2-Hexanone	10.755	43	226634	106.986	ug/l	99
60) Dibromochloromethane	10.908	129	115856	19.396	ug/l	98
61) 1,2-Dibromoethane	11.012	107	78556	19.043	ug/l	100
64) Tetrachloroethene	10.646	164	162859	21.195	ug/l	97
65) Chlorobenzene	11.438	112	340773	20.176	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	117850	19.879	ug/l	98
67) Ethyl Benzene	11.518	91	559720	20.285	ug/l	99
68) m/p-Xylenes	11.627	106	450282	40.754	ug/l	96
69) o-Xylene	11.950	106	212209	20.748	ug/l	96
70) Styrene	11.969	104	341419	20.141	ug/l	98
71) Bromoform	12.127	173	69328	19.638	ug/l #	100
73) Isopropylbenzene	12.249	105	542313	20.596	ug/l	98
74) N-amyl acetate	12.066	43	94890	19.065	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	83981	19.004	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	71527m	18.069	ug/l	
77) Bromobenzene	12.530	156	137321	20.413	ug/l	91
78) n-propylbenzene	12.590	91	643916	20.748	ug/l	98
79) 2-Chlorotoluene	12.676	91	367438	20.556	ug/l	97
80) 1,3,5-Trimethylbenzene	12.731	105	440027	20.547	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	28763	19.815	ug/l	98
82) 4-Chlorotoluene	12.773	91	374694	20.033	ug/l	96
83) tert-Butylbenzene	12.993	119	411311	21.206	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	440345	20.785	ug/l	97
85) sec-Butylbenzene	13.170	105	590845	20.936	ug/l	98
86) p-Isopropyltoluene	13.285	119	499377	20.948	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	271202	20.373	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	263436	19.980	ug/l	98
89) n-Butylbenzene	13.615	91	436237	20.634	ug/l	98
90) Hexachloroethane	13.877	117	102679	19.868	ug/l	92
91) 1,2-Dichlorobenzene	13.657	146	236124	20.344	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	13796	19.896	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	146037	21.571	ug/l	98
94) Hexachlorobutadiene	15.017	225	94805	22.648	ug/l	100
95) Naphthalene	15.139	128	220941	20.304	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	122051	20.758	ug/l	98

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

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