

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
 Data File : VY023280.D
 Acq On : 04 Sep 2025 10:03
 Operator : SY/MD
 Sample : VY0904SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0904SBS01

Quant Time: Sep 05 04:22:32 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/05/2025
 Supervised By :Semsettin Yesilyurt 09/05/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	464615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	719782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	635502	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	337206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	215256	48.611	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.220%			
35) Dibromofluoromethane	7.640	113	228035	52.946	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.900%			
50) Toluene-d8	10.109	98	873491	51.915	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.820%			
62) 4-Bromofluorobenzene	12.408	95	278883	51.540	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	76526	20.178	ug/l	96
3) Chloromethane	2.074	50	116769	19.010	ug/l	99
4) Vinyl Chloride	2.208	62	144889	19.082	ug/l	96
5) Bromomethane	2.592	94	125488	22.129	ug/l	99
6) Chloroethane	2.733	64	102422	20.289	ug/l	99
7) Trichlorofluoromethane	3.056	101	184544	19.988	ug/l	100
8) Diethyl Ether	3.458	74	48551	19.876	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.812	101	96658	21.220	ug/l	97
10) Methyl Iodide	4.007	142	104331	21.226	ug/l	99
11) Tert butyl alcohol	4.866	59	26564	87.552	ug/l #	89
12) 1,1-Dichloroethene	3.793	96	90033	20.109	ug/l	93
13) Acrolein	3.653	56	18220	41.004	ug/l	98
14) Allyl chloride	4.385	41	117629	17.855	ug/l	98
15) Acrylonitrile	5.055	53	96946	97.622	ug/l	99
16) Acetone	3.867	43	126391	131.750	ug/l	97
17) Carbon Disulfide	4.110	76	281241	19.265	ug/l	99
18) Methyl Acetate	4.385	43	51383	17.999	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	223863	19.296	ug/l	98
20) Methylene Chloride	4.616	84	113665	21.238	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	104802	20.829	ug/l	93
22) Diisopropyl ether	6.019	45	270975	18.929	ug/l	93
23) Vinyl Acetate	5.964	43	741430	93.664	ug/l	100
24) 1,1-Dichloroethane	5.915	63	176604	20.178	ug/l	99
25) 2-Butanone	6.896	43	141948	108.796	ug/l	98
26) 2,2-Dichloropropane	6.890	77	153698	20.351	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	119818	20.599	ug/l	95
28) Bromochloromethane	7.250	49	70122	20.194	ug/l	91
29) Tetrahydrofuran	7.268	42	74982	92.715	ug/l	97
30) Chloroform	7.421	83	191797	21.248	ug/l	96
31) Cyclohexane	7.701	56	143260	17.369	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	169084	21.111	ug/l	98
36) 1,1-Dichloropropene	7.841	75	130122	20.329	ug/l	99
37) Ethyl Acetate	6.988	43	52951	19.693	ug/l	99
38) Carbon Tetrachloride	7.823	117	148999	21.432	ug/l	99
39) Methylcyclohexane	9.110	83	159680	18.944	ug/l	98
40) Benzene	8.085	78	417201	21.148	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	28793m	18.555	ug/l	
42) 1,2-Dichloroethane	8.158	62	106515	20.760	ug/l	100
43) Isopropyl Acetate	8.201	43	102085	18.785	ug/l	96
44) Trichloroethene	8.866	130	113489	22.261	ug/l	100
45) 1,2-Dichloropropane	9.146	63	96879	21.343	ug/l	97
46) Dibromomethane	9.231	93	58837	22.583	ug/l	98
47) Bromodichloromethane	9.427	83	147062	21.937	ug/l	99
48) Methyl methacrylate	9.225	41	49046	18.860	ug/l	95
49) 1,4-Dioxane	9.238	88	11933	390.623	ug/l	90
51) 4-Methyl-2-Pentanone	10.000	43	271497	96.851	ug/l	98
52) Toluene	10.170	92	268932	21.464	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	123653	20.369	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	148656	20.708	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	77528	22.238	ug/l	96
56) Ethyl methacrylate	10.439	69	86272	19.339	ug/l	96
57) 1,3-Dichloropropane	10.719	76	126523	21.400	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	191696	91.099	ug/l	97
59) 2-Hexanone	10.762	43	198151	103.809	ug/l	98
60) Dibromochloromethane	10.914	129	105284	22.887	ug/l	100
61) 1,2-Dibromoethane	11.018	107	71985	21.969	ug/l	99
64) Tetrachloroethene	10.646	164	137146	24.168	ug/l	99
65) Chlorobenzene	11.444	112	297437	21.698	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.518	131	104263	22.411	ug/l	97
67) Ethyl Benzene	11.518	91	479579	20.330	ug/l	99
68) m/p-Xylenes	11.627	106	387341	42.041	ug/l	96
69) o-Xylene	11.957	106	176786	20.487	ug/l	99
70) Styrene	11.969	104	298764	21.171	ug/l	98
71) Bromoform	12.133	173	61882	22.759	ug/l #	99
73) Isopropylbenzene	12.255	105	456549	19.183	ug/l	99
74) N-amyl acetate	12.072	43	86689	17.176	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	77389	19.044	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	61537m	18.909	ug/l	
77) Bromobenzene	12.530	156	119554	21.056	ug/l	94
78) n-propylbenzene	12.597	91	556852	19.652	ug/l	99
79) 2-Chlorotoluene	12.682	91	320181	19.722	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	378421	19.674	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	25518	18.981	ug/l	99
82) 4-Chlorotoluene	12.780	91	334580	19.866	ug/l	97
83) tert-Butylbenzene	12.999	119	333508	19.198	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	381947	19.948	ug/l	98
85) sec-Butylbenzene	13.176	105	498476	19.533	ug/l	100
86) p-Isopropyltoluene	13.292	119	417678	19.718	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	237048	21.171	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	233410	21.014	ug/l	99
89) n-Butylbenzene	13.615	91	370837	19.061	ug/l	98
90) Hexachloroethane	13.877	117	92271	21.279	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	208155	21.198	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12537	19.815	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	119717	20.616	ug/l	99
94) Hexachlorobutadiene	15.023	225	74023	21.693	ug/l	98
95) Naphthalene	15.145	128	184430	18.625	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	103819	20.748	ug/l	99

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

