

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091225\
 Data File : VY023358.D
 Acq On : 12 Sep 2025 10:30
 Operator : SY/MD
 Sample : VY0912SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0912SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/15/2025
 Supervised By :Semsettin Yesilyurt 09/15/2025

Quant Time: Sep 12 23:58:57 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	7.713	168	521522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	795694	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	701619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	361007	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	216575	47.259	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.520%
35) Dibromofluoromethane	7.634	113	234666	48.247	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.500%
50) Toluene-d8	10.103	98	888595	48.383	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.760%
62) 4-Bromofluorobenzene	12.402	95	283623	49.072	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.140%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	82412	19.697	ug/l	99
3) Chloromethane	2.074	50	116635	19.481	ug/l	99
4) Vinyl Chloride	2.202	62	149432	19.812	ug/l	96
5) Bromomethane	2.592	94	132770	21.558	ug/l	97
6) Chloroethane	2.733	64	103198	20.218	ug/l	97
7) Trichlorofluoromethane	3.056	101	192899	20.263	ug/l	97
8) Diethyl Ether	3.458	74	50624	20.098	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.812	101	100608	19.651	ug/l	96
10) Methyl Iodide	4.007	142	107879	18.063	ug/l	99
11) Tert butyl alcohol	4.872	59	27655	104.440	ug/l	98
12) 1,1-Dichloroethene	3.787	96	94243	19.135	ug/l	86
13) Acrolein	3.647	56	36482	81.495	ug/l	92
14) Allyl chloride	4.385	41	115131	18.505	ug/l	96
15) Acrylonitrile	5.061	53	94467	95.266	ug/l	98
16) Acetone	3.873	43	102666	98.353	ug/l	100
17) Carbon Disulfide	4.110	76	296681	19.027	ug/l	99
18) Methyl Acetate	4.385	43	49759	19.433	ug/l	93
19) Methyl tert-butyl Ether	5.122	73	228069	19.695	ug/l	98
20) Methylene Chloride	4.616	84	125034	22.388	ug/l	91
21) trans-1,2-Dichloroethene	5.116	96	108177	19.658	ug/l	91
22) Diisopropyl ether	6.019	45	264401	19.083	ug/l	93
23) Vinyl Acetate	5.964	43	715333	93.387	ug/l	95
24) 1,1-Dichloroethane	5.915	63	175617	19.379	ug/l	97
25) 2-Butanone	6.896	43	126925	98.793	ug/l	98
26) 2,2-Dichloropropane	6.890	77	156898	19.608	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	124013	19.901	ug/l	93
28) Bromochloromethane	7.250	49	67872	19.033	ug/l	83
29) Tetrahydrofuran	7.262	42	71614	93.976	ug/l	93
30) Chloroform	7.421	83	192006	19.718	ug/l	98
31) Cyclohexane	7.701	56	148822	18.558	ug/l	91
32) 1,1,1-Trichloroethane	7.616	97	169914	19.531	ug/l	99
36) 1,1-Dichloropropene	7.835	75	131192	18.938	ug/l	97
37) Ethyl Acetate	6.988	43	49932	18.119	ug/l	97
38) Carbon Tetrachloride	7.817	117	158285	19.857	ug/l	98
39) Methylcyclohexane	9.109	83	168646	19.030	ug/l	95
40) Benzene	8.079	78	422611	19.627	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	27766m	19.457	ug/l	
42) 1,2-Dichloroethane	8.158	62	104840	19.124	ug/l	96
43) Isopropyl Acetate	8.195	43	101845	19.002	ug/l	93
44) Trichloroethene	8.866	130	118489	19.756	ug/l	96
45) 1,2-Dichloropropane	9.140	63	93597	19.247	ug/l	99
46) Dibromomethane	9.231	93	57489	19.412	ug/l	94
47) Bromodichloromethane	9.420	83	147479	19.795	ug/l	100
48) Methyl methacrylate	9.219	41	47066	18.840	ug/l	92
49) 1,4-Dioxane	9.231	88	12657	421.027	ug/l #	88
51) 4-Methyl-2-Pentanone	10.000	43	264147	96.331	ug/l	97
52) Toluene	10.170	92	273260	19.998	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	124250	19.370	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	150010	19.571	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	78415	19.905	ug/l	96
56) Ethyl methacrylate	10.438	69	86164	18.879	ug/l	96
57) 1,3-Dichloropropane	10.713	76	127097	19.873	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	176886	88.923	ug/l	95
59) 2-Hexanone	10.762	43	187177	98.743	ug/l	98
60) Dibromochloromethane	10.908	129	106029	19.837	ug/l	100
61) 1,2-Dibromoethane	11.012	107	72712	19.697	ug/l	98
64) Tetrachloroethene	10.646	164	141216	20.195	ug/l	96
65) Chlorobenzene	11.438	112	305788	19.894	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	106362	19.715	ug/l	98
67) Ethyl Benzene	11.518	91	490318	19.526	ug/l	97
68) m/p-Xylenes	11.627	106	395652	39.348	ug/l	96
69) o-Xylene	11.950	106	182912	19.651	ug/l	98
70) Styrene	11.969	104	307797	19.952	ug/l	98
71) Bromoform	12.133	173	64507	20.078	ug/l #	99
73) Isopropylbenzene	12.255	105	475912	19.571	ug/l	98
74) N-amyl acetate	12.072	43	84462	18.375	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.505	83	79557	19.494	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	68649m	18.778	ug/l	
77) Bromobenzene	12.530	156	123175	19.826	ug/l	91
78) n-propylbenzene	12.591	91	565985	19.748	ug/l	98
79) 2-Chlorotoluene	12.676	91	324984	19.686	ug/l	96
80) 1,3,5-Trimethylbenzene	12.737	105	391065	19.773	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	25576	19.078	ug/l	99
82) 4-Chlorotoluene	12.773	91	338512	19.598	ug/l	97
83) tert-Butylbenzene	12.993	119	350150	19.548	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	389102	19.887	ug/l	97
85) sec-Butylbenzene	13.170	105	510254	19.578	ug/l	98
86) p-Isopropyltoluene	13.286	119	433842	19.706	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	242923	19.760	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	241013	19.793	ug/l	99
89) n-Butylbenzene	13.615	91	379341	19.429	ug/l	99
90) Hexachloroethane	13.877	117	93232	19.534	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	213210	19.891	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	12466	19.467	ug/l	89
93) 1,2,4-Trichlorobenzene	14.919	180	127449	20.384	ug/l	99
94) Hexachlorobutadiene	15.023	225	77795	20.124	ug/l	99
95) Naphthalene	15.139	128	200449	19.946	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	113858	20.968	ug/l	98

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

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