

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
 Data File : VY023410.D
 Acq On : 09 Oct 2025 10:08
 Operator : SY/MD
 Sample : VY1009SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1009SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025
 Supervised By :Semsettin Yesilyurt 10/10/2025

Quant Time: Oct 10 04:22:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	547576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	791873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	696551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	359830	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	215950	47.162	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.320%		
35) Dibromofluoromethane	7.640	113	240847	49.499	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.000%		
50) Toluene-d8	10.109	98	912325	50.348	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.700%		
62) 4-Bromofluorobenzene	12.407	95	285456	47.716	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.440%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	87549	22.213	ug/l	100
3) Chloromethane	2.074	50	110830	20.642	ug/l	100
4) Vinyl Chloride	2.208	62	142908	20.435	ug/l	99
5) Bromomethane	2.592	94	122755	20.917	ug/l	96
6) Chloroethane	2.738	64	100987	21.185	ug/l	100
7) Trichlorofluoromethane	3.062	101	198410	20.433	ug/l	97
8) Diethyl Ether	3.458	74	49360	19.454	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	107003	21.236	ug/l	99
10) Methyl Iodide	4.007	142	115949	20.670	ug/l	100
11) Tert butyl alcohol	4.860	59	34542	101.402	ug/l #	94
12) 1,1-Dichloroethene	3.793	96	100792	20.635	ug/l	93
13) Acrolein	3.659	56	40485	84.109	ug/l	97
14) Allyl chloride	4.391	41	119653	20.100	ug/l	99
15) Acrylonitrile	5.061	53	91665	94.402	ug/l	100
16) Acetone	3.872	43	131313	120.460	ug/l	98
17) Carbon Disulfide	4.110	76	294633	21.075	ug/l	99
18) Methyl Acetate	4.397	43	46736	16.344	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	227743	19.400	ug/l	95
20) Methylene Chloride	4.622	84	113269	19.216	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	112932	21.000	ug/l	99
22) Diisopropyl ether	6.024	45	268741	20.409	ug/l	98
23) Vinyl Acetate	5.970	43	714408	100.236	ug/l	100
24) 1,1-Dichloroethane	5.921	63	181268	20.782	ug/l	98
25) 2-Butanone	6.896	43	142358	106.969	ug/l	98
26) 2,2-Dichloropropane	6.890	77	169519	21.181	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	128941	20.757	ug/l	98
28) Bromochloromethane	7.250	49	66685	20.480	ug/l	99
29) Tetrahydrofuran	7.268	42	70408	93.296	ug/l	98
30) Chloroform	7.427	83	200410	20.913	ug/l	95
31) Cyclohexane	7.707	56	154069	20.227	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	183274	21.045	ug/l	100
36) 1,1-Dichloropropene	7.835	75	138615	21.519	ug/l	99
37) Ethyl Acetate	6.982	43	51475	20.170	ug/l	98
38) Carbon Tetrachloride	7.823	117	166972	21.377	ug/l	99
39) Methylcyclohexane	9.109	83	177139	21.120	ug/l	96
40) Benzene	8.085	78	436426	21.393	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	25670	18.598	ug/l #	71
42) 1,2-Dichloroethane	8.164	62	109045	20.726	ug/l	99
43) Isopropyl Acetate	8.201	43	97524	19.165	ug/l #	85
44) Trichloroethene	8.865	130	126004	21.103	ug/l	98
45) 1,2-Dichloropropane	9.146	63	95951	21.294	ug/l	98
46) Dibromomethane	9.231	93	59353	20.831	ug/l	99
47) Bromodichloromethane	9.426	83	148955	20.758	ug/l	98
48) Methyl methacrylate	9.225	41	43089	18.024	ug/l	93
49) 1,4-Dioxane	9.231	88	12439	376.544	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	249347	94.838	ug/l	100
52) Toluene	10.170	92	284102	21.449	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	124152	19.898	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	153238	20.809	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	78245	20.422	ug/l	91
56) Ethyl methacrylate	10.438	69	83077	18.797	ug/l	99
57) 1,3-Dichloropropane	10.719	76	126624	20.856	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	185766	93.826	ug/l	99
59) 2-Hexanone	10.761	43	194921	103.740	ug/l	99
60) Dibromochloromethane	10.914	129	110073	20.491	ug/l	98
61) 1,2-Dibromoethane	11.017	107	73124	20.012	ug/l	98
64) Tetrachloroethene	10.646	164	156158	21.712	ug/l	99
65) Chlorobenzene	11.444	112	320704	21.169	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	112990	20.929	ug/l	98
67) Ethyl Benzene	11.517	91	511858	20.873	ug/l	100
68) m/p-Xylenes	11.627	106	416514	42.346	ug/l	98
69) o-Xylene	11.956	106	191098	20.713	ug/l	99
70) Styrene	11.969	104	314637	20.739	ug/l	99
71) Bromoform	12.133	173	65314	19.504	ug/l #	100
73) Isopropylbenzene	12.255	105	499324	21.057	ug/l	99
74) N-amyl acetate	12.072	43	77981	18.309	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	76498	19.724	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	57851m	18.223	ug/l	
77) Bromobenzene	12.529	156	130681	20.729	ug/l	99
78) n-propylbenzene	12.596	91	590757	21.528	ug/l	100
79) 2-Chlorotoluene	12.676	91	336924	20.967	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	407825	21.283	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	24664	19.051	ug/l	98
82) 4-Chlorotoluene	12.779	91	350046	21.151	ug/l	99
83) tert-Butylbenzene	12.999	119	370714	20.953	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	407038	21.285	ug/l	99
85) sec-Butylbenzene	13.176	105	546067	21.516	ug/l	99
86) p-Isopropyltoluene	13.291	119	459158	21.249	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	255893	20.845	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	250747	20.681	ug/l	98
89) n-Butylbenzene	13.615	91	390969	20.765	ug/l	99
90) Hexachloroethane	13.877	117	98225	21.134	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	221929	20.620	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12135	19.069	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	125048	18.637	ug/l	99
94) Hexachlorobutadiene	15.023	225	85691	20.487	ug/l	98
95) Naphthalene	15.145	128	175290	16.406	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	105694	18.186	ug/l	99

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

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