

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
 Data File : VY023339.D
 Acq On : 11 Sep 2025 10:40
 Operator : SY/MD
 Sample : VY0911SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/12/2025
 Supervised By :Semsettin Yesilyurt 09/12/2025

Quant Time: Sep 12 01:23:44 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	502652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	759587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	661993	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	341271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	198301	44.896	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.800%		
35) Dibromofluoromethane	7.640	113	217347	46.811	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.620%		
50) Toluene-d8	10.109	98	838627	47.833	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.660%		
62) 4-Bromofluorobenzene	12.408	95	258002	46.761	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.520%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	84401	20.930	ug/l	99
3) Chloromethane	2.074	50	119522	20.713	ug/l	99
4) Vinyl Chloride	2.202	62	150519	20.705	ug/l	98
5) Bromomethane	2.592	94	124423	20.961	ug/l	100
6) Chloroethane	2.732	64	100573	20.444	ug/l	98
7) Trichlorofluoromethane	3.056	101	189136	20.613	ug/l	95
8) Diethyl Ether	3.458	74	44530	18.342	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	100112	20.289	ug/l	96
10) Methyl Iodide	4.001	142	100281	17.422	ug/l	99
11) Tert butyl alcohol	4.860	59	21571	84.521	ug/l #	85
12) 1,1-Dichloroethene	3.787	96	95561	20.131	ug/l	89
13) Acrolein	3.653	56	34590	80.169	ug/l	98
14) Allyl chloride	4.391	41	113671	18.957	ug/l	95
15) Acrylonitrile	5.061	53	84015	87.906	ug/l	99
16) Acetone	3.866	43	91126	90.575	ug/l	99
17) Carbon Disulfide	4.110	76	295066	19.634	ug/l	99
18) Methyl Acetate	4.391	43	42148	17.078	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	201799	18.080	ug/l	98
20) Methylene Chloride	4.616	84	111075	20.636	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	105499	19.892	ug/l	93
22) Diisopropyl ether	6.018	45	257474	19.280	ug/l	91
23) Vinyl Acetate	5.964	43	664923	90.065	ug/l	99
24) 1,1-Dichloroethane	5.921	63	170914	19.568	ug/l	99
25) 2-Butanone	6.896	43	110370	89.132	ug/l	95
26) 2,2-Dichloropropane	6.890	77	153569	19.912	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	118097	19.663	ug/l	93
28) Bromochloromethane	7.250	49	63234	18.398	ug/l	87
29) Tetrahydrofuran	7.262	42	62228	84.725	ug/l	98
30) Chloroform	7.421	83	185608	19.777	ug/l	98
31) Cyclohexane	7.707	56	148134	19.165	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	166338	19.838	ug/l	99
36) 1,1-Dichloropropene	7.835	75	130324	19.707	ug/l	98
37) Ethyl Acetate	6.988	43	46800	17.790	ug/l	97
38) Carbon Tetrachloride	7.823	117	151351	19.890	ug/l	98
39) Methylcyclohexane	9.109	83	165460	19.558	ug/l	97
40) Benzene	8.085	78	411298	20.009	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
 Data File : VY023339.D
 Acq On : 11 Sep 2025 10:40
 Operator : SY/MD
 Sample : VY0911SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/12/2025
 Supervised By :Semsettin Yesilyurt 09/12/2025

Quant Time: Sep 12 01:23:44 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)
41) Methacrylonitrile	7.226	41	27905m	20.484	ug/l	
42) 1,2-Dichloroethane	8.158	62	100035	19.115	ug/l	98
43) Isopropyl Acetate	8.201	43	88574	17.311	ug/l	98
44) Trichloroethene	8.865	130	114958	20.079	ug/l	99
45) 1,2-Dichloropropane	9.140	63	90585	19.513	ug/l	100
46) Dibromomethane	9.231	93	53119	18.789	ug/l	98
47) Bromodichloromethane	9.426	83	138768	19.511	ug/l	99
48) Methyl methacrylate	9.225	41	40437	16.956	ug/l	92
49) 1,4-Dioxane	9.231	88	10185	354.902	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	224845	85.896	ug/l	98
52) Toluene	10.170	92	261997	20.085	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	115956	18.937	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	140151	19.154	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	70269	18.685	ug/l	97
56) Ethyl methacrylate	10.438	69	73882	16.957	ug/l	97
57) 1,3-Dichloropropane	10.719	76	114199	18.705	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	163751	86.233	ug/l	96
59) 2-Hexanone	10.762	43	154879	85.588	ug/l	99
60) Dibromochloromethane	10.914	129	97846	19.176	ug/l	99
61) 1,2-Dibromoethane	11.018	107	65215	18.506	ug/l	99
64) Tetrachloroethene	10.646	164	139094	21.082	ug/l	99
65) Chlorobenzene	11.444	112	287705	19.838	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	98560	19.362	ug/l	99
67) Ethyl Benzene	11.517	91	467607	19.736	ug/l	97
68) m/p-Xylenes	11.627	106	384553	40.534	ug/l	96
69) o-Xylene	11.956	106	171228	19.496	ug/l	99
70) Styrene	11.969	104	288523	19.822	ug/l	98
71) Bromoform	12.133	173	55789	18.404	ug/l #	99
73) Isopropylbenzene	12.255	105	449736	19.564	ug/l	98
74) N-amyl acetate	12.072	43	74222	17.081	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	67136	17.401	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	62785m	18.167	ug/l	
77) Bromobenzene	12.529	156	113638	19.349	ug/l	92
78) n-propylbenzene	12.597	91	544828	20.109	ug/l	98
79) 2-Chlorotoluene	12.676	91	312185	20.005	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	369420	19.759	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	21765	17.174	ug/l	98
82) 4-Chlorotoluene	12.773	91	324917	19.898	ug/l	97
83) tert-Butylbenzene	12.999	119	330849	19.538	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	372440	20.136	ug/l	100
85) sec-Butylbenzene	13.176	105	491452	19.947	ug/l	99
86) p-Isopropyltoluene	13.292	119	411884	19.791	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	227389	19.566	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	223580	19.423	ug/l	99
89) n-Butylbenzene	13.615	91	363895	19.716	ug/l	99
90) Hexachloroethane	13.877	117	88975	19.720	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	194389	19.184	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10512	17.365	ug/l	92
93) 1,2,4-Trichlorobenzene	14.919	180	113765	19.248	ug/l	99
94) Hexachlorobutadiene	15.023	225	75232	20.586	ug/l	98
95) Naphthalene	15.145	128	164533	17.319	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	96688	18.836	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
Data File : VY023339.D
Acq On : 11 Sep 2025 10:40
Operator : SY/MD
Sample : VY0911SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/12/2025
Supervised By :Semsettin Yesilyurt 09/12/2025

Quant Time: Sep 12 01:23:44 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)
----------	------	------	----------	------	-------	----------

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

