

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
 Data File : VY023292.D
 Acq On : 05 Sep 2025 10:52
 Operator : SY/MD
 Sample : VY0905SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0905SBS01

Quant Time: Sep 06 01:53:14 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 09/08/2025
 Supervised By :Semsettin Yesilyurt 09/08/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	459154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	698662	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	626042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	326298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	211163	48.254	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.500%		
35) Dibromofluoromethane	7.634	113	222566	53.238	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	106.480%		
50) Toluene-d8	10.103	98	831257	50.898	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.800%		
62) 4-Bromofluorobenzene	12.401	95	268589	51.138	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	102.280%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.861	85	73783	19.687	ug/l	92
3) Chloromethane	2.068	50	112212	18.485	ug/l	100
4) Vinyl Chloride	2.202	62	144941	19.316	ug/l	99
5) Bromomethane	2.586	94	123719	22.077	ug/l	97
6) Chloroethane	2.732	64	100111	20.067	ug/l	100
7) Trichlorofluoromethane	3.049	101	185452	20.325	ug/l	99
8) Diethyl Ether	3.452	74	46486	19.257	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.811	101	93064	20.674	ug/l	97
10) Methyl Iodide	4.000	142	88779	18.277	ug/l	99
11) Tert butyl alcohol	4.860	59	26974	89.961	ug/l	100
12) 1,1-Dichloroethene	3.787	96	87986	19.886	ug/l	92
13) Acrolein	3.653	56	15816	36.017	ug/l	93
14) Allyl chloride	4.378	41	112614	17.297	ug/l	98
15) Acrylonitrile	5.055	53	94655	96.449	ug/l	99
16) Acetone	3.866	43	139054	146.674	ug/l	100
17) Carbon Disulfide	4.104	76	267156	18.518	ug/l	100
18) Methyl Acetate	4.385	43	52103	18.468	ug/l	94
19) Methyl tert-butyl Ether	5.110	73	214985	18.751	ug/l	99
20) Methylene Chloride	4.616	84	105853	19.848	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	98046	19.718	ug/l	94
22) Diisopropyl ether	6.018	45	259552	18.346	ug/l	92
23) Vinyl Acetate	5.957	43	701009	89.611	ug/l	97
24) 1,1-Dichloroethane	5.909	63	167435	19.358	ug/l	96
25) 2-Butanone	6.890	43	149135	115.664	ug/l	94
26) 2,2-Dichloropropane	6.884	77	148410	19.885	ug/l	97
27) cis-1,2-Dichloroethene	6.884	96	113181	19.689	ug/l	97
28) Bromochloromethane	7.244	49	67931	19.796	ug/l	92
29) Tetrahydrofuran	7.262	42	71884	89.941	ug/l	94
30) Chloroform	7.421	83	183341	20.553	ug/l	99
31) Cyclohexane	7.701	56	139348	17.096	ug/l	94
32) 1,1,1-Trichloroethane	7.610	97	158931	20.079	ug/l	100
36) 1,1-Dichloropropene	7.835	75	121179	19.504	ug/l	96
37) Ethyl Acetate	6.982	43	53109	20.349	ug/l	98
38) Carbon Tetrachloride	7.817	117	144232	21.374	ug/l	99
39) Methylcyclohexane	9.109	83	155527	19.009	ug/l	98
40) Benzene	8.079	78	392806	20.513	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
 Data File : VY023292.D
 Acq On : 05 Sep 2025 10:52
 Operator : SY/MD
 Sample : VY0905SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0905SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/08/2025
 Supervised By :Semsettin Yesilyurt 09/08/2025

Quant Time: Sep 06 01:53:14 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	24878	16.517	ug/l #	82
42) 1,2-Dichloroethane	8.158	62	103244	20.730	ug/l	100
43) Isopropyl Acetate	8.195	43	98909	18.751	ug/l	96
44) Trichloroethene	8.865	130	110714	22.373	ug/l	97
45) 1,2-Dichloropropane	9.140	63	88783	20.150	ug/l	98
46) Dibromomethane	9.231	93	55044	21.766	ug/l	96
47) Bromodichloromethane	9.420	83	140121	21.533	ug/l	96
48) Methyl methacrylate	9.219	41	45878	18.175	ug/l	93
49) 1,4-Dioxane	9.225	88	12326	415.685	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	263496	96.839	ug/l	98
52) Toluene	10.170	92	251403	20.671	ug/l	97
53) t-1,3-Dichloropropene	10.390	75	117800	19.991	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	140885	20.219	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	74850	22.119	ug/l	98
56) Ethyl methacrylate	10.438	69	82192	18.982	ug/l	94
57) 1,3-Dichloropropane	10.719	76	120384	20.977	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	187734	91.914	ug/l	95
59) 2-Hexanone	10.761	43	211031	113.898	ug/l	99
60) Dibromochloromethane	10.908	129	100651	22.542	ug/l	100
61) 1,2-Dibromoethane	11.011	107	69805	21.948	ug/l	100
64) Tetrachloroethene	10.646	164	135251	24.195	ug/l	96
65) Chlorobenzene	11.438	112	281049	20.813	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	100238	21.872	ug/l	99
67) Ethyl Benzene	11.517	91	453599	19.519	ug/l	99
68) m/p-Xylenes	11.627	106	364783	40.191	ug/l	97
69) o-Xylene	11.956	106	167191	19.668	ug/l	99
70) Styrene	11.969	104	283660	20.405	ug/l	98
71) Bromoform	12.133	173	60586	22.619	ug/l	99
73) Isopropylbenzene	12.255	105	434612	18.872	ug/l	100
74) N-amyl acetate	12.066	43	81804	16.750	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.505	83	75013	19.076	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	55903m	17.752	ug/l	
77) Bromobenzene	12.529	156	112465	20.470	ug/l	94
78) n-propylbenzene	12.590	91	513676	18.735	ug/l	98
79) 2-Chlorotoluene	12.676	91	296657	18.884	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	356725	19.166	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	24156	18.568	ug/l	97
82) 4-Chlorotoluene	12.773	91	310381	19.045	ug/l	98
83) tert-Butylbenzene	12.999	119	317589	18.893	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	353142	19.060	ug/l	100
85) sec-Butylbenzene	13.176	105	463851	18.784	ug/l	99
86) p-Isopropyltoluene	13.291	119	393446	19.195	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	220523	20.353	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	214379	19.946	ug/l	98
89) n-Butylbenzene	13.615	91	349155	18.547	ug/l	98
90) Hexachloroethane	13.877	117	83967	20.011	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	192990	20.310	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11374	18.578	ug/l	89
93) 1,2,4-Trichlorobenzene	14.919	180	112672	20.052	ug/l	99
94) Hexachlorobutadiene	15.023	225	70309	21.293	ug/l	99
95) Naphthalene	15.145	128	175961	18.364	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	98676	20.379	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
Data File : VY023292.D
Acq On : 05 Sep 2025 10:52
Operator : SY/MD
Sample : VY0905SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0905SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/08/2025
Supervised By :Semsettin Yesilyurt 09/08/2025

Quant Time: Sep 06 01:53:14 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

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

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

