

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
 Data File : VY023255.D
 Acq On : 02 Sep 2025 10:54
 Operator : SY/MD
 Sample : VY0902SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0902SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/03/2025
 Supervised By :Semsettin Yesilyurt 09/03/2025

Quant Time: Sep 03 03:28:08 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)

Internal Standards						
1) Pentafluorobenzene	7.713	168	455942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	701236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	619173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	320346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	218743	50.339	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.680%			
35) Dibromofluoromethane	7.640	113	231751	55.232	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.460%			
50) Toluene-d8	10.109	98	884490	53.959	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.920%			
62) 4-Bromofluorobenzene	12.402	95	281798	53.456	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	85341	22.931	ug/l	99
3) Chloromethane	2.074	50	121506	20.157	ug/l	99
4) Vinyl Chloride	2.208	62	155180	20.826	ug/l	100
5) Bromomethane	2.592	94	128710	23.129	ug/l	97
6) Chloroethane	2.739	64	106488	21.496	ug/l	95
7) Trichlorofluoromethane	3.056	101	198602	21.920	ug/l	98
8) Diethyl Ether	3.458	74	55366	23.097	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.818	101	102678	22.971	ug/l	96
10) Methyl Iodide	4.007	142	110729	22.957	ug/l	98
11) Tert butyl alcohol	4.860	59	29331	98.510	ug/l #	85
12) 1,1-Dichloroethene	3.793	96	96849	22.043	ug/l	93
13) Acrolein	3.659	56	20449	46.896	ug/l	96
14) Allyl chloride	4.385	41	125087	19.348	ug/l	97
15) Acrylonitrile	5.061	53	104036	106.755	ug/l	98
16) Acetone	3.873	43	126209	134.063	ug/l	97
17) Carbon Disulfide	4.110	76	298271	20.820	ug/l	98
18) Methyl Acetate	4.391	43	58229	20.785	ug/l	95
19) Methyl tert-butyl Ether	5.122	73	233646	20.522	ug/l	99
20) Methylene Chloride	4.616	84	147200	28.946	ug/l	93
21) trans-1,2-Dichloroethene	5.116	96	109083	22.093	ug/l	92
22) Diisopropyl ether	6.019	45	284440	20.247	ug/l	95
23) Vinyl Acetate	5.964	43	767489	98.800	ug/l	99
24) 1,1-Dichloroethane	5.915	63	184238	21.450	ug/l	99
25) 2-Butanone	6.896	43	151951	118.678	ug/l	100
26) 2,2-Dichloropropane	6.890	77	161696	21.817	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	124121	21.745	ug/l	96
28) Bromochloromethane	7.250	49	70910	20.809	ug/l	90
29) Tetrahydrofuran	7.268	42	80464	101.386	ug/l	98
30) Chloroform	7.421	83	199275	22.496	ug/l	97
31) Cyclohexane	7.707	56	156550	19.342	ug/l	92
32) 1,1,1-Trichloroethane	7.622	97	176198	22.417	ug/l	98
36) 1,1-Dichloropropene	7.835	75	136472	21.885	ug/l	98
37) Ethyl Acetate	6.988	43	56370	21.520	ug/l	99
38) Carbon Tetrachloride	7.823	117	156753	23.144	ug/l	96
39) Methylcyclohexane	9.109	83	174855	21.293	ug/l	98
40) Benzene	8.085	78	432067	22.481	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
 Data File : VY023255.D
 Acq On : 02 Sep 2025 10:54
 Operator : SY/MD
 Sample : VY0902SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0902SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/03/2025
 Supervised By :Semsettin Yesilyurt 09/03/2025

Quant Time: Sep 03 03:28:08 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	7.220	41	29778	19.698	ug/l	92
42) 1,2-Dichloroethane	8.158	62	111597	22.325	ug/l	98
43) Isopropyl Acetate	8.201	43	107847	20.370	ug/l	98
44) Trichloroethene	8.866	130	120465	24.254	ug/l	99
45) 1,2-Dichloropropane	9.146	63	98531	22.281	ug/l	98
46) Dibromomethane	9.231	93	59403	23.403	ug/l	96
47) Bromodichloromethane	9.426	83	150811	23.091	ug/l	99
48) Methyl methacrylate	9.219	41	51961	20.510	ug/l	96
49) 1,4-Dioxane	9.231	88	12026	404.079	ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	286299	104.833	ug/l	98
52) Toluene	10.170	92	278819	22.841	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	129589	21.911	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	156143	22.327	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	81143	23.891	ug/l	98
56) Ethyl methacrylate	10.438	69	88482	20.359	ug/l	97
57) 1,3-Dichloropropane	10.719	76	129653	22.509	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	203660	99.345	ug/l	97
59) 2-Hexanone	10.762	43	209125	112.455	ug/l	98
60) Dibromochloromethane	10.914	129	108207	24.145	ug/l	100
61) 1,2-Dibromoethane	11.018	107	74762	23.420	ug/l	99
64) Tetrachloroethene	10.646	164	145392	26.297	ug/l	99
65) Chlorobenzene	11.438	112	308324	23.086	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	107213	23.653	ug/l	99
67) Ethyl Benzene	11.518	91	504531	21.952	ug/l	99
68) m/p-Xylenes	11.627	106	408039	45.456	ug/l	97
69) o-Xylene	11.956	106	186541	22.188	ug/l	98
70) Styrene	11.969	104	316262	23.002	ug/l	98
71) Bromoform	12.133	173	65321	24.657	ug/l	99
73) Isopropylbenzene	12.255	105	486448	21.515	ug/l	99
74) N-amyl acetate	12.072	43	93069	19.410	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	82523	21.376	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	61018m	19.736	ug/l	
77) Bromobenzene	12.530	156	123390	22.876	ug/l	94
78) n-propylbenzene	12.597	91	586750	21.797	ug/l	99
79) 2-Chlorotoluene	12.682	91	337780	21.901	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	403714	22.094	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	26136	20.464	ug/l	99
82) 4-Chlorotoluene	12.779	91	349101	21.819	ug/l	97
83) tert-Butylbenzene	12.999	119	355521	21.542	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	400669	22.027	ug/l	99
85) sec-Butylbenzene	13.176	105	525239	21.665	ug/l	98
86) p-Isopropyltoluene	13.292	119	447634	22.245	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	249548	23.460	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	240974	22.837	ug/l	98
89) n-Butylbenzene	13.615	91	390272	21.116	ug/l	99
90) Hexachloroethane	13.877	117	95536	23.191	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	217175	23.280	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12891	21.447	ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	127945	23.193	ug/l	99
94) Hexachlorobutadiene	15.023	225	78957	24.357	ug/l	99
95) Naphthalene	15.139	128	196830	20.924	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	109447	23.024	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
Data File : VY023255.D
Acq On : 02 Sep 2025 10:54
Operator : SY/MD
Sample : VY0902SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0902SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/03/2025
Supervised By :Semsettin Yesilyurt 09/03/2025

Quant Time: Sep 03 03:28:08 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

