

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091225\
 Data File : VY023361.D
 Acq On : 12 Sep 2025 14:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Sep 13 00:00:52 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	7.707	168	520156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	770130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	693958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	369307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	220381	48.216	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.440%		
35) Dibromofluoromethane	7.634	113	235981	50.128	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.260%		
50) Toluene-d8	10.103	98	911323	51.267	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.540%		
62) 4-Bromofluorobenzene	12.402	95	294477	52.641	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	105.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	182055	43.626	ug/l	98
3) Chloromethane	2.068	50	271273	45.429	ug/l	100
4) Vinyl Chloride	2.202	62	370270	49.220	ug/l	99
5) Bromomethane	2.592	94	286850	46.699	ug/l	100
6) Chloroethane	2.733	64	250795	49.264	ug/l	97
7) Trichlorofluoromethane	3.056	101	470447	49.547	ug/l	100
8) Diethyl Ether	3.452	74	123253	49.059	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.818	101	240074	47.016	ug/l	97
10) Methyl Iodide	4.001	142	297461	49.938	ug/l	100
11) Tert butyl alcohol	4.860	59	70506	266.966	ug/l	100
12) 1,1-Dichloroethene	3.787	96	236005	48.045	ug/l	91
13) Acrolein	3.647	56	66716	149.425	ug/l	98
14) Allyl chloride	4.385	41	293948	47.371	ug/l	97
15) Acrylonitrile	5.055	53	245661	248.390	ug/l	98
16) Acetone	3.867	43	238801	229.369	ug/l	100
17) Carbon Disulfide	4.104	76	708670	45.568	ug/l	100
18) Methyl Acetate	4.385	43	122990	48.158	ug/l	93
19) Methyl tert-butyl Ether	5.116	73	589489	51.038	ug/l	97
20) Methylene Chloride	4.616	84	262169	47.067	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	264075	48.115	ug/l	93
22) Diisopropyl ether	6.019	45	671357	48.581	ug/l	96
23) Vinyl Acetate	5.958	43	1899666	248.654	ug/l	96
24) 1,1-Dichloroethane	5.915	63	431015	47.685	ug/l	98
25) 2-Butanone	6.890	43	312350	243.759	ug/l	94
26) 2,2-Dichloropropane	6.884	77	382268	47.898	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	310974	50.034	ug/l	93
28) Bromochloromethane	7.244	49	163989	46.108	ug/l	86
29) Tetrahydrofuran	7.262	42	191110	251.444	ug/l	92
30) Chloroform	7.421	83	469715	48.365	ug/l	97
31) Cyclohexane	7.701	56	366280	45.794	ug/l	91
32) 1,1,1-Trichloroethane	7.616	97	421655	48.595	ug/l	98
36) 1,1-Dichloropropene	7.835	75	328357	48.973	ug/l	97
37) Ethyl Acetate	6.982	43	133885	50.197	ug/l	97
38) Carbon Tetrachloride	7.817	117	379129	49.142	ug/l	99
39) Methylcyclohexane	9.109	83	442103	51.542	ug/l	93
40) Benzene	8.079	78	1032434	49.539	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091225\
 Data File : VY023361.D
 Acq On : 12 Sep 2025 14:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Sep 13 00:00:52 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	7.220	41	69989	50.672	ug/l	89
42) 1,2-Dichloroethane	8.158	62	260900	49.170	ug/l	98
43) Isopropyl Acetate	8.195	43	263572	50.808	ug/l	95
44) Trichloroethene	8.866	130	293148	50.501	ug/l	96
45) 1,2-Dichloropropane	9.140	63	231301	49.143	ug/l	99
46) Dibromomethane	9.231	93	143775	50.160	ug/l	95
47) Bromodichloromethane	9.420	83	362039	50.206	ug/l	97
48) Methyl methacrylate	9.219	41	127571	52.759	ug/l	94
49) 1,4-Dioxane	9.225	88	32231	1107.733	ug/l	93
51) 4-Methyl-2-Pentanone	9.993	43	702376	264.650	ug/l	96
52) Toluene	10.170	92	679954	51.412	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	318377	51.282	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	377931	50.944	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	192400	50.461	ug/l	98
56) Ethyl methacrylate	10.438	69	244737	55.403	ug/l	95
57) 1,3-Dichloropropane	10.713	76	313694	50.678	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	558938	290.313	ug/l	94
59) 2-Hexanone	10.756	43	485516	264.630	ug/l	97
60) Dibromochloromethane	10.908	129	267864	51.778	ug/l	100
61) 1,2-Dibromoethane	11.012	107	185888	52.028	ug/l	100
64) Tetrachloroethene	10.646	164	360888	52.178	ug/l	97
65) Chlorobenzene	11.438	112	760449	50.020	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	266343	49.913	ug/l	99
67) Ethyl Benzene	11.518	91	1276530	51.396	ug/l	97
68) m/p-Xylenes	11.627	106	1022339	102.796	ug/l	96
69) o-Xylene	11.950	106	478388	51.961	ug/l	98
70) Styrene	11.969	104	807776	52.940	ug/l	97
71) Bromoform	12.127	173	161766	50.906	ug/l #	99
73) Isopropylbenzene	12.249	105	1240712	49.875	ug/l	99
74) N-amyl acetate	12.066	43	241585	51.377	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.499	83	197094	47.208	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	172615m	46.155	ug/l	
77) Bromobenzene	12.530	156	311192	48.964	ug/l	92
78) n-propylbenzene	12.591	91	1466394	50.013	ug/l	98
79) 2-Chlorotoluene	12.676	91	828742	49.074	ug/l	97
80) 1,3,5-Trimethylbenzene	12.731	105	1016574	50.244	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	67387	49.138	ug/l	96
82) 4-Chlorotoluene	12.773	91	849995	48.103	ug/l	96
83) tert-Butylbenzene	12.993	119	915143	49.941	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	1010442	50.483	ug/l	98
85) sec-Butylbenzene	13.170	105	1346730	50.511	ug/l	99
86) p-Isopropyltoluene	13.286	119	1153887	51.235	ug/l	98
87) 1,3-Dichlorobenzene	13.286	146	611399	48.615	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	597475	47.965	ug/l	99
89) n-Butylbenzene	13.615	91	1014294	50.782	ug/l	99
90) Hexachloroethane	13.877	117	233503	47.824	ug/l	95
91) 1,2-Dichlorobenzene	13.651	146	537997	49.064	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	31492	48.072	ug/l	88
93) 1,2,4-Trichlorobenzene	14.919	180	322301	50.390	ug/l	99
94) Hexachlorobutadiene	15.017	225	192335	48.635	ug/l	99
95) Naphthalene	15.139	128	545150	53.027	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	279996	50.406	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091225\
Data File : VY023361.D
Acq On : 12 Sep 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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

Quant Time: Sep 13 00:00:52 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

Manual Integrations

Quant Time: Sep 13 00:00:52 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

