

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023497.D
 Acq On : 20 Oct 2025 10:07
 Operator : SY/MD
 Sample : VY1020SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1020SBS01

Quant Time: Oct 21 03:54:32 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

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/21/2025
 Supervised By :Semsettin Yesilyurt 10/21/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	523739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	742947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	663321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	353337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	201834	46.085	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.180%		
35) Dibromofluoromethane	7.634	113	229832	50.346	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.700%		
50) Toluene-d8	10.109	98	853532	50.206	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.420%		
62) 4-Bromofluorobenzene	12.408	95	277115	49.372	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	77468	20.550	ug/l	97
3) Chloromethane	2.074	50	96902	18.869	ug/l	99
4) Vinyl Chloride	2.208	62	131187	19.613	ug/l	99
5) Bromomethane	2.592	94	118051	21.031	ug/l	99
6) Chloroethane	2.739	64	92174	20.216	ug/l	99
7) Trichlorofluoromethane	3.056	101	193473	20.832	ug/l	97
8) Diethyl Ether	3.458	74	46390	19.115	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	105173	21.823	ug/l	99
10) Methyl Iodide	4.007	142	105809	19.721	ug/l	99
11) Tert butyl alcohol	4.854	59	32322	99.203	ug/l #	86
12) 1,1-Dichloroethene	3.787	96	96483	20.652	ug/l	98
13) Acrolein	3.659	56	23875	51.859	ug/l	95
14) Allyl chloride	4.385	41	105896	18.599	ug/l	98
15) Acrylonitrile	5.061	53	87542	94.259	ug/l	99
16) Acetone	3.866	43	136934	131.334	ug/l	99
17) Carbon Disulfide	4.110	76	269483	20.154	ug/l	99
18) Methyl Acetate	4.391	43	44512	16.275	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	212783	18.950	ug/l	94
20) Methylene Chloride	4.622	84	107272	19.027	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	106769	20.758	ug/l	98
22) Diisopropyl ether	6.025	45	241713	19.192	ug/l	96
23) Vinyl Acetate	5.964	43	646610	94.852	ug/l	97
24) 1,1-Dichloroethane	5.921	63	169150	20.276	ug/l	99
25) 2-Butanone	6.896	43	142543	111.983	ug/l	96
26) 2,2-Dichloropropane	6.890	77	163000	21.293	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	121042	20.372	ug/l	98
28) Bromochloromethane	7.244	49	62645	20.115	ug/l	98
29) Tetrahydrofuran	7.268	42	61631	85.382	ug/l	94
30) Chloroform	7.421	83	190902	20.827	ug/l	98
31) Cyclohexane	7.707	56	138372	18.993	ug/l	90
32) 1,1,1-Trichloroethane	7.622	97	174243	20.918	ug/l	99
36) 1,1-Dichloropropene	7.841	75	129736	21.466	ug/l	99
37) Ethyl Acetate	6.988	43	47097	19.670	ug/l	95
38) Carbon Tetrachloride	7.823	117	165108	22.530	ug/l	97
39) Methylcyclohexane	9.109	83	160443	20.389	ug/l	97
40) Benzene	8.085	78	407322	21.281	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023497.D
 Acq On : 20 Oct 2025 10:07
 Operator : SY/MD
 Sample : VY1020SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1020SBS01

Quant Time: Oct 21 03:54:32 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

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/21/2025
 Supervised By :Semsettin Yesilyurt 10/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	27651m	21.353	ug/l	
42) 1,2-Dichloroethane	8.158	62	102253	20.715	ug/l	99
43) Isopropyl Acetate	8.201	43	89728	18.794	ug/l	99
44) Trichloroethene	8.866	130	124158	22.163	ug/l	98
45) 1,2-Dichloropropane	9.146	63	89402	21.148	ug/l	100
46) Dibromomethane	9.231	93	57801	21.622	ug/l	97
47) Bromodichloromethane	9.426	83	146088	21.699	ug/l	98
48) Methyl methacrylate	9.225	41	40192	17.919	ug/l	91
49) 1,4-Dioxane	9.231	88	11618	374.851	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	241172	97.770	ug/l	99
52) Toluene	10.170	92	269261	21.667	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	119883	20.479	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	145166	21.011	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	78656	21.881	ug/l	96
56) Ethyl methacrylate	10.438	69	79990	19.290	ug/l	96
57) 1,3-Dichloropropane	10.719	76	121022	21.246	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	168775	90.858	ug/l	100
59) 2-Hexanone	10.762	43	192433	109.161	ug/l	99
60) Dibromochloromethane	10.914	129	110798	21.984	ug/l	100
61) 1,2-Dibromoethane	11.018	107	72250	21.075	ug/l	99
64) Tetrachloroethene	10.646	164	151867	22.173	ug/l	98
65) Chlorobenzene	11.444	112	302485	20.967	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	110179	21.431	ug/l	98
67) Ethyl Benzene	11.517	91	476476	20.403	ug/l	100
68) m/p-Xylenes	11.627	106	394831	42.153	ug/l	100
69) o-Xylene	11.956	106	180028	20.491	ug/l	99
70) Styrene	11.969	104	305623	21.154	ug/l	99
71) Bromoform	12.133	173	69820	21.894	ug/l #	97
73) Isopropylbenzene	12.255	105	471638	20.255	ug/l	100
74) N-amyl acetate	12.072	43	73717	17.626	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	74362	19.525	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	58372m	18.725	ug/l	
77) Bromobenzene	12.530	156	126770	20.478	ug/l	99
78) n-propylbenzene	12.597	91	564399	20.946	ug/l	100
79) 2-Chlorotoluene	12.682	91	319779	20.266	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	389889	20.721	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	25105	19.748	ug/l	99
82) 4-Chlorotoluene	12.779	91	337426	20.763	ug/l	100
83) tert-Butylbenzene	12.999	119	351553	20.235	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	388491	20.688	ug/l	100
85) sec-Butylbenzene	13.176	105	519789	20.857	ug/l	100
86) p-Isopropyltoluene	13.292	119	441147	20.790	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	248425	20.608	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	244966	20.575	ug/l	99
89) n-Butylbenzene	13.615	91	373193	20.185	ug/l	98
90) Hexachloroethane	13.877	117	96938	21.241	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	217576	20.587	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11872	18.998	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	128052	19.435	ug/l	98
94) Hexachlorobutadiene	15.023	225	86443	21.047	ug/l	99
95) Naphthalene	15.145	128	175261	16.704	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	107165	18.778	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
Data File : VY023497.D
Acq On : 20 Oct 2025 10:07
Operator : SY/MD
Sample : VY1020SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1020SBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 21 03:54:32 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)
----------	------	------	----------	------	-------	----------

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

