

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070125\
 Data File : VY022893.D
 Acq On : 01 Jul 2025 11:34
 Operator : SY/MD
 Sample : VY0701SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0701SBS01

Quant Time: Jul 02 02:43:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/02/2025
 Supervised By :Semsettin Yesilyurt 07/02/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	427188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	723243	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	617191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	293207	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	234701	49.226	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.460%
35) Dibromofluoromethane	7.628	113	213869	48.624	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.240%
50) Toluene-d8	10.103	98	857985	49.158	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.320%
62) 4-Bromofluorobenzene	12.402	95	266088	47.425	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.840%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	75087	20.555	ug/l	96
3) Chloromethane	2.068	50	141899	20.343	ug/l	100
4) Vinyl Chloride	2.202	62	171173	19.642	ug/l	100
5) Bromomethane	2.592	94	149158	21.772	ug/l	96
6) Chloroethane	2.733	64	116384	19.868	ug/l	94
7) Trichlorofluoromethane	3.050	101	189847	19.675	ug/l	100
8) Diethyl Ether	3.452	74	51645	21.670	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	92663	21.013	ug/l	98
10) Methyl Iodide	3.995	142	86971	18.115	ug/l	99
11) Tert butyl alcohol	4.860	59	31925	100.701	ug/l	99
12) 1,1-Dichloroethene	3.787	96	88726	20.520	ug/l	100
13) Acrolein	3.653	56	34410	80.043	ug/l	99
14) Allyl chloride	4.385	41	139762	21.014	ug/l	94
15) Acrylonitrile	5.055	53	105204	105.800	ug/l	98
16) Acetone	3.873	43	119307	132.393	ug/l	100
17) Carbon Disulfide	4.098	76	282866	20.250	ug/l	99
18) Methyl Acetate	4.385	43	60909	20.409	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	242636	20.608	ug/l	100
20) Methylene Chloride	4.610	84	126391	22.209	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	99989	20.233	ug/l	98
22) Diisopropyl ether	6.012	45	313799	21.246	ug/l	97
23) Vinyl Acetate	5.958	43	862225	105.700	ug/l	98
24) 1,1-Dichloroethane	5.915	63	184056	20.631	ug/l	99
25) 2-Butanone	6.890	43	153046	116.689	ug/l	98
26) 2,2-Dichloropropane	6.878	77	155880	20.844	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	116789	20.338	ug/l	98
28) Bromochloromethane	7.238	49	78517	20.934	ug/l	97
29) Tetrahydrofuran	7.256	42	87134	105.211	ug/l	99
30) Chloroform	7.421	83	186942	20.344	ug/l	93
31) Cyclohexane	7.701	56	171764	20.974	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	163409	20.579	ug/l	99
36) 1,1-Dichloropropene	7.835	75	136764	20.514	ug/l	99
37) Ethyl Acetate	6.982	43	60723	21.107	ug/l	97
38) Carbon Tetrachloride	7.817	117	139252	19.796	ug/l	94
39) Methylcyclohexane	9.103	83	175363	20.326	ug/l	99
40) Benzene	8.079	78	416539	20.321	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070125\
 Data File : VY022893.D
 Acq On : 01 Jul 2025 11:34
 Operator : SY/MD
 Sample : VY0701SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0701SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/02/2025
 Supervised By :Semsettin Yesilyurt 07/02/2025

Quant Time: Jul 02 02:43:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	32568m	18.389	ug/l	
42) 1,2-Dichloroethane	8.152	62	115557	20.573	ug/l	99
43) Isopropyl Acetate	8.195	43	123651	20.680	ug/l #	86
44) Trichloroethene	8.866	130	105043	20.411	ug/l	91
45) 1,2-Dichloropropane	9.140	63	99144	20.666	ug/l	99
46) Dibromomethane	9.231	93	54098	19.865	ug/l	97
47) Bromodichloromethane	9.420	83	141982	20.218	ug/l	96
48) Methyl methacrylate	9.219	41	60373	21.003	ug/l	95
49) 1,4-Dioxane	9.231	88	13098	407.085	ug/l	98
51) 4-Methyl-2-Pentanone	9.993	43	319545	105.165	ug/l	98
52) Toluene	10.170	92	259001	20.028	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	124574	19.716	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	147214	20.094	ug/l	97
55) 1,1,2-Trichloroethane	10.567	97	69435	19.690	ug/l	96
56) Ethyl methacrylate	10.438	69	93214	19.647	ug/l	96
57) 1,3-Dichloropropane	10.713	76	125345	20.373	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	236646	104.614	ug/l	99
59) 2-Hexanone	10.756	43	226074	109.436	ug/l	99
60) Dibromochloromethane	10.908	129	90724	19.917	ug/l	98
61) 1,2-Dibromoethane	11.012	107	64776	19.630	ug/l	99
64) Tetrachloroethene	10.646	164	120797	20.718	ug/l	98
65) Chlorobenzene	11.438	112	273997	20.204	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	89053	19.387	ug/l	97
67) Ethyl Benzene	11.518	91	479730	20.133	ug/l	99
68) m/p-Xylenes	11.627	106	367192	39.865	ug/l	100
69) o-Xylene	11.950	106	172436	19.868	ug/l	100
70) Styrene	11.969	104	286666	19.719	ug/l	100
71) Bromoform	12.127	173	49004	19.160	ug/l #	99
73) Isopropylbenzene	12.249	105	452872	20.884	ug/l	100
74) N-amyl acetate	12.066	43	102872	21.135	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.499	83	70197	20.086	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	51741m	17.285	ug/l	
77) Bromobenzene	12.530	156	99630	20.270	ug/l	99
78) n-propylbenzene	12.591	91	552037	21.085	ug/l	99
79) 2-Chlorotoluene	12.676	91	304917	20.614	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	364349	20.814	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	24227	20.447	ug/l	97
82) 4-Chlorotoluene	12.773	91	312723	20.127	ug/l	100
83) tert-Butylbenzene	12.993	119	327710	21.227	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	357535	20.400	ug/l	99
85) sec-Butylbenzene	13.170	105	483323	20.808	ug/l	98
86) p-Isopropyltoluene	13.286	119	399389	20.662	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	196443	19.900	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	195738	19.962	ug/l	99
89) n-Butylbenzene	13.615	91	375526	20.653	ug/l	99
90) Hexachloroethane	13.877	117	79230	20.580	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	172243	19.800	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	12276	20.713	ug/l	94
93) 1,2,4-Trichlorobenzene	14.913	180	94298	19.199	ug/l	97
94) Hexachlorobutadiene	15.017	225	53823	19.379	ug/l	99
95) Naphthalene	15.139	128	166356	18.730	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	78801	18.567	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070125\
Data File : VY022893.D
Acq On : 01 Jul 2025 11:34
Operator : SY/MD
Sample : VY0701SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0701SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/02/2025
Supervised By :Semsettin Yesilyurt 07/02/2025

Quant Time: Jul 02 02:43:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

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

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

