

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023114.D
 Acq On : 15 Aug 2025 09:59
 Operator : SY/MD
 Sample : VY0815SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0815SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
 Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:25:28 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	7.707	168	440097	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	718363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	623331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	315352	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	218582	52.112	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.220%	
35) Dibromofluoromethane	7.634	113	216052	50.263	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.520%	
50) Toluene-d8	10.103	98	848930	50.555	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.100%	
62) 4-Bromofluorobenzene	12.401	95	263062	48.712	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.420%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	76393	21.266	ug/l	99
3) Chloromethane	2.068	50	132852	22.833	ug/l	99
4) Vinyl Chloride	2.202	62	167480	23.286	ug/l	99
5) Bromomethane	2.586	94	136955	25.497	ug/l	99
6) Chloroethane	2.732	64	114091	23.860	ug/l	100
7) Trichlorofluoromethane	3.050	101	194616	22.253	ug/l	99
8) Diethyl Ether	3.452	74	48378	20.909	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.812	101	93467	21.663	ug/l	99
10) Methyl Iodide	4.001	142	95118	20.430	ug/l	98
11) Tert butyl alcohol	4.860	59	28033	97.541	ug/l	100
12) 1,1-Dichloroethene	3.781	96	88433	20.852	ug/l	97
13) Acrolein	3.647	56	36366	86.401	ug/l	100
14) Allyl chloride	4.379	41	121986	19.548	ug/l	98
15) Acrylonitrile	5.061	53	94706	100.680	ug/l	99
16) Acetone	3.866	43	99097	109.054	ug/l	97
17) Carbon Disulfide	4.098	76	288100	20.834	ug/l	99
18) Methyl Acetate	4.385	43	57336	21.203	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	222672	20.262	ug/l	99
20) Methylene Chloride	4.610	84	111293	22.050	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	100236	21.032	ug/l	94
22) Diisopropyl ether	6.018	45	280376	20.676	ug/l	97
23) Vinyl Acetate	5.958	43	746169	99.514	ug/l	99
24) 1,1-Dichloroethane	5.915	63	173769	20.960	ug/l	98
25) 2-Butanone	6.890	43	127742	103.362	ug/l	98
26) 2,2-Dichloropropane	6.884	77	150177	20.993	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	113218	20.549	ug/l	100
28) Bromochloromethane	7.244	49	71693	21.797	ug/l	98
29) Tetrahydrofuran	7.256	42	75128	98.070	ug/l	99
30) Chloroform	7.421	83	184733	21.605	ug/l	98
31) Cyclohexane	7.701	56	153728	19.677	ug/l #	93
32) 1,1,1-Trichloroethane	7.616	97	159387	21.009	ug/l	98
36) 1,1-Dichloropropene	7.835	75	130154	20.374	ug/l	99
37) Ethyl Acetate	6.982	43	53108	19.791	ug/l	99
38) Carbon Tetrachloride	7.817	117	142469	20.534	ug/l	100
39) Methylcyclohexane	9.103	83	163971	19.492	ug/l	98
40) Benzene	8.079	78	406307	20.636	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023114.D
 Acq On : 15 Aug 2025 09:59
 Operator : SY/MD
 Sample : VY0815SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0815SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/19/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:25:28 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	7.238	41	30597m	19.757	ug/l	
42) 1,2-Dichloroethane	8.158	62	106851	20.866	ug/l	98
43) Isopropyl Acetate	8.195	43	104154	19.203	ug/l	98
44) Trichloroethene	8.859	130	107257	21.080	ug/l	97
45) 1,2-Dichloropropane	9.140	63	93109	20.553	ug/l	100
46) Dibromomethane	9.231	93	55348	21.286	ug/l	96
47) Bromodichloromethane	9.420	83	138806	20.746	ug/l	97
48) Methyl methacrylate	9.219	41	48220	18.579	ug/l	93
49) 1,4-Dioxane	9.225	88	12812	420.225	ug/l	96
51) 4-Methyl-2-Pentanone	9.993	43	277745	99.276	ug/l	100
52) Toluene	10.170	92	256278	20.494	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	119229	19.679	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	144778	20.208	ug/l	99
55) 1,1,2-Trichloroethane	10.566	97	70888	20.374	ug/l	97
56) Ethyl methacrylate	10.438	69	83239	18.696	ug/l	97
57) 1,3-Dichloropropane	10.713	76	119333	20.223	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	207784	98.940	ug/l	99
59) 2-Hexanone	10.755	43	190027	99.749	ug/l	97
60) Dibromochloromethane	10.908	129	94653	20.617	ug/l	100
61) 1,2-Dibromoethane	11.011	107	65954	20.168	ug/l	99
64) Tetrachloroethene	10.646	164	126762	22.775	ug/l	99
65) Chlorobenzene	11.438	112	283100	21.056	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	94430	20.694	ug/l	98
67) Ethyl Benzene	11.518	91	466536	20.163	ug/l	99
68) m/p-Xylenes	11.627	106	371794	41.142	ug/l	97
69) o-Xylene	11.950	106	170235	20.113	ug/l	100
70) Styrene	11.963	104	283934	20.513	ug/l	99
71) Bromoform	12.127	173	52702	19.761	ug/l #	98
73) Isopropylbenzene	12.249	105	431158	19.372	ug/l	100
74) N-amyl acetate	12.066	43	89546	18.971	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.499	83	72067	18.963	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	62895m	20.665	ug/l	
77) Bromobenzene	12.530	156	104717	19.721	ug/l	99
78) n-propylbenzene	12.590	91	536311	20.239	ug/l	99
79) 2-Chlorotoluene	12.676	91	300425	19.787	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	355894	19.785	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	23540	18.723	ug/l	94
82) 4-Chlorotoluene	12.773	91	318860	20.245	ug/l	100
83) tert-Butylbenzene	12.993	119	307259	18.913	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	355479	19.852	ug/l	99
85) sec-Butylbenzene	13.170	105	469710	19.682	ug/l	100
86) p-Isopropyltoluene	13.285	119	390935	19.735	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	210704	20.122	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	206023	19.834	ug/l	99
89) n-Butylbenzene	13.615	91	358048	19.679	ug/l	98
90) Hexachloroethane	13.877	117	81804	20.172	ug/l	97
91) 1,2-Dichlorobenzene	13.651	146	181214	19.733	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11846	20.020	ug/l	94
93) 1,2,4-Trichlorobenzene	14.913	180	100490	18.504	ug/l	97
94) Hexachlorobutadiene	15.017	225	59682	18.702	ug/l	97
95) Naphthalene	15.139	128	167894	18.131	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	86969	18.585	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023114.D
Acq On : 15 Aug 2025 09:59
Operator : SY/MD
Sample : VY0815SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:25:28 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

