

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
 Data File : VY023086.D
 Acq On : 14 Aug 2025 11:22
 Operator : SY/MD
 Sample : VY0814SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0814SBS01

Manual Integrations
 APPROVED

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

Quant Time: Aug 14 14:47:08 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	7.707	168	455827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	734618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	641778	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	309825	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	218317	50.253	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.500%	
35) Dibromofluoromethane	7.634	113	220130	50.078	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.160%	
50) Toluene-d8	10.103	98	873299	50.855	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.720%	
62) 4-Bromofluorobenzene	12.401	95	263190	47.657	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.320%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.861	85	74341	19.980	ug/l	100
3) Chloromethane	2.068	50	139194	23.098	ug/l	97
4) Vinyl Chloride	2.202	62	172200	23.116	ug/l	97
5) Bromomethane	2.586	94	129347	23.250	ug/l	97
6) Chloroethane	2.726	64	116610	23.545	ug/l	96
7) Trichlorofluoromethane	3.049	101	197599	21.815	ug/l	99
8) Diethyl Ether	3.452	74	42819	17.867	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.812	101	93242	20.865	ug/l	98
10) Methyl Iodide	3.994	142	103105	21.381	ug/l	99
11) Tert butyl alcohol	4.860	59	23075	77.519	ug/l	100
12) 1,1-Dichloroethene	3.781	96	87863	20.003	ug/l	98
13) Acrolein	3.647	56	34035	78.072	ug/l	97
14) Allyl chloride	4.372	41	125844	19.470	ug/l	97
15) Acrylonitrile	5.055	53	87301	89.605	ug/l	98
16) Acetone	3.866	43	88645	94.185	ug/l	94
17) Carbon Disulfide	4.098	76	295393	20.624	ug/l	99
18) Methyl Acetate	4.385	43	49793	17.778	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	204114	17.932	ug/l	99
20) Methylene Chloride	4.610	84	107429	20.355	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	99704	20.198	ug/l	98
22) Diisopropyl ether	6.012	45	279897	19.929	ug/l	96
23) Vinyl Acetate	5.957	43	703379	90.570	ug/l	100
24) 1,1-Dichloroethane	5.909	63	177456	20.666	ug/l	100
25) 2-Butanone	6.890	43	113667	88.799	ug/l	95
26) 2,2-Dichloropropane	6.878	77	150616	20.328	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	114706	20.100	ug/l	99
28) Bromochloromethane	7.244	49	69276	20.335	ug/l	96
29) Tetrahydrofuran	7.262	42	67731	85.363	ug/l	95
30) Chloroform	7.415	83	182352	20.591	ug/l	96
31) Cyclohexane	7.695	56	156917	19.392	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	161426	20.543	ug/l	98
36) 1,1-Dichloropropene	7.829	75	131067	20.063	ug/l	99
37) Ethyl Acetate	6.982	43	45793	16.687	ug/l	98
38) Carbon Tetrachloride	7.817	117	142349	20.062	ug/l	98
39) Methylcyclohexane	9.109	83	160783	18.690	ug/l	97
40) Benzene	8.073	78	408860	20.306	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
 Data File : VY023086.D
 Acq On : 14 Aug 2025 11:22
 Operator : SY/MD
 Sample : VY0814SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0814SBS01

Manual Integrations
 APPROVED

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

Quant Time: Aug 14 14:47:08 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	7.213	41	23134	14.607	ug/l #	86
42) 1,2-Dichloroethane	8.152	62	104577	19.970	ug/l	98
43) Isopropyl Acetate	8.195	43	95745	17.262	ug/l	98
44) Trichloroethene	8.859	130	106605	20.488	ug/l	98
45) 1,2-Dichloropropane	9.140	63	95447	20.603	ug/l	99
46) Dibromomethane	9.225	93	51967	19.543	ug/l	97
47) Bromodichloromethane	9.420	83	137131	20.042	ug/l	98
48) Methyl methacrylate	9.219	41	45987	17.327	ug/l	98
49) 1,4-Dioxane	9.225	88	10785	345.913	ug/l #	94
51) 4-Methyl-2-Pentanone	9.993	43	238881	83.495	ug/l	97
52) Toluene	10.164	92	252944	19.780	ug/l	97
53) t-1,3-Dichloropropene	10.390	75	114364	18.458	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	141980	19.379	ug/l	99
55) 1,1,2-Trichloroethane	10.566	97	66658	18.734	ug/l	97
56) Ethyl methacrylate	10.438	69	75122	16.500	ug/l	98
57) 1,3-Dichloropropane	10.713	76	114859	19.034	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	187201	87.167	ug/l	100
59) 2-Hexanone	10.755	43	159619	81.934	ug/l	98
60) Dibromochloromethane	10.908	129	88354	18.819	ug/l	100
61) 1,2-Dibromoethane	11.011	107	61746	18.463	ug/l	100
64) Tetrachloroethene	10.646	164	123429	21.538	ug/l	98
65) Chlorobenzene	11.438	112	272937	19.716	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.511	131	93115	19.819	ug/l	98
67) Ethyl Benzene	11.517	91	461952	19.391	ug/l	100
68) m/p-Xylenes	11.627	106	362129	38.921	ug/l	98
69) o-Xylene	11.950	106	165485	18.990	ug/l	97
70) Styrene	11.963	104	273749	19.209	ug/l	99
71) Bromoform	12.127	173	49863	18.159	ug/l #	100
73) Isopropylbenzene	12.249	105	423027	19.345	ug/l	99
74) N-amyl acetate	12.066	43	78613	16.952	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.499	83	64150	17.181	ug/l	94
76) 1,2,3-Trichloropropane	12.554	75	54979m	18.387	ug/l	
77) Bromobenzene	12.529	156	100851	19.332	ug/l	98
78) n-propylbenzene	12.590	91	520711	20.001	ug/l	100
79) 2-Chlorotoluene	12.676	91	297769	19.962	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	348710	19.731	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	21491	17.398	ug/l	94
82) 4-Chlorotoluene	12.773	91	312655	20.205	ug/l	98
83) tert-Butylbenzene	12.993	119	303222	18.997	ug/l	100
84) 1,2,4-Trimethylbenzene	13.036	105	351003	19.952	ug/l	99
85) sec-Butylbenzene	13.170	105	458024	19.534	ug/l	99
86) p-Isopropyltoluene	13.285	119	374466	19.240	ug/l	99
87) 1,3-Dichlorobenzene	13.279	146	200869	19.525	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	200293	19.626	ug/l	98
89) n-Butylbenzene	13.615	91	344791	19.289	ug/l	98
90) Hexachloroethane	13.877	117	80689	20.252	ug/l	97
91) 1,2-Dichlorobenzene	13.651	146	172852	19.158	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	9872	16.982	ug/l	95
93) 1,2,4-Trichlorobenzene	14.913	180	93915	17.602	ug/l	99
94) Hexachlorobutadiene	15.017	225	58299	18.595	ug/l	98
95) Naphthalene	15.139	128	142271	15.638	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	79576	17.308	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
Data File : VY023086.D
Acq On : 14 Aug 2025 11:22
Operator : SY/MD
Sample : VY0814SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0814SBS01

Manual Integrations
APPROVED

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

Quant Time: Aug 14 14:47:08 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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
 Data File : VY023086.D
 Acq On : 14 Aug 2025 11:22
 Operator : SY/MD
 Sample : VY0814SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0814SBS01

Quant Time: Aug 14 14:47:08 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

Manual Integrations APPROVED

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

