

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023061.D
 Acq On : 13 Aug 2025 11:09
 Operator : SY/MD
 Sample : VY0813SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0813SBS01

Quant Time: Aug 14 01:20:39 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 :Mahesh Dadoda 08/18/2025
 Supervised By :Semsettin Yesilyurt 08/19/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	478194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	775826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	675926	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	325106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	229361	50.326	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.660%			
35) Dibromofluoromethane	7.628	113	229320	49.398	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.800%			
50) Toluene-d8	10.103	98	906626	49.992	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.980%			
62) 4-Bromofluorobenzene	12.401	95	279619	47.943	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	86360	22.125	ug/l	98
3) Chloromethane	2.068	50	149822	23.698	ug/l	99
4) Vinyl Chloride	2.202	62	184278	23.580	ug/l	99
5) Bromomethane	2.586	94	139698	23.936	ug/l	95
6) Chloroethane	2.726	64	120677	23.227	ug/l	100
7) Trichlorofluoromethane	3.049	101	213662	22.485	ug/l	98
8) Diethyl Ether	3.452	74	51671	20.553	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	101004	21.545	ug/l	100
10) Methyl Iodide	4.001	142	97379	19.249	ug/l	99
11) Tert butyl alcohol	4.854	59	27933	89.450	ug/l	99
12) 1,1-Dichloroethene	3.781	96	98921	21.467	ug/l	97
13) Acrolein	3.647	56	42693	93.352	ug/l	95
14) Allyl chloride	4.372	41	143464	21.158	ug/l	99
15) Acrylonitrile	5.049	53	100833	98.653	ug/l	98
16) Acetone	3.866	43	99920	101.199	ug/l	96
17) Carbon Disulfide	4.098	76	326606	21.737	ug/l	98
18) Methyl Acetate	4.379	43	55687	18.953	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	237530	19.892	ug/l	100
20) Methylene Chloride	4.610	84	118853	21.623	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	109941	21.230	ug/l	95
22) Diisopropyl ether	6.012	45	313978	21.310	ug/l	96
23) Vinyl Acetate	5.951	43	814993	100.034	ug/l	98
24) 1,1-Dichloroethane	5.909	63	192114	21.326	ug/l	99
25) 2-Butanone	6.890	43	130779	97.389	ug/l	96
26) 2,2-Dichloropropane	6.878	77	169264	21.776	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	126291	21.095	ug/l	99
28) Bromochloromethane	7.238	49	74346	20.802	ug/l	99
29) Tetrahydrofuran	7.262	42	79003	94.913	ug/l	97
30) Chloroform	7.415	83	200297	21.559	ug/l	95
31) Cyclohexane	7.695	56	173959	20.493	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	176542	21.416	ug/l	98
36) 1,1-Dichloropropene	7.829	75	142922	20.716	ug/l	98
37) Ethyl Acetate	6.982	43	55643	19.200	ug/l	99
38) Carbon Tetrachloride	7.811	117	154916	20.674	ug/l	100
39) Methylcyclohexane	9.103	83	184052	20.258	ug/l	99
40) Benzene	8.073	78	446973	21.020	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023061.D
 Acq On : 13 Aug 2025 11:09
 Operator : SY/MD
 Sample : VY0813SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0813SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/18/2025
 Supervised By :Semsettin Yesilyurt 08/19/2025

Quant Time: Aug 14 01:20:39 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	27819m	16.633	ug/l	
42) 1,2-Dichloroethane	8.152	62	114299	20.668	ug/l	98
43) Isopropyl Acetate	8.195	43	108405	18.507	ug/l	98
44) Trichloroethene	8.859	130	113487	20.652	ug/l	94
45) 1,2-Dichloropropane	9.134	63	103105	21.073	ug/l	97
46) Dibromomethane	9.225	93	57310	20.408	ug/l	98
47) Bromodichloromethane	9.420	83	151024	20.900	ug/l	100
48) Methyl methacrylate	9.219	41	51033	18.207	ug/l	95
49) 1,4-Dioxane	9.225	88	13354	405.561	ug/l	99
51) 4-Methyl-2-Pentanone	9.993	43	281551	93.183	ug/l	99
52) Toluene	10.164	92	280495	20.769	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	128144	19.584	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	157108	20.305	ug/l	98
55) 1,1,2-Trichloroethane	10.566	97	73477	19.554	ug/l	97
56) Ethyl methacrylate	10.438	69	88174	18.338	ug/l	97
57) 1,3-Dichloropropane	10.713	76	129029	20.247	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	214069	94.383	ug/l	100
59) 2-Hexanone	10.755	43	191315	92.987	ug/l	97
60) Dibromochloromethane	10.908	129	97950	19.755	ug/l	99
61) 1,2-Dibromoethane	11.011	107	69337	19.632	ug/l	99
64) Tetrachloroethene	10.640	164	134131	22.223	ug/l	98
65) Chlorobenzene	11.438	112	297874	20.431	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	101895	20.592	ug/l	99
67) Ethyl Benzene	11.511	91	512586	20.430	ug/l	99
68) m/p-Xylenes	11.627	106	399348	40.752	ug/l	98
69) o-Xylene	11.950	106	184155	20.065	ug/l	98
70) Styrene	11.963	104	302870	20.179	ug/l	99
71) Bromoform	12.127	173	55061	19.039	ug/l #	98
73) Isopropylbenzene	12.249	105	481276	20.975	ug/l	100
74) N-amyl acetate	12.066	43	94137	19.346	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.499	83	71870	18.344	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	59594m	18.993	ug/l	
77) Bromobenzene	12.529	156	111502	20.369	ug/l	98
78) n-propylbenzene	12.590	91	581635	21.291	ug/l	100
79) 2-Chlorotoluene	12.676	91	332511	21.244	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	390462	21.055	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	25293	19.514	ug/l	98
82) 4-Chlorotoluene	12.773	91	343845	21.176	ug/l	100
83) tert-Butylbenzene	12.993	119	344106	20.545	ug/l	100
84) 1,2,4-Trimethylbenzene	13.036	105	390034	21.128	ug/l	99
85) sec-Butylbenzene	13.170	105	515732	20.962	ug/l	100
86) p-Isopropyltoluene	13.285	119	426905	20.904	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	220435	20.420	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	219736	20.520	ug/l	99
89) n-Butylbenzene	13.615	91	390572	20.823	ug/l	98
90) Hexachloroethane	13.877	117	89456	21.398	ug/l	98
91) 1,2-Dichlorobenzene	13.651	146	191827	20.262	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	11881	19.477	ug/l	93
93) 1,2,4-Trichlorobenzene	14.913	180	105900	18.915	ug/l	98
94) Hexachlorobutadiene	15.017	225	66091	20.089	ug/l	98
95) Naphthalene	15.139	128	162104	16.980	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	89070	18.463	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
Data File : VY023061.D
Acq On : 13 Aug 2025 11:09
Operator : SY/MD
Sample : VY0813SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/18/2025
Supervised By :Semsettin Yesilyurt 08/19/2025

Quant Time: Aug 14 01:20:39 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

