

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
 Data File : VY023087.D
 Acq On : 14 Aug 2025 11:45
 Operator : SY/MD
 Sample : VY0814SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 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 14:47:25 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	440114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	717756	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	626725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	312365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	227362	54.204	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.400%			
35) Dibromofluoromethane	7.634	113	225892	52.596	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.200%			
50) Toluene-d8	10.103	98	884197	52.699	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.400%			
62) 4-Bromofluorobenzene	12.401	95	273855	50.753	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	77892	21.682	ug/l	99
3) Chloromethane	2.068	50	142644	24.515	ug/l	98
4) Vinyl Chloride	2.202	62	175924	24.459	ug/l	98
5) Bromomethane	2.592	94	135494	25.224	ug/l	96
6) Chloroethane	2.732	64	117427	24.557	ug/l	99
7) Trichlorofluoromethane	3.049	101	192015	21.955	ug/l	99
8) Diethyl Ether	3.452	74	46584	20.132	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	94999	22.017	ug/l	99
10) Methyl Iodide	4.000	142	111759	24.003	ug/l	97
11) Tert butyl alcohol	4.860	59	26645	92.708	ug/l	100
12) 1,1-Dichloroethene	3.787	96	90215	21.272	ug/l	98
13) Acrolein	3.653	56	38323	91.047	ug/l	93
14) Allyl chloride	4.378	41	129279	20.716	ug/l	99
15) Acrylonitrile	5.055	53	96070	102.126	ug/l	99
16) Acetone	3.866	43	92571	101.868	ug/l	96
17) Carbon Disulfide	4.104	76	304061	21.988	ug/l	100
18) Methyl Acetate	4.385	43	56068	20.733	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	221092	20.118	ug/l	98
20) Methylene Chloride	4.610	84	114447	22.756	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	102154	21.433	ug/l	98
22) Diisopropyl ether	6.012	45	291470	21.494	ug/l	95
23) Vinyl Acetate	5.957	43	766046	102.161	ug/l	100
24) 1,1-Dichloroethane	5.909	63	182539	22.017	ug/l	99
25) 2-Butanone	6.890	43	122644	99.233	ug/l	98
26) 2,2-Dichloropropane	6.878	77	155065	21.675	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	117893	21.396	ug/l	100
28) Bromochloromethane	7.244	49	72174	21.942	ug/l	98
29) Tetrahydrofuran	7.256	42	75422	98.450	ug/l	98
30) Chloroform	7.421	83	188562	22.052	ug/l	97
31) Cyclohexane	7.701	56	160740	20.574	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	164781	21.719	ug/l	98
36) 1,1-Dichloropropene	7.835	75	132790	20.805	ug/l	99
37) Ethyl Acetate	6.988	43	52482	19.574	ug/l	98
38) Carbon Tetrachloride	7.811	117	145254	20.953	ug/l	97
39) Methylcyclohexane	9.103	83	165962	19.745	ug/l	100
40) Benzene	8.079	78	422488	21.476	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	28185	18.215	ug/l	93
42) 1,2-Dichloroethane	8.152	62	107615	21.033	ug/l	99
43) Isopropyl Acetate	8.195	43	105845	19.532	ug/l	100
44) Trichloroethene	8.859	130	105099	20.673	ug/l	95
45) 1,2-Dichloropropane	9.140	63	96326	21.281	ug/l	98
46) Dibromomethane	9.231	93	54207	20.865	ug/l	96
47) Bromodichloromethane	9.420	83	142496	21.316	ug/l	98
48) Methyl methacrylate	9.219	41	50034	19.294	ug/l	99
49) 1,4-Dioxane	9.225	88	12367	405.972	ug/l	97
51) 4-Methyl-2-Pentanone	9.993	43	269803	96.519	ug/l	99
52) Toluene	10.170	92	263665	21.103	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	123723	20.438	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	147619	20.622	ug/l	98
55) 1,1,2-Trichloroethane	10.566	97	71850	20.668	ug/l	98
56) Ethyl methacrylate	10.438	69	82052	18.445	ug/l	96
57) 1,3-Dichloropropane	10.713	76	120349	20.413	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	207183	98.737	ug/l	100
59) 2-Hexanone	10.755	43	181752	95.486	ug/l	97
60) Dibromochloromethane	10.908	129	93374	20.356	ug/l	98
61) 1,2-Dibromoethane	11.011	107	67027	20.513	ug/l	99
64) Tetrachloroethene	10.646	164	109781	19.617	ug/l	98
65) Chlorobenzene	11.438	112	285369	21.110	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.511	131	96112	20.948	ug/l	99
67) Ethyl Benzene	11.517	91	474005	20.375	ug/l	97
68) m/p-Xylenes	11.627	106	378562	41.664	ug/l	99
69) o-Xylene	11.950	106	174623	20.520	ug/l	100
70) Styrene	11.962	104	286979	20.621	ug/l	100
71) Bromoform	12.127	173	54324	20.259	ug/l #	100
73) Isopropylbenzene	12.249	105	442723	20.081	ug/l	100
74) N-amyl acetate	12.066	43	87193	18.650	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.499	83	78539	20.864	ug/l	99
76) 1,2,3-Trichloropropane	12.548	75	48092m	15.953	ug/l	
77) Bromobenzene	12.529	156	105005	19.964	ug/l	97
78) n-propylbenzene	12.590	91	548250	20.888	ug/l	100
79) 2-Chlorotoluene	12.676	91	309929	20.609	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	367513	20.626	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	23035	18.496	ug/l	94
82) 4-Chlorotoluene	12.773	91	325249	20.848	ug/l	100
83) tert-Butylbenzene	12.993	119	326740	20.304	ug/l	100
84) 1,2,4-Trimethylbenzene	13.035	105	367984	20.747	ug/l	99
85) sec-Butylbenzene	13.170	105	489089	20.690	ug/l	100
86) p-Isopropyltoluene	13.285	119	403954	20.587	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	217547	20.974	ug/l	98
88) 1,4-Dichlorobenzene	13.359	146	213512	20.752	ug/l	98
89) n-Butylbenzene	13.615	91	371218	20.598	ug/l	98
90) Hexachloroethane	13.871	117	84649	21.074	ug/l	97
91) 1,2-Dichlorobenzene	13.651	146	188585	20.732	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.267	75	11291	19.265	ug/l	99
93) 1,2,4-Trichlorobenzene	14.913	180	103325	19.208	ug/l	99
94) Hexachlorobutadiene	15.017	225	64258	20.329	ug/l	98
95) Naphthalene	15.139	128	168186	18.336	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	88181	19.024	ug/l	99

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

