

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
 Data File : VY023084.D
 Acq On : 14 Aug 2025 10:17
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 14 14:46:40 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

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	410930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	647551	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	582049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	290049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	221987	56.681	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.360%			
35) Dibromofluoromethane	7.628	113	223080	57.573	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.140%			
50) Toluene-d8	10.103	98	875441	57.835	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 115.660%			
62) 4-Bromofluorobenzene	12.401	95	276611	56.822	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 113.640%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.861	85	151094	45.046	ug/l	100
3) Chloromethane	2.068	50	303228	55.814	ug/l	96
4) Vinyl Chloride	2.202	62	388943	57.916	ug/l	98
5) Bromomethane	2.592	94	288079	57.438	ug/l	99
6) Chloroethane	2.732	64	273182	61.186	ug/l	98
7) Trichlorofluoromethane	3.050	101	438280	53.672	ug/l	97
8) Diethyl Ether	3.452	74	108282	50.120	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	217833	54.071	ug/l	99
10) Methyl Iodide	4.001	142	268014	61.652	ug/l	98
11) Tert butyl alcohol	4.854	59	58207	216.906	ug/l	99
12) 1,1-Dichloroethene	3.787	96	210368	53.125	ug/l	99
13) Acrolein	3.647	56	70939	180.505	ug/l	95
14) Allyl chloride	4.379	41	309516	53.120	ug/l	98
15) Acrylonitrile	5.055	53	225862	257.151	ug/l	99
16) Acetone	3.860	43	217392	256.214	ug/l	96
17) Carbon Disulfide	4.104	76	693545	53.714	ug/l	99
18) Methyl Acetate	4.379	43	127782	50.608	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	525251	51.188	ug/l	99
20) Methylene Chloride	4.610	84	249658	57.006	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	245991	55.278	ug/l	98
22) Diisopropyl ether	6.012	45	701401	55.396	ug/l	97
23) Vinyl Acetate	5.958	43	1858955	265.520	ug/l	99
24) 1,1-Dichloroethane	5.909	63	437716	56.544	ug/l	100
25) 2-Butanone	6.890	43	291161	252.314	ug/l	99
26) 2,2-Dichloropropane	6.884	77	369032	55.247	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	282758	54.962	ug/l	99
28) Bromochloromethane	7.244	49	180624	58.812	ug/l	97
29) Tetrahydrofuran	7.262	42	176218	246.358	ug/l	99
30) Chloroform	7.415	83	452700	56.703	ug/l	92
31) Cyclohexane	7.695	56	369548	50.659	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	395153	55.782	ug/l	99
36) 1,1-Dichloropropene	7.835	75	324519	56.356	ug/l	99
37) Ethyl Acetate	6.982	43	127399	52.667	ug/l	98
38) Carbon Tetrachloride	7.811	117	351380	56.181	ug/l	98
39) Methylcyclohexane	9.109	83	412645	54.417	ug/l	99
40) Benzene	8.079	78	1015204	57.200	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	60193	43.117	ug/l #	84
42) 1,2-Dichloroethane	8.158	62	257953	55.883	ug/l	98
43) Isopropyl Acetate	8.195	43	247901	50.705	ug/l	99
44) Trichloroethene	8.866	130	256850	56.001	ug/l	98
45) 1,2-Dichloropropane	9.140	63	236969	58.028	ug/l	98
46) Dibromomethane	9.231	93	132779	56.649	ug/l	98
47) Bromodichloromethane	9.420	83	344511	57.122	ug/l	98
48) Methyl methacrylate	9.219	41	123024	52.585	ug/l	99
49) 1,4-Dioxane	9.225	88	28396	1033.218	ug/l	95
51) 4-Methyl-2-Pentanone	9.993	43	657357	260.657	ug/l	99
52) Toluene	10.170	92	647492	57.441	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	301282	55.165	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	360945	55.890	ug/l	97
55) 1,1,2-Trichloroethane	10.566	97	173079	55.184	ug/l	96
56) Ethyl methacrylate	10.438	69	213481	53.193	ug/l	97
57) 1,3-Dichloropropane	10.713	76	292765	55.040	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	530251	280.099	ug/l	100
59) 2-Hexanone	10.755	43	442922	257.924	ug/l	98
60) Dibromochloromethane	10.908	129	231534	55.947	ug/l	100
61) 1,2-Dibromoethane	11.012	107	159967	54.265	ug/l	99
64) Tetrachloroethene	10.646	164	288037	55.420	ug/l	99
65) Chlorobenzene	11.438	112	693789	55.261	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	237008	55.623	ug/l	99
67) Ethyl Benzene	11.518	91	1213079	56.146	ug/l	99
68) m/p-Xylenes	11.627	106	959256	113.678	ug/l	100
69) o-Xylene	11.950	106	445491	56.368	ug/l	99
70) Styrene	11.969	104	755359	58.442	ug/l	99
71) Bromoform	12.127	173	128615	51.645	ug/l #	98
73) Isopropylbenzene	12.249	105	1153144	56.330	ug/l	100
74) N-amyl acetate	12.066	43	224404	51.690	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	180470	51.630	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	126115m	45.053	ug/l	
77) Bromobenzene	12.530	156	264791	54.218	ug/l	99
78) n-propylbenzene	12.590	91	1411858	57.928	ug/l	100
79) 2-Chlorotoluene	12.676	91	778755	55.767	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	950021	57.421	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	56963	49.259	ug/l	96
82) 4-Chlorotoluene	12.773	91	813961	56.188	ug/l	100
83) tert-Butylbenzene	12.993	119	830094	55.552	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	956285	58.063	ug/l	100
85) sec-Butylbenzene	13.170	105	1262155	57.500	ug/l	99
86) p-Isopropyltoluene	13.285	119	1062415	58.310	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	540543	56.125	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	526660	55.125	ug/l	100
89) n-Butylbenzene	13.615	91	968977	57.904	ug/l	100
90) Hexachloroethane	13.877	117	210671	56.482	ug/l	98
91) 1,2-Dichlorobenzene	13.651	146	469762	55.616	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	28212	51.839	ug/l	92
93) 1,2,4-Trichlorobenzene	14.919	180	258580	51.769	ug/l	99
94) Hexachlorobutadiene	15.017	225	158788	54.099	ug/l	99
95) Naphthalene	15.139	128	433775	50.929	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	220135	51.145	ug/l	99

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

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