

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023037.D
 Acq On : 21 Jul 2025 19:16
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/22/2025
 Supervised By :Semsettin Yesilyurt 07/22/2025

Quant Time: Jul 22 04:56:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	364935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	608629	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	534345	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	267706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	200633	54.308	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.620%			
35) Dibromofluoromethane	7.634	113	188725	48.883	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.760%			
50) Toluene-d8	10.103	98	750336	49.009	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.020%			
62) 4-Bromofluorobenzene	12.402	95	239984	49.795	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	126982	40.979	ug/l	98
3) Chloromethane	2.068	50	269659	51.179	ug/l	98
4) Vinyl Chloride	2.202	62	341701	51.189	ug/l	100
5) Bromomethane	2.592	94	257125	53.371	ug/l	99
6) Chloroethane	2.733	64	241112	54.083	ug/l	95
7) Trichlorofluoromethane	3.056	101	357561	46.144	ug/l	99
8) Diethyl Ether	3.452	74	97187	47.921	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	180521	44.347	ug/l	99
10) Methyl Iodide	4.001	142	210246	49.718	ug/l	100
11) Tert butyl alcohol	4.860	59	59487	266.251	ug/l	100
12) 1,1-Dichloroethene	3.787	96	174127	44.904	ug/l	100
13) Acrolein	3.653	56	11930	113.632	ug/l	97
14) Allyl chloride	4.379	41	278218	47.094	ug/l	97
15) Acrylonitrile	5.055	53	209182	272.310	ug/l	99
16) Acetone	3.867	43	152093	227.117	ug/l	99
17) Carbon Disulfide	4.104	76	533311	45.378	ug/l	99
18) Methyl Acetate	4.385	43	153573	67.737	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	486107	52.263	ug/l	100
20) Methylene Chloride	4.610	84	245177	52.461	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	204974	47.486	ug/l	96
22) Diisopropyl ether	6.013	45	645325	51.489	ug/l	96
23) Vinyl Acetate	5.958	43	1585664	251.092	ug/l	100
24) 1,1-Dichloroethane	5.909	63	390117	49.557	ug/l	99
25) 2-Butanone	6.890	43	249667	259.880	ug/l	99
26) 2,2-Dichloropropane	6.884	77	299317	43.384	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	244418	49.131	ug/l	99
28) Bromochloromethane	7.244	49	163732	53.625	ug/l	98
29) Tetrahydrofuran	7.256	42	167649	275.629	ug/l	98
30) Chloroform	7.421	83	405722	51.090	ug/l	98
31) Cyclohexane	7.701	56	318510	43.302	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	345470	47.946	ug/l	98
36) 1,1-Dichloropropene	7.829	75	279833	46.015	ug/l	100
37) Ethyl Acetate	6.982	43	110808	49.061	ug/l	100
38) Carbon Tetrachloride	7.817	117	300995	45.558	ug/l	98
39) Methylcyclohexane	9.103	83	347320	44.125	ug/l	99
40) Benzene	8.079	78	892923	48.766	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.214	41	66052	53.684	ug/l	99
42) 1,2-Dichloroethane	8.158	62	237723	52.184	ug/l	99
43) Isopropyl Acetate	8.195	43	232858	51.904	ug/l #	86
44) Trichloroethene	8.860	130	213038	45.298	ug/l	91
45) 1,2-Dichloropropane	9.140	63	209857	49.079	ug/l	95
46) Dibromomethane	9.225	93	113255	51.242	ug/l	99
47) Bromodichloromethane	9.420	83	306564	50.179	ug/l	98
48) Methyl methacrylate	9.219	41	120235	55.511	ug/l	98
49) 1,4-Dioxane	9.225	88	25465	1093.044	ug/l	90
51) 4-Methyl-2-Pentanone	9.994	43	625368	274.629	ug/l	99
52) Toluene	10.170	92	552862	48.565	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	261758	49.912	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	314351	49.731	ug/l	99
55) 1,1,2-Trichloroethane	10.567	97	148571	51.144	ug/l	97
56) Ethyl methacrylate	10.439	69	192668	53.131	ug/l	99
57) 1,3-Dichloropropane	10.713	76	261483	52.107	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	491519	276.893	ug/l	100
59) 2-Hexanone	10.756	43	412272	275.436	ug/l	100
60) Dibromochloromethane	10.908	129	196174	51.572	ug/l	100
61) 1,2-Dibromoethane	11.012	107	137078	51.963	ug/l	99
64) Tetrachloroethene	10.646	164	230259	42.158	ug/l	98
65) Chlorobenzene	11.438	112	591032	46.874	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.512	131	205201	47.714	ug/l	100
67) Ethyl Benzene	11.518	91	1054339	47.175	ug/l	100
68) m/p-Xylenes	11.627	106	809746	94.459	ug/l	100
69) o-Xylene	11.950	106	381261	47.923	ug/l	99
70) Styrene	11.963	104	649988	49.878	ug/l	100
71) Bromoform	12.127	173	107452	49.216	ug/l #	98
73) Isopropylbenzene	12.249	105	988566	43.555	ug/l	100
74) N-amyl acetate	12.066	43	198406	46.366	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.499	83	162073	49.344	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	129107m	38.703	ug/l	
77) Bromobenzene	12.530	156	221834	45.064	ug/l	99
78) n-propylbenzene	12.591	91	1209202	44.738	ug/l	100
79) 2-Chlorotoluene	12.676	91	672715	44.254	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	807990	45.137	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	49252	43.976	ug/l	99
82) 4-Chlorotoluene	12.774	91	702672	45.832	ug/l	99
83) tert-Butylbenzene	12.993	119	714791	44.206	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	810500	45.996	ug/l	99
85) sec-Butylbenzene	13.170	105	1075896	44.401	ug/l	100
86) p-Isopropyltoluene	13.286	119	882609	44.848	ug/l	99
87) 1,3-Dichlorobenzene	13.280	146	443132	44.606	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	430652	44.810	ug/l	99
89) n-Butylbenzene	13.615	91	824788	45.418	ug/l	99
90) Hexachloroethane	13.877	117	180473	44.294	ug/l	99
91) 1,2-Dichlorobenzene	13.651	146	385924	46.055	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	25174	51.619	ug/l	96
93) 1,2,4-Trichlorobenzene	14.913	180	201178	45.546	ug/l	100
94) Hexachlorobutadiene	15.017	225	118232	42.457	ug/l	99
95) Naphthalene	15.139	128	357137	50.411	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	170114	46.643	ug/l	99

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

