

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022231.D
 Acq On : 12 May 2025 18:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
 Supervised By :Semsettin Yesilyurt 05/13/2025

Quant Time: May 13 03:26:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	137997	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	202474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	198143	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	113216	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	99171	77.802	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 155.600%			
35) Dibromofluoromethane	7.634	113	107692	80.508	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 161.020%#			
50) Toluene-d8	10.103	98	411594	81.618	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 163.240%#			
62) 4-Bromofluorobenzene	12.401	95	138582	81.631	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 163.260%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	70005	59.535	ug/l	97
3) Chloromethane	2.062	50	130228	77.780	ug/l	99
4) Vinyl Chloride	2.202	62	161411	78.450	ug/l	100
5) Bromomethane	2.592	94	121460	68.520	ug/l	100
6) Chloroethane	2.732	64	109833	78.382	ug/l	99
7) Trichlorofluoromethane	3.049	101	193442	71.299	ug/l	99
8) Diethyl Ether	3.452	74	48590	68.809	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.811	101	104536	71.027	ug/l	97
10) Methyl Iodide	4.000	142	107139	62.874	ug/l	97
11) Tert butyl alcohol	4.878	59	25756	368.061	ug/l #	94
12) 1,1-Dichloroethene	3.781	96	91696	66.842	ug/l	95
13) Acrolein	3.647	56	10095	80.377	ug/l	97
14) Allyl chloride	4.378	41	116201	72.746	ug/l	96
15) Acrylonitrile	5.055	53	102076	394.848	ug/l	100
16) Acetone	3.872	43	68489	425.496	ug/l	97
17) Carbon Disulfide	4.104	76	282720	64.635	ug/l	99
18) Methyl Acetate	4.385	43	60968	102.395	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	228549	74.435	ug/l	98
20) Methylene Chloride	4.610	84	113373	70.341	ug/l	94
21) trans-1,2-Dichloroethene	5.110	96	109060	70.986	ug/l	95
22) Diisopropyl ether	6.018	45	287687	80.930	ug/l	98
23) Vinyl Acetate	5.957	43	744895	388.823	ug/l	99
24) 1,1-Dichloroethane	5.915	63	186192	75.565	ug/l	98
25) 2-Butanone	6.890	43	117350	403.887	ug/l	98
26) 2,2-Dichloropropane	6.878	77	157095	72.742	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	126398	73.578	ug/l	98
28) Bromochloromethane	7.244	49	80617	84.234	ug/l	94
29) Tetrahydrofuran	7.268	42	78599	416.511	ug/l	99
30) Chloroform	7.421	83	211912	77.535	ug/l	97
31) Cyclohexane	7.701	56	146213	69.391	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	184411	74.579	ug/l	99
36) 1,1-Dichloropropene	7.835	75	140412	78.145	ug/l	99
37) Ethyl Acetate	6.982	43	54062	83.774	ug/l	97
38) Carbon Tetrachloride	7.817	117	168210	78.344	ug/l	99
39) Methylcyclohexane	9.109	83	170524	75.413	ug/l	97
40) Benzene	8.079	78	452823	80.619	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	28763	81.534	ug/l	93
42) 1,2-Dichloroethane	8.152	62	115134	82.792	ug/l	100
43) Isopropyl Acetate	8.195	43	105964	85.503	ug/l	98
44) Trichloroethene	8.865	130	116183	74.679	ug/l	99
45) 1,2-Dichloropropane	9.140	63	104859	84.419	ug/l	99
46) Dibromomethane	9.231	93	65098	83.721	ug/l	96
47) Bromodichloromethane	9.420	83	160218	82.482	ug/l	98
48) Methyl methacrylate	9.219	41	48871	85.303	ug/l	98
49) 1,4-Dioxane	9.231	88	13618	1643.193	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	305973	470.975	ug/l	98
52) Toluene	10.170	92	303124	83.372	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	139289	83.600	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	163551	82.578	ug/l	99
55) 1,1,2-Trichloroethane	10.566	97	87658	84.397	ug/l	98
56) Ethyl methacrylate	10.438	69	101448	85.412	ug/l	95
57) 1,3-Dichloropropane	10.713	76	144170	86.585	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	279430	481.171	ug/l	98
59) 2-Hexanone	10.761	43	204345	476.880	ug/l	97
60) Dibromochloromethane	10.908	129	121667	84.609	ug/l	99
61) 1,2-Dibromoethane	11.011	107	83775	85.437	ug/l	99
64) Tetrachloroethene	10.646	164	130869	70.013	ug/l	97
65) Chlorobenzene	11.438	112	334269	75.439	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	123055	78.884	ug/l	99
67) Ethyl Benzene	11.517	91	567675	78.318	ug/l	99
68) m/p-Xylenes	11.627	106	456689	158.337	ug/l	99
69) o-Xylene	11.950	106	207843	78.183	ug/l	98
70) Styrene	11.969	104	365779	81.948	ug/l	100
71) Bromoform	12.133	173	72907	80.387	ug/l #	100
73) Isopropylbenzene	12.255	105	554297	73.281	ug/l	100
74) N-amyl acetate	12.066	43	99890	76.864	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	100625	78.905	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	68779m	70.924	ug/l	
77) Bromobenzene	12.529	156	138135	72.272	ug/l	97
78) n-propylbenzene	12.590	91	679090	75.388	ug/l	100
79) 2-Chlorotoluene	12.676	91	391541	74.741	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	470826	75.545	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	29598	73.500	ug/l	97
82) 4-Chlorotoluene	12.773	91	408436	75.001	ug/l	100
83) tert-Butylbenzene	12.993	119	423591	75.784	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	481603	77.257	ug/l	100
85) sec-Butylbenzene	13.170	105	619894	75.790	ug/l	100
86) p-Isopropyltoluene	13.291	119	525429	75.652	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	281281	72.459	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	275599	71.683	ug/l	99
89) n-Butylbenzene	13.615	91	469077	75.561	ug/l	99
90) Hexachloroethane	13.877	117	114956	75.334	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	252581	74.599	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15732	77.539	ug/l	87
93) 1,2,4-Trichlorobenzene	14.919	180	137164	71.490	ug/l	99
94) Hexachlorobutadiene	15.023	225	83768	70.961	ug/l	100
95) Naphthalene	15.145	128	234571	73.597	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	120586	72.809	ug/l	98

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

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