

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022329.D
 Acq On : 20 May 2025 08:40
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
 Supervised By :Semsettin Yesilyurt 05/21/2025

Quant Time: May 21 01:42:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	180374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	298369	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	252391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	120747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96211	48.805	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.620%		
35) Dibromofluoromethane	7.634	113	90959	51.076	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.160%		
50) Toluene-d8	10.109	98	375501	51.484	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.960%		
62) 4-Bromofluorobenzene	12.408	95	111811	48.365	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.740%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	87856	46.679	ug/l	99
3) Chloromethane	2.068	50	197335	49.842	ug/l	100
4) Vinyl Chloride	2.202	62	274924	62.153	ug/l	97
5) Bromomethane	2.598	94	209168	58.088	ug/l	99
6) Chloroethane	2.733	64	182573	66.345	ug/l	100
7) Trichlorofluoromethane	3.050	101	251083	56.065	ug/l	100
8) Diethyl Ether	3.452	74	49275	45.847	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	99707	51.283	ug/l	98
10) Methyl Iodide	4.007	142	113213	50.311	ug/l	99
11) Tert butyl alcohol	4.860	59	32480	215.761	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	96307	49.916	ug/l	98
13) Acrolein	3.653	56	26963	122.519	ug/l	94
14) Allyl chloride	4.379	41	152279	45.013	ug/l	94
15) Acrylonitrile	5.055	53	100495	226.925	ug/l	99
16) Acetone	3.873	43	82432	223.009	ug/l	90
17) Carbon Disulfide	4.104	76	308666	49.060	ug/l	99
18) Methyl Acetate	4.385	43	49112	42.141	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	249468	46.893	ug/l	99
20) Methylene Chloride	4.616	84	104952	43.941	ug/l	92
21) trans-1,2-Dichloroethene	5.116	96	105103	49.353	ug/l	91
22) Diisopropyl ether	6.019	45	328037	45.916	ug/l	99
23) Vinyl Acetate	5.958	43	945452	219.054	ug/l	97
24) 1,1-Dichloroethane	5.915	63	195759	49.046	ug/l	97
25) 2-Butanone	6.890	43	132386	214.116	ug/l	97
26) 2,2-Dichloropropane	6.884	77	176104	49.606	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	123269	50.159	ug/l	99
28) Bromochloromethane	7.244	49	84842	49.834	ug/l	96
29) Tetrahydrofuran	7.262	42	85738	215.541	ug/l	95
30) Chloroform	7.421	83	191099	49.916	ug/l	100
31) Cyclohexane	7.701	56	186740	46.827	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	174168	49.587	ug/l	99
36) 1,1-Dichloropropene	7.835	75	146745	50.028	ug/l	99
37) Ethyl Acetate	6.988	43	60741	43.038	ug/l	99
38) Carbon Tetrachloride	7.817	117	154127	50.762	ug/l	99
39) Methylcyclohexane	9.109	83	197541	50.127	ug/l	96
40) Benzene	8.079	78	439609	50.555	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	42308m	45.192	ug/l	
42) 1,2-Dichloroethane	8.158	62	113474	48.255	ug/l	100
43) Isopropyl Acetate	8.195	43	132355	43.001	ug/l #	86
44) Trichloroethene	8.866	130	108566	50.212	ug/l	96
45) 1,2-Dichloropropane	9.140	63	103106	49.181	ug/l	98
46) Dibromomethane	9.231	93	54532	48.227	ug/l	97
47) Bromodichloromethane	9.420	83	145860	49.724	ug/l	100
48) Methyl methacrylate	9.219	41	61712	42.873	ug/l	94
49) 1,4-Dioxane	9.231	88	12080	945.674	ug/l	90
51) 4-Methyl-2-Pentanone	10.000	43	328310	217.386	ug/l	97
52) Toluene	10.170	92	272032	49.403	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	136680	47.744	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	157453	48.006	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	69620	48.082	ug/l	98
56) Ethyl methacrylate	10.438	69	103441	45.862	ug/l	97
57) 1,3-Dichloropropane	10.719	76	124485	48.388	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	228868	226.074	ug/l	99
59) 2-Hexanone	10.762	43	216713	214.015	ug/l	97
60) Dibromochloromethane	10.914	129	90557	48.185	ug/l	100
61) 1,2-Dibromoethane	11.018	107	64317	47.659	ug/l	99
64) Tetrachloroethene	10.646	164	118778	50.915	ug/l	98
65) Chlorobenzene	11.444	112	283164	49.729	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	96653	49.374	ug/l	99
67) Ethyl Benzene	11.518	91	534980	50.166	ug/l	100
68) m/p-Xylenes	11.627	106	405451	100.899	ug/l	98
69) o-Xylene	11.956	106	186251	48.989	ug/l	100
70) Styrene	11.969	104	316649	49.374	ug/l	98
71) Bromoform	12.133	173	48192	45.610	ug/l #	99
73) Isopropylbenzene	12.255	105	500715	50.055	ug/l	99
74) N-amyl acetate	12.072	43	122315	42.753	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	71869	46.716	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	57634m	47.114	ug/l	
77) Bromobenzene	12.536	156	101902	47.696	ug/l	99
78) n-propylbenzene	12.597	91	611228	50.658	ug/l	100
79) 2-Chlorotoluene	12.682	91	320605	48.352	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	398122	49.303	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	26577	44.011	ug/l	96
82) 4-Chlorotoluene	12.780	91	331061	48.542	ug/l	99
83) tert-Butylbenzene	12.999	119	353055	49.191	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	390297	48.690	ug/l	98
85) sec-Butylbenzene	13.176	105	535889	50.299	ug/l	100
86) p-Isopropyltoluene	13.292	119	448789	50.085	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	211690	48.536	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	200827	47.869	ug/l	99
89) n-Butylbenzene	13.615	91	430086	50.735	ug/l	99
90) Hexachloroethane	13.883	117	88228	48.777	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	175805	47.987	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11289	45.506	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	98395	46.496	ug/l	99
94) Hexachlorobutadiene	15.023	225	54240	45.960	ug/l	99
95) Naphthalene	15.145	128	179488	44.695	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	82076	45.719	ug/l	99

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

