

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022145.D
 Acq On : 05 May 2025 08:46
 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 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025

Quant Time: May 06 05:18:40 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	7.713	168	301546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	450262	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	415602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	221579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132883	47.708	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.420%		
35) Dibromofluoromethane	7.634	113	146286	49.177	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.360%		
50) Toluene-d8	10.109	98	559680	49.907	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.820%		
62) 4-Bromofluorobenzene	12.408	95	192281	50.932	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.860%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	112875	43.929	ug/l	99
3) Chloromethane	2.068	50	161688	44.193	ug/l	100
4) Vinyl Chloride	2.202	62	206368	45.901	ug/l	99
5) Bromomethane	2.599	94	160309	41.387	ug/l	100
6) Chloroethane	2.739	64	134635	43.970	ug/l	99
7) Trichlorofluoromethane	3.056	101	272284	45.927	ug/l	98
8) Diethyl Ether	3.458	74	70835	45.905	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	152288	47.352	ug/l	99
10) Methyl Iodide	4.007	142	179944	48.326	ug/l	98
11) Tert butyl alcohol	4.872	59	35368	231.296	ug/l	98
12) 1,1-Dichloroethene	3.787	96	142549	47.553	ug/l	97
13) Acrolein	3.659	56	34294	124.956	ug/l	100
14) Allyl chloride	4.385	41	166047	47.571	ug/l	98
15) Acrylonitrile	5.061	53	132967	235.378	ug/l	99
16) Acetone	3.873	43	93721	257.728	ug/l	97
17) Carbon Disulfide	4.110	76	423479	44.306	ug/l	98
18) Methyl Acetate	4.391	43	70510	54.193	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	334445	49.847	ug/l	100
20) Methylene Chloride	4.616	84	160823	45.663	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	159456	47.497	ug/l	98
22) Diisopropyl ether	6.019	45	386882	49.807	ug/l	96
23) Vinyl Acetate	5.964	43	1024665	244.768	ug/l	100
24) 1,1-Dichloroethane	5.915	63	257691	47.860	ug/l	98
25) 2-Butanone	6.897	43	151417	238.488	ug/l	98
26) 2,2-Dichloropropane	6.890	77	237802	50.391	ug/l	98
27) cis-1,2-Dichloroethene	6.897	96	183808	48.965	ug/l	99
28) Bromochloromethane	7.250	49	99882	47.760	ug/l	100
29) Tetrahydrofuran	7.268	42	101569	246.313	ug/l	98
30) Chloroform	7.421	83	291473	48.804	ug/l	98
31) Cyclohexane	7.701	56	216232	46.963	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	262037	48.496	ug/l	100
36) 1,1-Dichloropropene	7.835	75	201117	50.333	ug/l	100
37) Ethyl Acetate	6.988	43	69892	48.702	ug/l	96
38) Carbon Tetrachloride	7.817	117	243069	50.908	ug/l	97
39) Methylcyclohexane	9.110	83	257390	51.187	ug/l	99
40) Benzene	8.085	78	625230	50.056	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	43507m	55.458	ug/l	
42) 1,2-Dichloroethane	8.158	62	159242	51.493	ug/l	99
43) Isopropyl Acetate	8.201	43	137299	49.819	ug/l	99
44) Trichloroethene	8.866	130	173060	50.021	ug/l	96
45) 1,2-Dichloropropane	9.146	63	141445	51.207	ug/l	98
46) Dibromomethane	9.238	93	86996	50.312	ug/l	99
47) Bromodichloromethane	9.427	83	221679	51.319	ug/l	97
48) Methyl methacrylate	9.225	41	67168	52.721	ug/l	98
49) 1,4-Dioxane	9.231	88	18381	997.352	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	382449	264.723	ug/l	99
52) Toluene	10.170	92	420077	51.956	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	192400	51.928	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	227562	51.667	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	119511	51.742	ug/l	99
56) Ethyl methacrylate	10.439	69	138889	52.583	ug/l	98
57) 1,3-Dichloropropane	10.719	76	189498	51.177	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	346642	268.418	ug/l	99
59) 2-Hexanone	10.762	43	255230	267.843	ug/l	98
60) Dibromochloromethane	10.914	129	163529	51.138	ug/l	99
61) 1,2-Dibromoethane	11.018	107	112896	51.775	ug/l	98
64) Tetrachloroethene	10.646	164	204932	52.270	ug/l	98
65) Chlorobenzene	11.444	112	470366	50.610	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	165462	50.569	ug/l	100
67) Ethyl Benzene	11.518	91	788631	51.872	ug/l	100
68) m/p-Xylenes	11.627	106	629353	104.029	ug/l	99
69) o-Xylene	11.957	106	292170	52.398	ug/l	99
70) Styrene	11.969	104	499203	53.321	ug/l	99
71) Bromoform	12.133	173	94954	49.915	ug/l #	99
73) Isopropylbenzene	12.255	105	773553	52.254	ug/l	100
74) N-amyl acetate	12.072	43	125362	49.288	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	121976	48.871	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	96902m	51.057	ug/l	
77) Bromobenzene	12.536	156	190990	51.057	ug/l	99
78) n-propylbenzene	12.597	91	928299	52.656	ug/l	100
79) 2-Chlorotoluene	12.682	91	527905	51.489	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	643214	52.733	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	39816	50.520	ug/l	99
82) 4-Chlorotoluene	12.780	91	553248	51.909	ug/l	100
83) tert-Butylbenzene	12.999	119	571296	52.224	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	643015	52.705	ug/l	99
85) sec-Butylbenzene	13.176	105	843051	52.666	ug/l	100
86) p-Isopropyltoluene	13.292	119	713078	52.460	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	375900	49.477	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	372381	49.489	ug/l	99
89) n-Butylbenzene	13.621	91	634275	52.205	ug/l	99
90) Hexachloroethane	13.883	117	149353	50.010	ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	333414	50.315	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19712	49.642	ug/l	89
93) 1,2,4-Trichlorobenzene	14.919	180	188657	50.241	ug/l	100
94) Hexachlorobutadiene	15.023	225	115309	49.910	ug/l	98
95) Naphthalene	15.145	128	320223	51.336	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	164013	50.599	ug/l	98

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

