

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042425\
 Data File : VY021995.D
 Acq On : 24 Apr 2025 12:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
 Supervised By :Semsettin Yesilyurt 04/25/2025

Quant Time: Apr 25 01:23:58 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	288086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	443704	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	422078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	230222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137895	51.821	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.640%			
35) Dibromofluoromethane	7.634	113	156069	53.241	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.480%			
50) Toluene-d8	10.109	98	610188	55.215	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.420%			
62) 4-Bromofluorobenzene	12.401	95	204326	54.922	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	114424	46.613	ug/l	100
3) Chloromethane	2.062	50	184017	52.646	ug/l	100
4) Vinyl Chloride	2.202	62	218257	50.813	ug/l	100
5) Bromomethane	2.592	94	183226	49.513	ug/l	98
6) Chloroethane	2.732	64	148311	50.700	ug/l	99
7) Trichlorofluoromethane	3.056	101	285995	50.494	ug/l	97
8) Diethyl Ether	3.452	74	69314	47.018	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	147782	48.098	ug/l	99
10) Methyl Iodide	4.007	142	190319	53.500	ug/l	98
11) Tert butyl alcohol	4.885	59	32414	221.882	ug/l	99
12) 1,1-Dichloroethene	3.787	96	141507	49.411	ug/l	98
13) Acrolein	3.653	56	50931	194.247	ug/l	98
14) Allyl chloride	4.385	41	168487	50.526	ug/l	99
15) Acrylonitrile	5.061	53	132603	245.701	ug/l	99
16) Acetone	3.879	43	86841	249.262	ug/l	95
17) Carbon Disulfide	4.104	76	458583	50.220	ug/l	98
18) Methyl Acetate	4.385	43	65575	52.755	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	322060	50.244	ug/l	100
20) Methylene Chloride	4.610	84	157768	46.888	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	165014	51.449	ug/l	94
22) Diisopropyl ether	6.018	45	393791	53.065	ug/l	98
23) Vinyl Acetate	5.958	43	1022452	255.651	ug/l	100
24) 1,1-Dichloroethane	5.915	63	261887	50.912	ug/l	98
25) 2-Butanone	6.902	43	143885	237.214	ug/l	97
26) 2,2-Dichloropropane	6.890	77	225043	49.916	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	185037	51.595	ug/l	99
28) Bromochloromethane	7.244	49	104039	52.072	ug/l	99
29) Tetrahydrofuran	7.262	42	97869	248.429	ug/l	98
30) Chloroform	7.421	83	293608	51.458	ug/l	97
31) Cyclohexane	7.701	56	215776	49.053	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	259651	50.300	ug/l	100
36) 1,1-Dichloropropene	7.835	75	203377	51.650	ug/l	100
37) Ethyl Acetate	6.988	43	70076	49.552	ug/l	99
38) Carbon Tetrachloride	7.817	117	239204	50.839	ug/l	98
39) Methylcyclohexane	9.109	83	254583	51.377	ug/l	96
40) Benzene	8.079	78	647471	52.603	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	33433	43.247	ug/l #	79
42) 1,2-Dichloroethane	8.158	62	157834	51.792	ug/l	99
43) Isopropyl Acetate	8.195	43	135982	50.070	ug/l	99
44) Trichloroethene	8.866	130	172518	50.602	ug/l	99
45) 1,2-Dichloropropane	9.140	63	141705	52.059	ug/l	99
46) Dibromomethane	9.231	93	87699	51.468	ug/l	100
47) Bromodichloromethane	9.420	83	226723	53.262	ug/l	100
48) Methyl methacrylate	9.219	41	62767	49.994	ug/l	95
49) 1,4-Dioxane	9.237	88	18235	1004.054	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	368845	259.080	ug/l	100
52) Toluene	10.170	92	432768	54.316	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	193270	52.933	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	227522	52.421	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	119653	52.570	ug/l	99
56) Ethyl methacrylate	10.438	69	138649	53.268	ug/l	99
57) 1,3-Dichloropropane	10.719	76	190863	52.307	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	357109	280.610	ug/l	99
59) 2-Hexanone	10.762	43	246044	262.019	ug/l	99
60) Dibromochloromethane	10.908	129	165836	52.626	ug/l	99
61) 1,2-Dibromoethane	11.011	107	112440	52.328	ug/l	99
64) Tetrachloroethene	10.646	164	198489	49.850	ug/l	98
65) Chlorobenzene	11.438	112	477643	50.605	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	172328	51.860	ug/l	100
67) Ethyl Benzene	11.518	91	811261	52.542	ug/l	100
68) m/p-Xylenes	11.627	106	656589	106.866	ug/l	100
69) o-Xylene	11.956	106	301060	53.164	ug/l	100
70) Styrene	11.969	104	517422	54.419	ug/l	99
71) Bromoform	12.133	173	97214	50.319	ug/l #	99
73) Isopropylbenzene	12.255	105	787680	51.210	ug/l	100
74) N-amyl acetate	12.072	43	125428	47.463	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	122396	47.198	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	89894m	45.586	ug/l	
77) Bromobenzene	12.530	156	194457	50.032	ug/l	99
78) n-propylbenzene	12.597	91	937658	51.190	ug/l	100
79) 2-Chlorotoluene	12.682	91	541409	50.824	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	650635	51.339	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	38521	47.042	ug/l	99
82) 4-Chlorotoluene	12.779	91	562953	50.837	ug/l	100
83) tert-Butylbenzene	12.999	119	580389	51.063	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	659154	51.999	ug/l	100
85) sec-Butylbenzene	13.176	105	844537	50.778	ug/l	100
86) p-Isopropyltoluene	13.292	119	722832	51.181	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	390344	49.449	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	380313	48.646	ug/l	99
89) n-Butylbenzene	13.615	91	627547	49.712	ug/l	100
90) Hexachloroethane	13.877	117	150133	48.384	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	339446	49.302	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	18798	45.563	ug/l	92
93) 1,2,4-Trichlorobenzene	14.919	180	184715	47.344	ug/l	99
94) Hexachlorobutadiene	15.023	225	109994	45.822	ug/l	100
95) Naphthalene	15.145	128	310135	47.852	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	160134	47.548	ug/l	100

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

