

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042525\
 Data File : VY021997.D
 Acq On : 25 Apr 2025 09:30
 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 : Semsettin Yesilyurt 04/28/2025
 Supervised By : Mahesh Dadoda 04/28/2025

Quant Time: Apr 25 22:53:56 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	303022	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	442556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	415385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	220095	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137315	49.059	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.120%		
35) Dibromofluoromethane	7.634	113	158351	54.160	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	108.320%		
50) Toluene-d8	10.109	98	616856	55.963	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	111.920%		
62) 4-Bromofluorobenzene	12.408	95	200929	54.149	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	108.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	122789	47.555	ug/l	97
3) Chloromethane	2.068	50	182837	49.730	ug/l	100
4) Vinyl Chloride	2.202	62	222259	49.195	ug/l	99
5) Bromomethane	2.599	94	175281	45.031	ug/l	100
6) Chloroethane	2.739	64	151863	49.355	ug/l	98
7) Trichlorofluoromethane	3.056	101	285751	47.964	ug/l	98
8) Diethyl Ether	3.458	74	69361	44.731	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	158136	48.931	ug/l	99
10) Methyl Iodide	4.007	142	194554	51.995	ug/l	98
11) Tert butyl alcohol	4.872	59	31248	203.357	ug/l	98
12) 1,1-Dichloroethene	3.793	96	146276	48.558	ug/l	97
13) Acrolein	3.653	56	43344	157.162	ug/l	97
14) Allyl chloride	4.385	41	170395	48.579	ug/l	100
15) Acrylonitrile	5.055	53	130143	229.257	ug/l	99
16) Acetone	3.873	43	88569	240.982	ug/l	95
17) Carbon Disulfide	4.104	76	479465	49.919	ug/l	100
18) Methyl Acetate	4.385	43	66006	50.484	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	322274	47.799	ug/l	98
20) Methylene Chloride	4.623	84	161397	45.602	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	170673	50.590	ug/l	95
22) Diisopropyl ether	6.019	45	397129	50.877	ug/l	98
23) Vinyl Acetate	5.958	43	1019214	242.280	ug/l	99
24) 1,1-Dichloroethane	5.915	63	268298	49.588	ug/l	97
25) 2-Butanone	6.897	43	143084	224.266	ug/l	100
26) 2,2-Dichloropropane	6.884	77	240133	50.637	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	189895	50.340	ug/l	99
28) Bromochloromethane	7.244	49	104518	49.733	ug/l	100
29) Tetrahydrofuran	7.262	42	94730	228.609	ug/l	97
30) Chloroform	7.421	83	304007	50.655	ug/l	99
31) Cyclohexane	7.701	56	229626	49.629	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	271988	50.093	ug/l	99
36) 1,1-Dichloropropene	7.835	75	213431	54.344	ug/l	100
37) Ethyl Acetate	6.982	43	66071	46.841	ug/l	97
38) Carbon Tetrachloride	7.817	117	254839	54.302	ug/l	98
39) Methylcyclohexane	9.110	83	272043	55.043	ug/l	95
40) Benzene	8.079	78	663415	54.038	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	38831	50.360	ug/l	98
42) 1,2-Dichloroethane	8.159	62	159989	52.635	ug/l	99
43) Isopropyl Acetate	8.195	43	130411	48.143	ug/l #	84
44) Trichloroethene	8.866	130	178848	52.595	ug/l	96
45) 1,2-Dichloropropane	9.140	63	145158	53.466	ug/l	97
46) Dibromomethane	9.231	93	88591	52.126	ug/l	99
47) Bromodichloromethane	9.427	83	229061	53.951	ug/l	99
48) Methyl methacrylate	9.219	41	64952	51.869	ug/l	98
49) 1,4-Dioxane	9.238	88	17644	974.032	ug/l	97
51) 4-Methyl-2-Pentanone	10.000	43	364345	256.583	ug/l	98
52) Toluene	10.170	92	444018	55.873	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	192200	52.777	ug/l	94
54) cis-1,3-Dichloropropene	9.859	75	231869	53.562	ug/l	95
55) 1,1,2-Trichloroethane	10.573	97	119556	52.663	ug/l	98
56) Ethyl methacrylate	10.439	69	134401	51.770	ug/l	98
57) 1,3-Dichloropropane	10.719	76	194103	53.333	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	316684	249.490	ug/l	100
59) 2-Hexanone	10.762	43	236842	252.874	ug/l	99
60) Dibromochloromethane	10.914	129	170598	54.278	ug/l	100
61) 1,2-Dibromoethane	11.018	107	113583	52.997	ug/l	97
64) Tetrachloroethene	10.646	164	206617	52.727	ug/l	98
65) Chlorobenzene	11.444	112	490859	52.843	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	175165	53.563	ug/l	99
67) Ethyl Benzene	11.518	91	832608	54.793	ug/l	99
68) m/p-Xylenes	11.627	106	681459	112.701	ug/l	98
69) o-Xylene	11.957	106	310464	55.708	ug/l	98
70) Styrene	11.969	104	524424	56.044	ug/l	100
71) Bromoform	12.133	173	97472	51.266	ug/l #	100
73) Isopropylbenzene	12.255	105	806422	54.841	ug/l	100
74) N-amyl acetate	12.072	43	119079	47.134	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	123823	49.946	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	94505m	50.129	ug/l	
77) Bromobenzene	12.536	156	199458	53.680	ug/l	98
78) n-propylbenzene	12.597	91	968332	55.297	ug/l	99
79) 2-Chlorotoluene	12.682	91	549791	53.985	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	673491	55.588	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	37517	47.924	ug/l	98
82) 4-Chlorotoluene	12.780	91	580042	54.790	ug/l	100
83) tert-Butylbenzene	12.999	119	590394	54.334	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	674428	55.652	ug/l	100
85) sec-Butylbenzene	13.176	105	877517	55.188	ug/l	99
86) p-Isopropyltoluene	13.292	119	751875	55.687	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	397270	52.642	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	389303	52.087	ug/l	98
89) n-Butylbenzene	13.621	91	657354	54.469	ug/l	99
90) Hexachloroethane	13.883	117	155415	52.390	ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	345873	52.547	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	18049	45.760	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	190900	51.181	ug/l	99
94) Hexachlorobutadiene	15.023	225	117823	51.342	ug/l	99
95) Naphthalene	15.145	128	301286	48.626	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	161458	50.147	ug/l	99

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

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