

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022070.D
 Acq On : 30 Apr 2025 09:20
 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 05/05/2025
 Supervised By : Mahesh Dadoda 05/05/2025

Quant Time: May 01 01:30:33 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	299393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	438020	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	420486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	233640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132181	47.797	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.600%		
35) Dibromofluoromethane	7.634	113	147788	51.071	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.140%		
50) Toluene-d8	10.103	98	559683	51.302	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.600%		
62) 4-Bromofluorobenzene	12.408	95	190816	51.957	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	103.920%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	108081	42.366	ug/l	99
3) Chloromethane	2.068	50	178783	49.217	ug/l	100
4) Vinyl Chloride	2.202	62	216428	48.485	ug/l	100
5) Bromomethane	2.592	94	187814	48.836	ug/l	98
6) Chloroethane	2.733	64	150261	49.426	ug/l	97
7) Trichlorofluoromethane	3.056	101	283309	48.131	ug/l	96
8) Diethyl Ether	3.452	74	69416	45.309	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	148356	46.461	ug/l	100
10) Methyl Iodide	4.001	142	176157	47.649	ug/l	98
11) Tert butyl alcohol	4.885	59	35315	232.610	ug/l	97
12) 1,1-Dichloroethene	3.787	96	137386	46.160	ug/l	98
13) Acrolein	3.659	56	54699	200.739	ug/l	98
14) Allyl chloride	4.385	41	156917	45.279	ug/l	100
15) Acrylonitrile	5.061	53	135947	242.384	ug/l	99
16) Acetone	3.885	43	90641	250.445	ug/l	92
17) Carbon Disulfide	4.104	76	432123	45.535	ug/l	99
18) Methyl Acetate	4.385	43	76934	59.556	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	327980	49.235	ug/l	97
20) Methylene Chloride	4.610	84	155331	44.420	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	157441	47.234	ug/l	97
22) Diisopropyl ether	6.019	45	377603	48.962	ug/l	98
23) Vinyl Acetate	5.964	43	1003286	241.385	ug/l	100
24) 1,1-Dichloroethane	5.909	63	252882	47.305	ug/l	98
25) 2-Butanone	6.896	43	153361	243.287	ug/l	98
26) 2,2-Dichloropropane	6.878	77	225811	48.194	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	179708	48.217	ug/l	100
28) Bromochloromethane	7.244	49	102944	49.578	ug/l	96
29) Tetrahydrofuran	7.262	42	103696	253.279	ug/l	97
30) Chloroform	7.421	83	293401	49.480	ug/l	98
31) Cyclohexane	7.701	56	208408	45.589	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	259359	48.346	ug/l	99
36) 1,1-Dichloropropene	7.835	75	196371	50.518	ug/l	99
37) Ethyl Acetate	6.988	43	71080	50.914	ug/l	96
38) Carbon Tetrachloride	7.817	117	237962	51.231	ug/l	95
39) Methylcyclohexane	9.109	83	243490	49.776	ug/l	97
40) Benzene	8.079	78	627597	51.650	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	40144	52.602	ug/l #	94
42) 1,2-Dichloroethane	8.158	62	157308	52.289	ug/l	100
43) Isopropyl Acetate	8.195	43	135943	50.705	ug/l	99
44) Trichloroethene	8.866	130	168626	50.102	ug/l	97
45) 1,2-Dichloropropane	9.140	63	140483	52.280	ug/l	98
46) Dibromomethane	9.231	93	90199	53.622	ug/l	99
47) Bromodichloromethane	9.420	83	222511	52.951	ug/l	100
48) Methyl methacrylate	9.219	41	67571	54.519	ug/l	97
49) 1,4-Dioxane	9.244	88	20304	1132.484	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	396361	282.021	ug/l	99
52) Toluene	10.170	92	413392	52.558	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	190828	52.943	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	225382	52.602	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	121699	54.162	ug/l	99
56) Ethyl methacrylate	10.438	69	140972	54.864	ug/l	99
57) 1,3-Dichloropropane	10.713	76	191332	53.116	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	357006	284.170	ug/l	99
59) 2-Hexanone	10.762	43	264777	285.628	ug/l	99
60) Dibromochloromethane	10.908	129	172741	55.529	ug/l	99
61) 1,2-Dibromoethane	11.012	107	116385	54.866	ug/l	99
64) Tetrachloroethene	10.646	164	178447	44.986	ug/l	98
65) Chlorobenzene	11.438	112	473007	50.303	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	171474	51.798	ug/l	99
67) Ethyl Benzene	11.518	91	783192	50.916	ug/l	100
68) m/p-Xylenes	11.627	106	644255	105.256	ug/l	98
69) o-Xylene	11.956	106	295659	52.408	ug/l	99
70) Styrene	11.969	104	510156	53.858	ug/l	100
71) Bromoform	12.133	173	103171	53.605	ug/l #	99
73) Isopropylbenzene	12.255	105	762153	48.826	ug/l	99
74) N-amyl acetate	12.072	43	124788	46.530	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	136259	51.775	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	98186m	49.063	ug/l	
77) Bromobenzene	12.530	156	194904	49.414	ug/l	99
78) n-propylbenzene	12.597	91	918969	49.435	ug/l	99
79) 2-Chlorotoluene	12.682	91	527372	48.782	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	649159	50.473	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	41416	49.837	ug/l	99
82) 4-Chlorotoluene	12.780	91	555914	49.467	ug/l	99
83) tert-Butylbenzene	12.999	119	583678	50.602	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	662815	51.523	ug/l	100
85) sec-Butylbenzene	13.176	105	836912	49.583	ug/l	99
86) p-Isopropyltoluene	13.292	119	721392	50.332	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	400335	49.973	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	389223	49.057	ug/l	99
89) n-Butylbenzene	13.615	91	631593	49.300	ug/l	99
90) Hexachloroethane	13.883	117	153517	48.750	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	350321	50.137	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19842	47.389	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	199131	50.292	ug/l	99
94) Hexachlorobutadiene	15.023	225	119697	49.134	ug/l	99
95) Naphthalene	15.145	128	340679	51.796	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	175304	51.291	ug/l	98

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

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