

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022277.D
 Acq On : 16 May 2025 08:24
 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 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025

Quant Time: May 17 01:26:32 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	212993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	356583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	305829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144477	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	117567	50.505	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.020%	
35) Dibromofluoromethane	7.634	113	109661	51.525	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.060%	
50) Toluene-d8	10.109	98	450916	51.731	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.460%	
62) 4-Bromofluorobenzene	12.407	95	138475	50.120	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.240%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	110954	49.923	ug/l	99
3) Chloromethane	2.068	50	227201	48.598	ug/l	99
4) Vinyl Chloride	2.202	62	286097	54.773	ug/l	96
5) Bromomethane	2.598	94	228058	53.635	ug/l	99
6) Chloroethane	2.738	64	188872	58.123	ug/l	95
7) Trichlorofluoromethane	3.055	101	278547	52.672	ug/l	100
8) Diethyl Ether	3.452	74	65966	51.977	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	121276	52.824	ug/l	100
10) Methyl Iodide	4.007	142	149113	56.117	ug/l	99
11) Tert butyl alcohol	4.872	59	42970	241.730	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	121321	53.251	ug/l	99
13) Acrolein	3.653	56	53247	204.899	ug/l	99
14) Allyl chloride	4.384	41	204941	51.302	ug/l	96
15) Acrylonitrile	5.061	53	135814	259.711	ug/l	98
16) Acetone	3.872	43	109507	250.886	ug/l	100
17) Carbon Disulfide	4.104	76	394070	53.042	ug/l	99
18) Methyl Acetate	4.384	43	69106	50.215	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	328680	52.321	ug/l	97
20) Methylene Chloride	4.616	84	134377	47.645	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	133277	52.998	ug/l	98
22) Diisopropyl ether	6.018	45	437077	51.810	ug/l	100
23) Vinyl Acetate	5.957	43	1279898	251.128	ug/l	100
24) 1,1-Dichloroethane	5.915	63	249652	52.970	ug/l	99
25) 2-Butanone	6.896	43	177141	242.624	ug/l	100
26) 2,2-Dichloropropane	6.884	77	227980	54.384	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	156977	54.093	ug/l	99
28) Bromochloromethane	7.244	49	103785	51.625	ug/l	99
29) Tetrahydrofuran	7.262	42	115748	246.422	ug/l	96
30) Chloroform	7.421	83	247345	54.713	ug/l	94
31) Cyclohexane	7.701	56	232896	49.457	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	221082	53.304	ug/l	99
36) 1,1-Dichloropropene	7.835	75	183482	52.341	ug/l	98
37) Ethyl Acetate	6.982	43	82168	48.715	ug/l	98
38) Carbon Tetrachloride	7.817	117	191365	52.737	ug/l	97
39) Methylcyclohexane	9.109	83	242532	51.496	ug/l	100
40) Benzene	8.079	78	558801	53.771	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	50033	44.718	ug/l #	91
42) 1,2-Dichloroethane	8.158	62	148582	52.870	ug/l	100
43) Isopropyl Acetate	8.195	43	182651	49.654	ug/l #	88
44) Trichloroethene	8.865	130	135760	52.539	ug/l	98
45) 1,2-Dichloropropane	9.140	63	132126	52.735	ug/l	97
46) Dibromomethane	9.231	93	70093	51.869	ug/l	99
47) Bromodichloromethane	9.426	83	189903	54.169	ug/l	98
48) Methyl methacrylate	9.219	41	85212	49.534	ug/l	98
49) 1,4-Dioxane	9.231	88	15293	1001.752	ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	446509	247.383	ug/l	98
52) Toluene	10.170	92	350043	53.192	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	178121	52.062	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	209477	53.441	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	90613	52.364	ug/l	96
56) Ethyl methacrylate	10.438	69	136463	50.626	ug/l	98
57) 1,3-Dichloropropane	10.719	76	161520	52.534	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	319368	263.967	ug/l	99
59) 2-Hexanone	10.761	43	294366	243.243	ug/l	98
60) Dibromochloromethane	10.914	129	120550	53.672	ug/l	99
61) 1,2-Dibromoethane	11.017	107	84972	52.685	ug/l	99
64) Tetrachloroethene	10.646	164	145990	51.645	ug/l	97
65) Chlorobenzene	11.444	112	367007	53.191	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	125569	52.937	ug/l	100
67) Ethyl Benzene	11.517	91	683403	52.887	ug/l	99
68) m/p-Xylenes	11.627	106	518397	106.465	ug/l	100
69) o-Xylene	11.956	106	246010	53.401	ug/l	98
70) Styrene	11.968	104	414482	53.337	ug/l	99
71) Bromoform	12.133	173	65518	51.173	ug/l #	98
73) Isopropylbenzene	12.255	105	638419	53.338	ug/l	100
74) N-amyl acetate	12.072	43	170468	49.797	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	93984	51.057	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	78033m	53.312	ug/l	
77) Bromobenzene	12.535	156	134547	52.632	ug/l	99
78) n-propylbenzene	12.596	91	773886	53.604	ug/l	100
79) 2-Chlorotoluene	12.682	91	422629	53.269	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	512810	53.075	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	34394	47.601	ug/l	97
82) 4-Chlorotoluene	12.779	91	434539	53.249	ug/l	100
83) tert-Butylbenzene	12.999	119	453991	52.865	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	515364	53.733	ug/l	100
85) sec-Butylbenzene	13.176	105	682585	53.545	ug/l	100
86) p-Isopropyltoluene	13.291	119	573661	53.506	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	277562	53.186	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	263812	52.554	ug/l	99
89) n-Butylbenzene	13.621	91	551378	54.360	ug/l	100
90) Hexachloroethane	13.883	117	115221	53.238	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	230646	52.616	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15069	50.767	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	134157	52.983	ug/l	99
94) Hexachlorobutadiene	15.023	225	74411	52.696	ug/l	100
95) Naphthalene	15.145	128	243439	50.663	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	111008	51.679	ug/l	99

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

