

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022614.D
 Acq On : 09 Jun 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 06/10/2025
 Supervised By :Semsettin Yesilyurt 06/10/2025

Quant Time: Jun 10 01:22:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	192004	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	317102	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	273057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	127605	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	107801	50.199	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.400%			
35) Dibromofluoromethane	7.640	113	102594	54.205	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.400%			
50) Toluene-d8	10.109	98	405143	52.975	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.960%			
62) 4-Bromofluorobenzene	12.408	95	119261	52.338	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	80367	46.752	ug/l	96
3) Chloromethane	2.074	50	216133	42.559	ug/l	99
4) Vinyl Chloride	2.208	62	299140	50.776	ug/l	99
5) Bromomethane	2.599	94	232353	41.149	ug/l	100
6) Chloroethane	2.739	64	211515	52.307	ug/l	95
7) Trichlorofluoromethane	3.056	101	259224	51.831	ug/l	100
8) Diethyl Ether	3.464	74	54460	48.352	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.824	101	104872	49.787	ug/l	99
10) Methyl Iodide	4.007	142	115170	50.524	ug/l	100
11) Tert butyl alcohol	4.872	59	36319	236.793	ug/l #	89
12) 1,1-Dichloroethene	3.793	96	103160	51.235	ug/l	99
13) Acrolein	3.659	56	24470	128.015	ug/l	99
14) Allyl chloride	4.385	41	161987	51.247	ug/l	99
15) Acrylonitrile	5.068	53	116333	243.878	ug/l	99
16) Acetone	3.879	43	110108	252.473	ug/l	97
17) Carbon Disulfide	4.110	76	322287	49.996	ug/l	100
18) Methyl Acetate	4.391	43	68960	53.397	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	277029	48.849	ug/l	100
20) Methylene Chloride	4.623	84	117891	47.588	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	115138	51.093	ug/l	100
22) Diisopropyl ether	6.025	45	361543	51.386	ug/l	98
23) Vinyl Acetate	5.964	43	1009520	242.421	ug/l	100
24) 1,1-Dichloroethane	5.921	63	218150	52.631	ug/l	99
25) 2-Butanone	6.903	43	155865	247.769	ug/l	100
26) 2,2-Dichloropropane	6.890	77	198560	54.218	ug/l	99
27) cis-1,2-Dichloroethene	6.897	96	135163	51.892	ug/l	98
28) Bromochloromethane	7.250	49	95513	52.863	ug/l	98
29) Tetrahydrofuran	7.268	42	95909	236.384	ug/l	99
30) Chloroform	7.427	83	218572	53.239	ug/l	98
31) Cyclohexane	7.707	56	195355	47.342	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	194750	53.437	ug/l	100
36) 1,1-Dichloropropene	7.841	75	164819	53.654	ug/l	99
37) Ethyl Acetate	6.988	43	64955	47.415	ug/l	98
38) Carbon Tetrachloride	7.823	117	168181	53.369	ug/l	98
39) Methylcyclohexane	9.110	83	207731	50.321	ug/l	98
40) Benzene	8.085	78	490349	54.044	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	34435m	43.034	ug/l	
42) 1,2-Dichloroethane	8.165	62	129561	52.298	ug/l	99
43) Isopropyl Acetate	8.201	43	142739	48.245	ug/l #	86
44) Trichloroethene	8.872	130	120223	54.216	ug/l	94
45) 1,2-Dichloropropane	9.146	63	115823	54.015	ug/l	97
46) Dibromomethane	9.238	93	62475	51.789	ug/l	98
47) Bromodichloromethane	9.427	83	163155	53.339	ug/l	98
48) Methyl methacrylate	9.225	41	70320	50.642	ug/l	99
49) 1,4-Dioxane	9.231	88	13695	958.258	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	365010	247.451	ug/l	98
52) Toluene	10.176	92	305239	53.534	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	152835	53.326	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	178515	53.508	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	79180	51.474	ug/l	96
56) Ethyl methacrylate	10.445	69	107539	48.370	ug/l	98
57) 1,3-Dichloropropane	10.719	76	139710	51.244	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	267744	265.249	ug/l	98
59) 2-Hexanone	10.762	43	244460	247.800	ug/l	100
60) Dibromochloromethane	10.914	129	101373	51.858	ug/l	99
61) 1,2-Dibromoethane	11.018	107	73191	52.204	ug/l	95
64) Tetrachloroethene	10.652	164	127365	54.224	ug/l	97
65) Chlorobenzene	11.444	112	313763	51.927	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	107461	52.793	ug/l	100
67) Ethyl Benzene	11.524	91	599083	53.455	ug/l	99
68) m/p-Xylenes	11.633	106	447519	105.334	ug/l	100
69) o-Xylene	11.957	106	209480	52.589	ug/l	100
70) Styrene	11.975	104	348840	52.980	ug/l	99
71) Bromoform	12.133	173	54375	50.199	ug/l #	99
73) Isopropylbenzene	12.255	105	547490	52.260	ug/l	99
74) N-amyl acetate	12.072	43	127108	48.085	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	84210	48.975	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	70644m	48.391	ug/l	
77) Bromobenzene	12.536	156	113142	51.178	ug/l	98
78) n-propylbenzene	12.597	91	668237	52.223	ug/l	99
79) 2-Chlorotoluene	12.682	91	352593	51.991	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	433004	52.646	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	30749	50.866	ug/l	95
82) 4-Chlorotoluene	12.780	91	361533	51.676	ug/l	99
83) tert-Butylbenzene	12.999	119	383692	51.977	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	429366	52.195	ug/l	100
85) sec-Butylbenzene	13.176	105	593762	52.519	ug/l	100
86) p-Isopropyltoluene	13.292	119	483951	51.931	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	232694	51.950	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	225139	51.822	ug/l	99
89) n-Butylbenzene	13.621	91	468446	52.982	ug/l	100
90) Hexachloroethane	13.883	117	94917	52.317	ug/l	99
91) 1,2-Dichlorobenzene	13.664	146	196386	51.640	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	12606	50.356	ug/l	97
93) 1,2,4-Trichlorobenzene	14.926	180	106457	51.326	ug/l	97
94) Hexachlorobutadiene	15.023	225	58632	51.217	ug/l	97
95) Naphthalene	15.145	128	192950	48.476	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	87173	49.041	ug/l	98

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

