

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110325\
 Data File : VY023659.D
 Acq On : 03 Nov 2025 15:43
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/04/2025
 Supervised By : Mahesh Dadoda 11/04/2025

Quant Time: Nov 04 01:34:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	481280	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	712114	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	624477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	328629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	187711	46.642	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.280%
35) Dibromofluoromethane	7.640	113	225841	51.614	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.220%
50) Toluene-d8	10.109	98	821787	50.431	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.860%
62) 4-Bromofluorobenzene	12.408	95	275184	51.151	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	133892	38.650	ug/l	95
3) Chloromethane	2.074	50	184571	39.111	ug/l	100
4) Vinyl Chloride	2.208	62	255693	41.599	ug/l	99
5) Bromomethane	2.599	94	216809	42.032	ug/l	95
6) Chloroethane	2.739	64	190040	45.357	ug/l	99
7) Trichlorofluoromethane	3.062	101	378770	44.381	ug/l	96
8) Diethyl Ether	3.458	74	108611	48.702	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.824	101	214426	48.417	ug/l	99
10) Methyl Iodide	4.007	142	271813	55.131	ug/l	99
11) Tert butyl alcohol	4.860	59	61502	205.416	ug/l	99
12) 1,1-Dichloroethene	3.793	96	207491	48.331	ug/l	97
13) Acrolein	3.659	56	15201	35.931	ug/l	99
14) Allyl chloride	4.391	41	253966	48.540	ug/l	98
15) Acrylonitrile	5.061	53	207806	243.490	ug/l	99
16) Acetone	3.873	43	210102	219.287	ug/l	98
17) Carbon Disulfide	4.110	76	521314	42.427	ug/l	100
18) Methyl Acetate	4.391	43	142483	56.691	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	538046	52.145	ug/l	97
20) Methylene Chloride	4.623	84	237295	45.802	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	236637	50.065	ug/l	97
22) Diisopropyl ether	6.025	45	594888	51.402	ug/l	98
23) Vinyl Acetate	5.964	43	1460913	233.210	ug/l	97
24) 1,1-Dichloroethane	5.921	63	393912	51.383	ug/l	98
25) 2-Butanone	6.897	43	263059	224.893	ug/l	99
26) 2,2-Dichloropropane	6.890	77	367877	52.296	ug/l	99
27) cis-1,2-Dichloroethene	6.897	96	290818	53.265	ug/l	97
28) Bromochloromethane	7.244	49	128435	44.877	ug/l	96
29) Tetrahydrofuran	7.262	42	153156	230.898	ug/l	95
30) Chloroform	7.427	83	446617	53.024	ug/l	99
31) Cyclohexane	7.707	56	300940	44.951	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	397320	51.907	ug/l	99
36) 1,1-Dichloropropene	7.835	75	289816	50.030	ug/l	100
37) Ethyl Acetate	6.988	43	105186	45.833	ug/l	97
38) Carbon Tetrachloride	7.823	117	353234	50.289	ug/l	100
39) Methylcyclohexane	9.110	83	372146	49.341	ug/l	99
40) Benzene	8.085	78	951367	51.858	ug/l	100

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41) Methacrylonitrile	7.226	41	59631	48.043	ug/l	98
42) 1,2-Dichloroethane	8.159	62	231037	48.832	ug/l	98
43) Isopropyl Acetate	8.201	43	214800	46.939	ug/l #	84
44) Trichloroethene	8.866	130	276311	51.459	ug/l	99
45) 1,2-Dichloropropane	9.146	63	211356	52.160	ug/l	99
46) Dibromomethane	9.231	93	131092	51.163	ug/l	96
47) Bromodichloromethane	9.427	83	339620	52.629	ug/l	97
48) Methyl methacrylate	9.219	41	101062	47.009	ug/l	92
49) 1,4-Dioxane	9.231	88	28270	951.616	ug/l	97
51) 4-Methyl-2-Pentanone	10.000	43	583519	246.797	ug/l	98
52) Toluene	10.170	92	631905	53.050	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	290808	51.827	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	345152	52.119	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	180752	52.459	ug/l	96
56) Ethyl methacrylate	10.439	69	212457	53.455	ug/l	94
57) 1,3-Dichloropropane	10.719	76	285638	52.316	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	491016	275.777	ug/l	99
59) 2-Hexanone	10.762	43	401355	237.533	ug/l	98
60) Dibromochloromethane	10.914	129	252191	52.205	ug/l	99
61) 1,2-Dibromoethane	11.018	107	169668	51.633	ug/l	99
64) Tetrachloroethene	10.646	164	341414	52.949	ug/l	98
65) Chlorobenzene	11.445	112	711711	52.401	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	258876	53.486	ug/l	100
67) Ethyl Benzene	11.518	91	1181460	53.739	ug/l	98
68) m/p-Xylenes	11.627	106	945277	107.196	ug/l	100
69) o-Xylene	11.957	106	450633	54.482	ug/l	99
70) Styrene	11.969	104	743005	54.626	ug/l	99
71) Bromoform	12.133	173	155945	51.943	ug/l #	99
73) Isopropylbenzene	12.255	105	1167488	53.908	ug/l	100
74) N-amyl acetate	12.066	43	180898	46.504	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	173044	48.853	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	129501m	44.665	ug/l	
77) Bromobenzene	12.530	156	296289	51.461	ug/l	97
78) n-propylbenzene	12.597	91	1330295	53.081	ug/l	99
79) 2-Chlorotoluene	12.676	91	769727	52.448	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	942249	53.841	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	58459	49.442	ug/l	96
82) 4-Chlorotoluene	12.774	91	788016	52.136	ug/l	99
83) tert-Butylbenzene	12.993	119	877658	54.316	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	932958	53.417	ug/l	99
85) sec-Butylbenzene	13.176	105	1243852	53.663	ug/l	100
86) p-Isopropyltoluene	13.292	119	1056852	53.552	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	566455	50.523	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	551124	49.771	ug/l	99
89) n-Butylbenzene	13.615	91	911115	52.985	ug/l	99
90) Hexachloroethane	13.877	117	215553	50.782	ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	496534	50.514	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	26725	45.982	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	293456	47.888	ug/l	99
94) Hexachlorobutadiene	15.023	225	184134	48.203	ug/l	99
95) Naphthalene	15.145	128	459949	47.135	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	246956	46.526	ug/l	99

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

