

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
 Data File : VY023321.D
 Acq On : 10 Sep 2025 09:09
 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 09/11/2025
 Supervised By :Semsettin Yesilyurt 09/11/2025

Quant Time: Sep 11 03:45:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	519574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	748186	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	662487	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	341214	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	221718	48.563	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.120%
35) Dibromofluoromethane	7.634	113	235795	51.558	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.120%
50) Toluene-d8	10.109	98	911219	52.765	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.520%
62) 4-Bromofluorobenzene	12.407	95	290407	53.436	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.880%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.866	85	189632	45.493	ug/l	99
3) Chloromethane	2.074	50	291807	48.922	ug/l	99
4) Vinyl Chloride	2.208	62	369270	49.142	ug/l	99
5) Bromomethane	2.598	94	282699	46.075	ug/l	97
6) Chloroethane	2.738	64	253161	49.784	ug/l	97
7) Trichlorofluoromethane	3.061	101	471485	49.712	ug/l	99
8) Diethyl Ether	3.458	74	119712	47.703	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.817	101	250549	49.122	ug/l	96
10) Methyl Iodide	4.006	142	298490	50.167	ug/l	99
11) Tert butyl alcohol	4.854	59	61158	231.830	ug/l	100
12) 1,1-Dichloroethene	3.793	96	239212	48.753	ug/l	92
13) Acrolein	3.653	56	91223	204.542	ug/l	100
14) Allyl chloride	4.390	41	300442	48.472	ug/l	98
15) Acrylonitrile	5.061	53	235143	238.021	ug/l	100
16) Acetone	3.872	43	299136	287.642	ug/l	100
17) Carbon Disulfide	4.110	76	758952	48.856	ug/l	99
18) Methyl Acetate	4.390	43	119534	46.857	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	561527	48.672	ug/l	98
20) Methylene Chloride	4.622	84	279598	50.252	ug/l	92
21) trans-1,2-Dichloroethene	5.116	96	272318	49.672	ug/l	97
22) Diisopropyl ether	6.018	45	687383	49.796	ug/l	95
23) Vinyl Acetate	5.963	43	1894133	248.208	ug/l	98
24) 1,1-Dichloroethane	5.921	63	443737	49.148	ug/l	98
25) 2-Butanone	6.896	43	333198	260.320	ug/l	95
26) 2,2-Dichloropropane	6.890	77	397490	49.861	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	308636	49.714	ug/l	94
28) Bromochloromethane	7.243	49	173875	48.943	ug/l	89
29) Tetrahydrofuran	7.268	42	182209	240.002	ug/l	95
30) Chloroform	7.420	83	475647	49.031	ug/l	99
31) Cyclohexane	7.707	56	382505	47.876	ug/l	96
32) 1,1,1-Trichloroethane	7.621	97	431761	49.816	ug/l	98
36) 1,1-Dichloropropene	7.835	75	341954	52.497	ug/l	98
37) Ethyl Acetate	6.987	43	132361	51.081	ug/l	99
38) Carbon Tetrachloride	7.823	117	393467	52.496	ug/l	99
39) Methylcyclohexane	9.109	83	448964	53.877	ug/l	96
40) Benzene	8.085	78	1055477	52.131	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	61006	45.464	ug/l #	79
42) 1,2-Dichloroethane	8.158	62	263395	51.097	ug/l	99
43) Isopropyl Acetate	8.201	43	249229	49.452	ug/l	95
44) Trichloroethene	8.865	130	293515	52.047	ug/l	98
45) 1,2-Dichloropropane	9.139	63	234770	51.343	ug/l	99
46) Dibromomethane	9.231	93	143741	51.618	ug/l	97
47) Bromodichloromethane	9.426	83	360519	51.462	ug/l	99
48) Methyl methacrylate	9.225	41	124448	52.977	ug/l	96
49) 1,4-Dioxane	9.231	88	27611	976.782	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	669479	259.653	ug/l	97
52) Toluene	10.170	92	692820	53.921	ug/l	100
53) t-1,3-Dichloropropene	10.395	75	311728	51.683	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	373238	51.787	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	189504	51.159	ug/l	98
56) Ethyl methacrylate	10.438	69	227437	52.997	ug/l	95
57) 1,3-Dichloropropane	10.718	76	309542	51.474	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	515375	275.537	ug/l	95
59) 2-Hexanone	10.761	43	492364	276.233	ug/l	97
60) Dibromochloromethane	10.914	129	263951	52.518	ug/l	99
61) 1,2-Dibromoethane	11.017	107	179822	51.806	ug/l	100
64) Tetrachloroethene	10.645	164	356384	53.975	ug/l	98
65) Chlorobenzene	11.444	112	751392	51.773	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	263806	51.786	ug/l	98
67) Ethyl Benzene	11.517	91	1286522	54.259	ug/l	99
68) m/p-Xylenes	11.627	106	1036273	109.147	ug/l	96
69) o-Xylene	11.956	106	476060	54.165	ug/l	98
70) Styrene	11.968	104	792436	54.402	ug/l	98
71) Bromoform	12.133	173	154703	50.996	ug/l #	98
73) Isopropylbenzene	12.255	105	1235422	53.751	ug/l	99
74) N-amyl acetate	12.072	43	221496	50.983	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.505	83	188779	48.939	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	178135m	51.552	ug/l	
77) Bromobenzene	12.529	156	302506	51.516	ug/l	94
78) n-propylbenzene	12.596	91	1480021	54.634	ug/l	98
79) 2-Chlorotoluene	12.682	91	834260	53.468	ug/l	98
80) 1,3,5-Trimethylbenzene	12.736	105	1014532	54.272	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	64972	51.277	ug/l	95
82) 4-Chlorotoluene	12.779	91	852325	52.206	ug/l	97
83) tert-Butylbenzene	12.999	119	909232	53.703	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	1003523	54.265	ug/l	98
85) sec-Butylbenzene	13.175	105	1327932	53.907	ug/l	99
86) p-Isopropyltoluene	13.291	119	1129738	54.293	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	594025	51.122	ug/l	99
88) 1,4-Dichlorobenzene	13.364	146	578315	50.249	ug/l	99
89) n-Butylbenzene	13.614	91	1006033	54.516	ug/l	99
90) Hexachloroethane	13.876	117	227728	50.481	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	512513	50.588	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	29345	48.483	ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	300646	50.874	ug/l	99
94) Hexachlorobutadiene	15.023	225	191619	52.443	ug/l	99
95) Naphthalene	15.145	128	482930	50.843	ug/l	100
96) 1,2,3-Trichlorobenzene	15.327	180	260012	50.662	ug/l	98

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

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