

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100825\
 Data File : VY023405.D
 Acq On : 08 Oct 2025 16:12
 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 10/10/2025
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 03:13:41 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	7.707	168	559273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	807334	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	733299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	400297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	219486	46.932	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.860%		
35) Dibromofluoromethane	7.634	113	241410	48.665	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.320%		
50) Toluene-d8	10.103	98	897865	48.601	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.200%		
62) 4-Bromofluorobenzene	12.402	95	300344	49.243	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.480%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	172982	42.971	ug/l	98
3) Chloromethane	2.068	50	246075	44.872	ug/l	99
4) Vinyl Chloride	2.202	62	331360	46.391	ug/l	99
5) Bromomethane	2.592	94	263324	43.931	ug/l	100
6) Chloroethane	2.733	64	234796	48.224	ug/l	98
7) Trichlorofluoromethane	3.056	101	458354	46.217	ug/l	98
8) Diethyl Ether	3.452	74	119952	46.287	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	239342	46.507	ug/l	100
10) Methyl Iodide	4.001	142	297001	51.839	ug/l	99
11) Tert butyl alcohol	4.848	59	76428	219.670	ug/l	100
12) 1,1-Dichloroethene	3.787	96	230078	46.118	ug/l	96
13) Acrolein	3.653	56	101776	207.022	ug/l	99
14) Allyl chloride	4.385	41	280549	46.143	ug/l	99
15) Acrylonitrile	5.055	53	238686	240.671	ug/l	99
16) Acetone	3.867	43	218960	196.662	ug/l	99
17) Carbon Disulfide	4.104	76	664923	46.568	ug/l	100
18) Methyl Acetate	4.379	43	145225	49.724	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	580492	48.413	ug/l	97
20) Methylene Chloride	4.610	84	255655	42.464	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	261747	47.655	ug/l	97
22) Diisopropyl ether	6.019	45	648558	48.224	ug/l	99
23) Vinyl Acetate	5.958	43	1759104	241.651	ug/l	98
24) 1,1-Dichloroethane	5.915	63	418546	46.982	ug/l	99
25) 2-Butanone	6.890	43	297313	218.731	ug/l	95
26) 2,2-Dichloropropane	6.884	77	375553	45.942	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	304599	48.009	ug/l	98
28) Bromochloromethane	7.244	49	151870	45.666	ug/l	99
29) Tetrahydrofuran	7.262	42	185296	240.396	ug/l	98
30) Chloroform	7.421	83	467006	47.713	ug/l	100
31) Cyclohexane	7.701	56	349035	44.864	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	417635	46.953	ug/l	100
36) 1,1-Dichloropropene	7.835	75	317468	48.340	ug/l	99
37) Ethyl Acetate	6.982	43	127867	49.145	ug/l	97
38) Carbon Tetrachloride	7.817	117	378560	47.538	ug/l	98
39) Methylcyclohexane	9.109	83	423167	49.488	ug/l	100
40) Benzene	8.079	78	1005201	48.330	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	57289	40.712	ug/l #	88
42) 1,2-Dichloroethane	8.158	62	258922	48.271	ug/l	100
43) Isopropyl Acetate	8.195	43	253983	48.955	ug/l	99
44) Trichloroethene	8.866	130	296287	48.671	ug/l	99
45) 1,2-Dichloropropane	9.140	63	227410	49.503	ug/l	98
46) Dibromomethane	9.231	93	144563	49.766	ug/l	98
47) Bromodichloromethane	9.420	83	361862	49.462	ug/l	100
48) Methyl methacrylate	9.219	41	120712	49.526	ug/l	97
49) 1,4-Dioxane	9.225	88	33544	995.972	ug/l	97
51) 4-Methyl-2-Pentanone	9.993	43	683923	255.146	ug/l	99
52) Toluene	10.170	92	667575	49.435	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	314389	49.422	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	367795	48.988	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	193209	49.461	ug/l	95
56) Ethyl methacrylate	10.438	69	234816	52.112	ug/l	99
57) 1,3-Dichloropropane	10.713	76	307420	49.664	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	568885	281.828	ug/l	100
59) 2-Hexanone	10.762	43	466180	243.357	ug/l	100
60) Dibromochloromethane	10.908	129	271371	49.550	ug/l	99
61) 1,2-Dibromoethane	11.012	107	185398	49.766	ug/l	99
64) Tetrachloroethene	10.646	164	366213	48.367	ug/l	96
65) Chlorobenzene	11.438	112	758170	47.537	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	271205	47.718	ug/l	99
67) Ethyl Benzene	11.518	91	1246178	48.271	ug/l	99
68) m/p-Xylenes	11.627	106	1013931	97.918	ug/l	100
69) o-Xylene	11.950	106	477074	49.119	ug/l	99
70) Styrene	11.969	104	797484	49.930	ug/l	100
71) Bromoform	12.127	173	168352	47.754	ug/l #	100
73) Isopropylbenzene	12.249	105	1229037	46.590	ug/l	99
74) N-amyl acetate	12.066	43	221183	46.680	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	193615	44.874	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	169956m	48.123	ug/l	
77) Bromobenzene	12.530	156	317482	45.269	ug/l	99
78) n-propylbenzene	12.591	91	1439974	47.170	ug/l	100
79) 2-Chlorotoluene	12.676	91	821109	45.932	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	1012772	47.510	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	65121	45.216	ug/l	98
82) 4-Chlorotoluene	12.773	91	837635	45.497	ug/l	99
83) tert-Butylbenzene	12.993	119	930454	47.274	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1004451	47.214	ug/l	99
85) sec-Butylbenzene	13.170	105	1335110	47.287	ug/l	100
86) p-Isopropyltoluene	13.286	119	1139235	47.391	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	619457	45.359	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	608912	45.145	ug/l	100
89) n-Butylbenzene	13.615	91	987414	47.141	ug/l	100
90) Hexachloroethane	13.877	117	232120	44.895	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	546395	45.634	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	31728	44.817	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	333445	44.671	ug/l	99
94) Hexachlorobutadiene	15.017	225	207098	44.508	ug/l	99
95) Naphthalene	15.139	128	541564	45.562	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	291708	45.118	ug/l	100

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

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