

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023059.D
 Acq On : 13 Aug 2025 09:37
 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 08/18/2025
 Supervised By :Semsettin Yesilyurt 08/19/2025

Quant Time: Aug 14 01:19:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	535817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	845865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	741859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	361154	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.055	65	254983	49.931	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.860%
35) Dibromofluoromethane	7.628	113	254219	50.227	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.460%
50) Toluene-d8	10.103	98	1014903	51.328	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.660%
62) 4-Bromofluorobenzene	12.401	95	318073	50.020	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.040%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	179347	41.006	ug/l	97
3) Chloromethane	2.068	50	331973	46.863	ug/l	99
4) Vinyl Chloride	2.202	62	422026	48.195	ug/l	99
5) Bromomethane	2.592	94	308334	47.148	ug/l	97
6) Chloroethane	2.732	64	286888	49.279	ug/l	100
7) Trichlorofluoromethane	3.049	101	505891	47.512	ug/l	98
8) Diethyl Ether	3.452	74	128306	45.547	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	249222	47.444	ug/l	99
10) Methyl Iodide	3.994	142	285188	50.312	ug/l	99
11) Tert butyl alcohol	4.860	59	73451	209.916	ug/l	100
12) 1,1-Dichloroethene	3.781	96	245840	47.613	ug/l	99
13) Acrolein	3.647	56	106236	207.313	ug/l	98
14) Allyl chloride	4.378	41	367684	48.395	ug/l	99
15) Acrylonitrile	5.049	53	258896	226.059	ug/l	99
16) Acetone	3.866	43	280197	253.265	ug/l	97
17) Carbon Disulfide	4.098	76	802293	47.654	ug/l	100
18) Methyl Acetate	4.378	43	137365	41.723	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	620651	46.387	ug/l	99
20) Methylene Chloride	4.610	84	277983	48.260	ug/l	100
21) trans-1,2-Dichloroethene	5.104	96	281759	48.558	ug/l	99
22) Diisopropyl ether	6.018	45	804095	48.705	ug/l	98
23) Vinyl Acetate	5.951	43	2205285	241.571	ug/l	99
24) 1,1-Dichloroethane	5.909	63	489342	48.480	ug/l	99
25) 2-Butanone	6.890	43	345112	229.361	ug/l	99
26) 2,2-Dichloropropane	6.878	77	435291	49.978	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	319779	47.671	ug/l	98
28) Bromochloromethane	7.238	49	197112	49.222	ug/l	98
29) Tetrahydrofuran	7.256	42	209787	224.929	ug/l	99
30) Chloroform	7.414	83	499613	47.994	ug/l	98
31) Cyclohexane	7.695	56	440040	46.262	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	450437	48.765	ug/l	99
36) 1,1-Dichloropropene	7.829	75	365059	48.533	ug/l	99
37) Ethyl Acetate	6.976	43	143345	45.366	ug/l	98
38) Carbon Tetrachloride	7.817	117	399023	48.841	ug/l	97
39) Methylcyclohexane	9.103	83	486544	49.119	ug/l	98
40) Benzene	8.079	78	1128264	48.666	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	82958	45.492	ug/l	97
42) 1,2-Dichloroethane	8.152	62	287233	47.637	ug/l	99
43) Isopropyl Acetate	8.195	43	294919	46.179	ug/l #	85
44) Trichloroethene	8.859	130	290876	48.551	ug/l	98
45) 1,2-Dichloropropane	9.140	63	259199	48.591	ug/l	98
46) Dibromomethane	9.225	93	147784	48.268	ug/l	96
47) Bromodichloromethane	9.420	83	380333	48.276	ug/l	99
48) Methyl methacrylate	9.219	41	139803	45.747	ug/l	97
49) 1,4-Dioxane	9.225	88	32506	905.464	ug/l	94
51) 4-Methyl-2-Pentanone	9.993	43	766289	232.613	ug/l	100
52) Toluene	10.170	92	730616	49.619	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	346881	48.623	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	410557	48.667	ug/l	98
55) 1,1,2-Trichloroethane	10.566	97	189812	46.330	ug/l	95
56) Ethyl methacrylate	10.438	69	252654	48.194	ug/l	99
57) 1,3-Dichloropropane	10.713	76	328997	47.351	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	609788	246.593	ug/l	99
59) 2-Hexanone	10.755	43	545617	243.235	ug/l	98
60) Dibromochloromethane	10.908	129	253556	46.904	ug/l	99
61) 1,2-Dibromoethane	11.011	107	180061	46.761	ug/l	99
64) Tetrachloroethene	10.646	164	331676	50.070	ug/l	97
65) Chlorobenzene	11.438	112	773624	48.346	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.511	131	261298	48.113	ug/l	99
67) Ethyl Benzene	11.517	91	1376524	49.987	ug/l	99
68) m/p-Xylenes	11.627	106	1075458	99.994	ug/l	99
69) o-Xylene	11.950	106	505296	50.162	ug/l	99
70) Styrene	11.969	104	833474	50.595	ug/l	100
71) Bromoform	12.127	173	144602	45.557	ug/l	100
73) Isopropylbenzene	12.249	105	1308324	51.327	ug/l	100
74) N-amyl acetate	12.066	43	269858	49.922	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	199792	45.905	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	169584m	48.654	ug/l	
77) Bromobenzene	12.529	156	296723	48.794	ug/l	98
78) n-propylbenzene	12.590	91	1579912	52.061	ug/l	100
79) 2-Chlorotoluene	12.676	91	881616	50.703	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	1062229	51.563	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	69624	48.354	ug/l	98
82) 4-Chlorotoluene	12.773	91	913772	50.659	ug/l	100
83) tert-Butylbenzene	12.993	119	950248	51.072	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	1060687	51.723	ug/l	100
85) sec-Butylbenzene	13.170	105	1414361	51.748	ug/l	100
86) p-Isopropyltoluene	13.285	119	1182656	52.130	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	598001	49.866	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	582375	48.956	ug/l	100
89) n-Butylbenzene	13.615	91	1098867	52.737	ug/l	99
90) Hexachloroethane	13.877	117	234252	50.439	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	509973	48.490	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32155	47.451	ug/l	95
93) 1,2,4-Trichlorobenzene	14.913	180	300082	48.250	ug/l	99
94) Hexachlorobutadiene	15.017	225	175599	48.048	ug/l	99
95) Naphthalene	15.139	128	502833	47.413	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	252008	47.023	ug/l	98

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

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