

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
 Data File : VY023039.D
 Acq On : 22 Jul 2025 11:04
 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 07/23/2025
 Supervised By :Semsettin Yesilyurt 07/23/2025

Quant Time: Jul 23 02:00:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	413516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	654916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	559169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	265668	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	199791	47.727	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.460%		
35) Dibromofluoromethane	7.634	113	196251	47.240	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.480%		
50) Toluene-d8	10.109	98	792225	48.088	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.180%		
62) 4-Bromofluorobenzene	12.401	95	240644	46.403	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	149977	42.714	ug/l	99
3) Chloromethane	2.068	50	269873	45.202	ug/l	99
4) Vinyl Chloride	2.202	62	363540	48.063	ug/l	100
5) Bromomethane	2.598	94	251294	46.033	ug/l	99
6) Chloroethane	2.739	64	250614	49.610	ug/l	99
7) Trichlorofluoromethane	3.056	101	411854	46.906	ug/l	100
8) Diethyl Ether	3.458	74	101929	44.355	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	210148	45.561	ug/l	99
10) Methyl Iodide	4.001	142	241588	50.418	ug/l	100
11) Tert butyl alcohol	4.860	59	58540	231.230	ug/l	100
12) 1,1-Dichloroethene	3.793	96	202096	45.994	ug/l	99
13) Acrolein	3.659	56	11596	97.475	ug/l	93
14) Allyl chloride	4.385	41	312273	46.648	ug/l	98
15) Acrylonitrile	5.055	53	207841	238.777	ug/l	99
16) Acetone	3.866	43	163984	216.105	ug/l	100
17) Carbon Disulfide	4.110	76	607013	45.581	ug/l	100
18) Methyl Acetate	4.385	43	127109	49.478	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	497346	47.189	ug/l	98
20) Methylene Chloride	4.616	84	251271	46.493	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	229035	46.826	ug/l	97
22) Diisopropyl ether	6.018	45	695460	48.970	ug/l	98
23) Vinyl Acetate	5.964	43	1737820	242.856	ug/l	98
24) 1,1-Dichloroethane	5.915	63	426107	47.769	ug/l	99
25) 2-Butanone	6.896	43	256655	235.768	ug/l	98
26) 2,2-Dichloropropane	6.884	77	369506	47.265	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	265223	47.050	ug/l	98
28) Bromochloromethane	7.244	49	169903	49.109	ug/l	98
29) Tetrahydrofuran	7.262	42	166161	241.088	ug/l	100
30) Chloroform	7.421	83	435329	48.378	ug/l	99
31) Cyclohexane	7.701	56	373293	44.787	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	385246	47.185	ug/l	99
36) 1,1-Dichloropropene	7.835	75	315447	48.205	ug/l	99
37) Ethyl Acetate	6.982	43	116191	47.808	ug/l	99
38) Carbon Tetrachloride	7.817	117	340207	47.854	ug/l	98
39) Methylcyclohexane	9.109	83	403099	47.592	ug/l	98
40) Benzene	8.079	78	960054	48.727	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	70913	53.562	ug/l #	90
42) 1,2-Dichloroethane	8.158	62	241145	49.194	ug/l	100
43) Isopropyl Acetate	8.195	43	236894	49.071	ug/l #	87
44) Trichloroethene	8.866	130	238928	47.213	ug/l	99
45) 1,2-Dichloropropane	9.140	63	222072	48.265	ug/l	99
46) Dibromomethane	9.231	93	114939	48.329	ug/l	98
47) Bromodichloromethane	9.426	83	324186	49.313	ug/l	100
48) Methyl methacrylate	9.219	41	117253	50.308	ug/l	100
49) 1,4-Dioxane	9.225	88	23907	953.644	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	627727	256.182	ug/l	100
52) Toluene	10.170	92	613136	50.053	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	277671	49.205	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	328881	48.352	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	153120	48.985	ug/l	98
56) Ethyl methacrylate	10.438	69	196034	50.238	ug/l	99
57) 1,3-Dichloropropane	10.713	76	266128	49.284	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	490656	256.871	ug/l	99
59) 2-Hexanone	10.762	43	409696	254.369	ug/l	99
60) Dibromochloromethane	10.914	129	202841	49.555	ug/l	98
61) 1,2-Dibromoethane	11.011	107	138348	48.738	ug/l	100
64) Tetrachloroethene	10.646	164	275448	48.193	ug/l	98
65) Chlorobenzene	11.444	112	632860	47.963	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	212932	47.314	ug/l	99
67) Ethyl Benzene	11.518	91	1145408	48.975	ug/l	99
68) m/p-Xylenes	11.627	106	881100	98.220	ug/l	100
69) o-Xylene	11.956	106	403716	48.493	ug/l	99
70) Styrene	11.969	104	674359	49.451	ug/l	100
71) Bromoform	12.133	173	107810	47.188	ug/l #	100
73) Isopropylbenzene	12.255	105	1077188	47.824	ug/l	100
74) N-amyl acetate	12.066	43	209264	49.279	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	151397	46.448	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	164407m	49.663	ug/l	
77) Bromobenzene	12.530	156	232750	47.645	ug/l	99
78) n-propylbenzene	12.597	91	1319574	49.196	ug/l	100
79) 2-Chlorotoluene	12.682	91	720755	47.778	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	861281	48.483	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	52206	46.971	ug/l	99
82) 4-Chlorotoluene	12.773	91	748246	49.179	ug/l	99
83) tert-Butylbenzene	12.999	119	780072	48.613	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	856722	48.992	ug/l	99
85) sec-Butylbenzene	13.176	105	1177733	48.976	ug/l	100
86) p-Isopropyltoluene	13.292	119	950206	48.654	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	465065	47.173	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	451393	47.328	ug/l	100
89) n-Butylbenzene	13.615	91	901082	50.000	ug/l	99
90) Hexachloroethane	13.877	117	193375	47.824	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	397553	47.806	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	23955	49.496	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	206512	47.112	ug/l	98
94) Hexachlorobutadiene	15.023	225	126337	45.716	ug/l	99
95) Naphthalene	15.145	128	346881	49.339	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	173145	47.839	ug/l	99

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

