

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082525\
 Data File : VY023212.D
 Acq On : 25 Aug 2025 16:27
 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 :Mahesh Dadoda 08/26/2025
 Supervised By :Semsettin Yesilyurt 08/26/2025

Quant Time: Aug 25 23:51:26 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	7.713	168	441654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	689410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	615546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	325584	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	201848	47.953	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.900%
35) Dibromofluoromethane	7.640	113	213111	51.661	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.320%
50) Toluene-d8	10.103	98	845636	52.474	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.940%
62) 4-Bromofluorobenzene	12.402	95	272238	52.528	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	105.060%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	139962	38.824	ug/l	99
3) Chloromethane	2.068	50	258839	44.329	ug/l	99
4) Vinyl Chloride	2.202	62	336953	46.684	ug/l	99
5) Bromomethane	2.599	94	261198	48.456	ug/l	98
6) Chloroethane	2.733	64	242853	50.609	ug/l	98
7) Trichlorofluoromethane	3.056	101	408063	46.495	ug/l	99
8) Diethyl Ether	3.458	74	105427	45.404	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	201515	46.541	ug/l	98
10) Methyl Iodide	4.007	142	264810	56.677	ug/l	98
11) Tert butyl alcohol	4.854	59	53506	185.518	ug/l	99
12) 1,1-Dichloroethene	3.787	96	203802	47.886	ug/l	95
13) Acrolein	3.653	56	19179	45.406	ug/l	96
14) Allyl chloride	4.385	41	286240	45.708	ug/l	98
15) Acrylonitrile	5.061	53	208959	221.356	ug/l	100
16) Acetone	3.867	43	183517	201.244	ug/l	99
17) Carbon Disulfide	4.104	76	639957	46.116	ug/l	98
18) Methyl Acetate	4.385	43	119628	44.083	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	499714	45.311	ug/l	100
20) Methylene Chloride	4.616	84	250297	52.983	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	241149	50.420	ug/l	98
22) Diisopropyl ether	6.019	45	651704	47.890	ug/l	98
23) Vinyl Acetate	5.964	43	1663421	221.063	ug/l	98
24) 1,1-Dichloroethane	5.915	63	419602	50.434	ug/l	100
25) 2-Butanone	6.897	43	250350	201.856	ug/l	92
26) 2,2-Dichloropropane	6.884	77	358119	49.884	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	285562	51.646	ug/l	96
28) Bromochloromethane	7.244	49	151736	45.969	ug/l	93
29) Tetrahydrofuran	7.262	42	156446	203.501	ug/l	95
30) Chloroform	7.421	83	442453	51.565	ug/l	96
31) Cyclohexane	7.701	56	327814	41.812	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	383531	50.375	ug/l	99
36) 1,1-Dichloropropene	7.835	75	306485	49.992	ug/l	99
37) Ethyl Acetate	6.988	43	111351	43.238	ug/l	99
38) Carbon Tetrachloride	7.817	117	337752	50.724	ug/l	98
39) Methylcyclohexane	9.110	83	375746	46.542	ug/l	95
40) Benzene	8.079	78	986883	52.228	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	57684	38.811	ug/l #	89
42) 1,2-Dichloroethane	8.159	62	238505	48.532	ug/l	99
43) Isopropyl Acetate	8.201	43	221627	42.578	ug/l	99
44) Trichloroethene	8.866	130	260658	53.380	ug/l	98
45) 1,2-Dichloropropane	9.140	63	221740	51.002	ug/l	99
46) Dibromomethane	9.231	93	125554	50.314	ug/l	99
47) Bromodichloromethane	9.420	83	330754	51.511	ug/l	96
48) Methyl methacrylate	9.219	41	106889	42.914	ug/l	93
49) 1,4-Dioxane	9.225	88	26223	896.218	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	583432	217.297	ug/l	99
52) Toluene	10.170	92	634951	52.908	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	285029	49.020	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	345867	50.303	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	170850	51.166	ug/l	100
56) Ethyl methacrylate	10.439	69	200167	46.847	ug/l	98
57) 1,3-Dichloropropane	10.713	76	279980	49.441	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	463424	229.935	ug/l	98
59) 2-Hexanone	10.762	43	391267	214.010	ug/l	99
60) Dibromochloromethane	10.908	129	227701	51.680	ug/l	99
61) 1,2-Dibromoethane	11.012	107	159101	50.695	ug/l	99
64) Tetrachloroethene	10.646	164	309544	56.317	ug/l	99
65) Chlorobenzene	11.438	112	688996	51.892	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.512	131	237841	52.781	ug/l	98
67) Ethyl Benzene	11.518	91	1188553	52.018	ug/l	99
68) m/p-Xylenes	11.627	106	947433	106.167	ug/l	97
69) o-Xylene	11.951	106	442448	52.936	ug/l	100
70) Styrene	11.969	104	742369	54.312	ug/l	98
71) Bromoform	12.127	173	131209	49.820	ug/l #	100
73) Isopropylbenzene	12.255	105	1144571	49.809	ug/l	99
74) N-amyl acetate	12.066	43	194002	39.810	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	165675	42.224	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	120459m	38.336	ug/l	
77) Bromobenzene	12.530	156	272636	49.731	ug/l	94
78) n-propylbenzene	12.591	91	1367599	49.988	ug/l	99
79) 2-Chlorotoluene	12.676	91	777196	49.581	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	942901	50.771	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	53774	41.426	ug/l	98
82) 4-Chlorotoluene	12.774	91	790850	48.634	ug/l	98
83) tert-Butylbenzene	12.993	119	858011	51.153	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	941680	50.936	ug/l	98
85) sec-Butylbenzene	13.170	105	1239784	50.316	ug/l	99
86) p-Isopropyltoluene	13.292	119	1066483	52.145	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	547312	50.626	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	535561	49.939	ug/l	99
89) n-Butylbenzene	13.615	91	944856	50.300	ug/l	99
90) Hexachloroethane	13.877	117	217985	52.065	ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	466893	49.244	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	24781	40.565	ug/l	90
93) 1,2,4-Trichlorobenzene	14.919	180	268105	47.818	ug/l	99
94) Hexachlorobutadiene	15.017	225	164160	49.825	ug/l	99
95) Naphthalene	15.139	128	420343	43.965	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	226918	46.967	ug/l	98

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

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