

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
 Data File : VY023267.D
 Acq On : 02 Sep 2025 15:56
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/03/2025
 Supervised By :Semsettin Yesilyurt 09/03/2025

Quant Time: Sep 03 03:32:48 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	7.707	168	455779	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	701453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	632025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	337552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	191602	44.108	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.220%		
35) Dibromofluoromethane	7.640	113	204921	48.822	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.640%		
50) Toluene-d8	10.109	98	770814	47.009	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.020%		
62) 4-Bromofluorobenzene	12.401	95	255401	48.433	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	135621	36.454	ug/l	100
3) Chloromethane	2.068	50	235124	39.020	ug/l	99
4) Vinyl Chloride	2.202	62	302913	40.667	ug/l	96
5) Bromomethane	2.598	94	251545	45.219	ug/l	100
6) Chloroethane	2.732	64	220032	44.432	ug/l	98
7) Trichlorofluoromethane	3.056	101	388707	42.917	ug/l	100
8) Diethyl Ether	3.458	74	111837	46.672	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.818	101	203035	45.439	ug/l	96
10) Methyl Iodide	4.001	142	242356	50.264	ug/l	99
11) Tert butyl alcohol	4.866	59	77197	259.365	ug/l	100
12) 1,1-Dichloroethene	3.787	96	199430	45.407	ug/l	92
13) Acrolein	3.653	56	18559	42.577	ug/l	95
14) Allyl chloride	4.385	41	261357	40.441	ug/l	97
15) Acrylonitrile	5.061	53	228664	234.723	ug/l	99
16) Acetone	3.873	43	182102	193.503	ug/l	99
17) Carbon Disulfide	4.104	76	583492	40.744	ug/l	99
18) Methyl Acetate	4.385	43	143615	51.282	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	533795	46.902	ug/l	99
20) Methylene Chloride	4.616	84	260782	53.520	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	232289	47.062	ug/l	94
22) Diisopropyl ether	6.018	45	617186	43.948	ug/l	95
23) Vinyl Acetate	5.964	43	1666569	214.617	ug/l	98
24) 1,1-Dichloroethane	5.915	63	393636	45.846	ug/l	100
25) 2-Butanone	6.896	43	278647	217.709	ug/l	94
26) 2,2-Dichloropropane	6.890	77	320081	43.204	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	277122	48.566	ug/l	92
28) Bromochloromethane	7.244	49	159822	46.918	ug/l	88
29) Tetrahydrofuran	7.262	42	182218	229.679	ug/l	95
30) Chloroform	7.421	83	425203	48.019	ug/l	98
31) Cyclohexane	7.701	56	315748	39.025	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	371152	47.238	ug/l	99
36) 1,1-Dichloropropene	7.835	75	288994	46.330	ug/l	97
37) Ethyl Acetate	6.988	43	123314	47.061	ug/l	99
38) Carbon Tetrachloride	7.823	117	330326	48.757	ug/l	98
39) Methylcyclohexane	9.109	83	363416	44.242	ug/l	97
40) Benzene	8.079	78	923087	48.014	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	68473	45.279	ug/l	89
42) 1,2-Dichloroethane	8.158	62	237408	47.480	ug/l	100
43) Isopropyl Acetate	8.201	43	245551	46.365	ug/l	96
44) Trichloroethene	8.866	130	258026	51.934	ug/l	98
45) 1,2-Dichloropropane	9.140	63	210847	47.664	ug/l	100
46) Dibromomethane	9.231	93	131800	51.910	ug/l	98
47) Bromodichloromethane	9.426	83	325573	49.833	ug/l	99
48) Methyl methacrylate	9.219	41	116866	46.114	ug/l	89
49) 1,4-Dioxane	9.231	88	29178	980.089	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	671636	245.854	ug/l	97
52) Toluene	10.170	92	599691	49.112	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	284733	48.128	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	335063	47.895	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	176736	52.020	ug/l	98
56) Ethyl methacrylate	10.438	69	217975	50.139	ug/l	97
57) 1,3-Dichloropropane	10.719	76	286820	49.779	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	548727	267.585	ug/l	96
59) 2-Hexanone	10.762	43	446835	240.208	ug/l	97
60) Dibromochloromethane	10.908	129	238758	53.259	ug/l	100
61) 1,2-Dibromoethane	11.011	107	168096	52.641	ug/l	100
64) Tetrachloroethene	10.646	164	322629	57.168	ug/l	98
65) Chlorobenzene	11.438	112	666417	48.883	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	235613	50.923	ug/l	99
67) Ethyl Benzene	11.517	91	1122916	47.864	ug/l	99
68) m/p-Xylenes	11.627	106	891622	97.308	ug/l	96
69) o-Xylene	11.950	106	425634	49.597	ug/l	97
70) Styrene	11.969	104	713285	50.823	ug/l	97
71) Bromoform	12.133	173	145831	53.928	ug/l #	99
73) Isopropylbenzene	12.255	105	1087010	45.626	ug/l	99
74) N-amyl acetate	12.066	43	217631	43.075	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	177036	43.520	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	163278m	50.120	ug/l	
77) Bromobenzene	12.529	156	270340	47.564	ug/l	94
78) n-propylbenzene	12.590	91	1275889	44.982	ug/l	98
79) 2-Chlorotoluene	12.676	91	734735	45.210	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	885084	45.968	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	57724	42.892	ug/l	99
82) 4-Chlorotoluene	12.773	91	753733	44.708	ug/l	98
83) tert-Butylbenzene	12.993	119	806903	46.401	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	886932	46.274	ug/l	98
85) sec-Butylbenzene	13.176	105	1173310	45.930	ug/l	99
86) p-Isopropyltoluene	13.292	119	993946	46.875	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	532451	47.505	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	518128	46.600	ug/l	99
89) n-Butylbenzene	13.615	91	873863	44.871	ug/l	99
90) Hexachloroethane	13.877	117	207141	47.720	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	476167	48.441	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	30022	47.401	ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	279622	48.103	ug/l	100
94) Hexachlorobutadiene	15.023	225	163596	47.893	ug/l	99
95) Naphthalene	15.139	128	497872	50.228	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	245832	49.078	ug/l	99

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

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