

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101425\
 Data File : VY023456.D
 Acq On : 14 Oct 2025 11:25
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025

Quant Time: Oct 15 03:24:19 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	7.713	168	571722	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	808604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	715207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	372874	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	221916	46.418	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.840%		
35) Dibromofluoromethane	7.640	113	248799	50.075	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.160%		
50) Toluene-d8	10.109	98	942878	50.958	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.920%		
62) 4-Bromofluorobenzene	12.408	95	299713	49.063	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	177782	43.202	ug/l	100
3) Chloromethane	2.074	50	238579	42.558	ug/l	99
4) Vinyl Chloride	2.208	62	325020	44.513	ug/l	99
5) Bromomethane	2.598	94	267390	43.638	ug/l	99
6) Chloroethane	2.739	64	231769	46.566	ug/l	98
7) Trichlorofluoromethane	3.062	101	463109	45.679	ug/l	97
8) Diethyl Ether	3.458	74	118343	44.671	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	252738	48.040	ug/l	99
10) Methyl Iodide	4.013	142	298585	50.981	ug/l	100
11) Tert butyl alcohol	4.854	59	75184	211.390	ug/l	98
12) 1,1-Dichloroethene	3.793	96	239265	46.916	ug/l	95
13) Acrolein	3.653	56	64576	128.493	ug/l	100
14) Allyl chloride	4.391	41	289158	46.523	ug/l	99
15) Acrylonitrile	5.061	53	227715	224.609	ug/l	100
16) Acetone	3.866	43	257583	226.315	ug/l	98
17) Carbon Disulfide	4.110	76	680600	46.628	ug/l	99
18) Methyl Acetate	4.385	43	140195	46.956	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	567311	46.284	ug/l	97
20) Methylene Chloride	4.622	84	260976	42.404	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	267679	47.673	ug/l	97
22) Diisopropyl ether	6.025	45	654558	47.611	ug/l	99
23) Vinyl Acetate	5.964	43	1708649	229.609	ug/l	99
24) 1,1-Dichloroethane	5.921	63	431610	47.394	ug/l	99
25) 2-Butanone	6.896	43	302322	217.573	ug/l	94
26) 2,2-Dichloropropane	6.890	77	408175	48.846	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	310682	47.902	ug/l	99
28) Bromochloromethane	7.250	49	149509	43.977	ug/l	99
29) Tetrahydrofuran	7.262	42	171037	217.065	ug/l	99
30) Chloroform	7.427	83	478940	47.867	ug/l	100
31) Cyclohexane	7.707	56	355162	44.658	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	441848	48.593	ug/l	100
36) 1,1-Dichloropropene	7.841	75	333607	50.717	ug/l	99
37) Ethyl Acetate	6.988	43	119370	45.807	ug/l	100
38) Carbon Tetrachloride	7.823	117	406679	50.989	ug/l	100
39) Methylcyclohexane	9.109	83	435067	50.800	ug/l	99
40) Benzene	8.085	78	1036881	49.775	ug/l	99

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41) Methacrylonitrile	7.232	41	64761	45.950	ug/l	95
42) 1,2-Dichloroethane	8.164	62	258162	48.053	ug/l	100
43) Isopropyl Acetate	8.201	43	239079	46.010	ug/l	100
44) Trichloroethene	8.872	130	300046	49.212	ug/l	100
45) 1,2-Dichloropropane	9.146	63	228487	49.659	ug/l	97
46) Dibromomethane	9.231	93	143999	49.494	ug/l	98
47) Bromodichloromethane	9.426	83	367113	50.101	ug/l	99
48) Methyl methacrylate	9.225	41	118168	48.406	ug/l	99
49) 1,4-Dioxane	9.231	88	29913	886.767	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	644670	240.124	ug/l	100
52) Toluene	10.176	92	692627	51.209	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	314507	49.363	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	375175	49.892	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	191249	48.882	ug/l	96
56) Ethyl methacrylate	10.445	69	226346	50.154	ug/l	98
57) 1,3-Dichloropropane	10.719	76	304503	49.116	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	506766	250.659	ug/l	100
59) 2-Hexanone	10.762	43	456965	238.172	ug/l	99
60) Dibromochloromethane	10.914	129	275379	50.203	ug/l	100
61) 1,2-Dibromoethane	11.018	107	180761	48.445	ug/l	99
64) Tetrachloroethene	10.652	164	361369	48.934	ug/l	97
65) Chlorobenzene	11.444	112	769686	49.480	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	277708	50.099	ug/l	99
67) Ethyl Benzene	11.518	91	1291955	51.310	ug/l	100
68) m/p-Xylenes	11.627	106	1048837	103.851	ug/l	99
69) o-Xylene	11.956	106	484351	51.130	ug/l	100
70) Styrene	11.969	104	824343	52.918	ug/l	99
71) Bromoform	12.133	173	166740	48.493	ug/l #	99
73) Isopropylbenzene	12.255	105	1274598	51.870	ug/l	100
74) N-amyl acetate	12.072	43	207513	47.016	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	193383	48.117	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	147312m	44.779	ug/l	
77) Bromobenzene	12.530	156	319841	48.960	ug/l	99
78) n-propylbenzene	12.597	91	1488587	52.349	ug/l	100
79) 2-Chlorotoluene	12.682	91	841372	50.527	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1032904	52.018	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	63523	47.350	ug/l	99
82) 4-Chlorotoluene	12.779	91	875119	51.029	ug/l	99
83) tert-Butylbenzene	12.999	119	948156	51.716	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1033130	52.134	ug/l	100
85) sec-Butylbenzene	13.176	105	1383925	52.621	ug/l	99
86) p-Isopropyltoluene	13.292	119	1171485	52.317	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	628264	49.387	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	614737	48.928	ug/l	100
89) n-Butylbenzene	13.615	91	1023002	52.432	ug/l	100
90) Hexachloroethane	13.883	117	246469	51.176	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	541706	48.570	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	29887	45.321	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	329820	47.435	ug/l	99
94) Hexachlorobutadiene	15.023	225	208858	48.188	ug/l	98
95) Naphthalene	15.145	128	510225	46.083	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	280314	46.544	ug/l	99

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

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