

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022968.D
 Acq On : 08 Jul 2025 11:15
 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 07/09/2025
 Supervised By :Semsettin Yesilyurt 07/09/2025

Quant Time: Jul 09 02:28:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	422213	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	699147	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	604420	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	299896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	229651	48.734	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.460%		
35) Dibromofluoromethane	7.634	113	210270	49.453	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.900%		
50) Toluene-d8	10.103	98	836224	49.563	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.120%		
62) 4-Bromofluorobenzene	12.402	95	269321	49.655	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	149623	41.443	ug/l	98
3) Chloromethane	2.062	50	343616	49.842	ug/l	99
4) Vinyl Chloride	2.202	62	407515	47.314	ug/l	99
5) Bromomethane	2.592	94	322765	47.667	ug/l	99
6) Chloroethane	2.733	64	282805	48.847	ug/l	96
7) Trichlorofluoromethane	3.050	101	444726	46.632	ug/l	98
8) Diethyl Ether	3.452	74	114921	48.788	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	205556	47.163	ug/l	98
10) Methyl Iodide	4.001	142	229777	48.422	ug/l	100
11) Tert butyl alcohol	4.891	59	73729	235.303	ug/l	98
12) 1,1-Dichloroethene	3.787	96	200956	47.023	ug/l	96
13) Acrolein	3.653	56	35675	83.964	ug/l	98
14) Allyl chloride	4.379	41	328644	49.997	ug/l	93
15) Acrylonitrile	5.061	53	258033	262.553	ug/l	99
16) Acetone	3.879	43	257814	289.462	ug/l	99
17) Carbon Disulfide	4.104	76	619895	44.901	ug/l	98
18) Methyl Acetate	4.391	43	149302	50.618	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	580175	49.858	ug/l	98
20) Methylene Chloride	4.610	84	269514	47.915	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	229798	47.049	ug/l	99
22) Diisopropyl ether	6.019	45	751423	51.474	ug/l	97
23) Vinyl Acetate	5.958	43	2119466	262.885	ug/l	99
24) 1,1-Dichloroethane	5.915	63	436629	49.518	ug/l	100
25) 2-Butanone	6.896	43	349329	269.483	ug/l	100
26) 2,2-Dichloropropane	6.884	77	374240	50.632	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	270604	47.679	ug/l	98
28) Bromochloromethane	7.244	49	191649	51.699	ug/l	98
29) Tetrahydrofuran	7.262	42	212839	260.023	ug/l	99
30) Chloroform	7.421	83	441657	48.631	ug/l	97
31) Cyclohexane	7.701	56	380221	46.976	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	380935	48.538	ug/l	99
36) 1,1-Dichloropropene	7.835	75	315647	48.977	ug/l	100
37) Ethyl Acetate	6.982	43	147325	52.975	ug/l	98
38) Carbon Tetrachloride	7.817	117	332658	48.919	ug/l	98
39) Methylcyclohexane	9.109	83	407044	48.805	ug/l	98
40) Benzene	8.079	78	981522	49.535	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	88654m	51.782	ug/l	
42) 1,2-Dichloroethane	8.158	62	274470	50.549	ug/l	98
43) Isopropyl Acetate	8.195	43	298943	51.720	ug/l	98
44) Trichloroethene	8.866	130	242274	48.699	ug/l	97
45) 1,2-Dichloropropane	9.140	63	235525	50.787	ug/l	98
46) Dibromomethane	9.231	93	128619	48.856	ug/l	97
47) Bromodichloromethane	9.420	83	337139	49.662	ug/l	99
48) Methyl methacrylate	9.219	41	147422	53.055	ug/l	95
49) 1,4-Dioxane	9.238	88	29112	935.983	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	805586	274.263	ug/l	96
52) Toluene	10.170	92	624132	49.927	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	310743	50.875	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	361870	51.096	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	171246	50.234	ug/l	96
56) Ethyl methacrylate	10.438	69	242187	52.806	ug/l	96
57) 1,3-Dichloropropane	10.713	76	302943	50.936	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	603617	250.384	ug/l	100
59) 2-Hexanone	10.762	43	553668	277.252	ug/l	98
60) Dibromochloromethane	10.908	129	219069	49.752	ug/l	99
61) 1,2-Dibromoethane	11.012	107	161320	50.571	ug/l	96
64) Tetrachloroethene	10.646	164	271407	47.532	ug/l	97
65) Chlorobenzene	11.438	112	658562	49.587	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	218679	48.613	ug/l	98
67) Ethyl Benzene	11.518	91	1173329	50.283	ug/l	100
68) m/p-Xylenes	11.627	106	909491	100.827	ug/l	99
69) o-Xylene	11.950	106	427017	50.241	ug/l	99
70) Styrene	11.969	104	722455	50.745	ug/l	100
71) Bromoform	12.127	173	126644	50.562	ug/l #	98
73) Isopropylbenzene	12.249	105	1106215	49.876	ug/l	99
74) N-amyl acetate	12.066	43	276141	55.468	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	186145	52.075	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	142722m	46.616	ug/l	
77) Bromobenzene	12.530	156	244775	48.689	ug/l	98
78) n-propylbenzene	12.591	91	1361710	50.851	ug/l	99
79) 2-Chlorotoluene	12.676	91	752647	49.747	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	903028	50.436	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	64957	53.600	ug/l	98
82) 4-Chlorotoluene	12.773	91	784229	49.348	ug/l	100
83) tert-Butylbenzene	12.993	119	816569	51.713	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	909008	50.709	ug/l	100
85) sec-Butylbenzene	13.170	105	1212780	51.047	ug/l	100
86) p-Isopropyltoluene	13.286	119	1009710	51.071	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	501096	49.630	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	490881	48.945	ug/l	100
89) n-Butylbenzene	13.615	91	958353	51.532	ug/l	99
90) Hexachloroethane	13.877	117	196196	49.824	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	436344	49.040	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	30913	50.996	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	241936	48.159	ug/l	98
94) Hexachlorobutadiene	15.023	225	134640	47.395	ug/l	98
95) Naphthalene	15.139	128	456314	50.229	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	207639	47.831	ug/l	98

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

