

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101025\
 Data File : VY023424.D
 Acq On : 10 Oct 2025 08:56
 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 10/13/2025
 Supervised By :Semsettin Yesilyurt 10/13/2025

Quant Time: Oct 10 15:31:52 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	555461	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	789535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	696631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	366006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	211386	45.510	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.020%		
35) Dibromofluoromethane	7.634	113	234346	48.306	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.620%		
50) Toluene-d8	10.109	98	882010	48.819	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.640%		
62) 4-Bromofluorobenzene	12.408	95	286981	48.113	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	175763	43.961	ug/l	98
3) Chloromethane	2.074	50	241869	44.408	ug/l	100
4) Vinyl Chloride	2.208	62	328645	46.327	ug/l	100
5) Bromomethane	2.598	94	260269	43.719	ug/l	99
6) Chloroethane	2.739	64	233352	48.256	ug/l	100
7) Trichlorofluoromethane	3.062	101	458034	46.501	ug/l	98
8) Diethyl Ether	3.458	74	118082	45.878	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	248291	48.577	ug/l	99
10) Methyl Iodide	4.007	142	319686	56.182	ug/l	100
11) Tert butyl alcohol	4.854	59	73953	214.015	ug/l	99
12) 1,1-Dichloroethene	3.793	96	238596	48.154	ug/l	93
13) Acrolein	3.653	56	86843	177.859	ug/l	99
14) Allyl chloride	4.391	41	285959	47.355	ug/l	99
15) Acrylonitrile	5.061	53	233918	237.482	ug/l	100
16) Acetone	3.866	43	300090	271.380	ug/l	100
17) Carbon Disulfide	4.110	76	693628	48.911	ug/l	99
18) Methyl Acetate	4.385	43	144038	49.656	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	572213	48.051	ug/l	98
20) Methylene Chloride	4.616	84	260884	43.630	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	266615	48.874	ug/l	94
22) Diisopropyl ether	6.024	45	653774	48.946	ug/l	98
23) Vinyl Acetate	5.964	43	1743565	241.160	ug/l	99
24) 1,1-Dichloroethane	5.915	63	430417	48.646	ug/l	98
25) 2-Butanone	6.896	43	329142	243.810	ug/l	97
26) 2,2-Dichloropropane	6.890	77	397500	48.961	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	314070	49.842	ug/l	97
28) Bromochloromethane	7.250	49	150362	45.522	ug/l	100
29) Tetrahydrofuran	7.268	42	182292	238.121	ug/l	100
30) Chloroform	7.421	83	479834	49.360	ug/l	99
31) Cyclohexane	7.707	56	353638	45.768	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	435710	49.321	ug/l	100
36) 1,1-Dichloropropene	7.841	75	328095	51.084	ug/l	100
37) Ethyl Acetate	6.988	43	125695	49.399	ug/l	99
38) Carbon Tetrachloride	7.823	117	396311	50.889	ug/l	98
39) Methylcyclohexane	9.109	83	424798	50.798	ug/l	99
40) Benzene	8.085	78	1044449	51.350	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	58712	42.664	ug/l	88
42) 1,2-Dichloroethane	8.158	62	260219	49.606	ug/l	98
43) Isopropyl Acetate	8.201	43	245687	48.423	ug/l	99
44) Trichloroethene	8.865	130	298362	50.117	ug/l	99
45) 1,2-Dichloropropane	9.146	63	229432	51.069	ug/l	99
46) Dibromomethane	9.231	93	144960	51.028	ug/l	98
47) Bromodichloromethane	9.426	83	363774	50.844	ug/l	99
48) Methyl methacrylate	9.225	41	119935	50.317	ug/l	99
49) 1,4-Dioxane	9.231	88	31607	959.616	ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	666381	254.206	ug/l	100
52) Toluene	10.170	92	689717	52.226	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	315935	50.784	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	375814	51.184	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	197178	51.615	ug/l	97
56) Ethyl methacrylate	10.438	69	229850	52.160	ug/l	99
57) 1,3-Dichloropropane	10.719	76	312833	51.678	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	529859	268.412	ug/l	99
59) 2-Hexanone	10.761	43	487876	260.425	ug/l	99
60) Dibromochloromethane	10.914	129	271656	50.720	ug/l	99
61) 1,2-Dibromoethane	11.018	107	185523	50.922	ug/l	100
64) Tetrachloroethene	10.652	164	369762	51.406	ug/l	98
65) Chlorobenzene	11.444	112	759771	50.145	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	272450	50.461	ug/l	98
67) Ethyl Benzene	11.517	91	1270547	51.805	ug/l	99
68) m/p-Xylenes	11.627	106	1030460	104.753	ug/l	99
69) o-Xylene	11.956	106	477008	51.697	ug/l	100
70) Styrene	11.969	104	802885	52.914	ug/l	100
71) Bromoform	12.133	173	166621	49.751	ug/l #	99
73) Isopropylbenzene	12.255	105	1254522	52.011	ug/l	99
74) N-amyl acetate	12.072	43	209965	48.464	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	194376	49.271	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	149021m	46.149	ug/l	
77) Bromobenzene	12.529	156	318098	49.607	ug/l	99
78) n-propylbenzene	12.597	91	1464919	52.483	ug/l	100
79) 2-Chlorotoluene	12.682	91	831271	50.857	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1019369	52.300	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	65787	49.958	ug/l	99
82) 4-Chlorotoluene	12.779	91	859313	51.047	ug/l	99
83) tert-Butylbenzene	12.999	119	924459	51.370	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1010789	51.964	ug/l	99
85) sec-Butylbenzene	13.176	105	1340178	51.914	ug/l	100
86) p-Isopropyltoluene	13.291	119	1147624	52.213	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	616351	49.360	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	598401	48.522	ug/l	99
89) n-Butylbenzene	13.615	91	990301	51.708	ug/l	99
90) Hexachloroethane	13.877	117	232110	49.099	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	540012	49.327	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	30627	47.315	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	312850	45.839	ug/l	99
94) Hexachlorobutadiene	15.023	225	201594	47.385	ug/l	99
95) Naphthalene	15.145	128	488839	44.979	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	268202	45.368	ug/l	99

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

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