

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
 Data File : VY023543.D
 Acq On : 22 Oct 2025 09:30
 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 :Amit Patel 10/24/2025
 Supervised By :Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 02:25:18 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	557873	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	806690	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	720008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	373234	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	212794	45.615	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.220%		
35) Dibromofluoromethane	7.634	113	247459	49.924	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.840%		
50) Toluene-d8	10.109	98	916029	49.624	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.240%		
62) 4-Bromofluorobenzene	12.408	95	307868	50.517	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.040%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	172025	42.840	ug/l	99
3) Chloromethane	2.074	50	228434	41.760	ug/l	100
4) Vinyl Chloride	2.208	62	307788	43.199	ug/l	98
5) Bromomethane	2.598	94	254415	42.551	ug/l	99
6) Chloroethane	2.739	64	224891	46.306	ug/l	99
7) Trichlorofluoromethane	3.062	101	477889	48.307	ug/l	100
8) Diethyl Ether	3.458	74	129976	50.281	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	261411	50.922	ug/l	98
10) Methyl Iodide	4.007	142	341595	59.772	ug/l	99
11) Tert butyl alcohol	4.860	59	86872	250.315	ug/l	99
12) 1,1-Dichloroethene	3.793	96	254223	51.086	ug/l	98
13) Acrolein	3.653	56	38914	79.353	ug/l	99
14) Allyl chloride	4.385	41	291262	48.025	ug/l	97
15) Acrylonitrile	5.061	53	248616	251.312	ug/l	99
16) Acetone	3.873	43	266925	240.345	ug/l	99
17) Carbon Disulfide	4.110	76	672714	47.232	ug/l	100
18) Methyl Acetate	4.391	43	163801	56.225	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	636893	53.251	ug/l	96
20) Methylene Chloride	4.616	84	276483	46.039	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	284466	51.921	ug/l	98
22) Diisopropyl ether	6.025	45	677959	50.537	ug/l	98
23) Vinyl Acetate	5.964	43	1757567	242.046	ug/l	96
24) 1,1-Dichloroethane	5.921	63	454590	51.156	ug/l	98
25) 2-Butanone	6.896	43	328971	242.629	ug/l	100
26) 2,2-Dichloropropane	6.890	77	428536	52.555	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	340754	53.843	ug/l	96
28) Bromochloromethane	7.250	49	143454	43.243	ug/l	95
29) Tetrahydrofuran	7.268	42	185249	240.938	ug/l	94
30) Chloroform	7.427	83	517452	53.000	ug/l	99
31) Cyclohexane	7.707	56	362890	46.762	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	467952	52.741	ug/l	99
36) 1,1-Dichloropropene	7.841	75	344096	52.436	ug/l	99
37) Ethyl Acetate	6.994	43	127273	48.956	ug/l	97
38) Carbon Tetrachloride	7.823	117	421482	52.970	ug/l	99
39) Methylcyclohexane	9.109	83	452406	52.949	ug/l	97
40) Benzene	8.085	78	1105993	53.219	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	68071m	48.413	ug/l	
42) 1,2-Dichloroethane	8.158	62	274669	51.247	ug/l	98
43) Isopropyl Acetate	8.201	43	259676	50.092	ug/l	96
44) Trichloroethene	8.866	130	331676	54.528	ug/l	99
45) 1,2-Dichloropropane	9.140	63	244273	53.216	ug/l	98
46) Dibromomethane	9.231	93	157780	54.359	ug/l	98
47) Bromodichloromethane	9.426	83	392784	53.731	ug/l	100
48) Methyl methacrylate	9.219	41	125981	51.729	ug/l	95
49) 1,4-Dioxane	9.231	88	35080	1042.410	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	705865	263.542	ug/l	98
52) Toluene	10.170	92	747259	55.380	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	348965	54.901	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	410362	54.701	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	212638	54.478	ug/l	97
56) Ethyl methacrylate	10.438	69	260989	57.967	ug/l	94
57) 1,3-Dichloropropane	10.719	76	337668	54.594	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	574517	284.845	ug/l	98
59) 2-Hexanone	10.762	43	518755	271.019	ug/l	97
60) Dibromochloromethane	10.914	129	304516	55.647	ug/l	99
61) 1,2-Dibromoethane	11.018	107	205601	55.233	ug/l	100
64) Tetrachloroethene	10.646	164	417270	56.127	ug/l	97
65) Chlorobenzene	11.444	112	841259	53.721	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	302769	54.255	ug/l	99
67) Ethyl Benzene	11.517	91	1383613	54.584	ug/l	100
68) m/p-Xylenes	11.627	106	1128353	110.980	ug/l	99
69) o-Xylene	11.956	106	532269	55.814	ug/l	99
70) Styrene	11.969	104	884177	56.380	ug/l	99
71) Bromoform	12.133	173	190201	54.947	ug/l #	98
73) Isopropylbenzene	12.255	105	1380580	56.129	ug/l	100
74) N-amyl acetate	12.072	43	226427	51.252	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	209645	52.112	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	165233m	50.178	ug/l	
77) Bromobenzene	12.529	156	355320	54.338	ug/l	99
78) n-propylbenzene	12.597	91	1597439	56.123	ug/l	99
79) 2-Chlorotoluene	12.682	91	910692	54.637	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1123341	56.518	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	74591	55.547	ug/l	95
82) 4-Chlorotoluene	12.779	91	937415	54.609	ug/l	99
83) tert-Butylbenzene	12.999	119	1037184	56.518	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1118689	56.397	ug/l	99
85) sec-Butylbenzene	13.176	105	1487514	56.506	ug/l	100
86) p-Isopropyltoluene	13.292	119	1282400	57.215	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	688741	54.089	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	671095	53.362	ug/l	99
89) n-Butylbenzene	13.615	91	1101186	56.385	ug/l	99
90) Hexachloroethane	13.877	117	255425	52.984	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	609689	54.613	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	34265	51.910	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	380515	54.674	ug/l	100
94) Hexachlorobutadiene	15.023	225	233049	53.717	ug/l	100
95) Naphthalene	15.145	128	636726	57.452	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	326959	54.237	ug/l	99

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

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