

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110525\
 Data File : VY023679.D
 Acq On : 05 Nov 2025 09:25
 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 :Amit Patel 11/06/2025
 Supervised By :Mahesh Dadoda 11/06/2025

Quant Time: Nov 06 03:24:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	548689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	791181	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	709244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	359972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	236270	50.481	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.960%	
35) Dibromofluoromethane	7.634	113	256190	51.815	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.620%	
50) Toluene-d8	10.109	98	975924	52.987	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.980%	
62) 4-Bromofluorobenzene	12.408	95	325097	54.581	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.160%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	159070	44.165	ug/l	99
3) Chloromethane	2.074	50	238228	47.266	ug/l	100
4) Vinyl Chloride	2.208	62	306722	46.767	ug/l	100
5) Bromomethane	2.598	94	249146	45.161	ug/l	99
6) Chloroethane	2.739	64	220178	48.573	ug/l	98
7) Trichlorofluoromethane	3.062	101	440414	47.680	ug/l	99
8) Diethyl Ether	3.458	74	120573	48.677	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	248446	48.819	ug/l	99
10) Methyl Iodide	4.007	142	308762	51.379	ug/l	99
11) Tert butyl alcohol	4.854	59	77996	258.442	ug/l	99
12) 1,1-Dichloroethene	3.793	96	238473	48.645	ug/l	100
13) Acrolein	3.653	56	85231	219.724	ug/l	97
14) Allyl chloride	4.391	41	305197	51.147	ug/l	98
15) Acrylonitrile	5.055	53	249999	264.100	ug/l	100
16) Acetone	3.866	43	326095	280.295	ug/l	98
17) Carbon Disulfide	4.110	76	738656	49.092	ug/l	99
18) Methyl Acetate	4.391	43	145179	56.575	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	588066	51.732	ug/l	99
20) Methylene Chloride	4.616	84	274928	48.952	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	278667	50.415	ug/l	95
22) Diisopropyl ether	6.018	45	703285	52.894	ug/l	96
23) Vinyl Acetate	5.964	43	1891994	266.653	ug/l	99
24) 1,1-Dichloroethane	5.921	63	439925	49.666	ug/l	99
25) 2-Butanone	6.896	43	362288	269.338	ug/l	98
26) 2,2-Dichloropropane	6.884	77	409786	50.294	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	318254	50.413	ug/l	99
28) Bromochloromethane	7.244	49	170351	50.228	ug/l	98
29) Tetrahydrofuran	7.262	42	196304	274.030	ug/l	98
30) Chloroform	7.421	83	496309	50.219	ug/l	99
31) Cyclohexane	7.707	56	379929	49.253	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	436815	49.453	ug/l	99
36) 1,1-Dichloropropene	7.835	75	344479	52.139	ug/l	100
37) Ethyl Acetate	6.982	43	140959	55.112	ug/l	98
38) Carbon Tetrachloride	7.823	117	399624	51.336	ug/l	99
39) Methylcyclohexane	9.109	83	447171	52.970	ug/l	97
40) Benzene	8.085	78	1092714	52.470	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	75458m	54.049	ug/l	
42) 1,2-Dichloroethane	8.158	62	276077	52.399	ug/l	99
43) Isopropyl Acetate	8.201	43	256475	53.370	ug/l	98
44) Trichloroethene	8.865	130	302440	50.562	ug/l	100
45) 1,2-Dichloropropane	9.140	63	244686	53.236	ug/l	98
46) Dibromomethane	9.237	93	152105	53.410	ug/l	97
47) Bromodichloromethane	9.426	83	379850	52.903	ug/l	100
48) Methyl methacrylate	9.225	41	131318	57.837	ug/l	97
49) 1,4-Dioxane	9.231	88	31563	1082.983	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	719262	281.437	ug/l	100
52) Toluene	10.170	92	720510	54.191	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	325953	53.652	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	389753	53.546	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	199933	52.534	ug/l	97
56) Ethyl methacrylate	10.438	69	235025	56.048	ug/l	100
57) 1,3-Dichloropropane	10.719	76	321336	53.231	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	530106	275.497	ug/l	99
59) 2-Hexanone	10.761	43	537409	288.225	ug/l	100
60) Dibromochloromethane	10.914	129	277514	53.070	ug/l	99
61) 1,2-Dibromoethane	11.018	107	191998	53.755	ug/l	99
64) Tetrachloroethene	10.646	164	369925	50.111	ug/l	99
65) Chlorobenzene	11.444	112	784904	50.835	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	277875	50.895	ug/l	99
67) Ethyl Benzene	11.517	91	1328342	53.156	ug/l	99
68) m/p-Xylenes	11.627	106	1063467	106.515	ug/l	98
69) o-Xylene	11.956	106	492861	53.402	ug/l	99
70) Styrene	11.969	104	829321	54.461	ug/l	100
71) Bromoform	12.133	173	168435	52.822	ug/l	98
73) Isopropylbenzene	12.255	105	1281874	53.244	ug/l	100
74) N-amyl acetate	12.072	43	217236	53.295	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	198999	51.753	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	158301m	54.337	ug/l	
77) Bromobenzene	12.536	156	321804	51.530	ug/l	97
78) n-propylbenzene	12.597	91	1515501	53.515	ug/l	100
79) 2-Chlorotoluene	12.682	91	869939	52.938	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1063727	54.379	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	68861	53.418	ug/l	99
82) 4-Chlorotoluene	12.779	91	904700	53.382	ug/l	99
83) tert-Butylbenzene	12.999	119	944060	52.990	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1036351	53.490	ug/l	98
85) sec-Butylbenzene	13.176	105	1370776	53.345	ug/l	100
86) p-Isopropyltoluene	13.291	119	1169636	53.768	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	630696	51.311	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	607547	50.318	ug/l	99
89) n-Butylbenzene	13.615	91	1018767	53.857	ug/l	99
90) Hexachloroethane	13.877	117	238333	50.983	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	546434	51.586	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	31186	52.675	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	319544	52.739	ug/l	99
94) Hexachlorobutadiene	15.023	225	202248	50.946	ug/l	98
95) Naphthalene	15.145	128	504203	47.853	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	275845	54.491	ug/l	99

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

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