

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
 Data File : VY023290.D
 Acq On : 05 Sep 2025 09:44
 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 09/08/2025
 Supervised By :Semsettin Yesilyurt 09/08/2025

Quant Time: Sep 06 01:51:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	501956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	731150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	649223	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	340704	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	207161	43.303	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.600%
35) Dibromofluoromethane	7.634	113	225866	51.627	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.260%
50) Toluene-d8	10.103	98	855390	50.049	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.100%
62) 4-Bromofluorobenzene	12.402	95	278218	50.617	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.240%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	165215	40.323	ug/l	98
3) Chloromethane	2.068	50	266135	40.103	ug/l	99
4) Vinyl Chloride	2.202	62	363406	44.300	ug/l	99
5) Bromomethane	2.592	94	281977	46.026	ug/l	100
6) Chloroethane	2.732	64	254699	46.701	ug/l	99
7) Trichlorofluoromethane	3.050	101	483079	48.430	ug/l	98
8) Diethyl Ether	3.452	74	120703	45.738	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.812	101	252101	51.229	ug/l	97
10) Methyl Iodide	4.001	142	277528	52.263	ug/l	98
11) Tert butyl alcohol	4.860	59	92663	282.687	ug/l	100
12) 1,1-Dichloroethene	3.787	96	233027	48.175	ug/l	91
13) Acrolein	3.647	56	14528	30.263	ug/l	97
14) Allyl chloride	4.379	41	301089	42.303	ug/l	97
15) Acrylonitrile	5.055	53	251451	234.369	ug/l	99
16) Acetone	3.866	43	264498	255.202	ug/l	97
17) Carbon Disulfide	4.104	76	675072	42.802	ug/l	100
18) Methyl Acetate	4.379	43	141780	45.969	ug/l	96
19) Methyl tert-butyl Ether	5.110	73	587197	46.847	ug/l	99
20) Methylene Chloride	4.610	84	260383	48.253	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	268896	49.467	ug/l	92
22) Diisopropyl ether	6.019	45	691395	44.703	ug/l	97
23) Vinyl Acetate	5.958	43	1890943	221.110	ug/l	97
24) 1,1-Dichloroethane	5.915	63	445636	47.128	ug/l	98
25) 2-Butanone	6.890	43	328435	233.002	ug/l	95
26) 2,2-Dichloropropane	6.884	77	413000	50.617	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	311495	49.568	ug/l	94
28) Bromochloromethane	7.244	49	166690	44.433	ug/l	88
29) Tetrahydrofuran	7.262	42	197018	225.488	ug/l	95
30) Chloroform	7.421	83	486225	49.858	ug/l	95
31) Cyclohexane	7.701	56	376351	42.236	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	437650	50.577	ug/l	99
36) 1,1-Dichloropropene	7.835	75	339196	52.169	ug/l	97
37) Ethyl Acetate	6.982	43	133808	48.992	ug/l	98
38) Carbon Tetrachloride	7.817	117	399879	56.625	ug/l	98
39) Methylcyclohexane	9.109	83	446127	52.105	ug/l	95
40) Benzene	8.079	78	1056329	52.712	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	70448	44.693	ug/l	86
42) 1,2-Dichloroethane	8.158	62	264455	50.741	ug/l	99
43) Isopropyl Acetate	8.195	43	262676	47.584	ug/l #	83
44) Trichloroethene	8.866	130	293893	56.751	ug/l	97
45) 1,2-Dichloropropane	9.140	63	237702	51.552	ug/l	99
46) Dibromomethane	9.231	93	143062	54.057	ug/l	95
47) Bromodichloromethane	9.420	83	370449	54.399	ug/l	100
48) Methyl methacrylate	9.219	41	125138	47.373	ug/l	91
49) 1,4-Dioxane	9.225	88	32871	1059.291	ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	721339	253.323	ug/l	97
52) Toluene	10.170	92	696413	54.717	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	321944	52.208	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	383584	52.604	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	197217	55.691	ug/l	97
56) Ethyl methacrylate	10.438	69	236734	52.242	ug/l	97
57) 1,3-Dichloropropane	10.713	76	316970	52.777	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	509076	238.166	ug/l	95
59) 2-Hexanone	10.762	43	515614	265.924	ug/l	99
60) Dibromochloromethane	10.908	129	268027	57.360	ug/l	99
61) 1,2-Dibromoethane	11.012	107	182324	54.778	ug/l	99
64) Tetrachloroethene	10.646	164	351153	60.574	ug/l	99
65) Chlorobenzene	11.438	112	764497	54.592	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	270403	56.894	ug/l	99
67) Ethyl Benzene	11.518	91	1304368	54.125	ug/l	98
68) m/p-Xylenes	11.627	106	1045655	111.095	ug/l	97
69) o-Xylene	11.956	106	488887	55.458	ug/l	98
70) Styrene	11.969	104	821418	56.978	ug/l	97
71) Bromoform	12.133	173	161672	58.202	ug/l #	98
73) Isopropylbenzene	12.255	105	1282983	53.354	ug/l	99
74) N-amyl acetate	12.066	43	237817	46.635	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.505	83	204205	49.735	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	150350m	45.725	ug/l	
77) Bromobenzene	12.530	156	311868	54.363	ug/l	93
78) n-propylbenzene	12.597	91	1526123	53.307	ug/l	98
79) 2-Chlorotoluene	12.676	91	863359	52.634	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	1040471	53.538	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	68096	50.131	ug/l	97
82) 4-Chlorotoluene	12.773	91	876364	51.501	ug/l	97
83) tert-Butylbenzene	12.999	119	962501	54.836	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	1041248	53.823	ug/l	99
85) sec-Butylbenzene	13.176	105	1399622	54.283	ug/l	99
86) p-Isopropyltoluene	13.292	119	1180590	55.162	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	616091	54.459	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	603252	53.754	ug/l	99
89) n-Butylbenzene	13.615	91	1063069	54.081	ug/l	99
90) Hexachloroethane	13.877	117	238329	54.397	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	541252	54.553	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32680	51.121	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	328929	56.062	ug/l	99
94) Hexachlorobutadiene	15.023	225	202985	58.875	ug/l	99
95) Naphthalene	15.145	128	546580	54.632	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	285279	56.426	ug/l	99

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

