

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022560.D
 Acq On : 05 Jun 2025 08:40
 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 06/06/2025
 Supervised By :Semsettin Yesilyurt 06/06/2025

Quant Time: Jun 06 01:18:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	179733	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	304462	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	260955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	122317	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	101300	50.393	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.780%	
35) Dibromofluoromethane	7.634	113	92049	50.652	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.300%	
50) Toluene-d8	10.103	98	373731	50.897	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.800%	
62) 4-Bromofluorobenzene	12.401	95	110879	50.680	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.360%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	73180	45.478	ug/l	98
3) Chloromethane	2.068	50	209833	44.140	ug/l	97
4) Vinyl Chloride	2.202	62	306210	55.525	ug/l	100
5) Bromomethane	2.592	94	226335	42.820	ug/l	97
6) Chloroethane	2.732	64	211721	55.933	ug/l	97
7) Trichlorofluoromethane	3.049	101	263558	56.295	ug/l	99
8) Diethyl Ether	3.458	74	52703	49.987	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	98139	49.771	ug/l	99
10) Methyl Iodide	4.001	142	106828	50.064	ug/l	98
11) Tert butyl alcohol	4.866	59	36776	256.143	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	95042	50.426	ug/l	98
13) Acrolein	3.653	56	33249	185.819	ug/l	99
14) Allyl chloride	4.385	41	150124	50.737	ug/l	100
15) Acrylonitrile	5.061	53	114146	255.631	ug/l	98
16) Acetone	3.866	43	106665	261.277	ug/l	99
17) Carbon Disulfide	4.104	76	301583	49.979	ug/l	99
18) Methyl Acetate	4.378	43	57619	47.661	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	267700	50.426	ug/l	100
20) Methylene Chloride	4.616	84	112007	48.300	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	107266	50.850	ug/l	93
22) Diisopropyl ether	6.018	45	339503	51.548	ug/l	99
23) Vinyl Acetate	5.957	43	997602	255.915	ug/l	98
24) 1,1-Dichloroethane	5.915	63	203201	52.371	ug/l	99
25) 2-Butanone	6.890	43	150936	256.314	ug/l	100
26) 2,2-Dichloropropane	6.884	77	180406	52.624	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	127195	52.167	ug/l	98
28) Bromochloromethane	7.244	49	87029	51.456	ug/l	99
29) Tetrahydrofuran	7.262	42	93959	247.388	ug/l	98
30) Chloroform	7.421	83	202907	52.798	ug/l	92
31) Cyclohexane	7.701	56	182358	47.209	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	180206	52.822	ug/l	99
36) 1,1-Dichloropropene	7.835	75	150530	51.037	ug/l	99
37) Ethyl Acetate	6.982	43	66850	50.825	ug/l	98
38) Carbon Tetrachloride	7.817	117	155220	51.301	ug/l	97
39) Methylcyclohexane	9.109	83	200296	50.534	ug/l	99
40) Benzene	8.079	78	456755	52.432	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	39671m	51.636	ug/l	
42) 1,2-Dichloroethane	8.158	62	122345	51.436	ug/l	100
43) Isopropyl Acetate	8.195	43	142605	50.201	ug/l	99
44) Trichloroethene	8.866	130	111833	52.526	ug/l	94
45) 1,2-Dichloropropane	9.140	63	107590	52.259	ug/l	96
46) Dibromomethane	9.231	93	59252	51.156	ug/l	99
47) Bromodichloromethane	9.420	83	155758	53.035	ug/l	93
48) Methyl methacrylate	9.219	41	66562	49.926	ug/l	99
49) 1,4-Dioxane	9.225	88	13477	982.154	ug/l	94
51) 4-Methyl-2-Pentanone	9.993	43	365027	257.736	ug/l	99
52) Toluene	10.170	92	287298	52.479	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	143649	52.202	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	168525	52.611	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	76256	51.632	ug/l	94
56) Ethyl methacrylate	10.438	69	109353	51.228	ug/l	98
57) 1,3-Dichloropropane	10.719	76	135132	51.622	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	266825	275.313	ug/l	99
59) 2-Hexanone	10.762	43	241828	255.309	ug/l	98
60) Dibromochloromethane	10.908	129	98044	52.237	ug/l	100
61) 1,2-Dibromoethane	11.018	107	68363	50.785	ug/l	99
64) Tetrachloroethene	10.646	164	125249	55.796	ug/l	97
65) Chlorobenzene	11.438	112	299502	51.865	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	102078	52.474	ug/l	99
67) Ethyl Benzene	11.517	91	560498	52.331	ug/l	99
68) m/p-Xylenes	11.627	106	424785	104.619	ug/l	100
69) o-Xylene	11.950	106	198395	52.116	ug/l	99
70) Styrene	11.969	104	333704	53.031	ug/l	98
71) Bromoform	12.133	173	51637	49.882	ug/l #	97
73) Isopropylbenzene	12.255	105	520881	51.869	ug/l	100
74) N-amyl acetate	12.066	43	128376	50.664	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	80322	48.734	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	73390m	52.446	ug/l	
77) Bromobenzene	12.529	156	108163	51.041	ug/l	99
78) n-propylbenzene	12.590	91	638606	52.065	ug/l	99
79) 2-Chlorotoluene	12.676	91	338692	52.100	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	410617	52.082	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	29279	50.528	ug/l	94
82) 4-Chlorotoluene	12.773	91	346628	51.688	ug/l	99
83) tert-Butylbenzene	12.993	119	371237	52.464	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	411000	52.122	ug/l	99
85) sec-Butylbenzene	13.176	105	564875	52.123	ug/l	100
86) p-Isopropyltoluene	13.292	119	466784	52.254	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	222516	51.825	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	216280	51.935	ug/l	100
89) n-Butylbenzene	13.615	91	457024	53.925	ug/l	100
90) Hexachloroethane	13.877	117	92555	53.221	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	188735	51.773	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12667	52.787	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	110421	55.539	ug/l	95
94) Hexachlorobutadiene	15.023	225	58400	53.219	ug/l	99
95) Naphthalene	15.145	128	206075	54.012	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	91982	53.983	ug/l	98

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

