

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022836.D
 Acq On : 25 Jun 2025 19:59
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 06/26/2025
 Supervised By : Semsettin Yesilyurt 06/26/2025

Quant Time: Jun 26 01:30:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	397871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	687449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	611099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	303499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	226147	50.927	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.860%			
35) Dibromofluoromethane	7.634	113	206323	49.351	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.700%			
50) Toluene-d8	10.103	98	829213	49.983	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.960%			
62) 4-Bromofluorobenzene	12.401	95	262600	49.240	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	149926	44.067	ug/l	97
3) Chloromethane	2.068	50	295542	45.492	ug/l	100
4) Vinyl Chloride	2.202	62	393519	48.484	ug/l	99
5) Bromomethane	2.592	94	307019	48.116	ug/l	97
6) Chloroethane	2.726	64	275540	50.504	ug/l	96
7) Trichlorofluoromethane	3.049	101	415250	46.205	ug/l	98
8) Diethyl Ether	3.452	74	109700	49.421	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	189798	46.212	ug/l	97
10) Methyl Iodide	4.001	142	233937	52.315	ug/l	100
11) Tert butyl alcohol	4.854	59	69781	236.329	ug/l	98
12) 1,1-Dichloroethene	3.781	96	194171	48.215	ug/l	99
13) Acrolein	3.647	56	103724	259.058	ug/l	99
14) Allyl chloride	4.379	41	290065	46.827	ug/l	96
15) Acrylonitrile	5.055	53	230320	248.693	ug/l	98
16) Acetone	3.866	43	169441	201.880	ug/l	97
17) Carbon Disulfide	4.098	76	628075	48.276	ug/l	99
18) Methyl Acetate	4.385	43	135419	48.720	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	548740	50.042	ug/l	100
20) Methylene Chloride	4.610	84	242637	45.776	ug/l	94
21) trans-1,2-Dichloroethene	5.110	96	226042	49.111	ug/l	95
22) Diisopropyl ether	6.012	45	681552	49.544	ug/l	99
23) Vinyl Acetate	5.951	43	1850781	243.604	ug/l	99
24) 1,1-Dichloroethane	5.909	63	411251	49.493	ug/l	100
25) 2-Butanone	6.890	43	285157	233.437	ug/l	96
26) 2,2-Dichloropropane	6.878	77	276589	39.710	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	268752	50.250	ug/l	96
28) Bromochloromethane	7.238	49	167101	47.834	ug/l	91
29) Tetrahydrofuran	7.256	42	187411	242.966	ug/l	95
30) Chloroform	7.421	83	426905	49.882	ug/l	96
31) Cyclohexane	7.695	56	339257	44.479	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	359647	48.629	ug/l	99
36) 1,1-Dichloropropene	7.835	75	295300	46.600	ug/l	99
37) Ethyl Acetate	6.982	43	129158	47.233	ug/l #	98
38) Carbon Tetrachloride	7.817	117	309824	46.337	ug/l	98
39) Methylcyclohexane	9.103	83	372262	45.394	ug/l	98
40) Benzene	8.079	78	945746	48.541	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	75036	44.573	ug/l	98
42) 1,2-Dichloroethane	8.158	62	262714	49.207	ug/l	99
43) Isopropyl Acetate	8.195	43	272686	47.980	ug/l	98
44) Trichloroethene	8.859	130	240985	49.264	ug/l	98
45) 1,2-Dichloropropane	9.140	63	219678	48.176	ug/l	95
46) Dibromomethane	9.231	93	125978	48.667	ug/l	96
47) Bromodichloromethane	9.420	83	326746	48.950	ug/l	98
48) Methyl methacrylate	9.219	41	132878	48.634	ug/l	94
49) 1,4-Dioxane	9.225	88	29679	970.450	ug/l	99
51) 4-Methyl-2-Pentanone	9.993	43	715574	247.764	ug/l	95
52) Toluene	10.164	92	609571	49.592	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	280963	46.782	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	328906	47.232	ug/l	96
55) 1,1,2-Trichloroethane	10.566	97	164581	49.101	ug/l	97
56) Ethyl methacrylate	10.432	69	225359	49.973	ug/l	96
57) 1,3-Dichloropropane	10.713	76	282282	48.270	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.707	63	547116	232.033	ug/l	97
59) 2-Hexanone	10.755	43	475008	241.911	ug/l	97
60) Dibromochloromethane	10.908	129	213725	49.364	ug/l	100
61) 1,2-Dibromoethane	11.011	107	154425	49.233	ug/l	96
64) Tetrachloroethene	10.646	164	293977	50.922	ug/l	99
65) Chlorobenzene	11.438	112	644532	48.000	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	220509	48.484	ug/l	99
67) Ethyl Benzene	11.517	91	1146519	48.597	ug/l	96
68) m/p-Xylenes	11.621	106	892156	97.824	ug/l	100
69) o-Xylene	11.950	106	424002	49.341	ug/l	100
70) Styrene	11.963	104	717258	49.829	ug/l	99
71) Bromoform	12.127	173	121895	48.134	ug/l #	100
73) Isopropylbenzene	12.249	105	1071114	47.720	ug/l	99
74) N-amyl acetate	12.066	43	245588	48.745	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.499	83	161239	44.572	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	143092m	46.182	ug/l	
77) Bromobenzene	12.529	156	245118	48.179	ug/l	98
78) n-propylbenzene	12.590	91	1284677	47.405	ug/l	98
79) 2-Chlorotoluene	12.676	91	733588	47.912	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	881685	48.659	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	50396	41.091	ug/l	98
82) 4-Chlorotoluene	12.773	91	773037	48.066	ug/l	99
83) tert-Butylbenzene	12.993	119	770461	48.214	ug/l	99
84) 1,2,4-Trimethylbenzene	13.035	105	879271	48.468	ug/l	100
85) sec-Butylbenzene	13.170	105	1155875	48.075	ug/l	99
86) p-Isopropyltoluene	13.285	119	955306	47.746	ug/l	100
87) 1,3-Dichlorobenzene	13.279	146	487424	47.703	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	478680	47.161	ug/l	100
89) n-Butylbenzene	13.609	91	868793	46.162	ug/l	98
90) Hexachloroethane	13.871	117	187650	47.088	ug/l	96
91) 1,2-Dichlorobenzene	13.651	146	424325	47.123	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	28135	45.862	ug/l	98
93) 1,2,4-Trichlorobenzene	14.913	180	222493	43.763	ug/l	98
94) Hexachlorobutadiene	15.017	225	123026	42.793	ug/l	98
95) Naphthalene	15.139	128	428508	46.609	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	195540	44.510	ug/l	99

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

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