

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022809.D
 Acq On : 24 Jun 2025 20:09
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 25 01:31:52 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	390540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	677272	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	598576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	295491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	217395	49.875	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.740%		
35) Dibromofluoromethane	7.634	113	201177	48.843	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.680%		
50) Toluene-d8	10.103	98	813004	49.743	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.480%		
62) 4-Bromofluorobenzene	12.401	95	259221	49.337	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.680%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	160022	47.917	ug/l	98
3) Chloromethane	2.062	50	290310	45.525	ug/l	100
4) Vinyl Chloride	2.196	62	403023	50.587	ug/l	100
5) Bromomethane	2.586	94	322797	51.538	ug/l	100
6) Chloroethane	2.726	64	279030	52.104	ug/l	94
7) Trichlorofluoromethane	3.043	101	444183	50.352	ug/l	96
8) Diethyl Ether	3.452	74	113473	52.080	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.812	101	197949	49.102	ug/l	98
10) Methyl Iodide	3.994	142	240685	54.835	ug/l	99
11) Tert butyl alcohol	4.854	59	68143	235.113	ug/l	97
12) 1,1-Dichloroethene	3.781	96	197115	49.864	ug/l	95
13) Acrolein	3.647	56	74508	189.582	ug/l	98
14) Allyl chloride	4.379	41	291617	47.962	ug/l	97
15) Acrylonitrile	5.055	53	224588	247.056	ug/l	99
16) Acetone	3.866	43	167413	203.208	ug/l	96
17) Carbon Disulfide	4.098	76	629437	49.289	ug/l	100
18) Methyl Acetate	4.379	43	134298	49.223	ug/l	95
19) Methyl tert-butyl Ether	5.110	73	556279	51.681	ug/l	100
20) Methylene Chloride	4.610	84	234952	45.158	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	231233	51.182	ug/l	91
22) Diisopropyl ether	6.012	45	681803	50.493	ug/l	97
23) Vinyl Acetate	5.951	43	1819609	243.997	ug/l	97
24) 1,1-Dichloroethane	5.909	63	413463	50.693	ug/l	98
25) 2-Butanone	6.890	43	269881	225.079	ug/l	97
26) 2,2-Dichloropropane	6.878	77	299156	43.756	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	271597	51.735	ug/l	96
28) Bromochloromethane	7.238	49	168438	49.122	ug/l	89
29) Tetrahydrofuran	7.256	42	184449	243.614	ug/l	97
30) Chloroform	7.415	83	429492	51.127	ug/l	94
31) Cyclohexane	7.695	56	348739	46.580	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	372906	51.369	ug/l	98
36) 1,1-Dichloropropene	7.829	75	304672	48.801	ug/l	99
37) Ethyl Acetate	6.982	43	129670	48.132	ug/l	97
38) Carbon Tetrachloride	7.811	117	319614	48.519	ug/l	98
39) Methylcyclohexane	9.103	83	390881	48.381	ug/l	98
40) Benzene	8.073	78	962290	50.133	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	72883	43.945	ug/l	97
42) 1,2-Dichloroethane	8.152	62	258701	49.183	ug/l	100
43) Isopropyl Acetate	8.195	43	266963	47.679	ug/l	95
44) Trichloroethene	8.859	130	246433	51.135	ug/l	100
45) 1,2-Dichloropropane	9.140	63	221107	49.218	ug/l	95
46) Dibromomethane	9.225	93	125126	49.064	ug/l	95
47) Bromodichloromethane	9.420	83	331653	50.432	ug/l	97
48) Methyl methacrylate	9.219	41	128638	47.790	ug/l	93
49) 1,4-Dioxane	9.225	88	29309	972.753	ug/l	92
51) 4-Methyl-2-Pentanone	9.993	43	695401	244.397	ug/l	95
52) Toluene	10.164	92	616155	50.881	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	286394	48.403	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	334160	48.707	ug/l	96
55) 1,1,2-Trichloroethane	10.566	97	165483	50.112	ug/l	96
56) Ethyl methacrylate	10.432	69	227029	51.100	ug/l	95
57) 1,3-Dichloropropane	10.713	76	288193	50.021	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	558636	239.909	ug/l	98
59) 2-Hexanone	10.755	43	459189	237.368	ug/l	96
60) Dibromochloromethane	10.908	129	216544	50.767	ug/l	99
61) 1,2-Dibromoethane	11.011	107	156701	50.709	ug/l	96
64) Tetrachloroethene	10.640	164	303985	53.757	ug/l	97
65) Chlorobenzene	11.438	112	655447	49.834	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	225843	50.696	ug/l	100
67) Ethyl Benzene	11.511	91	1170369	50.645	ug/l	99
68) m/p-Xylenes	11.621	106	911491	102.035	ug/l	99
69) o-Xylene	11.950	106	435607	51.752	ug/l	99
70) Styrene	11.963	104	736022	52.203	ug/l	99
71) Bromoform	12.127	173	121014	48.786	ug/l #	98
73) Isopropylbenzene	12.249	105	1111091	50.843	ug/l	99
74) N-amyl acetate	12.066	43	242951	49.528	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.499	83	159716	45.347	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	138962m	46.064	ug/l	
77) Bromobenzene	12.530	156	251197	50.712	ug/l	97
78) n-propylbenzene	12.590	91	1337690	50.699	ug/l	98
79) 2-Chlorotoluene	12.676	91	751950	50.442	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	908287	51.486	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	50077	41.938	ug/l	96
82) 4-Chlorotoluene	12.773	91	792196	50.593	ug/l	99
83) tert-Butylbenzene	12.993	119	798715	51.337	ug/l	98
84) 1,2,4-Trimethylbenzene	13.036	105	909225	51.478	ug/l	100
85) sec-Butylbenzene	13.170	105	1202578	51.372	ug/l	99
86) p-Isopropyltoluene	13.285	119	1006207	51.652	ug/l	100
87) 1,3-Dichlorobenzene	13.279	146	499609	50.221	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	489113	49.495	ug/l	99
89) n-Butylbenzene	13.609	91	914049	49.883	ug/l	98
90) Hexachloroethane	13.877	117	195813	50.468	ug/l	94
91) 1,2-Dichlorobenzene	13.651	146	435127	49.633	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	27949	46.794	ug/l	96
93) 1,2,4-Trichlorobenzene	14.913	180	234020	47.278	ug/l	97
94) Hexachlorobutadiene	15.017	225	129428	46.240	ug/l	99
95) Naphthalene	15.139	128	441045	49.272	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	201358	47.076	ug/l	99

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

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