

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061225\
 Data File : VY022666.D
 Acq On : 12 Jun 2025 11:44
 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 06/13/2025
 Supervised By :Semsettin Yesilyurt 06/13/2025

Quant Time: Jun 13 07:03:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	174221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	287160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	243793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	117199	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96101	49.319	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.640%		
35) Dibromofluoromethane	7.628	113	91230	53.226	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	106.460%		
50) Toluene-d8	10.103	98	374091	54.015	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	108.040%		
62) 4-Bromofluorobenzene	12.402	95	109173	52.907	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	105.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	76688	49.165	ug/l	96
3) Chloromethane	2.068	50	197549	42.871	ug/l	99
4) Vinyl Chloride	2.196	62	309232	57.847	ug/l	99
5) Bromomethane	2.586	94	236312	46.122	ug/l	98
6) Chloroethane	2.726	64	211015	57.510	ug/l	98
7) Trichlorofluoromethane	3.043	101	295467	65.108	ug/l	98
8) Diethyl Ether	3.446	74	49409	48.345	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.806	101	93438	48.886	ug/l	99
10) Methyl Iodide	3.994	142	101025	48.842	ug/l	99
11) Tert butyl alcohol	4.854	59	32532	233.752	ug/l	100
12) 1,1-Dichloroethene	3.781	96	92881	50.838	ug/l	100
13) Acrolein	3.647	56	19885	114.647	ug/l	99
14) Allyl chloride	4.379	41	129611	45.190	ug/l	97
15) Acrylonitrile	5.055	53	101084	233.541	ug/l	98
16) Acetone	3.866	43	121641	307.387	ug/l	92
17) Carbon Disulfide	4.098	76	270252	46.203	ug/l	99
18) Methyl Acetate	4.385	43	51773	44.181	ug/l	95
19) Methyl tert-butyl Ether	5.110	73	243878	47.393	ug/l	97
20) Methylene Chloride	4.610	84	112010	49.830	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	101396	49.588	ug/l	98
22) Diisopropyl ether	6.012	45	299230	46.871	ug/l	99
23) Vinyl Acetate	5.951	43	854879	226.240	ug/l	99
24) 1,1-Dichloroethane	5.909	63	187772	49.926	ug/l	99
25) 2-Butanone	6.890	43	148051	259.369	ug/l	98
26) 2,2-Dichloropropane	6.878	77	170678	51.361	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	120611	51.032	ug/l	100
28) Bromochloromethane	7.238	49	79726	48.629	ug/l	98
29) Tetrahydrofuran	7.256	42	80429	218.464	ug/l	94
30) Chloroform	7.415	83	190185	51.053	ug/l	93
31) Cyclohexane	7.695	56	168373	44.968	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	167695	50.710	ug/l	98
36) 1,1-Dichloropropene	7.835	75	143033	51.417	ug/l	100
37) Ethyl Acetate	6.976	43	56587	45.614	ug/l	97
38) Carbon Tetrachloride	7.817	117	149646	52.438	ug/l	97
39) Methylcyclohexane	9.103	83	187793	50.234	ug/l	96
40) Benzene	8.079	78	422943	51.476	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	32534m	44.898	ug/l	
42) 1,2-Dichloroethane	8.152	62	108355	48.299	ug/l	99
43) Isopropyl Acetate	8.195	43	123007	45.911	ug/l	99
44) Trichloroethene	8.866	130	106977	53.272	ug/l	96
45) 1,2-Dichloropropane	9.140	63	99933	51.464	ug/l	99
46) Dibromomethane	9.231	93	55247	50.572	ug/l	99
47) Bromodichloromethane	9.420	83	142396	51.406	ug/l	95
48) Methyl methacrylate	9.219	41	56873	45.229	ug/l	94
49) 1,4-Dioxane	9.225	88	12505	966.227	ug/l	91
51) 4-Methyl-2-Pentanone	9.993	43	314268	235.266	ug/l	96
52) Toluene	10.170	92	268369	51.975	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	128660	49.572	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	155594	51.500	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	71066	51.017	ug/l	96
56) Ethyl methacrylate	10.438	69	98538	48.943	ug/l	98
57) 1,3-Dichloropropane	10.713	76	123051	49.840	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	240148	262.717	ug/l	99
59) 2-Hexanone	10.755	43	228530	255.807	ug/l	97
60) Dibromochloromethane	10.908	129	90591	51.174	ug/l	99
61) 1,2-Dibromoethane	11.012	107	63573	50.072	ug/l	98
64) Tetrachloroethene	10.646	164	126653	60.393	ug/l	99
65) Chlorobenzene	11.438	112	282664	52.395	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	94057	51.754	ug/l	98
67) Ethyl Benzene	11.518	91	521092	52.077	ug/l	99
68) m/p-Xylenes	11.627	106	401423	105.825	ug/l	100
69) o-Xylene	11.950	106	186406	52.414	ug/l	98
70) Styrene	11.969	104	309057	52.572	ug/l	99
71) Bromoform	12.127	173	48808	50.468	ug/l #	99
73) Isopropylbenzene	12.249	105	500799	52.047	ug/l	99
74) N-amyl acetate	12.066	43	113452	46.730	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	70691	44.763	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	63927m	47.678	ug/l	
77) Bromobenzene	12.530	156	103395	50.921	ug/l	96
78) n-propylbenzene	12.591	91	599577	51.018	ug/l	99
79) 2-Chlorotoluene	12.676	91	309774	49.733	ug/l	97
80) 1,3,5-Trimethylbenzene	12.731	105	386613	51.179	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	25221	45.426	ug/l	93
82) 4-Chlorotoluene	12.773	91	315622	49.120	ug/l	96
83) tert-Butylbenzene	12.993	119	358940	52.941	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	385619	51.039	ug/l	98
85) sec-Butylbenzene	13.170	105	538352	51.845	ug/l	100
86) p-Isopropyltoluene	13.292	119	448064	52.349	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	212743	51.713	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	205120	51.407	ug/l	99
89) n-Butylbenzene	13.615	91	427683	52.667	ug/l	100
90) Hexachloroethane	13.877	117	85212	51.138	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	177953	50.947	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11735	51.038	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	99241	52.095	ug/l	96
94) Hexachlorobutadiene	15.017	225	52969	50.378	ug/l	100
95) Naphthalene	15.139	128	182025	49.792	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	80886	49.544	ug/l	98

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

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