

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022785.D
 Acq On : 24 Jun 2025 09:20
 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 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 25 01:19:53 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	480569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	788269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	678315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	340335	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	261283	48.714	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.420%		
35) Dibromofluoromethane	7.634	113	244214	50.943	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.880%		
50) Toluene-d8	10.103	98	966354	50.800	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.600%		
62) 4-Bromofluorobenzene	12.402	95	304692	49.825	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.660%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	187605	45.653	ug/l	99
3) Chloromethane	2.068	50	352218	44.886	ug/l	98
4) Vinyl Chloride	2.202	62	447496	45.647	ug/l	100
5) Bromomethane	2.592	94	333794	43.310	ug/l	99
6) Chloroethane	2.733	64	300761	45.640	ug/l	96
7) Trichlorofluoromethane	3.050	101	491670	45.294	ug/l	98
8) Diethyl Ether	3.452	74	128537	47.942	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	241549	48.692	ug/l	98
10) Methyl Iodide	4.001	142	277717	51.418	ug/l	99
11) Tert butyl alcohol	4.854	59	84161	235.981	ug/l	98
12) 1,1-Dichloroethene	3.787	96	234897	48.290	ug/l	98
13) Acrolein	3.647	56	107203	221.672	ug/l	99
14) Allyl chloride	4.379	41	368419	49.242	ug/l	95
15) Acrylonitrile	5.049	53	275688	246.454	ug/l	99
16) Acetone	3.867	43	299043	294.982	ug/l	97
17) Carbon Disulfide	4.104	76	771483	49.095	ug/l	100
18) Methyl Acetate	4.385	43	142156	42.343	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	647481	48.885	ug/l	100
20) Methylene Chloride	4.610	84	277358	43.322	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	268610	48.317	ug/l	97
22) Diisopropyl ether	6.012	45	819092	49.296	ug/l	99
23) Vinyl Acetate	5.958	43	2377985	259.134	ug/l	99
24) 1,1-Dichloroethane	5.909	63	490905	48.913	ug/l	100
25) 2-Butanone	6.890	43	382848	259.477	ug/l	100
26) 2,2-Dichloropropane	6.884	77	432416	51.399	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	313435	48.520	ug/l	100
28) Bromochloromethane	7.244	49	210301	49.841	ug/l	95
29) Tetrahydrofuran	7.262	42	230217	247.100	ug/l	99
30) Chloroform	7.421	83	502331	48.595	ug/l	95
31) Cyclohexane	7.701	56	432130	46.906	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	434321	48.620	ug/l	98
36) 1,1-Dichloropropene	7.835	75	364003	50.094	ug/l	99
37) Ethyl Acetate	6.982	43	161101	51.379	ug/l	96
38) Carbon Tetrachloride	7.817	117	381526	49.762	ug/l	97
39) Methylcyclohexane	9.110	83	474467	50.457	ug/l	99
40) Benzene	8.079	78	1111272	49.742	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	88474	45.834	ug/l	95
42) 1,2-Dichloroethane	8.158	62	308508	50.394	ug/l	98
43) Isopropyl Acetate	8.195	43	327988	50.329	ug/l	99
44) Trichloroethene	8.866	130	273386	48.740	ug/l	97
45) 1,2-Dichloropropane	9.140	63	261237	49.962	ug/l	96
46) Dibromomethane	9.231	93	144951	48.835	ug/l	96
47) Bromodichloromethane	9.420	83	381786	49.881	ug/l	99
48) Methyl methacrylate	9.219	41	164236	52.423	ug/l	95
49) 1,4-Dioxane	9.231	88	33567	957.200	ug/l	98
51) 4-Methyl-2-Pentanone	9.993	43	844784	255.091	ug/l	96
52) Toluene	10.170	92	700747	49.718	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	347407	50.447	ug/l	95
54) cis-1,3-Dichloropropene	9.853	75	403676	50.555	ug/l	98
55) 1,1,2-Trichloroethane	10.567	97	192974	50.208	ug/l	98
56) Ethyl methacrylate	10.439	69	262082	50.683	ug/l	96
57) 1,3-Dichloropropane	10.713	76	332030	49.515	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	665133	245.063	ug/l	99
59) 2-Hexanone	10.756	43	590744	262.373	ug/l	98
60) Dibromochloromethane	10.908	129	248320	50.019	ug/l	99
61) 1,2-Dibromoethane	11.012	107	178176	49.540	ug/l	97
64) Tetrachloroethene	10.646	164	299261	46.701	ug/l	97
65) Chlorobenzene	11.438	112	746746	50.101	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.512	131	254204	50.354	ug/l	100
67) Ethyl Benzene	11.518	91	1350768	51.580	ug/l	98
68) m/p-Xylenes	11.627	106	1041613	102.894	ug/l	100
69) o-Xylene	11.950	106	487801	51.140	ug/l	100
70) Styrene	11.969	104	823388	51.534	ug/l	100
71) Bromoform	12.127	173	138710	49.346	ug/l #	98
73) Isopropylbenzene	12.249	105	1260842	50.093	ug/l	99
74) N-amyl acetate	12.066	43	293683	51.982	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	208754	51.461	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	172364m	49.608	ug/l	
77) Bromobenzene	12.530	156	278554	48.825	ug/l	99
78) n-propylbenzene	12.591	91	1551740	51.062	ug/l	98
79) 2-Chlorotoluene	12.676	91	861726	50.189	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	1034655	50.921	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	69771	50.732	ug/l	98
82) 4-Chlorotoluene	12.773	91	896321	49.700	ug/l	100
83) tert-Butylbenzene	12.993	119	904947	50.501	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	1040633	51.154	ug/l	100
85) sec-Butylbenzene	13.170	105	1372848	50.919	ug/l	99
86) p-Isopropyltoluene	13.286	119	1152956	51.387	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	573618	50.062	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	560298	49.228	ug/l	100
89) n-Butylbenzene	13.615	91	1081730	51.255	ug/l	99
90) Hexachloroethane	13.877	117	224152	50.160	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	492169	48.742	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	32892	47.813	ug/l	97
93) 1,2,4-Trichlorobenzene	14.913	180	274743	48.191	ug/l	99
94) Hexachlorobutadiene	15.017	225	156435	48.524	ug/l	97
95) Naphthalene	15.139	128	501125	48.608	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	235416	47.786	ug/l	98

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

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