

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023137.D
 Acq On : 19 Aug 2025 09:11
 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 : John Carlone 08/20/2025
 Supervised By : Mahesh Dadoda 08/20/2025

Quant Time: Aug 20 01:22:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	560294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	876189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	761785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	392533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	241668	45.256	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.520%		
35) Dibromofluoromethane	7.634	113	256133	48.854	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.700%		
50) Toluene-d8	10.109	98	1008048	49.217	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.440%		
62) 4-Bromofluorobenzene	12.401	95	326827	49.618	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	190057	41.557	ug/l	98
3) Chloromethane	2.074	50	316334	42.705	ug/l	99
4) Vinyl Chloride	2.208	62	416548	45.491	ug/l	100
5) Bromomethane	2.598	94	324698	47.481	ug/l	99
6) Chloroethane	2.739	64	284191	46.683	ug/l	100
7) Trichlorofluoromethane	3.056	101	508922	45.708	ug/l	100
8) Diethyl Ether	3.458	74	135802	46.102	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	266790	48.569	ug/l	99
10) Methyl Iodide	4.007	142	325506	54.916	ug/l	98
11) Tert butyl alcohol	4.866	59	79834	218.191	ug/l	99
12) 1,1-Dichloroethene	3.793	96	267212	49.491	ug/l	90
13) Acrolein	3.653	56	60662	113.207	ug/l	93
14) Allyl chloride	4.385	41	361978	45.563	ug/l	96
15) Acrylonitrile	5.061	53	279904	233.725	ug/l	99
16) Acetone	3.866	43	316768	273.812	ug/l	99
17) Carbon Disulfide	4.110	76	811887	46.117	ug/l	100
18) Methyl Acetate	4.385	43	147420	42.821	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	679197	48.545	ug/l	99
20) Methylene Chloride	4.616	84	287656	47.727	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	299764	49.404	ug/l	96
22) Diisopropyl ether	6.025	45	825090	47.793	ug/l	99
23) Vinyl Acetate	5.964	43	2298296	240.761	ug/l	100
24) 1,1-Dichloroethane	5.921	63	508733	48.199	ug/l	99
25) 2-Butanone	6.896	43	384462	244.351	ug/l	97
26) 2,2-Dichloropropane	6.890	77	468257	51.414	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	351019	50.042	ug/l	98
28) Bromochloromethane	7.244	49	186381	44.509	ug/l	95
29) Tetrahydrofuran	7.262	42	221133	226.737	ug/l	96
30) Chloroform	7.421	83	536519	49.287	ug/l	95
31) Cyclohexane	7.701	56	460210	46.269	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	483961	50.106	ug/l	100
36) 1,1-Dichloropropene	7.835	75	395952	50.818	ug/l	99
37) Ethyl Acetate	6.988	43	157126	48.006	ug/l	99
38) Carbon Tetrachloride	7.817	117	436510	51.581	ug/l	99
39) Methylcyclohexane	9.109	83	531826	51.832	ug/l	97
40) Benzene	8.079	78	1210380	50.401	ug/l	100

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41) Methacrylonitrile	7.219	41	88337m	46.765	ug/l	
42) 1,2-Dichloroethane	8.158	62	300070	48.044	ug/l	100
43) Isopropyl Acetate	8.201	43	308955	46.703	ug/l #	84
44) Trichloroethene	8.866	130	319381	51.463	ug/l	100
45) 1,2-Dichloropropane	9.146	63	276520	50.044	ug/l	97
46) Dibromomethane	9.231	93	157422	49.637	ug/l	99
47) Bromodichloromethane	9.426	83	406246	49.781	ug/l	97
48) Methyl methacrylate	9.219	41	152020	48.023	ug/l	97
49) 1,4-Dioxane	9.231	88	34759	934.713	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	822061	240.906	ug/l	98
52) Toluene	10.170	92	788070	51.669	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	377708	51.112	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	441435	50.516	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	213063	50.206	ug/l	97
56) Ethyl methacrylate	10.438	69	276182	50.859	ug/l	99
57) 1,3-Dichloropropane	10.719	76	354628	49.273	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	622022	242.835	ug/l	97
59) 2-Hexanone	10.762	43	592202	254.865	ug/l	98
60) Dibromochloromethane	10.914	129	285374	50.963	ug/l	99
61) 1,2-Dibromoethane	11.018	107	201073	50.411	ug/l	100
64) Tetrachloroethene	10.646	164	342427	50.340	ug/l	98
65) Chlorobenzene	11.444	112	858367	52.238	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	295011	52.900	ug/l	99
67) Ethyl Benzene	11.517	91	1494465	52.850	ug/l	99
68) m/p-Xylenes	11.627	106	1186104	107.397	ug/l	98
69) o-Xylene	11.956	106	557951	53.940	ug/l	100
70) Styrene	11.969	104	930498	55.007	ug/l	98
71) Bromoform	12.133	173	166298	51.022	ug/l	99
73) Isopropylbenzene	12.255	105	1455261	52.528	ug/l	99
74) N-amyl acetate	12.072	43	285441	48.584	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	230085	48.639	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	165292m	43.632	ug/l	
77) Bromobenzene	12.529	156	336874	50.968	ug/l	97
78) n-propylbenzene	12.597	91	1741756	52.806	ug/l	99
79) 2-Chlorotoluene	12.676	91	975057	51.594	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1191826	53.229	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	77577	49.570	ug/l	98
82) 4-Chlorotoluene	12.773	91	1000547	51.036	ug/l	99
83) tert-Butylbenzene	12.993	119	1091125	53.956	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	1191535	53.459	ug/l	100
85) sec-Butylbenzene	13.176	105	1594423	53.673	ug/l	100
86) p-Isopropyltoluene	13.292	119	1357746	55.063	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	680781	52.231	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	663039	51.281	ug/l	99
89) n-Butylbenzene	13.615	91	1231645	54.384	ug/l	99
90) Hexachloroethane	13.877	117	264268	52.354	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	588570	51.489	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	34676	47.081	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	345818	51.158	ug/l	99
94) Hexachlorobutadiene	15.023	225	202124	50.885	ug/l	99
95) Naphthalene	15.145	128	590257	51.208	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	288433	49.517	ug/l	99

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

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