

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102925\
 Data File : VY023618.D
 Acq On : 29 Oct 2025 14:42
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/30/2025
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 03:16:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	476970	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	703352	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	615765	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	329887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	193566	48.531	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.060%		
35) Dibromofluoromethane	7.634	113	219054	50.686	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.380%		
50) Toluene-d8	10.109	98	795589	49.432	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.860%		
62) 4-Bromofluorobenzene	12.407	95	269000	50.624	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.240%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	141793	41.301	ug/l	99
3) Chloromethane	2.074	50	199139	42.579	ug/l	100
4) Vinyl Chloride	2.208	62	272149	44.676	ug/l	100
5) Bromomethane	2.604	94	221216	43.274	ug/l	98
6) Chloroethane	2.738	64	200932	48.390	ug/l	98
7) Trichlorofluoromethane	3.062	101	394119	46.597	ug/l	97
8) Diethyl Ether	3.458	74	108451	49.070	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.824	101	224707	51.197	ug/l	100
10) Methyl Iodide	4.013	142	289459	59.241	ug/l	99
11) Tert butyl alcohol	4.854	59	58645	197.644	ug/l	100
12) 1,1-Dichloroethene	3.799	96	213999	50.297	ug/l	93
13) Acrolein	3.659	56	21699	51.754	ug/l	100
14) Allyl chloride	4.391	41	276523	53.329	ug/l	99
15) Acrylonitrile	5.061	53	212406	251.128	ug/l	99
16) Acetone	3.866	43	206520	217.496	ug/l	96
17) Carbon Disulfide	4.110	76	557110	45.750	ug/l	100
18) Methyl Acetate	4.391	43	148122	59.467	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	539072	52.717	ug/l	98
20) Methylene Chloride	4.622	84	249295	48.553	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	243969	52.082	ug/l	93
22) Diisopropyl ether	6.018	45	642860	56.049	ug/l	97
23) Vinyl Acetate	5.963	43	1582604	254.919	ug/l	99
24) 1,1-Dichloroethane	5.921	63	411638	54.180	ug/l	98
25) 2-Butanone	6.896	43	271384	234.107	ug/l	98
26) 2,2-Dichloropropane	6.890	77	386352	55.419	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	298868	55.234	ug/l	98
28) Bromochloromethane	7.244	49	138736	48.915	ug/l	96
29) Tetrahydrofuran	7.262	42	162848	247.728	ug/l	99
30) Chloroform	7.427	83	462037	55.351	ug/l	97
31) Cyclohexane	7.707	56	317795	47.897	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	407489	53.717	ug/l	99
36) 1,1-Dichloropropene	7.835	75	304531	53.225	ug/l	98
37) Ethyl Acetate	6.988	43	114840	50.663	ug/l	98
38) Carbon Tetrachloride	7.823	117	365938	52.746	ug/l	98
39) Methylcyclohexane	9.109	83	381493	51.210	ug/l	97
40) Benzene	8.085	78	979797	54.073	ug/l	99

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41) Methacrylonitrile	7.225	41	54284	44.280	ug/l	90
42) 1,2-Dichloroethane	8.158	62	244832	52.392	ug/l	100
43) Isopropyl Acetate	8.201	43	225179	49.820	ug/l	99
44) Trichloroethene	8.865	130	276915	52.214	ug/l	98
45) 1,2-Dichloropropane	9.146	63	221229	55.277	ug/l	98
46) Dibromomethane	9.231	93	133596	52.790	ug/l	97
47) Bromodichloromethane	9.426	83	351335	55.122	ug/l	99
48) Methyl methacrylate	9.219	41	111828	52.664	ug/l	99
49) 1,4-Dioxane	9.231	88	27802	947.521	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	604422	258.822	ug/l	100
52) Toluene	10.170	92	638729	54.291	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	295823	53.378	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	356492	54.502	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	182072	53.501	ug/l	98
56) Ethyl methacrylate	10.444	69	208090	53.008	ug/l	99
57) 1,3-Dichloropropane	10.719	76	289927	53.763	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	485065	275.829	ug/l	98
59) 2-Hexanone	10.761	43	419590	251.418	ug/l	99
60) Dibromochloromethane	10.914	129	253682	53.168	ug/l	99
61) 1,2-Dibromoethane	11.017	107	167293	51.545	ug/l	100
64) Tetrachloroethene	10.646	164	325898	51.258	ug/l	96
65) Chlorobenzene	11.444	112	713000	53.238	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	260944	54.677	ug/l	98
67) Ethyl Benzene	11.517	91	1199527	55.332	ug/l	99
68) m/p-Xylenes	11.627	106	967872	111.311	ug/l	99
69) o-Xylene	11.956	106	452479	55.479	ug/l	98
70) Styrene	11.968	104	752970	56.142	ug/l	99
71) Bromoform	12.133	173	152886	51.645	ug/l #	98
73) Isopropylbenzene	12.255	105	1185167	54.516	ug/l	99
74) N-amyl acetate	12.072	43	187801	48.095	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	177958	50.048	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	138572m	47.611	ug/l	
77) Bromobenzene	12.529	156	296117	51.235	ug/l	99
78) n-propylbenzene	12.596	91	1377812	54.767	ug/l	100
79) 2-Chlorotoluene	12.682	91	797129	54.108	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	967845	55.093	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	58727	49.480	ug/l	98
82) 4-Chlorotoluene	12.779	91	817766	53.898	ug/l	100
83) tert-Butylbenzene	12.999	119	879773	54.239	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	966218	55.111	ug/l	99
85) sec-Butylbenzene	13.176	105	1274124	54.759	ug/l	99
86) p-Isopropyltoluene	13.291	119	1090816	55.062	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	582945	51.796	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	564949	50.825	ug/l	100
89) n-Butylbenzene	13.615	91	938550	54.372	ug/l	99
90) Hexachloroethane	13.877	117	217614	51.072	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	502043	50.880	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	26441	45.320	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	297494	48.362	ug/l	99
94) Hexachlorobutadiene	15.023	225	188178	49.074	ug/l	99
95) Naphthalene	15.145	128	449203	45.858	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	249518	46.829	ug/l	99

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

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