

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101425\
 Data File : VY023468.D
 Acq On : 14 Oct 2025 17:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025

Quant Time: Oct 15 03:32:23 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	545255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	804264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	721444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	388934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	216139	47.404	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.800%		
35) Dibromofluoromethane	7.640	113	247016	49.985	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.960%		
50) Toluene-d8	10.109	98	907867	49.330	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.660%		
62) 4-Bromofluorobenzene	12.402	95	304256	50.075	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	161665	41.192	ug/l	99
3) Chloromethane	2.074	50	226559	42.376	ug/l	99
4) Vinyl Chloride	2.208	62	299108	42.952	ug/l	100
5) Bromomethane	2.599	94	259768	44.451	ug/l	98
6) Chloroethane	2.739	64	214462	45.180	ug/l	99
7) Trichlorofluoromethane	3.062	101	425022	43.957	ug/l	98
8) Diethyl Ether	3.458	74	120214	47.580	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	235949	47.026	ug/l	100
10) Methyl Iodide	4.013	142	299707	53.657	ug/l	100
11) Tert butyl alcohol	4.860	59	68272	201.273	ug/l	99
12) 1,1-Dichloroethene	3.793	96	230075	47.304	ug/l	96
13) Acrolein	3.653	56	62906	131.246	ug/l	98
14) Allyl chloride	4.391	41	270067	45.561	ug/l	97
15) Acrylonitrile	5.061	53	227050	234.824	ug/l	100
16) Acetone	3.873	43	216475	199.429	ug/l	98
17) Carbon Disulfide	4.110	76	641797	46.104	ug/l	100
18) Methyl Acetate	4.391	43	141856	49.819	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	585359	50.074	ug/l	97
20) Methylene Chloride	4.623	84	268309	45.712	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	260991	48.739	ug/l	98
22) Diisopropyl ether	6.025	45	634721	48.409	ug/l	99
23) Vinyl Acetate	5.964	43	1644848	231.765	ug/l	98
24) 1,1-Dichloroethane	5.921	63	419473	48.297	ug/l	98
25) 2-Butanone	6.897	43	282573	213.232	ug/l	98
26) 2,2-Dichloropropane	6.890	77	373616	46.880	ug/l	98
27) cis-1,2-Dichloroethene	6.897	96	310410	50.183	ug/l	96
28) Bromochloromethane	7.250	49	145920	45.004	ug/l	97
29) Tetrahydrofuran	7.268	42	170602	227.022	ug/l	95
30) Chloroform	7.427	83	475049	49.783	ug/l	99
31) Cyclohexane	7.707	56	331042	43.645	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	424106	48.906	ug/l	99
36) 1,1-Dichloropropene	7.841	75	318265	48.646	ug/l	99
37) Ethyl Acetate	6.988	43	121484	46.870	ug/l	98
38) Carbon Tetrachloride	7.823	117	390162	49.182	ug/l	98
39) Methylcyclohexane	9.110	83	411835	48.346	ug/l	99
40) Benzene	8.085	78	1013207	48.901	ug/l	98

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41) Methacrylonitrile	7.220	41	63797	45.510	ug/l	96
42) 1,2-Dichloroethane	8.159	62	255368	47.790	ug/l	99
43) Isopropyl Acetate	8.201	43	243368	47.088	ug/l	96
44) Trichloroethene	8.872	130	299058	49.314	ug/l	97
45) 1,2-Dichloropropane	9.146	63	227266	49.660	ug/l	98
46) Dibromomethane	9.238	93	144685	49.998	ug/l	99
47) Bromodichloromethane	9.427	83	363090	49.819	ug/l	100
48) Methyl methacrylate	9.225	41	114511	47.162	ug/l	93
49) 1,4-Dioxane	9.231	88	31106	927.110	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	650377	243.557	ug/l	99
52) Toluene	10.170	92	684737	50.899	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	318873	50.318	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	373267	49.906	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	198639	51.045	ug/l	98
56) Ethyl methacrylate	10.439	69	236325	52.647	ug/l	96
57) 1,3-Dichloropropane	10.719	76	309756	50.233	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	588106	292.462	ug/l	99
59) 2-Hexanone	10.762	43	445272	233.330	ug/l	98
60) Dibromochloromethane	10.914	129	282498	51.779	ug/l	100
61) 1,2-Dibromoethane	11.018	107	189410	51.037	ug/l	100
64) Tetrachloroethene	10.646	164	379756	50.979	ug/l	98
65) Chlorobenzene	11.444	112	771333	49.158	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	275870	49.337	ug/l	99
67) Ethyl Benzene	11.518	91	1277745	50.307	ug/l	100
68) m/p-Xylenes	11.627	106	1034698	101.566	ug/l	99
69) o-Xylene	11.957	106	486384	50.901	ug/l	99
70) Styrene	11.969	104	823179	52.386	ug/l	99
71) Bromoform	12.133	173	175516	50.604	ug/l #	99
73) Isopropylbenzene	12.255	105	1255882	48.998	ug/l	100
74) N-amyl acetate	12.072	43	209006	45.399	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	194885	46.488	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	150915m	43.980	ug/l	
77) Bromobenzene	12.530	156	322980	47.399	ug/l	99
78) n-propylbenzene	12.597	91	1450372	48.899	ug/l	100
79) 2-Chlorotoluene	12.676	91	830007	47.786	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1021663	49.327	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	65028	46.471	ug/l	97
82) 4-Chlorotoluene	12.780	91	865243	48.370	ug/l	100
83) tert-Butylbenzene	12.999	119	936422	48.967	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1023227	49.502	ug/l	100
85) sec-Butylbenzene	13.176	105	1342625	48.943	ug/l	100
86) p-Isopropyltoluene	13.292	119	1153641	49.393	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	624270	47.047	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	610757	46.604	ug/l	100
89) n-Butylbenzene	13.615	91	1002264	49.248	ug/l	99
90) Hexachloroethane	13.877	117	243293	48.430	ug/l	95
91) 1,2-Dichlorobenzene	13.658	146	551172	47.378	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	31362	45.594	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	334394	46.107	ug/l	100
94) Hexachlorobutadiene	15.023	225	204964	45.337	ug/l	98
95) Naphthalene	15.145	128	614826	53.237	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	291042	46.330	ug/l	99

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

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