

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
 Data File : VY023384.D
 Acq On : 07 Oct 2025 09:17
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Oct 08 04:39:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 04:39:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	585717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	882488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	753398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	378104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	26670	5.258	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.520%#		
35) Dibromofluoromethane	7.634	113	27455	5.126	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.260%#		
50) Toluene-d8	10.103	98	99905	4.946	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.900%#		
62) 4-Bromofluorobenzene	12.401	95	35355	5.548	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	11.100%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	23245	5.038	ug/l	92
3) Chloromethane	2.074	50	30346	4.627	ug/l	94
4) Vinyl Chloride	2.202	62	38657	4.668	ug/l	95
5) Bromomethane	2.598	94	35214	5.184	ug/l	94
6) Chloroethane	2.732	64	25848	4.597	ug/l	98
7) Trichlorofluoromethane	3.055	101	51797	4.869	ug/l	98
8) Diethyl Ether	3.452	74	14079	5.060	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	28368	4.989	ug/l	99
10) Methyl Iodide	4.007	142	23692	3.606	ug/l	99
11) Tert butyl alcohol	4.854	59	9774	32.746	ug/l #	80
12) 1,1-Dichloroethene	3.787	96	26290	4.806	ug/l	94
13) Acrolein	3.653	56	13176	26.054	ug/l	100
14) Allyl chloride	4.385	41	31614	4.616	ug/l	98
15) Acrylonitrile	5.055	53	25891	23.754	ug/l	99
16) Acetone	3.866	43	37573	32.940	ug/l	96
17) Carbon Disulfide	4.104	76	75645	4.432	ug/l	99
18) Methyl Acetate	4.391	43	14279	4.926	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	58919	4.600	ug/l	95
20) Methylene Chloride	4.616	84	36598	5.917	ug/l	100
21) trans-1,2-Dichloroethene	5.110	96	28923	4.754	ug/l	99
22) Diisopropyl ether	6.018	45	64833	4.269	ug/l	94
23) Vinyl Acetate	5.964	43	173851	20.824	ug/l	99
24) 1,1-Dichloroethane	5.909	63	46850	4.679	ug/l	100
25) 2-Butanone	6.890	43	38990	27.656	ug/l	93
26) 2,2-Dichloropropane	6.884	77	44062	4.953	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	31743	4.600	ug/l	98
28) Bromochloromethane	7.244	49	19445	5.006	ug/l	99
29) Tetrahydrofuran	7.262	42	19296	23.059	ug/l	98
30) Chloroform	7.421	83	51887	4.806	ug/l	97
31) Cyclohexane	7.707	56	46675	5.279	ug/l #	79
32) 1,1,1-Trichloroethane	7.616	97	47305	4.881	ug/l	99
36) 1,1-Dichloropropene	7.835	75	34888	4.617	ug/l	98
37) Ethyl Acetate	6.982	43	13082	4.379	ug/l #	93
38) Carbon Tetrachloride	7.817	117	42654	4.859	ug/l	95
39) Methylcyclohexane	9.109	83	43329	4.479	ug/l	98
40) Benzene	8.079	78	110551	4.693	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	7226m	4.658	ug/l	
42) 1,2-Dichloroethane	8.158	62	28940	4.828	ug/l	100
43) Isopropyl Acetate	8.201	43	26166	4.503	ug/l	99
44) Trichloroethene	8.859	130	33564	5.077	ug/l	99
45) 1,2-Dichloropropane	9.140	63	24358	4.595	ug/l	92
46) Dibromomethane	9.231	93	15179	4.682	ug/l	97
47) Bromodichloromethane	9.420	83	38813	4.756	ug/l	93
48) Methyl methacrylate	9.219	41	11038	4.071	ug/l	98
49) 1,4-Dioxane	9.219	88	3255	96.953	ug/l #	86
51) 4-Methyl-2-Pentanone	9.999	43	62279	20.925	ug/l	98
52) Toluene	10.170	92	68550	4.585	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	31477	4.491	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	37392	4.463	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	20641	4.786	ug/l	97
56) Ethyl methacrylate	10.438	69	19324	3.891	ug/l	94
57) 1,3-Dichloropropane	10.719	76	31831	4.560	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.713	63	41054m	18.894	ug/l	
59) 2-Hexanone	10.761	43	47778	23.185	ug/l	97
60) Dibromochloromethane	10.908	129	28135	4.783	ug/l	97
61) 1,2-Dibromoethane	11.017	107	18957	4.673	ug/l	97
64) Tetrachloroethene	10.646	164	40570	5.383	ug/l	98
65) Chlorobenzene	11.444	112	81802	4.997	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	29222	5.075	ug/l	97
67) Ethyl Benzene	11.517	91	121005	4.529	ug/l	99
68) m/p-Xylenes	11.633	106	95176	8.887	ug/l	100
69) o-Xylene	11.956	106	44280	4.466	ug/l	98
70) Styrene	11.969	104	67960	4.152	ug/l	99
71) Bromoform	12.133	173	16988	4.929	ug/l #	99
73) Isopropylbenzene	12.255	105	112194	4.455	ug/l	99
74) N-amyl acetate	12.066	43	18041	3.833	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	20052	4.773	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	15359m	4.118	ug/l	
77) Bromobenzene	12.529	156	32106	4.967	ug/l	99
78) n-propylbenzene	12.596	91	127521	4.305	ug/l	99
79) 2-Chlorotoluene	12.676	91	79199	4.631	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	87297	4.264	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	6474	4.680	ug/l	98
82) 4-Chlorotoluene	12.779	91	82155	4.600	ug/l	100
83) tert-Butylbenzene	12.999	119	83151	4.457	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	86988	4.294	ug/l	99
85) sec-Butylbenzene	13.176	105	120061	4.443	ug/l	99
86) p-Isopropyltoluene	13.291	119	97377	4.264	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	63027	4.936	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	64389	5.085	ug/l	95
89) n-Butylbenzene	13.615	91	86179	4.274	ug/l	99
90) Hexachloroethane	13.877	117	25204	5.084	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	56167	5.041	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3305	4.964	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	32000	4.875	ug/l	99
94) Hexachlorobutadiene	15.023	225	22316	5.456	ug/l	99
95) Naphthalene	15.145	128	45598	4.360	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	27176	4.772	ug/l	99

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

