

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
 Data File : VY023303.D
 Acq On : 08 Sep 2025 10:00
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
 Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:42:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 09 01:40:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	485110	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	759710	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	651128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	317206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	22895	5.371	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.740%#		
35) Dibromofluoromethane	7.634	113	22767	4.903	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.800%#		
50) Toluene-d8	10.109	98	85176	4.857	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.720%#		
62) 4-Bromofluorobenzene	12.407	95	26983	4.890	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.780%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	22839	5.868	ug/l	99
3) Chloromethane	2.074	50	32055	5.756	ug/l	97
4) Vinyl Chloride	2.208	62	38829	5.534	ug/l	96
5) Bromomethane	2.598	94	34392	6.003	ug/l	92
6) Chloroethane	2.738	64	26414	5.563	ug/l	99
7) Trichlorofluoromethane	3.061	101	48037	5.425	ug/l	98
8) Diethyl Ether	3.464	74	11987	5.116	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.817	101	26974	5.664	ug/l	99
10) Methyl Iodide	4.013	142	26719	4.810	ug/l	98
11) Tert butyl alcohol	4.872	59	6381	25.907	ug/l	95
12) 1,1-Dichloroethene	3.793	96	24327	5.310	ug/l	95
13) Acrolein	3.659	56	11073	26.592	ug/l	98
14) Allyl chloride	4.384	41	29424	5.084	ug/l	98
15) Acrylonitrile	5.067	53	23553	25.535	ug/l	98
16) Acetone	3.872	43	27095	27.905	ug/l	93
17) Carbon Disulfide	4.116	76	79684	5.494	ug/l	97
18) Methyl Acetate	4.391	43	12350	5.185	ug/l	95
19) Methyl tert-butyl Ether	5.128	73	51921	4.820	ug/l	96
20) Methylene Chloride	4.622	84	31712	6.104	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	26940	5.263	ug/l	97
22) Diisopropyl ether	6.024	45	61723	4.789	ug/l #	88
23) Vinyl Acetate	5.969	43	166297	23.340	ug/l	99
24) 1,1-Dichloroethane	5.921	63	44525	5.282	ug/l	99
25) 2-Butanone	6.902	43	29940	25.053	ug/l	96
26) 2,2-Dichloropropane	6.884	77	39303	5.280	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	28852	4.978	ug/l	98
28) Bromochloromethane	7.250	49	18229	5.496	ug/l	95
29) Tetrahydrofuran	7.268	42	17491	24.676	ug/l	98
30) Chloroform	7.427	83	48232	5.325	ug/l	96
31) Cyclohexane	7.701	56	42784	5.735	ug/l #	81
32) 1,1,1-Trichloroethane	7.622	97	42921	5.304	ug/l	98
36) 1,1-Dichloropropene	7.835	75	34125	5.159	ug/l	97
37) Ethyl Acetate	6.988	43	13098	4.978	ug/l	97
38) Carbon Tetrachloride	7.823	117	39006	5.125	ug/l	97
39) Methylcyclohexane	9.109	83	40211	4.752	ug/l	93
40) Benzene	8.085	78	104834	5.099	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.231	41	5965m	4.081	ug/l	
42) 1,2-Dichloroethane	8.164	62	27126	5.182	ug/l	100
43) Isopropyl Acetate	8.201	43	24681	4.823	ug/l	98
44) Trichloroethene	8.865	130	29378	5.130	ug/l	96
45) 1,2-Dichloropropane	9.146	63	23746	5.114	ug/l	98
46) Dibromomethane	9.231	93	14718	5.205	ug/l	99
47) Bromodichloromethane	9.426	83	36199	5.089	ug/l	100
48) Methyl methacrylate	9.225	41	10495	4.400	ug/l	89
49) 1,4-Dioxane	9.237	88	2727	95.009	ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	59396	22.687	ug/l	96
52) Toluene	10.170	92	60289	4.621	ug/l	96
53) t-1,3-Dichloropropene	10.396	75	28448	4.645	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	34169	4.669	ug/l	95
55) 1,1,2-Trichloroethane	10.572	97	19023	5.058	ug/l	96
56) Ethyl methacrylate	10.444	69	18369	4.215	ug/l	98
57) 1,3-Dichloropropane	10.719	76	30302	4.963	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	35646	18.769	ug/l	99
59) 2-Hexanone	10.761	43	40146	22.182	ug/l	98
60) Dibromochloromethane	10.914	129	25353	4.968	ug/l	97
61) 1,2-Dibromoethane	11.017	107	17594	4.992	ug/l	98
64) Tetrachloroethene	10.645	164	34772	5.358	ug/l	97
65) Chlorobenzene	11.444	112	72445	5.079	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	25464	5.086	ug/l	98
67) Ethyl Benzene	11.517	91	108359	4.650	ug/l	100
68) m/p-Xylenes	11.627	106	85257	9.136	ug/l	99
69) o-Xylene	11.956	106	38252	4.428	ug/l	100
70) Styrene	11.968	104	60260	4.209	ug/l	96
71) Bromoform	12.133	173	15125	5.073	ug/l #	94
73) Isopropylbenzene	12.255	105	98704	4.619	ug/l	99
74) N-amyl acetate	12.072	43	17784	4.403	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	17902	4.992	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	17115m	4.877	ug/l	
77) Bromobenzene	12.535	156	27224	4.987	ug/l	99
78) n-propylbenzene	12.596	91	116336	4.620	ug/l	99
79) 2-Chlorotoluene	12.676	91	69356	4.782	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	78164	4.498	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	5743	4.876	ug/l	97
82) 4-Chlorotoluene	12.779	91	73664	4.854	ug/l	100
83) tert-Butylbenzene	12.999	119	73753	4.686	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	75474	4.390	ug/l	97
85) sec-Butylbenzene	13.176	105	105361	4.601	ug/l	100
86) p-Isopropyltoluene	13.291	119	85119	4.400	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	54298	5.027	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	56300	5.262	ug/l	95
89) n-Butylbenzene	13.614	91	78467	4.574	ug/l	96
90) Hexachloroethane	13.877	117	22151	5.282	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	47837	5.079	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	3031	5.387	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	24947	4.541	ug/l	99
94) Hexachlorobutadiene	15.023	225	17507	5.154	ug/l	99
95) Naphthalene	15.145	128	35060	3.970	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	22103	4.633	ug/l	98

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

