

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
 Data File : VY023385.D
 Acq On : 07 Oct 2025 10:02
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

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

Quant Time: Oct 08 04:40:53 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	7.713	168	559828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	847077	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	736152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	374998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	48826	10.071	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.140%#		
35) Dibromofluoromethane	7.634	113	53279	10.364	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.720%#		
50) Toluene-d8	10.109	98	198242	10.225	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.460%#		
62) 4-Bromofluorobenzene	12.401	95	62601	10.235	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.460%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	44666	10.129	ug/l	97
3) Chloromethane	2.068	50	62413	9.957	ug/l	97
4) Vinyl Chloride	2.202	62	76587	9.676	ug/l	99
5) Bromomethane	2.592	94	66689	10.271	ug/l	90
6) Chloroethane	2.732	64	51757	9.632	ug/l	92
7) Trichlorofluoromethane	3.055	101	102972	10.128	ug/l	99
8) Diethyl Ether	3.458	74	26719	10.047	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	54405	10.011	ug/l	99
10) Methyl Iodide	4.007	142	56313	8.967	ug/l	99
11) Tert butyl alcohol	4.854	59	20540	71.998	ug/l #	89
12) 1,1-Dichloroethene	3.793	96	53191	10.173	ug/l	98
13) Acrolein	3.653	56	24014	49.681	ug/l	94
14) Allyl chloride	4.385	41	62154	9.494	ug/l	99
15) Acrylonitrile	5.061	53	51937	49.854	ug/l	99
16) Acetone	3.872	43	65410	59.997	ug/l	94
17) Carbon Disulfide	4.104	76	153055	9.382	ug/l	100
18) Methyl Acetate	4.391	43	29725	10.728	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	120347	9.830	ug/l	100
20) Methylene Chloride	4.616	84	71034	12.016	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	56465	9.710	ug/l	97
22) Diisopropyl ether	6.024	45	138589	9.547	ug/l	98
23) Vinyl Acetate	5.963	43	361478	45.300	ug/l	99
24) 1,1-Dichloroethane	5.915	63	93512	9.772	ug/l	98
25) 2-Butanone	6.890	43	75171	55.784	ug/l	92
26) 2,2-Dichloropropane	6.890	77	86325	10.153	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	65335	9.905	ug/l	99
28) Bromochloromethane	7.244	49	36132	9.733	ug/l	99
29) Tetrahydrofuran	7.262	42	38990	48.749	ug/l	99
30) Chloroform	7.421	83	102058	9.890	ug/l	99
31) Cyclohexane	7.701	56	80245	9.495	ug/l #	88
32) 1,1,1-Trichloroethane	7.622	97	91186	9.844	ug/l	99
36) 1,1-Dichloropropene	7.835	75	69913	9.639	ug/l	99
37) Ethyl Acetate	6.988	43	27388	9.551	ug/l	96
38) Carbon Tetrachloride	7.817	117	84799	10.065	ug/l	99
39) Methylcyclohexane	9.109	83	82275	8.860	ug/l	95
40) Benzene	8.079	78	220629	9.758	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	14344	9.632	ug/l #	92
42) 1,2-Dichloroethane	8.158	62	58541	10.174	ug/l	99
43) Isopropyl Acetate	8.201	43	53042	9.510	ug/l	98
44) Trichloroethene	8.865	130	64537	10.171	ug/l	96
45) 1,2-Dichloropropane	9.140	63	49009	9.632	ug/l	100
46) Dibromomethane	9.231	93	30780	9.890	ug/l	99
47) Bromodichloromethane	9.426	83	78392	10.007	ug/l	99
48) Methyl methacrylate	9.225	41	23484	9.023	ug/l	97
49) 1,4-Dioxane	9.231	88	6822	211.693	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	134746	47.165	ug/l	99
52) Toluene	10.170	92	138662	9.661	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	64315	9.559	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	77905	9.687	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	41881	10.118	ug/l	92
56) Ethyl methacrylate	10.438	69	42096	8.830	ug/l	98
57) 1,3-Dichloropropane	10.719	76	64537	9.633	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	94970m	45.535	ug/l	
59) 2-Hexanone	10.761	43	99175	50.138	ug/l	96
60) Dibromochloromethane	10.908	129	57151	10.123	ug/l	97
61) 1,2-Dibromoethane	11.011	107	38861	9.979	ug/l	99
64) Tetrachloroethene	10.646	164	76110	10.335	ug/l	98
65) Chlorobenzene	11.438	112	161155	10.074	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.517	131	57233	10.173	ug/l	98
67) Ethyl Benzene	11.517	91	251958	9.651	ug/l	98
68) m/p-Xylenes	11.627	106	198866	19.004	ug/l	99
69) o-Xylene	11.950	106	91710	9.467	ug/l	100
70) Styrene	11.969	104	151094	9.446	ug/l	99
71) Bromoform	12.133	173	35681	10.595	ug/l #	94
73) Isopropylbenzene	12.249	105	236489	9.467	ug/l	99
74) N-amyl acetate	12.066	43	40098	8.590	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	41130	9.871	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	29944m	8.095	ug/l	
77) Bromobenzene	12.529	156	66002	10.295	ug/l	99
78) n-propylbenzene	12.590	91	275671	9.384	ug/l	100
79) 2-Chlorotoluene	12.676	91	165582	9.762	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	191799	9.445	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	13110	9.556	ug/l	99
82) 4-Chlorotoluene	12.773	91	169968	9.595	ug/l	100
83) tert-Butylbenzene	12.993	119	177250	9.579	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	191423	9.528	ug/l	98
85) sec-Butylbenzene	13.170	105	254134	9.483	ug/l	100
86) p-Isopropyltoluene	13.285	119	210320	9.287	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	127377	10.058	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	127757	10.172	ug/l	98
89) n-Butylbenzene	13.615	91	182116	9.107	ug/l	98
90) Hexachloroethane	13.877	117	47355	9.630	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	112325	10.165	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7005	10.608	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	65050	9.992	ug/l	98
94) Hexachlorobutadiene	15.023	225	42813	10.554	ug/l	97
95) Naphthalene	15.139	128	96092	9.264	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	56499	10.004	ug/l	99

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

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