

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023054.D
 Acq On : 12 Aug 2025 16:25
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 13 01:54:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
 Supervised By :Semsettin Yesilyurt 08/14/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	558266	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	880463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	784385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	404136	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	527356	99.115	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 198.220%#	
35) Dibromofluoromethane	7.628	113	540106	102.518	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 205.040%#	
50) Toluene-d8	10.103	98	2116445	102.832	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 205.660%#	
62) 4-Bromofluorobenzene	12.402	95	702583	106.147	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 212.300%#	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	376261	82.570	ug/l	98
3) Chloromethane	2.068	50	673475	91.248	ug/l	99
4) Vinyl Chloride	2.202	62	841648	92.250	ug/l	98
5) Bromomethane	2.586	94	643103	94.384	ug/l	100
6) Chloroethane	2.727	64	567515	93.563	ug/l	99
7) Trichlorofluoromethane	3.050	101	1005284	90.617	ug/l	99
8) Diethyl Ether	3.452	74	273400	93.150	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	497408	90.882	ug/l	99
10) Methyl Iodide	4.001	142	629775	106.635	ug/l	99
11) Tert butyl alcohol	4.866	59	162373	445.387	ug/l	99
12) 1,1-Dichloroethene	3.787	96	506919	94.229	ug/l	95
13) Acrolein	3.647	56	240580	450.599	ug/l	100
14) Allyl chloride	4.379	41	759925	96.000	ug/l	99
15) Acrylonitrile	5.049	53	555815	465.802	ug/l	99
16) Acetone	3.867	43	522178	453.007	ug/l	97
17) Carbon Disulfide	4.098	76	1622451	92.494	ug/l	100
18) Methyl Acetate	4.379	43	312127	90.993	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	1342237	96.284	ug/l	100
20) Methylene Chloride	4.610	84	570465	97.847	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	580972	96.098	ug/l	99
22) Diisopropyl ether	6.019	45	1686285	98.033	ug/l	99
23) Vinyl Acetate	5.958	43	4632278	487.023	ug/l	100
24) 1,1-Dichloroethane	5.909	63	1012815	96.306	ug/l	100
25) 2-Butanone	6.890	43	722555	460.899	ug/l	97
26) 2,2-Dichloropropane	6.878	77	866598	95.497	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	681242	97.472	ug/l	100
28) Bromochloromethane	7.244	49	409677	98.188	ug/l	100
29) Tetrahydrofuran	7.256	42	451254	464.370	ug/l	100
30) Chloroform	7.415	83	1045381	96.383	ug/l	96
31) Cyclohexane	7.695	56	884707	89.271	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	929858	96.620	ug/l	99
36) 1,1-Dichloropropene	7.829	75	755114	96.443	ug/l	99
37) Ethyl Acetate	6.982	43	313447	95.302	ug/l	99
38) Carbon Tetrachloride	7.811	117	819941	96.419	ug/l	98
39) Methylcyclohexane	9.103	83	1011944	98.146	ug/l	99
40) Benzene	8.073	78	2348617	97.324	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	180468	94.973	ug/l	98
42) 1,2-Dichloroethane	8.152	62	597215	95.155	ug/l	100
43) Isopropyl Acetate	8.195	43	636710	95.780	ug/l	99
44) Trichloroethene	8.860	130	602322	96.584	ug/l	97
45) 1,2-Dichloropropane	9.140	63	543589	97.899	ug/l	99
46) Dibromomethane	9.225	93	309302	97.052	ug/l	99
47) Bromodichloromethane	9.420	83	802532	97.864	ug/l	98
48) Methyl methacrylate	9.219	41	319906	100.567	ug/l	99
49) 1,4-Dioxane	9.225	88	71300	1908.039	ug/l	94
51) 4-Methyl-2-Pentanone	9.994	43	1669668	486.924	ug/l	100
52) Toluene	10.164	92	1537088	100.288	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	754278	101.574	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	880571	100.281	ug/l	99
55) 1,1,2-Trichloroethane	10.567	97	415556	97.446	ug/l	99
56) Ethyl methacrylate	10.432	69	569556	104.375	ug/l	100
57) 1,3-Dichloropropane	10.713	76	696130	96.253	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	1389847	539.957	ug/l	99
59) 2-Hexanone	10.756	43	1151000	492.950	ug/l	100
60) Dibromochloromethane	10.902	129	557205	99.024	ug/l	99
61) 1,2-Dibromoethane	11.012	107	391650	97.713	ug/l	98
64) Tetrachloroethene	10.640	164	615871	87.931	ug/l	98
65) Chlorobenzene	11.438	112	1658154	98.004	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.512	131	573131	99.810	ug/l	99
67) Ethyl Benzene	11.512	91	2914020	100.082	ug/l	98
68) m/p-Xylenes	11.621	106	2312597	203.363	ug/l	98
69) o-Xylene	11.950	106	1100998	103.373	ug/l	99
70) Styrene	11.963	104	1845480	105.953	ug/l	99
71) Bromoform	12.127	173	334886	99.786	ug/l #	99
73) Isopropylbenzene	12.249	105	2839999	99.567	ug/l	99
74) N-amyl acetate	12.066	43	610668	100.955	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.499	83	469810	96.464	ug/l	100
76) 1,2,3-Trichloropropane	12.548	75	330554m	84.695	ug/l	
77) Bromobenzene	12.524	156	671329	98.655	ug/l	98
78) n-propylbenzene	12.591	91	3360679	98.963	ug/l	99
79) 2-Chlorotoluene	12.670	91	1931460	99.268	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	2321527	100.707	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	153260	95.118	ug/l	100
82) 4-Chlorotoluene	12.767	91	1988544	98.519	ug/l	100
83) tert-Butylbenzene	12.993	119	2125785	102.102	ug/l	98
84) 1,2,4-Trimethylbenzene	13.036	105	2339432	101.946	ug/l	100
85) sec-Butylbenzene	13.170	105	3056373	99.932	ug/l	100
86) p-Isopropyltoluene	13.286	119	2610936	102.846	ug/l	100
87) 1,3-Dichlorobenzene	13.280	146	1338547	99.748	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	1290840	96.970	ug/l	99
89) n-Butylbenzene	13.609	91	2370706	101.675	ug/l	100
90) Hexachloroethane	13.871	117	510900	98.308	ug/l	99
91) 1,2-Dichlorobenzene	13.651	146	1162152	98.749	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	69736	91.965	ug/l	97
93) 1,2,4-Trichlorobenzene	14.913	180	692201	99.460	ug/l	98
94) Hexachlorobutadiene	15.017	225	387707	94.803	ug/l	99
95) Naphthalene	15.133	128	1212227	102.147	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	587990	98.046	ug/l	100

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

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