

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023051.D
 Acq On : 12 Aug 2025 15:17
 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 :Mahesh Dadoda 08/14/2025
 Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:51:22 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

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	551522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	883548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	761327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	365647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	54002	10.274	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.540%#		
35) Dibromofluoromethane	7.628	113	52916	10.009	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.020%#		
50) Toluene-d8	10.103	98	204532	9.903	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.800%#		
62) 4-Bromofluorobenzene	12.401	95	64927	9.775	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.540%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	51022	11.334	ug/l	95
3) Chloromethane	2.068	50	77982	10.695	ug/l	97
4) Vinyl Chloride	2.202	62	95983	10.649	ug/l	99
5) Bromomethane	2.592	94	70415	10.461	ug/l	99
6) Chloroethane	2.732	64	62514	10.432	ug/l	97
7) Trichlorofluoromethane	3.049	101	115150	10.507	ug/l	94
8) Diethyl Ether	3.452	74	30390	10.481	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	57210	10.581	ug/l	100
10) Methyl Iodide	4.001	142	54184	9.287	ug/l	99
11) Tert butyl alcohol	4.866	59	20212	56.119	ug/l	99
12) 1,1-Dichloroethene	3.781	96	55669	10.475	ug/l	92
13) Acrolein	3.647	56	30081	57.030	ug/l	97
14) Allyl chloride	4.372	41	79145	10.121	ug/l	98
15) Acrylonitrile	5.049	53	62889	53.349	ug/l	99
16) Acetone	3.873	43	61290	53.821	ug/l	94
17) Carbon Disulfide	4.098	76	183399	10.583	ug/l	98
18) Methyl Acetate	4.385	43	33996	10.032	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	139820	10.153	ug/l	95
20) Methylene Chloride	4.604	84	77920	11.095	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	61826	10.352	ug/l	100
22) Diisopropyl ether	6.012	45	172602	10.157	ug/l	93
23) Vinyl Acetate	5.957	43	482714	51.372	ug/l	98
24) 1,1-Dichloroethane	5.903	63	106831	10.282	ug/l	99
25) 2-Butanone	6.896	43	83923	54.187	ug/l	96
26) 2,2-Dichloropropane	6.878	77	91579	10.215	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	68839	9.970	ug/l	99
28) Bromochloromethane	7.238	49	41820	10.146	ug/l	100
29) Tetrahydrofuran	7.262	42	49926	52.005	ug/l	99
30) Chloroform	7.415	83	109942	10.260	ug/l	93
31) Cyclohexane	7.701	56	103068	10.527	ug/l #	89
32) 1,1,1-Trichloroethane	7.616	97	96693	10.170	ug/l	98
36) 1,1-Dichloropropene	7.829	75	80479	10.243	ug/l	99
37) Ethyl Acetate	6.982	43	34854	10.560	ug/l	97
38) Carbon Tetrachloride	7.811	117	85932	10.070	ug/l	97
39) Methylcyclohexane	9.103	83	102275	9.885	ug/l	99
40) Benzene	8.073	78	243060	10.037	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	18825	9.872	ug/l #	89
42) 1,2-Dichloroethane	8.152	62	65350	10.376	ug/l	99
43) Isopropyl Acetate	8.195	43	67669	10.144	ug/l	99
44) Trichloroethene	8.859	130	62689	10.017	ug/l	98
45) 1,2-Dichloropropane	9.134	63	56720	10.179	ug/l	97
46) Dibromomethane	9.225	93	33460	10.462	ug/l	98
47) Bromodichloromethane	9.420	83	81951	9.959	ug/l	97
48) Methyl methacrylate	9.213	41	31851	9.978	ug/l	96
49) 1,4-Dioxane	9.231	88	7705	205.471	ug/l	94
51) 4-Methyl-2-Pentanone	9.993	43	177157	51.484	ug/l	98
52) Toluene	10.164	92	150422	9.780	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	72507	9.730	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	85945	9.753	ug/l	100
55) 1,1,2-Trichloroethane	10.566	97	42712	9.981	ug/l	97
56) Ethyl methacrylate	10.432	69	52746	9.632	ug/l	98
57) 1,3-Dichloropropane	10.713	76	74433	10.256	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	119417	46.232	ug/l	98
59) 2-Hexanone	10.755	43	118452	50.553	ug/l	99
60) Dibromochloromethane	10.902	129	56045	9.925	ug/l	99
61) 1,2-Dibromoethane	11.011	107	41009	10.196	ug/l	99
64) Tetrachloroethene	10.640	164	70502	10.371	ug/l	98
65) Chlorobenzene	11.438	112	162985	9.925	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	54856	9.842	ug/l	97
67) Ethyl Benzene	11.511	91	273281	9.670	ug/l	99
68) m/p-Xylenes	11.621	106	212766	19.277	ug/l	99
69) o-Xylene	11.950	106	97841	9.465	ug/l	98
70) Styrene	11.963	104	155809	9.216	ug/l	99
71) Bromoform	12.127	173	32470	9.968	ug/l #	97
73) Isopropylbenzene	12.249	105	254745	9.871	ug/l	99
74) N-amyl acetate	12.066	43	53943	9.857	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.499	83	47304	10.735	ug/l	99
76) 1,2,3-Trichloropropane	12.548	75	35353m	10.012	ug/l	
77) Bromobenzene	12.523	156	60728	9.864	ug/l	96
78) n-propylbenzene	12.590	91	303440	9.876	ug/l	100
79) 2-Chlorotoluene	12.676	91	175364	9.962	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	205544	9.855	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	15715	10.780	ug/l	96
82) 4-Chlorotoluene	12.767	91	181812	9.956	ug/l	99
83) tert-Butylbenzene	12.993	119	181408	9.630	ug/l	99
84) 1,2,4-Trimethylbenzene	13.035	105	201812	9.720	ug/l	100
85) sec-Butylbenzene	13.170	105	274178	9.908	ug/l	99
86) p-Isopropyltoluene	13.285	119	217799	9.482	ug/l	98
87) 1,3-Dichlorobenzene	13.279	146	120109	9.893	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	121160	10.060	ug/l	97
89) n-Butylbenzene	13.609	91	205420	9.737	ug/l	98
90) Hexachloroethane	13.871	117	47353	10.071	ug/l	98
91) 1,2-Dichlorobenzene	13.651	146	107656	10.110	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	7032	10.250	ug/l	98
93) 1,2,4-Trichlorobenzene	14.913	180	61323	9.739	ug/l	99
94) Hexachlorobutadiene	15.017	225	37011	10.003	ug/l	99
95) Naphthalene	15.139	128	99780	9.293	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	53626	9.883	ug/l	96

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

