

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
 Data File : VD080290.D
 Acq On : 06 May 2025 13:33
 Operator : RP/MD
 Sample : VSTDICC005
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
 Supervised By :Semsettin Yesilyurt 05/07/2025

Quant Time: May 07 03:15:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 07 03:09:55 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	118891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	213519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	189975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	94546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	9150	5.951	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.900%#		
35) Dibromofluoromethane	7.806	113	7245	5.063	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.120%#		
50) Toluene-d8	10.264	98	26514	4.702	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.400%#		
62) 4-Bromofluorobenzene	12.570	95	7719	4.265	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	8.540%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	8702	2.696	ug/l	97
3) Chloromethane	2.153	50	17818	4.195	ug/l	92
4) Vinyl Chloride	2.282	62	19788	6.402	ug/l	95
5) Bromomethane	2.688	94	14130	6.351	ug/l	96
6) Chloroethane	2.829	64	13118	6.003	ug/l #	81
7) Trichlorofluoromethane	3.171	101	14887	6.282	ug/l	98
8) Diethyl Ether	3.594	74	4415	6.035	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.971	101	9475	6.489	ug/l	96
10) Methyl Iodide	4.165	142	7802	5.241	ug/l	98
11) Tert butyl alcohol	5.059	59	2849	30.538	ug/l #	83
12) 1,1-Dichloroethene	3.935	96	9216	6.402	ug/l	84
13) Acrolein	3.806	56	4849	29.540	ug/l	90
14) Allyl chloride	4.559	41	13349	5.896	ug/l	95
15) Acrylonitrile	5.259	53	10094	28.700	ug/l	98
16) Acetone	4.029	43	10782m	28.543	ug/l	
17) Carbon Disulfide	4.271	76	32611	6.523	ug/l	99
18) Methyl Acetate	4.571	43	6017	6.039	ug/l #	66
19) Methyl tert-butyl Ether	5.312	73	16598	5.248	ug/l	100
20) Methylene Chloride	4.800	84	14964	5.725	ug/l	92
21) trans-1,2-Dichloroethene	5.312	96	9721	6.216	ug/l #	82
22) Diisopropyl ether	6.218	45	22769	4.882	ug/l #	86
23) Vinyl Acetate	6.159	43	66186m	24.366	ug/l	
24) 1,1-Dichloroethane	6.106	63	17176	5.853	ug/l	99
25) 2-Butanone	7.094	43	12118	28.646	ug/l	95
26) 2,2-Dichloropropane	7.076	77	13406	5.741	ug/l	95
27) cis-1,2-Dichloroethene	7.076	96	9491	5.478	ug/l	93
28) Bromochloromethane	7.429	49	8315	6.085	ug/l	92
29) Tetrahydrofuran	7.441	42	6994	25.357	ug/l	99
30) Chloroform	7.594	83	17239	5.890	ug/l	99
31) Cyclohexane	7.876	56	15557	6.228	ug/l #	80
32) 1,1,1-Trichloroethane	7.794	97	13649	5.716	ug/l	98
36) 1,1-Dichloropropene	8.006	75	11045	5.164	ug/l	93
37) Ethyl Acetate	7.176	43	5987	5.367	ug/l #	90
38) Carbon Tetrachloride	7.988	117	11256	5.046	ug/l	97
39) Methylcyclohexane	9.270	83	11974	4.825	ug/l	96
40) Benzene	8.247	78	35294	5.267	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	3543	5.725	ug/l #	86
42) 1,2-Dichloroethane	8.323	62	10431	5.372	ug/l	95
43) Isopropyl Acetate	8.359	43	9983	4.922	ug/l #	75
44) Trichloroethene	9.023	130	8290	5.329	ug/l	87
45) 1,2-Dichloropropane	9.311	63	8621	5.016	ug/l	95
46) Dibromomethane	9.394	93	4497	4.806	ug/l	92
47) Bromodichloromethane	9.582	83	12295	5.177	ug/l #	92
48) Methyl methacrylate	9.388	41	4296m	4.458	ug/l	
49) 1,4-Dioxane	9.382	88	1116	100.311	ug/l #	78
51) 4-Methyl-2-Pentanone	10.153	43	22476	21.509	ug/l	99
52) Toluene	10.335	92	18781	4.652	ug/l	98
53) t-1,3-Dichloropropene	10.553	75	10630	4.909	ug/l	97
54) cis-1,3-Dichloropropene	10.017	75	12084	4.816	ug/l	92
55) 1,1,2-Trichloroethane	10.729	97	6301	5.091	ug/l	92
56) Ethyl methacrylate	10.594	69	5870	3.914	ug/l #	82
57) 1,3-Dichloropropane	10.876	76	9918	4.821	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.870	63	12258	19.970	ug/l	96
59) 2-Hexanone	10.923	43	16540	23.010	ug/l	94
60) Dibromochloromethane	11.070	129	7537	4.859	ug/l	90
61) 1,2-Dibromoethane	11.182	107	5762	5.020	ug/l	99
64) Tetrachloroethene	10.805	164	6842	5.318	ug/l	94
65) Chlorobenzene	11.605	112	23604	5.503	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.682	131	7434	5.044	ug/l	93
67) Ethyl Benzene	11.682	91	33412	4.661	ug/l	97
68) m/p-Xylenes	11.794	106	25055	9.002	ug/l	97
69) o-Xylene	12.117	106	11452	4.503	ug/l	99
70) Styrene	12.135	104	20231	4.430	ug/l	96
71) Bromoform	12.294	173	4510	5.151	ug/l #	100
73) Isopropylbenzene	12.423	105	30167	4.919	ug/l	99
74) N-amyl acetate	12.229	43	9157	5.202	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.670	83	7592	5.629	ug/l	93
76) 1,2,3-Trichloropropane	12.723	75	5467m	5.450	ug/l	
77) Bromobenzene	12.700	156	8476	5.328	ug/l	93
78) n-propylbenzene	12.758	91	36671	4.765	ug/l	98
79) 2-Chlorotoluene	12.847	91	22451	5.015	ug/l	95
80) 1,3,5-Trimethylbenzene	12.900	105	24517	4.687	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.470	75	2485	5.169	ug/l	96
82) 4-Chlorotoluene	12.947	91	25557	5.289	ug/l	100
83) tert-Butylbenzene	13.164	119	20744	4.752	ug/l	98
84) 1,2,4-Trimethylbenzene	13.211	105	24355	4.551	ug/l	98
85) sec-Butylbenzene	13.341	105	32212	4.785	ug/l	98
86) p-Isopropyltoluene	13.458	119	25141	4.444	ug/l	96
87) 1,3-Dichlorobenzene	13.458	146	17707	5.337	ug/l	97
88) 1,4-Dichlorobenzene	13.535	146	19650	5.875	ug/l	93
89) n-Butylbenzene	13.788	91	27132	4.940	ug/l	97
90) Hexachloroethane	14.052	117	7141	5.705	ug/l	98
91) 1,2-Dichlorobenzene	13.829	146	15854	5.501	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.452	75	1166	5.425	ug/l	97
93) 1,2,4-Trichlorobenzene	15.099	180	10754	5.933	ug/l	97
94) Hexachlorobutadiene	15.199	225	5697	6.042	ug/l	95
95) Naphthalene	15.323	128	19134	5.622	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	9263	5.714	ug/l	99

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

