

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062625\
 Data File : VD080474.D
 Acq On : 26 Jun 2025 10:55
 Operator : RP/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
 Supervised By :Semsettin Yesilyurt 06/27/2025

Quant Time: Jun 27 04:59:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062625S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 04:51:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	498650	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	919289	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	793025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	358620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	100063	20.469	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.940%#		
35) Dibromofluoromethane	7.806	113	107578	20.898	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.800%#		
50) Toluene-d8	10.270	98	429340	20.646	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	41.300%#		
62) 4-Bromofluorobenzene	12.570	95	143740	21.080	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	42.160%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.935	85	88336	19.927	ug/l	99
3) Chloromethane	2.147	50	123541	19.955	ug/l	99
4) Vinyl Chloride	2.288	62	123098	19.600	ug/l	99
5) Bromomethane	2.682	94	66031	19.023	ug/l	96
6) Chloroethane	2.835	64	76294	19.354	ug/l	95
7) Trichlorofluoromethane	3.176	101	155434	19.673	ug/l	99
8) Diethyl Ether	3.594	74	58389	18.985	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.959	101	102041	19.523	ug/l	99
10) Methyl Iodide	4.165	142	115140	18.707	ug/l	99
11) Tert butyl alcohol	5.041	59	38402	96.479	ug/l	98
12) 1,1-Dichloroethene	3.941	96	109509	19.405	ug/l	94
13) Acrolein	3.794	56	48487	89.391	ug/l	97
14) Allyl chloride	4.559	41	191776	19.407	ug/l	99
15) Acrylonitrile	5.247	53	142458	97.356	ug/l	99
16) Acetone	4.018	43	135398	107.199	ug/l	97
17) Carbon Disulfide	4.270	76	339008	19.022	ug/l	99
18) Methyl Acetate	4.559	43	77320	20.125	ug/l	99
19) Methyl tert-butyl Ether	5.312	73	275433	19.639	ug/l	100
20) Methylene Chloride	4.800	84	148306	19.412	ug/l	98
21) trans-1,2-Dichloroethene	5.312	96	121639	19.324	ug/l	94
22) Diisopropyl ether	6.212	45	377313	19.775	ug/l	96
23) Vinyl Acetate	6.153	43	1049396	96.524	ug/l	99
24) 1,1-Dichloroethane	6.112	63	219852	19.638	ug/l	98
25) 2-Butanone	7.082	43	188406	101.631	ug/l	99
26) 2,2-Dichloropropane	7.076	77	172556	19.477	ug/l	98
27) cis-1,2-Dichloroethene	7.076	96	147380	19.585	ug/l	99
28) Bromochloromethane	7.429	49	90196	20.436	ug/l	98
29) Tetrahydrofuran	7.441	42	112571	96.387	ug/l	99
30) Chloroform	7.594	83	211317	19.719	ug/l	98
31) Cyclohexane	7.876	56	209156	19.281	ug/l	96
32) 1,1,1-Trichloroethane	7.794	97	176440	19.692	ug/l	99
36) 1,1-Dichloropropene	8.011	75	154743	19.248	ug/l	99
37) Ethyl Acetate	7.164	43	77087m	19.792	ug/l	
38) Carbon Tetrachloride	7.988	117	149574	19.473	ug/l	99
39) Methylcyclohexane	9.270	83	211384	19.097	ug/l	97
40) Benzene	8.253	78	504439	19.549	ug/l	99

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41) Methacrylonitrile	7.400	41	48023	19.230	ug/l	97
42) 1,2-Dichloroethane	8.323	62	117525	19.361	ug/l	100
43) Isopropyl Acetate	8.358	43	148882	19.361	ug/l	100
44) Trichloroethene	9.029	130	118828	19.002	ug/l	100
45) 1,2-Dichloropropane	9.305	63	122191	19.526	ug/l	94
46) Dibromomethane	9.394	93	64168	19.231	ug/l	100
47) Bromodichloromethane	9.582	83	160400	19.391	ug/l	98
48) Methyl methacrylate	9.382	41	74919	19.259	ug/l	98
49) 1,4-Dioxane	9.382	88	16027	370.268	ug/l	95
51) 4-Methyl-2-Pentanone	10.158	43	376146	96.323	ug/l	100
52) Toluene	10.335	92	313140	19.416	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	163506	19.735	ug/l	94
54) cis-1,3-Dichloropropene	10.017	75	194077	19.499	ug/l	100
55) 1,1,2-Trichloroethane	10.729	97	88342	19.422	ug/l	97
56) Ethyl methacrylate	10.594	69	125573	19.341	ug/l	98
57) 1,3-Dichloropropane	10.876	76	155414	19.529	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	245161	98.872	ug/l	98
59) 2-Hexanone	10.917	43	269998	97.691	ug/l	98
60) Dibromochloromethane	11.070	129	108128	19.260	ug/l	98
61) 1,2-Dibromoethane	11.176	107	84852	19.511	ug/l	99
64) Tetrachloroethene	10.805	164	95230	19.348	ug/l	97
65) Chlorobenzene	11.605	112	333823	19.518	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.676	131	105703	19.664	ug/l	99
67) Ethyl Benzene	11.682	91	584743	19.547	ug/l	100
68) m/p-Xylenes	11.794	106	446764	39.219	ug/l	99
69) o-Xylene	12.117	106	214497	19.513	ug/l	100
70) Styrene	12.135	104	369689	19.883	ug/l	99
71) Bromoform	12.299	173	59164	19.326	ug/l #	99
73) Isopropylbenzene	12.417	105	544844	19.544	ug/l	100
74) N-amyl acetate	12.229	43	139860	19.160	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.670	83	101744	19.600	ug/l	97
76) 1,2,3-Trichloropropane	12.717	75	59948m	19.512	ug/l	
77) Bromobenzene	12.699	156	121664	19.515	ug/l	99
78) n-propylbenzene	12.758	91	659373	19.648	ug/l	100
79) 2-Chlorotoluene	12.846	91	377407	19.554	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	442593	19.578	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.464	75	38258	18.649	ug/l	96
82) 4-Chlorotoluene	12.946	91	387058	19.524	ug/l	99
83) tert-Butylbenzene	13.164	119	385182	19.480	ug/l	98
84) 1,2,4-Trimethylbenzene	13.205	105	440340	19.510	ug/l	99
85) sec-Butylbenzene	13.341	105	568685	19.472	ug/l	100
86) p-Isopropyltoluene	13.458	119	467672	19.350	ug/l	99
87) 1,3-Dichlorobenzene	13.452	146	233885	19.397	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	233431	19.395	ug/l	98
89) n-Butylbenzene	13.782	91	448718	19.344	ug/l	100
90) Hexachloroethane	14.052	117	89677	19.205	ug/l	99
91) 1,2-Dichlorobenzene	13.829	146	207566	19.557	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.446	75	15017	19.181	ug/l	96
93) 1,2,4-Trichlorobenzene	15.093	180	126296	18.992	ug/l	97
94) Hexachlorobutadiene	15.199	225	59804	19.481	ug/l	97
95) Naphthalene	15.329	128	279933	18.945	ug/l	98
96) 1,2,3-Trichlorobenzene	15.517	180	107861	18.863	ug/l	97

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

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