

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082725\
 Data File : VD080498.D
 Acq On : 27 Aug 2025 11:05
 Operator : RP/MD
 Sample : VSTDICC020
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/28/2025
 Supervised By :Semsettin Yesilyurt 08/28/2025

Quant Time: Aug 28 02:48:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082725S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 28 02:42:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.870	168	430071	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	782075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	685130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	319967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	90597	18.672	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	37.340%#		
35) Dibromofluoromethane	7.805	113	91810	18.245	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	36.500%#		
50) Toluene-d8	10.270	98	372827	18.830	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	37.660%#		
62) 4-Bromofluorobenzene	12.570	95	117271	18.256	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	36.520%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	83389	22.774	ug/l	97
3) Chloromethane	2.147	50	125148	21.652	ug/l	99
4) Vinyl Chloride	2.288	62	127991	21.456	ug/l	99
5) Bromomethane	2.688	94	72177	21.530	ug/l	98
6) Chloroethane	2.835	64	82730	21.247	ug/l	99
7) Trichlorofluoromethane	3.176	101	148249	21.338	ug/l	99
8) Diethyl Ether	3.594	74	56743	20.610	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.970	101	92872	20.601	ug/l	98
10) Methyl Iodide	4.164	142	108702	20.887	ug/l	98
11) Tert butyl alcohol	5.041	59	34233	97.493	ug/l	99
12) 1,1-Dichloroethene	3.947	96	97861	20.837	ug/l	97
13) Acrolein	3.794	56	38885	104.197	ug/l	91
14) Allyl chloride	4.559	41	169421	20.787	ug/l	99
15) Acrylonitrile	5.258	53	125186	102.104	ug/l	99
16) Acetone	4.023	43	103837	91.411	ug/l	95
17) Carbon Disulfide	4.270	76	332827	20.957	ug/l	99
18) Methyl Acetate	4.564	43	68557	21.446	ug/l	99
19) Methyl tert-butyl Ether	5.317	73	252433	20.482	ug/l	100
20) Methylene Chloride	4.800	84	127828	20.485	ug/l	95
21) trans-1,2-Dichloroethene	5.311	96	111599	20.757	ug/l	96
22) Diisopropyl ether	6.211	45	347220	20.699	ug/l	97
23) Vinyl Acetate	6.153	43	965933	101.190	ug/l	100
24) 1,1-Dichloroethane	6.111	63	202079	20.811	ug/l	99
25) 2-Butanone	7.076	43	155059	96.403	ug/l	93
26) 2,2-Dichloropropane	7.076	77	156699	20.381	ug/l	99
27) cis-1,2-Dichloroethene	7.076	96	132854	20.705	ug/l	98
28) Bromochloromethane	7.423	49	80485	20.339	ug/l	100
29) Tetrahydrofuran	7.441	42	103417	101.748	ug/l	97
30) Chloroform	7.594	83	189095	20.366	ug/l	99
31) Cyclohexane	7.876	56	185257	20.382	ug/l #	96
32) 1,1,1-Trichloroethane	7.788	97	158089	20.449	ug/l	100
36) 1,1-Dichloropropene	8.005	75	141838	20.696	ug/l	99
37) Ethyl Acetate	7.164	43	65467	19.865	ug/l	99
38) Carbon Tetrachloride	7.988	117	135244	20.734	ug/l	94
39) Methylcyclohexane	9.270	83	189466	20.770	ug/l	100
40) Benzene	8.252	78	450113	20.637	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	42580	21.762	ug/l	94
42) 1,2-Dichloroethane	8.323	62	109117	20.654	ug/l	98
43) Isopropyl Acetate	8.358	43	136763	20.396	ug/l	100
44) Trichloroethene	9.029	130	109341	20.663	ug/l	94
45) 1,2-Dichloropropane	9.305	63	111053	20.530	ug/l	99
46) Dibromomethane	9.394	93	58842	20.304	ug/l	97
47) Bromodichloromethane	9.582	83	148316	20.993	ug/l	97
48) Methyl methacrylate	9.382	41	67621	20.343	ug/l	98
49) 1,4-Dioxane	9.388	88	14531	405.584	ug/l	99
51) 4-Methyl-2-Pentanone	10.158	43	338167	101.125	ug/l	100
52) Toluene	10.329	92	277470	20.399	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	147450	20.479	ug/l	100
54) cis-1,3-Dichloropropene	10.017	75	176693	20.521	ug/l	99
55) 1,1,2-Trichloroethane	10.729	97	79500	20.461	ug/l	96
56) Ethyl methacrylate	10.594	69	109499	20.227	ug/l	98
57) 1,3-Dichloropropane	10.876	76	140380	20.586	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.870	63	208978	99.754	ug/l	99
59) 2-Hexanone	10.917	43	232369	97.797	ug/l	98
60) Dibromochloromethane	11.070	129	99386	20.296	ug/l	98
61) 1,2-Dibromoethane	11.176	107	75339	20.378	ug/l	100
64) Tetrachloroethene	10.805	164	88433	20.901	ug/l	93
65) Chlorobenzene	11.605	112	301522	20.652	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.676	131	95889	20.591	ug/l	97
67) Ethyl Benzene	11.682	91	522108	20.661	ug/l	98
68) m/p-Xylenes	11.793	106	403796	41.500	ug/l	99
69) o-Xylene	12.117	106	191350	20.608	ug/l	98
70) Styrene	12.135	104	327750	20.749	ug/l	100
71) Bromoform	12.299	173	55269	20.883	ug/l #	99
73) Isopropylbenzene	12.417	105	483490	20.624	ug/l	100
74) N-amyl acetate	12.229	43	123862	19.910	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.670	83	90453	20.753	ug/l	98
76) 1,2,3-Trichloropropane	12.717	75	53996m	20.677	ug/l	
77) Bromobenzene	12.699	156	111524	20.561	ug/l	96
78) n-propylbenzene	12.758	91	582736	20.471	ug/l	100
79) 2-Chlorotoluene	12.846	91	336039	20.716	ug/l	100
80) 1,3,5-Trimethylbenzene	12.899	105	392937	20.627	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.464	75	33315	19.363	ug/l	95
82) 4-Chlorotoluene	12.946	91	345464	20.705	ug/l	99
83) tert-Butylbenzene	13.164	119	340099	20.577	ug/l	99
84) 1,2,4-Trimethylbenzene	13.211	105	391943	20.434	ug/l	99
85) sec-Butylbenzene	13.340	105	511186	20.723	ug/l	100
86) p-Isopropyltoluene	13.458	119	424990	20.596	ug/l	100
87) 1,3-Dichlorobenzene	13.458	146	215347	20.591	ug/l	100
88) 1,4-Dichlorobenzene	13.535	146	214797	20.454	ug/l	99
89) n-Butylbenzene	13.782	91	401000	20.400	ug/l	98
90) Hexachloroethane	14.052	117	81630	20.452	ug/l	99
91) 1,2-Dichlorobenzene	13.829	146	188519	20.257	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.446	75	13155	20.112	ug/l	99
93) 1,2,4-Trichlorobenzene	15.093	180	117126	20.087	ug/l	98
94) Hexachlorobutadiene	15.199	225	53387	20.144	ug/l	99
95) Naphthalene	15.329	128	248790	20.058	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	100464	20.127	ug/l	99

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

