

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090525\
 Data File : VD080516.D
 Acq On : 05 Sep 2025 10:24
 Operator : RP/MD
 Sample : VD0905SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

Quant Time: Sep 06 02:59:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082725S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 28 03:02:37 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/08/2025
 Supervised By :Semsettin Yesilyurt 09/08/2025

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

Internal Standards						
1) Pentafluorobenzene	7.870	168	349638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	617935	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	536088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	256976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	177580	45.018	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.040%		
35) Dibromofluoromethane	7.805	113	178151	47.502	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.000%		
50) Toluene-d8	10.270	98	721226	48.470	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.940%		
62) 4-Bromofluorobenzene	12.570	95	221696	47.246	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	65254	21.921	ug/l	95
3) Chloromethane	2.147	50	102521	21.817	ug/l	96
4) Vinyl Chloride	2.288	62	107054	22.075	ug/l	99
5) Bromomethane	2.688	94	59982	22.008	ug/l	99
6) Chloroethane	2.835	64	71484	22.582	ug/l	96
7) Trichlorofluoromethane	3.176	101	121246	21.466	ug/l	95
8) Diethyl Ether	3.594	74	42633	19.048	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.964	101	76021	20.743	ug/l	98
10) Methyl Iodide	4.164	142	78209	18.485	ug/l	98
11) Tert butyl alcohol	5.047	59	27498	96.328	ug/l	98
12) 1,1-Dichloroethene	3.935	96	79071	20.709	ug/l	97
13) Acrolein	3.794	56	24473	80.664	ug/l	98
14) Allyl chloride	4.559	41	124512	18.792	ug/l	96
15) Acrylonitrile	5.253	53	99679	100.003	ug/l	99
16) Acetone	4.023	43	104325	112.968	ug/l	95
17) Carbon Disulfide	4.270	76	249552	19.329	ug/l	100
18) Methyl Acetate	4.564	43	49493	19.044	ug/l	96
19) Methyl tert-butyl Ether	5.317	73	196404	19.602	ug/l	97
20) Methylene Chloride	4.800	84	93797	18.490	ug/l	95
21) trans-1,2-Dichloroethene	5.311	96	86229	19.727	ug/l	95
22) Diisopropyl ether	6.217	45	262213	19.227	ug/l	99
23) Vinyl Acetate	6.153	43	741574	95.558	ug/l	99
24) 1,1-Dichloroethane	6.111	63	153121	19.396	ug/l	98
25) 2-Butanone	7.076	43	140588	107.513	ug/l	93
26) 2,2-Dichloropropane	7.076	77	128629	20.579	ug/l	99
27) cis-1,2-Dichloroethene	7.082	96	102723	19.692	ug/l	100
28) Bromochloromethane	7.423	49	63438	19.719	ug/l	96
29) Tetrahydrofuran	7.447	42	80928	97.938	ug/l	99
30) Chloroform	7.594	83	149285	19.777	ug/l	98
31) Cyclohexane	7.876	56	144292	19.527	ug/l	95
32) 1,1,1-Trichloroethane	7.794	97	126692	20.157	ug/l	98
36) 1,1-Dichloropropene	8.005	75	112212	20.722	ug/l	99
37) Ethyl Acetate	7.164	43	53845	20.678	ug/l	97
38) Carbon Tetrachloride	7.988	117	111241	21.584	ug/l	97
39) Methylcyclohexane	9.276	83	149751	20.777	ug/l	94
40) Benzene	8.247	78	348820	20.241	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	35572	23.009	ug/l	90
42) 1,2-Dichloroethane	8.323	62	88875	21.291	ug/l	98
43) Isopropyl Acetate	8.358	43	104582	19.740	ug/l	99
44) Trichloroethene	9.029	130	87030	20.816	ug/l	100
45) 1,2-Dichloropropane	9.305	63	86209	20.171	ug/l	97
46) Dibromomethane	9.394	93	47230	20.626	ug/l	95
47) Bromodichloromethane	9.582	83	114501	20.512	ug/l	99
48) Methyl methacrylate	9.382	41	52696	20.064	ug/l	97
49) 1,4-Dioxane	9.382	88	12292	434.223	ug/l	99
51) 4-Methyl-2-Pentanone	10.158	43	270261	102.286	ug/l	100
52) Toluene	10.329	92	219084	20.385	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	114739	20.169	ug/l	99
54) cis-1,3-Dichloropropene	10.017	75	136615	20.081	ug/l	96
55) 1,1,2-Trichloroethane	10.729	97	63637	20.729	ug/l	94
56) Ethyl methacrylate	10.599	69	83594	19.543	ug/l	95
57) 1,3-Dichloropropane	10.882	76	112132	20.811	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.864	63	167812	101.381	ug/l	99
59) 2-Hexanone	10.917	43	202131	107.668	ug/l	99
60) Dibromochloromethane	11.070	129	79641	20.584	ug/l	97
61) 1,2-Dibromoethane	11.182	107	60978	20.874	ug/l	99
64) Tetrachloroethene	10.805	164	70538	21.306	ug/l	97
65) Chlorobenzene	11.605	112	240551	21.057	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.676	131	77439	21.252	ug/l	99
67) Ethyl Benzene	11.682	91	413308	20.903	ug/l	97
68) m/p-Xylenes	11.788	106	320439	42.089	ug/l	100
69) o-Xylene	12.117	106	152778	21.029	ug/l	98
70) Styrene	12.135	104	258189	20.890	ug/l	99
71) Bromoform	12.293	173	44769	21.618	ug/l #	99
73) Isopropylbenzene	12.417	105	389090	20.666	ug/l	99
74) N-amyl acetate	12.235	43	98840	19.782	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.670	83	73578	21.020	ug/l	98
76) 1,2,3-Trichloropropane	12.723	75	43133m	20.566	ug/l	
77) Bromobenzene	12.699	156	89639	20.577	ug/l	99
78) n-propylbenzene	12.758	91	467688	20.457	ug/l	99
79) 2-Chlorotoluene	12.846	91	263467	20.224	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	317075	20.725	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.464	75	26703	19.324	ug/l	97
82) 4-Chlorotoluene	12.946	91	271615	20.270	ug/l	99
83) tert-Butylbenzene	13.164	119	278641	20.991	ug/l	98
84) 1,2,4-Trimethylbenzene	13.211	105	314808	20.436	ug/l	99
85) sec-Butylbenzene	13.340	105	411713	20.782	ug/l	100
86) p-Isopropyltoluene	13.458	119	343145	20.706	ug/l	99
87) 1,3-Dichlorobenzene	13.452	146	173978	20.714	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	175588	20.819	ug/l	99
89) n-Butylbenzene	13.782	91	323138	20.469	ug/l	98
90) Hexachloroethane	14.052	117	64727	20.193	ug/l	96
91) 1,2-Dichlorobenzene	13.829	146	153821	20.580	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.434	75	10830	20.617	ug/l	95
93) 1,2,4-Trichlorobenzene	15.093	180	97933	20.913	ug/l	99
94) Hexachlorobutadiene	15.199	225	45904	21.567	ug/l	99
95) Naphthalene	15.329	128	200533	20.130	ug/l	98
96) 1,2,3-Trichlorobenzene	15.517	180	85517	21.332	ug/l	98

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

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