

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090425\
 Data File : VD080507.D
 Acq On : 04 Sep 2025 10:46
 Operator : RP/MD
 Sample : VD0904SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Quant Time: Sep 05 03:42:59 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

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	379061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	682461	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	597631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	276937	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.229	65	193660	45.284	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.560%
35) Dibromofluoromethane	7.805	113	198390	47.912	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.820%
50) Toluene-d8	10.270	98	801400	48.775	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.560%
62) 4-Bromofluorobenzene	12.570	95	251030	48.504	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.935	85	75018	23.245	ug/l	97
3) Chloromethane	2.147	50	111334	21.854	ug/l	100
4) Vinyl Chloride	2.288	62	115020	21.876	ug/l	99
5) Bromomethane	2.688	94	75619	25.592	ug/l	100
6) Chloroethane	2.835	64	75310	21.944	ug/l	97
7) Trichlorofluoromethane	3.176	101	134421	21.951	ug/l	98
8) Diethyl Ether	3.594	74	49234	20.290	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.970	101	81910	20.615	ug/l	95
10) Methyl Iodide	4.165	142	88028	19.190	ug/l	99
11) Tert butyl alcohol	5.053	59	30385	98.179	ug/l #	84
12) 1,1-Dichloroethene	3.941	96	87964	21.250	ug/l	96
13) Acrolein	3.794	56	27743	84.345	ug/l	100
14) Allyl chloride	4.559	41	148805	20.715	ug/l	98
15) Acrylonitrile	5.253	53	107477	99.457	ug/l	99
16) Acetone	4.023	43	99981	99.861	ug/l	95
17) Carbon Disulfide	4.270	76	289016	20.648	ug/l	100
18) Methyl Acetate	4.559	43	66695	23.671	ug/l	97
19) Methyl tert-butyl Ether	5.323	73	223090	20.537	ug/l	100
20) Methylene Chloride	4.806	84	111173	20.214	ug/l	98
21) trans-1,2-Dichloroethene	5.311	96	98362	20.756	ug/l	93
22) Diisopropyl ether	6.217	45	301022	20.360	ug/l	99
23) Vinyl Acetate	6.153	43	807968	96.032	ug/l	98
24) 1,1-Dichloroethane	6.111	63	175591	20.516	ug/l	97
25) 2-Butanone	7.082	43	137184	96.767	ug/l	99
26) 2,2-Dichloropropane	7.076	77	141807	20.927	ug/l	99
27) cis-1,2-Dichloroethene	7.076	96	116458	20.592	ug/l	100
28) Bromochloromethane	7.429	49	71425	20.478	ug/l	96
29) Tetrahydrofuran	7.441	42	89415	99.810	ug/l	99
30) Chloroform	7.594	83	170755	20.866	ug/l	98
31) Cyclohexane	7.876	56	160939	20.090	ug/l	93
32) 1,1,1-Trichloroethane	7.794	97	145944	21.418	ug/l	99
36) 1,1-Dichloropropene	8.005	75	123623	20.671	ug/l	99
37) Ethyl Acetate	7.170	43	58631	20.387	ug/l	98
38) Carbon Tetrachloride	7.994	117	123830	21.755	ug/l	90
39) Methylcyclohexane	9.276	83	168901	21.218	ug/l	99
40) Benzene	8.253	78	396731	20.844	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	35406	20.737	ug/l #	90
42) 1,2-Dichloroethane	8.323	62	97162	21.075	ug/l	100
43) Isopropyl Acetate	8.358	43	114630	19.591	ug/l	98
44) Trichloroethene	9.029	130	97442	21.102	ug/l	96
45) 1,2-Dichloropropane	9.305	63	96848	20.517	ug/l	99
46) Dibromomethane	9.394	93	52161	20.626	ug/l	98
47) Bromodichloromethane	9.582	83	129833	21.059	ug/l	96
48) Methyl methacrylate	9.376	41	56900	19.616	ug/l #	95
49) 1,4-Dioxane	9.388	88	12723	406.954	ug/l	94
51) 4-Methyl-2-Pentanone	10.158	43	296328	101.548	ug/l	99
52) Toluene	10.335	92	251183	21.162	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	126915	20.200	ug/l	99
54) cis-1,3-Dichloropropene	10.017	75	152846	20.342	ug/l	97
55) 1,1,2-Trichloroethane	10.729	97	71286	21.025	ug/l	98
56) Ethyl methacrylate	10.594	69	94450	19.994	ug/l	100
57) 1,3-Dichloropropane	10.876	76	123668	20.782	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	182226	99.681	ug/l	99
59) 2-Hexanone	10.917	43	210084	101.324	ug/l	99
60) Dibromochloromethane	11.076	129	88423	20.693	ug/l	100
61) 1,2-Dibromoethane	11.176	107	67043	20.781	ug/l	97
64) Tetrachloroethene	10.811	164	79488	21.537	ug/l	98
65) Chlorobenzene	11.605	112	270225	21.219	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.676	131	87332	21.499	ug/l	99
67) Ethyl Benzene	11.682	91	466780	21.176	ug/l	99
68) m/p-Xylenes	11.794	106	359716	42.382	ug/l	100
69) o-Xylene	12.117	106	170537	21.056	ug/l	98
70) Styrene	12.135	104	290568	21.088	ug/l	100
71) Bromoform	12.299	173	49580	21.476	ug/l #	99
73) Isopropylbenzene	12.417	105	438191	21.596	ug/l	99
74) N-amyl acetate	12.229	43	108220	20.099	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.670	83	76683	20.328	ug/l	99
76) 1,2,3-Trichloropropane	12.717	75	49578m	21.935	ug/l	
77) Bromobenzene	12.699	156	103121	21.966	ug/l	96
78) n-propylbenzene	12.758	91	530501	21.532	ug/l	99
79) 2-Chlorotoluene	12.846	91	297798	21.211	ug/l	100
80) 1,3,5-Trimethylbenzene	12.899	105	355345	21.552	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.470	75	30625	20.565	ug/l	99
82) 4-Chlorotoluene	12.946	91	303299	21.003	ug/l	98
83) tert-Butylbenzene	13.164	119	310720	21.721	ug/l	98
84) 1,2,4-Trimethylbenzene	13.211	105	357236	21.518	ug/l	99
85) sec-Butylbenzene	13.340	105	465333	21.795	ug/l	100
86) p-Isopropyltoluene	13.458	119	382645	21.425	ug/l	100
87) 1,3-Dichlorobenzene	13.458	146	198103	21.886	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	196824	21.655	ug/l	99
89) n-Butylbenzene	13.782	91	368630	21.667	ug/l	99
90) Hexachloroethane	14.052	117	73896	21.391	ug/l	100
91) 1,2-Dichlorobenzene	13.829	146	171255	21.261	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.446	75	12020	21.233	ug/l	96
93) 1,2,4-Trichlorobenzene	15.093	180	109745	21.746	ug/l	99
94) Hexachlorobutadiene	15.199	225	50632	22.073	ug/l	98
95) Naphthalene	15.329	128	228398	21.275	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	95288	22.056	ug/l	99

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

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