

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR120425\
 Data File : VR026797.D
 Acq On : 4 Dec 2025 16:55
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_R/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 ICVVR120425

Quant Time: Dec 05 04:08:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R120425S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 04:05:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.796	168	424516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.765	114	774842	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.915	117	798848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.118	152	462294	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.166	65	250590	48.519	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.040%	
35) Dibromofluoromethane	7.713	113	221393	50.420	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.840%	
50) Toluene-d8	10.428	98	1044612	50.517	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.040%	
62) 4-Bromofluorobenzene	13.043	95	396369	49.874	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.740%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	220896	46.123	ug/l	92
3) Chloromethane	2.196	50	312408	47.241	ug/l	90
4) Vinyl Chloride	2.326	62	358899	49.429	ug/l	91
5) Bromomethane	2.684	94	244367	39.593	ug/l	97
6) Chloroethane	2.831	64	257627	51.282	ug/l	99
7) Trichlorofluoromethane	3.166	101	568269	49.098	ug/l	92
8) Diethyl Ether	3.565	74	150216	55.466	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.900	101	275833	50.799	ug/l #	82
10) Methyl Iodide	4.100	142	243363	39.251	ug/l	99
11) Tert butyl alcohol	4.952	59	154403m	89.303	ug/l	
12) 1,1-Dichloroethene	3.889	96	273469	51.559	ug/l	96
13) Acrolein	3.765	56	9987	74.401	ug/l	97
14) Allyl chloride	4.470	41	504307	52.064	ug/l	97
15) Acrylonitrile	5.128	53	390222	251.127	ug/l	100
16) Acetone	3.965	43	417905	185.798	ug/l	97
17) Carbon Disulfide	4.200	76	834664	51.537	ug/l	97
18) Methyl Acetate	4.476	43	245319	47.626	ug/l	100
19) Methyl tert-butyl Ether	5.205	73	710784	52.150	ug/l	96
20) Methylene Chloride	4.699	84	311538	48.320	ug/l	91
21) trans-1,2-Dichloroethene	5.187	96	296521	51.324	ug/l	93
22) Diisopropyl ether	6.086	45	1008695	51.236	ug/l #	96
23) Vinyl Acetate	6.021	43	2303081	239.239	ug/l	99
24) 1,1-Dichloroethane	5.968	63	568282	51.380	ug/l	98
25) 2-Butanone	6.961	43	557085	201.066	ug/l	95
26) 2,2-Dichloropropane	6.950	77	447861	46.830	ug/l	96
27) cis-1,2-Dichloroethene	6.950	96	332623	49.313	ug/l	98
28) Bromochloromethane	7.314	49	224180	48.204	ug/l	96
29) Tetrahydrofuran	7.343	42	309307	242.270	ug/l	99
30) Chloroform	7.490	83	518070	50.971	ug/l	96
31) Cyclohexane	7.796	56	604401	50.854	ug/l	95
32) 1,1,1-Trichloroethane	7.702	97	470869	53.277	ug/l	99
36) 1,1-Dichloropropene	7.931	75	398769	49.174	ug/l	96
37) Ethyl Acetate	7.055	43	201579	48.126	ug/l	98
38) Carbon Tetrachloride	7.919	117	384054	53.301	ug/l	96
39) Methylcyclohexane	9.318	83	611211	50.525	ug/l	94
40) Benzene	8.195	78	1232044	49.616	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.285	41	131475	51.772	ug/l	96
42) 1,2-Dichloroethane	8.272	62	318068	51.746	ug/l	98
43) Isopropyl Acetate	8.313	43	423093	49.670	ug/l	99
44) Trichloroethene	9.041	130	288278	48.834	ug/l	94
45) 1,2-Dichloropropane	9.347	63	290554	48.637	ug/l	98
46) Dibromomethane	9.441	93	148834	48.641	ug/l	97
47) Bromodichloromethane	9.652	83	365992	47.952	ug/l #	99
48) Methyl methacrylate	9.429	41	200837	47.912	ug/l	92
49) 1,4-Dioxane	9.435	88	55650	928.188	ug/l #	90
51) 4-Methyl-2-Pentanone	10.299	43	1135708	250.992	ug/l	98
52) Toluene	10.499	92	838374	50.395	ug/l	98
53) t-1,3-Dichloropropene	10.739	75	392537	50.016	ug/l	92
54) cis-1,3-Dichloropropene	10.140	75	446186	47.551	ug/l	98
55) 1,1,2-Trichloroethane	10.945	97	215921	49.058	ug/l	95
56) Ethyl methacrylate	10.798	69	332823	51.103	ug/l	98
57) 1,3-Dichloropropane	11.110	76	389042	48.722	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.970	63	88050	225.475	ug/l	99
59) 2-Hexanone	11.162	43	858828	213.995	ug/l	100
60) Dibromochloromethane	11.333	129	250778	52.703	ug/l	95
61) 1,2-Dibromoethane	11.456	107	201046	48.509	ug/l	99
64) Tetrachloroethene	11.039	164	257275	46.513	ug/l	98
65) Chlorobenzene	11.944	112	918519	46.991	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.032	131	260392	48.784	ug/l	99
67) Ethyl Benzene	12.032	91	1739895	49.489	ug/l	97
68) m/p-Xylenes	12.155	106	1349129	98.076	ug/l	99
69) o-Xylene	12.526	106	638667	48.273	ug/l	95
70) Styrene	12.543	104	1086221	47.925	ug/l	98
71) Bromoform	12.731	173	132664	48.132	ug/l #	94
73) Isopropylbenzene	12.872	105	1762699	55.167	ug/l	98
74) N-amyl acetate	12.649	43	442162	50.556	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.148	83	285244	52.847	ug/l	98
76) 1,2,3-Trichloropropane	13.207	75	251794m	51.358	ug/l	
77) Bromobenzene	13.190	156	372124	54.455	ug/l	97
78) n-propylbenzene	13.260	91	2264299	55.028	ug/l	98
79) 2-Chlorotoluene	13.360	91	1220507	54.826	ug/l	98
80) 1,3,5-Trimethylbenzene	13.413	105	1519029	54.428	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.925	75	94068	50.529	ug/l	93
82) 4-Chlorotoluene	13.472	91	1292075	53.420	ug/l	97
83) tert-Butylbenzene	13.718	119	1373966	54.625	ug/l	99
84) 1,2,4-Trimethylbenzene	13.765	105	1611269	53.786	ug/l	96
85) sec-Butylbenzene	13.918	105	2185161	55.110	ug/l	98
86) p-Isopropyltoluene	14.047	119	1824011	52.230	ug/l	99
87) 1,3-Dichlorobenzene	14.053	146	829886	50.190	ug/l	99
88) 1,4-Dichlorobenzene	14.141	146	851424	48.779	ug/l	98
89) n-Butylbenzene	14.418	91	1973081	54.813	ug/l	99
90) Hexachloroethane	14.729	117	290877	53.305	ug/l	94
91) 1,2-Dichlorobenzene	14.476	146	777984	51.252	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	15.187	75	54755	54.947	ug/l	83
93) 1,2,4-Trichlorobenzene	15.998	180	514592	52.808	ug/l	100
94) Hexachlorobutadiene	16.127	225	247370	54.988	ug/l	95
95) Naphthalene	16.304	128	899539	43.176	ug/l #	94
96) 1,2,3-Trichlorobenzene	16.539	180	427231	51.574	ug/l	99

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

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