

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072825\
 Data File : VN087424.D
 Acq On : 28 Jul 2025 11:31
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jul 28 11:52:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 28 11:35:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	71229	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	402111	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	344799	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	161962	29.735	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.133%
60) 4-Bromofluorobenzene	12.829	95	164833	29.112	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.033%
63) Toluene-d8	10.547	98	487396	30.780	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	2114	0.509	ug/l	92
3) Chloromethane	2.389	50	1898	0.430	ug/l	95
4) Vinyl Chloride	2.542	62	1732	0.388	ug/l #	80
5) Bromomethane	2.995	94	1428	0.656	ug/l	88
7) Trichlorofluoromethane	3.512	101	1450	0.258	ug/l #	81
8) Diethyl Ether	3.959	74	562	0.240	ug/l	41
9) 1,1,2-Trichlorotrifluo...	4.348	101	943	0.308	ug/l	86
10) 1,1-Dichloroethene	4.324	96	748	0.245	ug/l #	55
11) Methyl Iodide	4.577	142	1372	0.497	ug/l #	43
13) Acrolein	4.177	56	2283	4.213	ug/l	85
14) Acrylonitrile	5.712	53	6500	2.256	ug/l #	60
15) Acetone	4.524	58	203	0.304	ug/l	84
16) Carbon Disulfide	4.706	76	19922	1.840	ug/l #	90
18) Methylene Chloride	5.253	84	1015	0.221	ug/l #	65
19) trans-1,2-Dichloroethene	5.777	96	4172	0.964	ug/l #	86
23) tert-Butyl Alcohol	5.518	59	1276	1.143	ug/l #	100
26) Cyclohexane	8.241	56	2945	0.389	ug/l #	24
29) 1,1-Dichloropropene	8.359	75	1915	0.335	ug/l	58
30) 2-Butanone	7.453	43	1196	0.289	ug/l #	1
31) 2,2-Dichloropropane	7.483	77	1472	0.207	ug/l	98
34) Benzene	8.594	78	4395	0.235	ug/l #	1
36) 1,2-Dichloroethane	8.647	62	2162	0.348	ug/l #	78
37) Trichloroethene	9.330	130	1010	0.237	ug/l	84
38) Methylcyclohexane	9.582	83	6671	0.906	ug/l	94
40) Dibromomethane	9.694	93	2320	0.696	ug/l	77
43) Ethyl Acetate	7.559	43	2280	0.269	ug/l #	89
45) 1,4-Dioxane	9.677	88	2677	31.150	ug/l #	70
46) Methyl methacrylate	9.671	41	1756	0.278	ug/l	84
47) n-amyl Acetate	12.388	43	1721	0.308	ug/l	99
49) cis-1,3-Dichloropropene	10.300	75	3005	0.379	ug/l #	69
52) 1,3-Dichloropropane	11.147	76	2177	0.284	ug/l	94
53) Dibromochloromethane	11.341	129	1309	0.257	ug/l	80
54) 1,2-Dibromoethane	11.453	107	1635	0.350	ug/l	84
55) 2-Chloroethyl vinyl ether	10.147	63	3911	1.183	ug/l #	86
58) 4-Methyl-2-Pentanone	10.429	43	10052	1.294	ug/l #	91
59) 2-Hexanone	11.194	43	2659	0.494	ug/l #	70
61) Tetrachloroethene	11.082	164	2159	0.660	ug/l #	68
62) Toluene	10.606	91	6206	0.319	ug/l	96
64) Chlorobenzene	11.882	112	5215	0.436	ug/l #	85

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68) o-Xylene	12.382	106	1916	0.246	ug/l	75
70) Isopropylbenzene	12.676	105	9802	0.490	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.923	83	2104	0.308	ug/l #	70
72) 1,2,3-Trichloropropane	12.976	75	1811	0.292	ug/l	1
73) Bromobenzene	12.959	156	2364	0.508	ug/l	70
74) n-propylbenzene	13.018	91	16877	0.683	ug/l	97
75) 2-Chlorotoluene	13.106	91	6801	0.464	ug/l	80
76) 1,3,5-Trimethylbenzene	13.159	105	11548	0.696	ug/l	93
78) 4-Chlorotoluene	13.200	91	9024	0.599	ug/l	90
79) tert-butylbenzene	13.418	119	10838	0.756	ug/l	86
80) 1,2,4-Trimethylbenzene	13.459	105	10608	0.645	ug/l	97
81) sec-Butylbenzene	13.600	105	18770	0.882	ug/l	94
82) p-Isopropyltoluene	13.706	119	15352	0.889	ug/l	97
83) 1,3-Dichlorobenzene	13.794	146	8309	0.944	ug/l	93
84) 1,4-Dichlorobenzene	13.794	146	8309	0.903	ug/l	93
85) n-Butylbenzene	14.035	91	20398	1.173	ug/l	98
86) Hexachloroethane	14.317	117	3458	0.986	ug/l	88
87) 1,2-Dichlorobenzene	13.794	146	8309	0.971	ug/l	93
88) 1,2-Dibromo-3-Chloropr...	14.694	75	1714	1.088	ug/l #	13
89) 1,2,4-Trichlorobenzene	15.811	180	10094	1.934	ug/l	94
90) Hexachlorobutadiene	15.476	225	5104	2.569	ug/l	93
91) Naphthalene	15.617	128	44025	2.232	ug/l #	92
92) 1,2,3-Trichlorobenzene	15.811	180	10094	1.934	ug/l	94

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

