

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072722\
 Data File : VN073604.D
 Acq On : 27 Jul 2022 13:32
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jul 27 14:55:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 27 13:35:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.587	128	58585	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	304714	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	262921	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.375	65	149853	29.584	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.600%
60) 4-Bromofluorobenzene	12.675	95	121549	26.109	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.033%
63) Toluene-d8	10.381	98	448351	30.285	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.933%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.052	85	2617	0.657	ug/l	92
3) Chloromethane	2.263	50	3569	0.678	ug/l #	87
4) Vinyl Chloride	2.405	62	3014	0.466	ug/l	93
7) Trichlorofluoromethane	3.322	101	3361	0.529	ug/l #	80
9) 1,1,2-Trichlorotrifluo...	4.140	101	2189	0.571	ug/l #	52
10) 1,1-Dichloroethene	4.116	96	1384	0.377	ug/l #	50
11) Methyl Iodide	4.357	142	2027	0.479	ug/l #	83
12) Methyl Acetate	4.769	43	1408	0.226	ug/l #	49
13) Acrolein	3.987	56	1432	1.307	ug/l	90
14) Acrylonitrile	5.481	53	6028	2.095	ug/l	98
15) Acetone	4.240	58	1626	2.033	ug/l #	22
16) Carbon Disulfide	4.463	76	15647	1.561	ug/l	98
18) Methylene Chloride	5.010	84	3839	0.826	ug/l #	89
19) trans-1,2-Dichloroethene	5.528	96	1326	0.326	ug/l #	73
21) 1,1-Dichloroethane	6.298	63	1671	0.213	ug/l #	84
22) cis-1,2-Dichloroethene	7.251	96	1528	0.312	ug/l #	1
23) tert-Butyl Alcohol	5.293	59	1056	1.039	ug/l #	100
25) Chloroform	7.740	83	1898	0.234	ug/l #	81
26) Cyclohexane	8.028	56	1728	0.255	ug/l #	25
29) 1,1-Dichloropropene	8.157	75	2233	0.392	ug/l	64
30) 2-Butanone	7.269	43	5923	1.505	ug/l	92
31) 2,2-Dichloropropane	7.234	77	2679	0.451	ug/l #	53
32) 1,1,1-Trichloroethane	7.945	97	1727	0.262	ug/l #	77
33) Carbon Tetrachloride	8.140	117	1976	0.350	ug/l #	74
34) Benzene	8.392	78	6917	0.375	ug/l #	1
36) 1,2-Dichloroethane	8.463	62	2574	0.424	ug/l #	93
37) Trichloroethene	9.151	130	3407	0.752	ug/l	89
38) Methylcyclohexane	9.392	83	3173	0.449	ug/l	97
39) 1,2-Dichloropropane	9.422	63	1194	0.257	ug/l	90
40) Dibromomethane	9.516	93	1765	0.560	ug/l	91
41) Bromodichloromethane	9.704	83	1804	0.292	ug/l #	83
42) Vinyl Acetate	6.351	43	13291	1.172	ug/l	99
44) Isopropyl Acetate	8.492	43	2756	0.265	ug/l #	82
45) 1,4-Dioxane	9.504	88	517	4.173	ug/l #	38
46) Methyl methacrylate	9.498	41	2110	0.454	ug/l	76
47) n-amyl Acetate	12.333	43	6711	0.810	ug/l	94
48) t-1,3-Dichloropropene	10.663	75	2840	0.447	ug/l	91
49) cis-1,3-Dichloropropene	10.133	75	2275	0.322	ug/l #	88
50) 1,1,2-Trichloroethane	10.845	97	1699	0.359	ug/l #	86

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Ethyl methacrylate	10.698	69	2223	0.312	ug/l	85
52) 1,3-Dichloropropane	10.992	76	2982	0.374	ug/l	97
54) 1,2-Dibromoethane	11.280	107	1315	0.273	ug/l #	54
55) 2-Chloroethyl vinyl ether	9.986	63	1006	0.315	ug/l #	82
56) Bromoform	12.392	173	1431	0.380	ug/l #	93
58) 4-Methyl-2-Pentanone	10.275	43	12060	1.774	ug/l	97
59) 2-Hexanone	11.028	43	17451	3.333	ug/l	99
61) Tetrachloroethene	10.916	164	3464	0.860	ug/l	97
62) Toluene	10.445	91	9206	0.504	ug/l	91
64) Chlorobenzene	11.710	112	7379	0.675	ug/l #	88
65) 1,1,1,2-Tetrachloroethane	11.780	131	1366	0.337	ug/l	74
66) Ethyl Benzene	11.786	91	9266	0.474	ug/l	97
67) m/p-Xylenes	11.892	106	7598	1.017	ug/l	99
68) o-Xylene	12.222	106	3284	0.443	ug/l	93
69) Styrene	12.239	104	6571	0.537	ug/l	91
70) Isopropylbenzene	12.516	105	8036	0.424	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.774	83	4201	0.630	ug/l	91
72) 1,2,3-Trichloropropane	12.827	75	5217	0.936	ug/l	78
73) Bromobenzene	12.804	156	4512	0.957	ug/l	86
74) n-propylbenzene	12.863	91	13420	0.608	ug/l	92
75) 2-Chlorotoluene	12.951	91	8985	0.679	ug/l	89
76) 1,3,5-Trimethylbenzene	12.998	105	7381	0.464	ug/l	94
77) t-1,4-Dichloro-2-butene	12.569	75	425	0.209	ug/l	72
78) 4-Chlorotoluene	13.045	91	10881	0.856	ug/l	94
79) tert-butylbenzene	13.263	119	5679	0.413	ug/l	93
80) 1,2,4-Trimethylbenzene	13.310	105	8539	0.489	ug/l #	79
81) sec-Butylbenzene	13.439	105	10015	0.508	ug/l	81
82) p-Isopropyltoluene	13.563	119	8711	0.538	ug/l	97
83) 1,3-Dichlorobenzene	13.557	146	11167	1.294	ug/l	90
84) 1,4-Dichlorobenzene	13.633	146	11309	1.359	ug/l	93
85) n-Butylbenzene	13.880	91	11591	0.883	ug/l	94
86) Hexachloroethane	14.151	117	1321	0.445	ug/l	82
87) 1,2-Dichlorobenzene	13.927	146	9775	1.121	ug/l	94
88) 1,2-Dibromo-3-Chloropr...	14.545	75	2496	1.713	ug/l	84
89) 1,2,4-Trichlorobenzene	15.204	180	17458	3.637	ug/l	94
90) Hexachlorobutadiene	15.298	225	3725	1.532	ug/l	97
91) Naphthalene	15.439	128	86665	5.499	ug/l	98
92) 1,2,3-Trichlorobenzene	15.627	180	21945	4.450	ug/l	97

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

