

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072922\
 Data File : VN073632.D
 Acq On : 29 Jul 2022 14:07
 Operator : JC\MD
 Sample : VN0729WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0729WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/01/2022
 Supervised By : Mahesh Dadoda 08/01/2022

Quant Time: Aug 01 03:37:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 27 18:07:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.581	128	55341	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	294701	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	272356	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	142100	29.698	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	99.000%	
60) 4-Bromofluorobenzene	12.674	95	143220	29.698	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	99.000%	
63) Toluene-d8	10.380	98	462887	30.183	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	100.600%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	71566	19.026	ug/l	98
3) Chloromethane	2.269	50	94108	18.923	ug/l	92
4) Vinyl Chloride	2.405	62	115989	19.002	ug/l	100
5) Bromomethane	2.810	94	74792	24.119	ug/l	92
6) Chloroethane	2.969	64	80376	19.435	ug/l	95
7) Trichlorofluoromethane	3.316	101	121471	20.232	ug/l	96
8) Diethyl Ether	3.769	74	47841	19.802	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.146	101	66478	18.366	ug/l #	66
10) 1,1-Dichloroethene	4.110	96	65421	18.882	ug/l	96
11) Methyl Iodide	4.351	142	71569	17.908	ug/l	92
12) Methyl Acetate	4.775	43	115042	19.537	ug/l	97
13) Acrolein	3.987	56	123637	119.442	ug/l	98
14) Acrylonitrile	5.481	53	263233	96.862	ug/l	99
15) Acetone	4.222	58	74170	98.173	ug/l	89
16) Carbon Disulfide	4.457	76	172523	18.221	ug/l #	93
17) Allyl chloride	4.769	41	101370	17.541	ug/l	86
18) Methylene Chloride	5.022	84	87644	19.964	ug/l	93
19) trans-1,2-Dichloroethene	5.516	96	71553	18.627	ug/l	90
20) Diisopropyl ether	6.416	45	239299	19.035	ug/l	92
21) 1,1-Dichloroethane	6.304	63	140975	19.003	ug/l	99
22) cis-1,2-Dichloroethene	7.245	96	89872	19.448	ug/l	93
23) tert-Butyl Alcohol	5.293	59	97539	101.560	ug/l #	100
24) Methyl tert-Butyl Ether	5.534	73	246458	20.185	ug/l	93
25) Chloroform	7.745	83	148654	19.413	ug/l	99
26) Cyclohexane	8.022	56	113426	17.726	ug/l #	95
29) 1,1-Dichloropropene	8.151	75	101699	18.469	ug/l	98
30) 2-Butanone	7.257	43	375703	98.699	ug/l	99
31) 2,2-Dichloropropane	7.251	77	103301	17.979	ug/l	98
32) 1,1,1-Trichloroethane	7.939	97	125206	19.645	ug/l	99
33) Carbon Tetrachloride	8.134	117	103397	18.919	ug/l	95
34) Benzene	8.392	78	331413	18.599	ug/l	98
35) Methacrylonitrile	7.563	41	64380	20.835	ug/l	94
36) 1,2-Dichloroethane	8.463	62	113788	19.366	ug/l #	94
37) Trichloroethene	9.151	130	84770	19.338	ug/l	97
38) Methylcyclohexane	9.398	83	119832	17.531	ug/l	97
39) 1,2-Dichloropropane	9.428	63	85357	18.988	ug/l	96
40) Dibromomethane	9.516	93	59521	19.513	ug/l	88
41) Bromodichloromethane	9.698	83	112920	18.911	ug/l	97
42) Vinyl Acetate	6.351	43	1033211	94.196	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.340	43	142810	19.762	ug/l	97
44) Isopropyl Acetate	8.492	43	197721	19.675	ug/l	95
45) 1,4-Dioxane	9.504	88	51969	433.710	ug/l	95
46) Methyl methacrylate	9.498	41	82337	18.322	ug/l	84
47) n-amyl Acetate	12.333	43	143478	17.909	ug/l	94
48) t-1,3-Dichloropropene	10.657	75	111972	18.215	ug/l	97
49) cis-1,3-Dichloropropene	10.128	75	127269	18.646	ug/l #	89
50) 1,1,2-Trichloroethane	10.839	97	90813	19.844	ug/l	98
51) Ethyl methacrylate	10.704	69	132574	19.269	ug/l	86
52) 1,3-Dichloropropane	10.986	76	149724	19.411	ug/l	98
53) Dibromochloromethane	11.180	129	88251	19.029	ug/l	98
54) 1,2-Dibromoethane	11.286	107	92709	19.879	ug/l	98
55) 2-Chloroethyl vinyl ether	9.981	63	307369	99.608	ug/l	98
56) Bromoform	12.398	173	69055	18.948	ug/l #	97
58) 4-Methyl-2-Pentanone	10.269	43	704848	100.087	ug/l	94
59) 2-Hexanone	11.028	43	544274	100.340	ug/l	93
61) Tetrachloroethene	10.916	164	83674	20.057	ug/l	92
62) Toluene	10.445	91	374924	19.795	ug/l	99
64) Chlorobenzene	11.710	112	225999	19.971	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.780	131	82277	19.587	ug/l	97
66) Ethyl Benzene	11.786	91	387483	19.137	ug/l	98
67) m/p-Xylenes	11.898	106	302994	39.151	ug/l	97
68) o-Xylene	12.222	106	150263	19.548	ug/l	97
69) Styrene	12.233	104	241522	19.063	ug/l	96
70) Isopropylbenzene	12.522	105	384576	19.569	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.769	83	139422	20.176	ug/l	97
72) 1,2,3-Trichloropropane	12.822	75	105744m	18.323	ug/l	
73) Bromobenzene	12.798	156	95220	19.505	ug/l	95
74) n-propylbenzene	12.863	91	430132	18.807	ug/l	100
75) 2-Chlorotoluene	12.945	91	267238	19.492	ug/l	98
76) 1,3,5-Trimethylbenzene	13.004	105	316748	19.242	ug/l	95
77) t-1,4-Dichloro-2-butene	12.569	75	38689	18.395	ug/l	94
78) 4-Chlorotoluene	13.045	91	247239	18.772	ug/l	100
79) tert-butylbenzene	13.263	119	288645	20.282	ug/l	93
80) 1,2,4-Trimethylbenzene	13.310	105	315944m	19.377	ug/l	
81) sec-Butylbenzene	13.439	105	378470	18.521	ug/l	98
82) p-Isopropyltoluene	13.557	119	313637	18.695	ug/l	96
83) 1,3-Dichlorobenzene	13.557	146	170826	19.116	ug/l	97
84) 1,4-Dichlorobenzene	13.633	146	163895	19.013	ug/l	98
85) n-Butylbenzene	13.880	91	233231	17.150	ug/l	97
86) Hexachloroethane	14.151	117	56737	18.441	ug/l	78
87) 1,2-Dichlorobenzene	13.927	146	175397	19.414	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.539	75	30121	19.956	ug/l #	81
89) 1,2,4-Trichlorobenzene	15.198	180	90336	18.167	ug/l	97
90) Hexachlorobutadiene	15.304	225	47532	18.873	ug/l	98
91) Naphthalene	15.433	128	326805	20.016	ug/l	98
92) 1,2,3-Trichlorobenzene	15.627	180	97943	19.174	ug/l	98

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

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