

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101823\
 Data File : VN079596.D
 Acq On : 18 Oct 2023 12:28
 Operator : JC\MD
 Sample : VN1018WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

10/19/2023
 Supervised By :Mahesh
 Dadoda

Quant Time: Oct 19 06:12:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.824	128	21639	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	163074	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	198204	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	93932	30.531	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 101.767%	
60) 4-Bromofluorobenzene	12.853	95	111920	30.878	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 102.933%	
63) Toluene-d8	10.571	98	255693	30.106	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.367%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	68709	21.895	ug/l	94
3) Chloromethane	2.366	50	83219	20.461	ug/l	99
4) Vinyl Chloride	2.519	62	90565	20.632	ug/l	97
5) Bromomethane	2.960	94	54579	20.054	ug/l	90
6) Chloroethane	3.124	64	63248	20.471	ug/l	93
7) Trichlorofluoromethane	3.495	101	114865	21.445	ug/l	96
8) Diethyl Ether	3.960	74	40752	20.992	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	67332	21.971	ug/l	98
10) 1,1-Dichloroethene	4.348	96	61406	21.061	ug/l	92
11) Methyl Iodide	4.589	142	69962	21.673	ug/l	99
12) Methyl Acetate	5.030	43	143111	20.361	ug/l	93
13) Acrolein	4.183	56	66145	113.841	ug/l	99
14) Acrylonitrile	5.724	53	179622	106.712	ug/l	98
15) Acetone	4.430	58	57386	107.622	ug/l	87
16) Carbon Disulfide	4.712	76	180482	20.300	ug/l	98
17) Allyl chloride	5.030	41	92288	20.530	ug/l	95
18) Methylene Chloride	5.283	84	78320	21.824	ug/l	95
19) trans-1,2-Dichloroethene	5.789	96	71487	21.916	ug/l	97
20) Diisopropyl ether	6.677	45	234308	21.982	ug/l	96
21) 1,1-Dichloroethane	6.571	63	139214	21.493	ug/l	98
22) cis-1,2-Dichloroethene	7.495	96	80976	21.553	ug/l	95
23) tert-Butyl Alcohol	5.524	59	51001	90.610	ug/l #	100
24) Methyl tert-Butyl Ether	5.807	73	204710	20.925	ug/l	100
25) Chloroform	7.971	83	142017	21.699	ug/l	87
26) Cyclohexane	8.259	56	103210	21.079	ug/l #	98
29) 1,1-Dichloropropene	8.377	75	104027	21.829	ug/l	100
30) 2-Butanone	7.489	43	242973	101.713	ug/l	98
31) 2,2-Dichloropropane	7.495	77	112579	20.952	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	121990	21.537	ug/l	99
33) Carbon Tetrachloride	8.359	117	102718	21.323	ug/l	98
34) Benzene	8.612	78	312475	21.581	ug/l	96
35) Methacrylonitrile	7.777	41	49000m	19.499	ug/l	
36) 1,2-Dichloroethane	8.677	62	110988	21.469	ug/l	99
37) Trichloroethene	9.359	130	73278	21.651	ug/l	97
38) Methylcyclohexane	9.606	83	94687	20.636	ug/l	99
39) 1,2-Dichloropropane	9.630	63	82763	21.660	ug/l	94
40) Dibromomethane	9.712	93	55683	22.206	ug/l	97
41) Bromodichloromethane	9.895	83	113378	21.817	ug/l	100
42) Vinyl Acetate	6.606	43	632046	104.303	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	97654	21.740	ug/l	97
44) Isopropyl Acetate	8.695	43	156241	19.567	ug/l	96
45) 1,4-Dioxane	9.700	88	25804	412.835	ug/l	93
46) Methyl methacrylate	9.683	41	73935	20.871	ug/l	96
47) n-amyl Acetate	12.500	43	118662	20.591	ug/l	97
48) t-1,3-Dichloropropene	10.842	75	108996	20.747	ug/l	95
49) cis-1,3-Dichloropropene	10.318	75	122538	21.331	ug/l	93
50) 1,1,2-Trichloroethane	11.018	97	72576	20.863	ug/l	88
51) Ethyl methacrylate	10.877	69	99655	20.763	ug/l	96
52) 1,3-Dichloropropane	11.165	76	130048	21.102	ug/l	100
53) Dibromochloromethane	11.359	129	77781	21.877	ug/l	99
54) 1,2-Dibromoethane	11.477	107	72684	21.179	ug/l	97
55) 2-Chloroethyl vinyl ether	10.165	63	177809	97.101	ug/l	98
56) Bromoform	12.583	173	50059	21.283	ug/l	97
58) 4-Methyl-2-Pentanone	10.447	43	494203	106.900	ug/l	100
59) 2-Hexanone	11.200	43	356865	105.220	ug/l	99
61) Tetrachloroethene	11.106	164	60819	22.349	ug/l	97
62) Toluene	10.636	91	331560	21.888	ug/l	100
64) Chlorobenzene	11.894	112	187644	21.358	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.965	131	72283	21.599	ug/l	98
66) Ethyl Benzene	11.965	91	336335	21.550	ug/l	96
67) m/p-Xylenes	12.077	106	259085	44.882	ug/l	94
68) o-Xylene	12.400	106	120526	21.840	ug/l	98
69) Styrene	12.418	104	204128	23.300	ug/l	98
70) Isopropylbenzene	12.700	105	309041	21.821	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	108963	21.638	ug/l	100
72) 1,2,3-Trichloropropane	13.000	75	97688m	21.362	ug/l	
73) Bromobenzene	12.988	156	73631	22.132	ug/l	98
74) n-propylbenzene	13.041	91	374104	22.689	ug/l	100
75) 2-Chlorotoluene	13.130	91	225859	22.034	ug/l	100
76) 1,3,5-Trimethylbenzene	13.177	105	261811	22.614	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	29800	21.351	ug/l	94
78) 4-Chlorotoluene	13.224	91	215959	22.299	ug/l	99
79) tert-butylbenzene	13.441	119	200518	21.542	ug/l	99
80) 1,2,4-Trimethylbenzene	13.488	105	255523	22.778	ug/l	100
81) sec-Butylbenzene	13.618	105	289753	22.173	ug/l	100
82) p-Isopropyltoluene	13.735	119	235549	22.724	ug/l	99
83) 1,3-Dichlorobenzene	13.741	146	122191	22.336	ug/l	98
84) 1,4-Dichlorobenzene	13.818	146	117393	22.384	ug/l	99
85) n-Butylbenzene	14.059	91	175741	21.699	ug/l	98
86) Hexachloroethane	14.335	117	47999	21.419	ug/l	100
87) 1,2-Dichlorobenzene	14.112	146	126034	23.178	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.724	75	15994	20.844	ug/l	98
89) 1,2,4-Trichlorobenzene	15.847	180	37031	19.321	ug/l	96
90) Hexachlorobutadiene	15.506	225	29594	21.799	ug/l	99
91) Naphthalene	15.647	128	79600	16.100	ug/l	99
92) 1,2,3-Trichlorobenzene	15.847	180	37031	19.321	ug/l	96

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

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