

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101524\
 Data File : VN084414.D
 Acq On : 15 Oct 2024 14:15
 Operator : JC\MD
 Sample : VN1015WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/16/2024
 Supervised By : Mahesh Dadoda 10/16/2024

Quant Time: Oct 16 01:24:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:22:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	28554	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	151560	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	142222	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	69607	30.279	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.933%			
60) 4-Bromofluorobenzene	12.847	95	71326	30.387	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.300%			
63) Toluene-d8	10.565	98	199658	30.303	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	34764	19.941	ug/l	96
3) Chloromethane	2.359	50	40847	20.589	ug/l	97
4) Vinyl Chloride	2.512	62	39295	20.198	ug/l	98
5) Bromomethane	2.959	94	25833	20.042	ug/l	94
6) Chloroethane	3.118	64	26822	21.030	ug/l	97
7) Trichlorofluoromethane	3.494	101	66195	20.888	ug/l	95
8) Diethyl Ether	3.965	74	23978	20.580	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	37157	20.853	ug/l	100
10) 1,1-Dichloroethene	4.341	96	36351	20.446	ug/l	83
11) Methyl Iodide	4.589	142	46840	20.047	ug/l	98
12) Methyl Acetate	5.024	43	51849	23.295	ug/l	94
13) Acrolein	4.183	56	50707	122.638	ug/l	94
14) Acrylonitrile	5.724	53	107002	107.005	ug/l	98
15) Acetone	4.436	58	36938	129.310	ug/l	99
16) Carbon Disulfide	4.712	76	100428	18.969	ug/l	99
17) Allyl chloride	5.024	41	55096	19.117	ug/l	97
18) Methylene Chloride	5.277	84	43095	21.517	ug/l	92
19) trans-1,2-Dichloroethene	5.788	96	37910	20.147	ug/l	95
20) Diisopropyl ether	6.671	45	131717	21.256	ug/l	95
21) 1,1-Dichloroethane	6.565	63	73247	20.600	ug/l	95
22) cis-1,2-Dichloroethene	7.488	96	46165	21.084	ug/l	98
23) tert-Butyl Alcohol	5.530	59	40932m	106.714	ug/l	
24) Methyl tert-Butyl Ether	5.794	73	122514	20.620	ug/l #	85
25) Chloroform	7.965	83	77303	21.466	ug/l	98
26) Cyclohexane	8.259	56	55458	18.649	ug/l #	92
29) 1,1-Dichloropropene	8.365	75	50054	20.118	ug/l	98
30) 2-Butanone	7.482	43	153065	115.551	ug/l	100
31) 2,2-Dichloropropane	7.488	77	65128	22.276	ug/l #	80
32) 1,1,1-Trichloroethane	8.171	97	69335	21.803	ug/l	99
33) Carbon Tetrachloride	8.365	117	58812	21.347	ug/l	98
34) Benzene	8.606	78	166629	21.395	ug/l	96
35) Methacrylonitrile	7.777	41	31038	21.963	ug/l	95
36) 1,2-Dichloroethane	8.671	62	57152	22.016	ug/l	99
37) Trichloroethene	9.353	130	38562	21.503	ug/l	95
38) Methylcyclohexane	9.600	83	53315	19.509	ug/l	98
39) 1,2-Dichloropropane	9.618	63	41040	21.609	ug/l	99
40) Dibromomethane	9.712	93	29396	22.146	ug/l	99
41) Bromodichloromethane	9.888	83	62727	22.261	ug/l	93
42) Vinyl Acetate	6.600	43	471552	102.355	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	56109	21.477	ug/l	97
44) Isopropyl Acetate	8.688	43	92896	21.725	ug/l	100
45) 1,4-Dioxane	9.694	88	18442	478.439	ug/l	95
46) Methyl methacrylate	9.676	41	44421	21.501	ug/l	96
47) n-amyl Acetate	12.494	43	78755	20.707	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	59405	20.401	ug/l	95
49) cis-1,3-Dichloropropene	10.312	75	66078	21.653	ug/l #	94
50) 1,1,2-Trichloroethane	11.018	97	40419	22.655	ug/l	98
51) Ethyl methacrylate	10.876	69	60431	20.506	ug/l	94
52) 1,3-Dichloropropane	11.165	76	69509	22.282	ug/l	99
53) Dibromochloromethane	11.359	129	46718	22.167	ug/l	99
54) 1,2-Dibromoethane	11.470	107	40277	21.932	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	126342	94.526	ug/l	98
56) Bromoform	12.576	173	30145	21.566	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	293305	110.707	ug/l	100
59) 2-Hexanone	11.194	43	220986	112.250	ug/l	100
61) Tetrachloroethene	11.106	164	33678	20.934	ug/l	93
62) Toluene	10.629	91	175785	21.113	ug/l	99
64) Chlorobenzene	11.888	112	109158	21.068	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	39026	21.681	ug/l	99
66) Ethyl Benzene	11.965	91	183880	20.328	ug/l	96
67) m/p-Xylenes	12.070	106	145324	42.350	ug/l	98
68) o-Xylene	12.400	106	68413	20.683	ug/l	98
69) Styrene	12.412	104	117378	20.672	ug/l	99
70) Isopropylbenzene	12.694	105	173943	20.600	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	59514	22.783	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	49021m	21.912	ug/l	
73) Bromobenzene	12.982	156	43245	21.147	ug/l	99
74) n-propylbenzene	13.035	91	209365	20.807	ug/l	100
75) 2-Chlorotoluene	13.123	91	129924	20.779	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	150765	21.205	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	20359	21.297	ug/l	98
78) 4-Chlorotoluene	13.217	91	131572	20.697	ug/l	98
79) tert-butylbenzene	13.435	119	125167	20.636	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	151367	20.983	ug/l	98
81) sec-Butylbenzene	13.617	105	172756	20.687	ug/l	98
82) p-Isopropyltoluene	13.729	119	144825	20.605	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	79292	20.853	ug/l	97
84) 1,4-Dichlorobenzene	13.811	146	78565	20.807	ug/l	100
85) n-Butylbenzene	14.059	91	119043	19.554	ug/l	99
86) Hexachloroethane	14.329	117	28608	21.126	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	78484	21.348	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11440	21.416	ug/l	96
89) 1,2,4-Trichlorobenzene	15.835	180	37661	19.703	ug/l	99
90) Hexachlorobutadiene	15.500	225	18055	20.417	ug/l	98
91) Naphthalene	15.641	128	120915	18.667	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	37661	19.703	ug/l	99

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

