

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090624\
 Data File : VN083697.D
 Acq On : 06 Sep 2024 15:37
 Operator : JC\MD
 Sample : VN0906WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/09/2024
 Supervised By : Mahesh Dadoda 09/09/2024

Quant Time: Sep 06 23:47:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	29106	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	166699	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	150113	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	81150	30.502	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.667%			
60) 4-Bromofluorobenzene	12.847	95	75612	29.226	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.433%			
63) Toluene-d8	10.565	98	208467	29.992	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.967%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	35372	18.147	ug/l	95
3) Chloromethane	2.360	50	37656	18.594	ug/l	96
4) Vinyl Chloride	2.512	62	37914	18.211	ug/l	91
5) Bromomethane	2.901	94	21211	18.235	ug/l	92
6) Chloroethane	3.065	64	26113	18.730	ug/l	100
7) Trichlorofluoromethane	3.465	101	65003	18.623	ug/l	94
8) Diethyl Ether	3.954	74	24255	20.451	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.353	101	34732	18.525	ug/l	85
10) 1,1-Dichloroethene	4.324	96	33246	18.378	ug/l	87
11) Methyl Iodide	4.571	142	44233	18.002	ug/l	94
12) Methyl Acetate	5.018	43	41715	19.121	ug/l #	83
13) Acrolein	4.171	56	33320	104.651	ug/l	98
14) Acrylonitrile	5.718	53	85395	96.724	ug/l	98
15) Acetone	4.436	58	23214	79.264	ug/l	71
16) Carbon Disulfide	4.695	76	89206	17.449	ug/l	98
17) Allyl chloride	5.012	41	54550	17.196	ug/l	88
18) Methylene Chloride	5.265	84	38251	19.327	ug/l	89
19) trans-1,2-Dichloroethene	5.777	96	34394	18.344	ug/l	90
20) Diisopropyl ether	6.665	45	122276	19.086	ug/l	97
21) 1,1-Dichloroethane	6.565	63	67578	18.475	ug/l	95
22) cis-1,2-Dichloroethene	7.483	96	43529	19.075	ug/l	96
23) tert-Butyl Alcohol	5.536	59	31417	96.972	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	125000	19.445	ug/l #	87
25) Chloroform	7.965	83	72587	18.726	ug/l	99
26) Cyclohexane	8.247	56	58101	18.035	ug/l #	89
29) 1,1-Dichloropropene	8.365	75	47769	18.066	ug/l	98
30) 2-Butanone	7.483	43	117656	94.398	ug/l	96
31) 2,2-Dichloropropane	7.489	77	60086	17.824	ug/l #	79
32) 1,1,1-Trichloroethane	8.165	97	67108	19.005	ug/l	98
33) Carbon Tetrachloride	8.359	117	58282	19.059	ug/l	92
34) Benzene	8.600	78	151691	19.121	ug/l	97
35) Methacrylonitrile	7.771	41	28817	20.567	ug/l	89
36) 1,2-Dichloroethane	8.671	62	58142	19.495	ug/l #	94
37) Trichloroethene	9.347	130	36090	19.372	ug/l	99
38) Methylcyclohexane	9.600	83	57712	18.231	ug/l	96
39) 1,2-Dichloropropane	9.624	63	37071	19.415	ug/l	99
40) Dibromomethane	9.706	93	27082	19.398	ug/l	93
41) Bromodichloromethane	9.888	83	57140	19.247	ug/l	100
42) Vinyl Acetate	6.600	43	468700	91.462	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	49687	19.806	ug/l	97
44) Isopropyl Acetate	8.688	43	85843	19.784	ug/l	92
45) 1,4-Dioxane	9.700	88	13217	390.538	ug/l	95
46) Methyl methacrylate	9.677	41	41214	19.624	ug/l	80
47) n-amyl Acetate	12.494	43	73781	19.196	ug/l	90
48) t-1,3-Dichloropropene	10.835	75	57009	18.256	ug/l	92
49) cis-1,3-Dichloropropene	10.312	75	60232	18.546	ug/l #	85
50) 1,1,2-Trichloroethane	11.018	97	34332	19.326	ug/l	96
51) Ethyl methacrylate	10.871	69	57680	19.005	ug/l	79
52) 1,3-Dichloropropane	11.159	76	62886	19.602	ug/l	100
53) Dibromochloromethane	11.359	129	40850	19.171	ug/l	98
54) 1,2-Dibromoethane	11.465	107	35951	19.562	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	120944	99.991	ug/l	98
56) Bromoform	12.576	173	24774	18.301	ug/l #	97
58) 4-Methyl-2-Pentanone	10.447	43	237197	99.653	ug/l #	89
59) 2-Hexanone	11.194	43	173097	96.244	ug/l	88
61) Tetrachloroethene	11.106	164	28089	17.681	ug/l	94
62) Toluene	10.630	91	163101	18.903	ug/l	98
64) Chlorobenzene	11.888	112	98210	18.384	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.959	131	35141	18.883	ug/l	98
66) Ethyl Benzene	11.959	91	179844	18.329	ug/l	96
67) m/p-Xylenes	12.071	106	130214	36.071	ug/l	95
68) o-Xylene	12.394	106	65102	18.634	ug/l	96
69) Styrene	12.412	104	107401	18.193	ug/l	99
70) Isopropylbenzene	12.694	105	168015	18.223	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	49692	19.733	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	43516m	19.709	ug/l	
73) Bromobenzene	12.976	156	39982	18.879	ug/l	95
74) n-propylbenzene	13.035	91	190016	17.605	ug/l	99
75) 2-Chlorotoluene	13.124	91	124666	18.507	ug/l	100
76) 1,3,5-Trimethylbenzene	13.171	105	139341	18.092	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	17638	18.900	ug/l	86
78) 4-Chlorotoluene	13.218	91	121651	17.808	ug/l	99
79) tert-butylbenzene	13.435	119	126041	18.715	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	144616	18.581	ug/l	99
81) sec-Butylbenzene	13.618	105	161813	17.588	ug/l	100
82) p-Isopropyltoluene	13.729	119	136357	17.616	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	72238	17.723	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	71091	17.446	ug/l	99
85) n-Butylbenzene	14.053	91	115436	16.899	ug/l	98
86) Hexachloroethane	14.335	117	26553	18.102	ug/l	88
87) 1,2-Dichlorobenzene	14.106	146	73503	18.582	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.718	75	10705	19.343	ug/l	91
89) 1,2,4-Trichlorobenzene	15.835	180	36139	16.676	ug/l	99
90) Hexachlorobutadiene	15.500	225	15347	17.110	ug/l	98
91) Naphthalene	15.635	128	121160	17.101	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	36139	16.676	ug/l	99

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

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