

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090624\
 Data File : VN083690.D
 Acq On : 06 Sep 2024 11:58
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 06 23:30:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:27:49 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

09/09/2024
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Bromochloromethane	7.818	128	31398	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	189169	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	174274	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	87679	30.550	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.833%
60) 4-Bromofluorobenzene	12.847	95	93633	31.174	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	103.900%
63) Toluene-d8	10.565	98	239716	29.706	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.033%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	336635	160.101	ug/l	98
3) Chloromethane	2.359	50	338607	154.991	ug/l	100
4) Vinyl Chloride	2.518	62	348412	155.131	ug/l	97
5) Bromomethane	2.906	94	196019	156.214	ug/l	96
6) Chloroethane	3.065	64	232703	154.727	ug/l	96
7) Trichlorofluoromethane	3.471	101	587924	156.143	ug/l	95
8) Diethyl Ether	3.953	74	205807	160.859	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.359	101	326971	161.663	ug/l	95
10) 1,1-Dichloroethene	4.324	96	307599	157.627	ug/l	82
11) Methyl Iodide	4.577	142	428686	161.727	ug/l	98
12) Methyl Acetate	5.018	43	351533	149.371	ug/l #	82
13) Acrolein	4.171	56	269495	784.641	ug/l	99
14) Acrylonitrile	5.718	53	751763	789.335	ug/l	98
15) Acetone	4.424	58	303036	959.183	ug/l #	67
16) Carbon Disulfide	4.694	76	863088	156.497	ug/l	97
17) Allyl chloride	5.012	41	553844	161.667	ug/l	85
18) Methylene Chloride	5.271	84	334858	156.844	ug/l	90
19) trans-1,2-Dichloroethene	5.777	96	318991	157.718	ug/l	95
20) Diisopropyl ether	6.665	45	1131470	163.721	ug/l	95
21) 1,1-Dichloroethane	6.559	63	629653	159.578	ug/l	96
22) cis-1,2-Dichloroethene	7.483	96	392740	159.544	ug/l	92
23) tert-Butyl Alcohol	5.536	59	280415	802.352	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	1118258	161.254	ug/l #	87
25) Chloroform	7.965	83	664688	158.958	ug/l	98
26) Cyclohexane	8.253	56	560255	161.214	ug/l #	89
29) 1,1-Dichloropropene	8.365	75	468837	156.254	ug/l	98
30) 2-Butanone	7.483	43	1183423	836.702	ug/l	96
31) 2,2-Dichloropropane	7.488	77	621435	162.450	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	626452	156.335	ug/l	98
33) Carbon Tetrachloride	8.359	117	544935	157.035	ug/l	97
34) Benzene	8.600	78	1409980	156.616	ug/l	98
35) Methacrylonitrile	7.777	41	243037	152.855	ug/l	93
36) 1,2-Dichloroethane	8.665	62	518126	153.088	ug/l #	94
37) Trichloroethene	9.353	130	328143	155.218	ug/l	96
38) Methylcyclohexane	9.600	83	587155	163.450	ug/l	96
39) 1,2-Dichloropropane	9.618	63	336152	155.142	ug/l	98
40) Dibromomethane	9.706	93	245139	154.730	ug/l	94
41) Bromodichloromethane	9.888	83	535642	158.993	ug/l	97
42) Vinyl Acetate	6.600	43	4441006	763.681	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	448321	157.479	ug/l	98
44) Isopropyl Acetate	8.688	43	784558	159.336	ug/l	91
45) 1,4-Dioxane	9.700	88	116100	3023.055	ug/l #	1
46) Methyl methacrylate	9.677	41	384453	161.311	ug/l	81
47) n-amyl Acetate	12.494	43	725440	166.323	ug/l	89
48) t-1,3-Dichloropropene	10.835	75	564506	159.299	ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	591965	160.623	ug/l #	84
50) 1,1,2-Trichloroethane	11.018	97	315295	156.400	ug/l	97
51) Ethyl methacrylate	10.871	69	555946	161.418	ug/l	78
52) 1,3-Dichloropropane	11.159	76	552853	151.858	ug/l	99
53) Dibromochloromethane	11.359	129	391451	161.889	ug/l	98
54) 1,2-Dibromoethane	11.471	107	333191	159.763	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	1086274	791.404	ug/l	98
56) Bromoform	12.576	173	250373	162.983	ug/l #	98
58) 4-Methyl-2-Pentanone	10.447	43	2122727	768.178	ug/l #	89
59) 2-Hexanone	11.194	43	1679722	804.463	ug/l	89
61) Tetrachloroethene	11.100	164	281775	152.775	ug/l	95
62) Toluene	10.629	91	1535761	153.315	ug/l	100
64) Chlorobenzene	11.888	112	929353	149.851	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	333589	154.406	ug/l	98
66) Ethyl Benzene	11.965	91	1780342	156.289	ug/l	99
67) m/p-Xylenes	12.070	106	1319129	314.757	ug/l	98
68) o-Xylene	12.394	106	636232	156.858	ug/l	99
69) Styrene	12.412	104	1074725	156.815	ug/l	99
70) Isopropylbenzene	12.694	105	1683033	157.234	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	445602	152.420	ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	392380m	153.378	ug/l	
73) Bromobenzene	12.982	156	366279	148.978	ug/l	94
74) n-propylbenzene	13.035	91	1974229	157.557	ug/l	100
75) 2-Chlorotoluene	13.123	91	1187471	151.841	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	1385400	154.944	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	179987	166.125	ug/l	89
78) 4-Chlorotoluene	13.223	91	1207880	152.299	ug/l	99
79) tert-butylbenzene	13.435	119	1209753	154.725	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	1405691	155.573	ug/l	100
81) sec-Butylbenzene	13.617	105	1686510	157.897	ug/l	100
82) p-Isopropyltoluene	13.729	119	1440587	160.303	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	705097	149.009	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	710765	150.244	ug/l	100
85) n-Butylbenzene	14.053	91	1299816	163.904	ug/l	98
86) Hexachloroethane	14.335	117	272497	160.011	ug/l	89
87) 1,2-Dichlorobenzene	14.106	146	703368	153.162	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	100140	155.862	ug/l	93
89) 1,2,4-Trichlorobenzene	15.841	180	385824	153.353	ug/l	98
90) Hexachlorobutadiene	15.500	225	161655	155.236	ug/l	99
91) Naphthalene	15.641	128	1279331	155.538	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	385824	153.353	ug/l	98

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

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