

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
 Data File : VN084617.D
 Acq On : 31 Oct 2024 13:44
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 01 02:24:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:19:19 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 11/04/2024
 Supervised By : Mahesh Dadoda 11/04/2024

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

Internal Standards						
1) Bromochloromethane	7.812	128	34315	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	189928	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	174515	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	82785	30.008	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.033%			
60) 4-Bromofluorobenzene	12.847	95	91818	30.557	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.867%			
63) Toluene-d8	10.565	98	244038	29.539	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.467%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	299645	150.135	ug/l	94
3) Chloromethane	2.359	50	360263	149.927	ug/l	100
4) Vinyl Chloride	2.512	62	330947	148.318	ug/l	95
5) Bromomethane	2.900	94	166205	146.755	ug/l	99
6) Chloroethane	3.053	64	211245	142.454	ug/l	90
7) Trichlorofluoromethane	3.459	101	537825	148.417	ug/l	99
8) Diethyl Ether	3.953	74	208008	160.923	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.347	101	304904	148.885	ug/l	100
10) 1,1-Dichloroethene	4.324	96	309990	155.009	ug/l	93
11) Methyl Iodide	4.577	142	418106	152.116	ug/l	93
12) Methyl Acetate	5.018	43	413207	132.418	ug/l	97
13) Acrolein	4.171	56	297469	773.843	ug/l	98
14) Acrylonitrile	5.718	53	803457	787.881	ug/l	98
15) Acetone	4.424	58	199728	762.223	ug/l	94
16) Carbon Disulfide	4.694	76	898255	152.651	ug/l	98
17) Allyl chloride	5.012	41	542863	160.886	ug/l	96
18) Methylene Chloride	5.265	84	343819	146.714	ug/l	95
19) trans-1,2-Dichloroethene	5.777	96	318103	151.754	ug/l	89
20) Diisopropyl ether	6.671	45	1072240	157.183	ug/l	98
21) 1,1-Dichloroethane	6.559	63	606359	147.807	ug/l	97
22) cis-1,2-Dichloroethene	7.482	96	389337	155.576	ug/l	94
23) tert-Butyl Alcohol	5.553	59	268783	754.978	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	1046401	161.805	ug/l	98
25) Chloroform	7.965	83	622385	148.078	ug/l	96
26) Cyclohexane	8.253	56	511647	163.276	ug/l #	98
29) 1,1-Dichloropropene	8.371	75	437707	153.006	ug/l	100
30) 2-Butanone	7.482	43	1009048	764.664	ug/l	98
31) 2,2-Dichloropropane	7.488	77	508098	145.502	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	565049	145.389	ug/l	99
33) Carbon Tetrachloride	8.359	117	490498	147.903	ug/l	98
34) Benzene	8.600	78	1384757	146.447	ug/l	96
35) Methacrylonitrile	7.777	41	245428	156.925	ug/l	99
36) 1,2-Dichloroethane	8.665	62	459837	146.236	ug/l	99
37) Trichloroethene	9.347	130	321371	150.657	ug/l	93
38) Methylcyclohexane	9.600	83	499572	162.217	ug/l	97
39) 1,2-Dichloropropane	9.618	63	337522	148.284	ug/l	96
40) Dibromomethane	9.706	93	233108	146.393	ug/l	99
41) Bromodichloromethane	9.888	83	504647	147.833	ug/l	98
42) Vinyl Acetate	6.600	43	3914346	793.588	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	428446	152.653	ug/l	97
44) Isopropyl Acetate	8.688	43	741325	132.033	ug/l	96
45) 1,4-Dioxane	9.700	88	117373	3131.238	ug/l	96
46) Methyl methacrylate	9.682	41	357456	158.423	ug/l	98
47) n-amyl Acetate	12.494	43	667282	159.131	ug/l	94
48) t-1,3-Dichloropropene	10.835	75	523588	155.334	ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	561762	155.501	ug/l	94
50) 1,1,2-Trichloroethane	11.018	97	311081	145.645	ug/l	95
51) Ethyl methacrylate	10.876	69	534438	162.326	ug/l	96
52) 1,3-Dichloropropane	11.165	76	544181	146.779	ug/l	99
53) Dibromochloromethane	11.359	129	378123	151.277	ug/l	98
54) 1,2-Dibromoethane	11.470	107	321983	149.047	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	1267478	785.232	ug/l	99
56) Bromoform	12.576	173	254436	151.864	ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	2085089	757.339	ug/l	98
59) 2-Hexanone	11.200	43	1531300	759.555	ug/l	98
61) Tetrachloroethene	11.100	164	271458	148.628	ug/l	98
62) Toluene	10.629	91	1481581	149.056	ug/l	98
64) Chlorobenzene	11.888	112	896579	149.418	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	321277	145.687	ug/l	100
66) Ethyl Benzene	11.965	91	1652923	158.236	ug/l	96
67) m/p-Xylenes	12.070	106	1242416	310.660	ug/l	100
68) o-Xylene	12.400	106	604062	156.582	ug/l	98
69) Styrene	12.412	104	1029762	159.199	ug/l	99
70) Isopropylbenzene	12.694	105	1528377	159.480	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	443836	142.885	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	379116m	127.935	ug/l	
73) Bromobenzene	12.982	156	370688	149.971	ug/l	97
74) n-propylbenzene	13.035	91	1804610	161.034	ug/l	99
75) 2-Chlorotoluene	13.123	91	1112415	152.433	ug/l	97
76) 1,3,5-Trimethylbenzene	13.170	105	1295565	158.223	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	177307	162.992	ug/l	90
78) 4-Chlorotoluene	13.223	91	1139441	154.535	ug/l	100
79) tert-butylbenzene	13.435	119	1114831	164.638	ug/l	96
80) 1,2,4-Trimethylbenzene	13.482	105	1321571	159.986	ug/l	98
81) sec-Butylbenzene	13.617	105	1521726	163.089	ug/l	100
82) p-Isopropyltoluene	13.729	119	1304826	166.431	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	699236	152.963	ug/l	99
84) 1,4-Dichlorobenzene	13.811	146	698605	154.663	ug/l	99
85) n-Butylbenzene	14.053	91	1148718	174.453	ug/l	99
86) Hexachloroethane	14.335	117	244372	152.408	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	680730	151.120	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	91914	153.355	ug/l	92
89) 1,2,4-Trichlorobenzene	15.841	180	369695	168.557	ug/l	96
90) Hexachlorobutadiene	15.500	225	151702	158.343	ug/l	94
91) Naphthalene	15.641	128	1260875	180.011	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	369695	168.557	ug/l	96

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

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