

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
 Data File : VN084620.D
 Acq On : 31 Oct 2024 15:25
 Operator : JC\MD
 Sample : VN1031WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Quant Time: Nov 01 02:47:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 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	33399	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	190761	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	176885	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	81408	30.319	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	101.067%	
60) 4-Bromofluorobenzene	12.847	95	90137	29.595	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	98.667%	
63) Toluene-d8	10.565	98	242553	28.966	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	96.567%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	42599	21.929	ug/l	96
3) Chloromethane	2.360	50	48182	20.601	ug/l	98
4) Vinyl Chloride	2.512	62	45800	21.089	ug/l	92
5) Bromomethane	2.901	94	23288	21.127	ug/l	99
6) Chloroethane	3.083	64	28938	20.294	ug/l	90
7) Trichlorofluoromethane	3.477	101	72515	20.560	ug/l	98
8) Diethyl Ether	3.954	74	25925	20.607	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	43080m	21.613	ug/l	
10) 1,1-Dichloroethene	4.330	96	41048	21.089	ug/l	95
11) Methyl Iodide	4.577	142	56567	21.145	ug/l	92
12) Methyl Acetate	5.024	43	56949	18.770	ug/l	99
13) Acrolein	4.177	56	39277	104.978	ug/l	97
14) Acrylonitrile	5.712	53	101806	102.570	ug/l	99
15) Acetone	4.430	58	29244m	114.669	ug/l	
16) Carbon Disulfide	4.706	76	119634	20.888	ug/l	100
17) Allyl chloride	5.018	41	63363	19.105	ug/l	96
18) Methylene Chloride	5.271	84	46752	20.497	ug/l	96
19) trans-1,2-Dichloroethene	5.777	96	41749	20.463	ug/l	90
20) Diisopropyl ether	6.665	45	139393	20.994	ug/l	97
21) 1,1-Dichloroethane	6.559	63	81312	20.364	ug/l	96
22) cis-1,2-Dichloroethene	7.489	96	50182	20.602	ug/l	97
23) tert-Butyl Alcohol	5.536	59	35402m	102.167	ug/l	
24) Methyl tert-Butyl Ether	5.795	73	130027	20.658	ug/l	99
25) Chloroform	7.965	83	81662	19.962	ug/l	94
26) Cyclohexane	8.253	56	64244	21.064	ug/l #	97
29) 1,1-Dichloropropene	8.371	75	55913	19.460	ug/l	99
30) 2-Butanone	7.483	43	131624	99.310	ug/l	100
31) 2,2-Dichloropropane	7.483	77	74068	21.118	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	74402	19.060	ug/l	99
33) Carbon Tetrachloride	8.359	117	65330	19.613	ug/l	97
34) Benzene	8.600	78	182332	19.199	ug/l	95
35) Methacrylonitrile	7.777	41	31177	19.847	ug/l	96
36) 1,2-Dichloroethane	8.671	62	61079	19.339	ug/l	100
37) Trichloroethene	9.353	130	43111	20.122	ug/l	96
38) Methylcyclohexane	9.600	83	60844	19.671	ug/l	98
39) 1,2-Dichloropropane	9.618	63	44096	19.288	ug/l	95
40) Dibromomethane	9.706	93	30967	19.362	ug/l	99
41) Bromodichloromethane	9.888	83	64547	18.826	ug/l	93
42) Vinyl Acetate	6.600	43	487246	98.352	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	53782	19.312	ug/l	99
44) Isopropyl Acetate	8.689	43	103338	18.324	ug/l	100
45) 1,4-Dioxane	9.700	88	15567	413.478	ug/l #	92
46) Methyl methacrylate	9.683	41	44299	19.547	ug/l	97
47) n-amyl Acetate	12.494	43	82462	19.579	ug/l	99
48) t-1,3-Dichloropropene	10.835	75	66374	19.605	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	71193	19.621	ug/l	95
50) 1,1,2-Trichloroethane	11.012	97	43089	20.086	ug/l	92
51) Ethyl methacrylate	10.871	69	66643	20.153	ug/l	93
52) 1,3-Dichloropropane	11.159	76	72538	19.480	ug/l	99
53) Dibromochloromethane	11.359	129	49065	19.544	ug/l	99
54) 1,2-Dibromoethane	11.465	107	42466	19.572	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	159615	98.453	ug/l	98
56) Bromoform	12.577	173	32429	19.271	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	275302	98.655	ug/l	98
59) 2-Hexanone	11.194	43	206596	101.103	ug/l	99
61) Tetrachloroethene	11.100	164	37634	20.329	ug/l	98
62) Toluene	10.630	91	194250	19.281	ug/l	98
64) Chlorobenzene	11.888	112	121575	19.989	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	43317	19.379	ug/l	100
66) Ethyl Benzene	11.965	91	209600	19.796	ug/l	97
67) m/p-Xylenes	12.071	106	163590	40.357	ug/l	98
68) o-Xylene	12.394	106	77525	19.826	ug/l	96
69) Styrene	12.412	104	134476	20.511	ug/l	97
70) Isopropylbenzene	12.694	105	194101	19.982	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	60828	19.320	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	51730m	19.242	ug/l	
73) Bromobenzene	12.976	156	50409	20.121	ug/l	99
74) n-propylbenzene	13.035	91	231556	20.386	ug/l	100
75) 2-Chlorotoluene	13.124	91	149817	20.254	ug/l	97
76) 1,3,5-Trimethylbenzene	13.171	105	170491	20.543	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	22437	20.349	ug/l	90
78) 4-Chlorotoluene	13.224	91	152409	20.393	ug/l	99
79) tert-butylbenzene	13.435	119	141995	20.689	ug/l	96
80) 1,2,4-Trimethylbenzene	13.482	105	172807	20.639	ug/l	98
81) sec-Butylbenzene	13.618	105	192399	20.344	ug/l	99
82) p-Isopropyltoluene	13.729	119	159925	20.125	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	91075	19.656	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	91454	19.976	ug/l	98
85) n-Butylbenzene	14.059	91	135833	20.352	ug/l	99
86) Hexachloroethane	14.329	117	31507	19.387	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	89499	19.602	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.718	75	12304	20.254	ug/l	95
89) 1,2,4-Trichlorobenzene	15.841	180	43053	19.366	ug/l	95
90) Hexachlorobutadiene	15.506	225	20434	21.043	ug/l	94
91) Naphthalene	15.641	128	137299	19.339	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	43053	19.366	ug/l	95

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

