

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050824\
 Data File : VN082025.D
 Acq On : 08 May 2024 10:10
 Operator : JC\MD
 Sample : VN0508WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBS01

Quant Time: May 09 01:01:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.806	128	31811	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	194937	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	175804	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	84010	31.543	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.133%
60) 4-Bromofluorobenzene	12.853	95	84280	28.806	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.033%
63) Toluene-d8	10.565	98	256446	30.716	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	33035	18.295	ug/l	96
3) Chloromethane	2.359	50	38451	18.361	ug/l	99
4) Vinyl Chloride	2.518	62	37577	18.995	ug/l	# 85
5) Bromomethane	2.959	94	19017m	18.422	ug/l	
6) Chloroethane	3.118	64	22699	20.263	ug/l	# 87
7) Trichlorofluoromethane	3.500	101	52623	18.179	ug/l	96
8) Diethyl Ether	3.959	74	26003m	18.556	ug/l	
9) 1,1,2-Trichlorotrifluoro...	4.371	101	34530	17.400	ug/l	87
10) 1,1-Dichloroethene	4.347	96	35407	18.237	ug/l	97
11) Methyl Iodide	4.583	142	28968	16.326	ug/l	86
12) Methyl Acetate	5.024	43	54806	22.544	ug/l	# 74
13) Acrolein	4.183	56	38308m	74.144	ug/l	
14) Acrylonitrile	5.718	53	107974	97.316	ug/l	99
15) Acetone	4.424	58	26173	105.271	ug/l	85
16) Carbon Disulfide	4.712	76	86473	16.076	ug/l	98
17) Allyl chloride	5.024	41	64598	18.951	ug/l	80
18) Methylene Chloride	5.277	84	42673	19.317	ug/l	# 82
19) trans-1,2-Dichloroethene	5.783	96	36323	17.974	ug/l	94
20) Diisopropyl ether	6.671	45	148851	19.737	ug/l	# 94
21) 1,1-Dichloroethane	6.571	63	80026	20.040	ug/l	# 92
22) cis-1,2-Dichloroethene	7.483	96	46965	19.071	ug/l	92
23) tert-Butyl Alcohol	5.512	59	41983	91.862	ug/l	# 100
24) Methyl tert-Butyl Ether	5.794	73	123684	17.670	ug/l	94
25) Chloroform	7.965	83	75539	19.662	ug/l	90
26) Cyclohexane	8.253	56	65519	18.973	ug/l	# 88
29) 1,1-Dichloropropene	8.377	75	49115	16.924	ug/l	99
30) 2-Butanone	7.483	43	143943	96.220	ug/l	95
31) 2,2-Dichloropropane	7.494	77	64312	21.624	ug/l	# 73
32) 1,1,1-Trichloroethane	8.171	97	58637	17.568	ug/l	# 72
33) Carbon Tetrachloride	8.365	117	46091	17.015	ug/l	95
34) Benzene	8.606	78	172759	18.660	ug/l	# 95
35) Methacrylonitrile	7.777	41	34670	18.319	ug/l	90
36) 1,2-Dichloroethane	8.671	62	56267	18.104	ug/l	96
37) Trichloroethene	9.359	130	34699	15.302	ug/l	94
38) Methylcyclohexane	9.606	83	61749	17.613	ug/l	93
39) 1,2-Dichloropropane	9.629	63	47100	19.826	ug/l	92
40) Dibromomethane	9.712	93	26672	17.477	ug/l	84
41) Bromodichloromethane	9.888	83	59885	18.359	ug/l	# 98
42) Vinyl Acetate	6.600	43	571199	89.707	ug/l	95

05/09/2024
 Supervised By :Mahesh
 Padoda

05/09/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.565	43	59294m	18.179	ug/l		05/09/2024
44) Isopropyl Acetate	8.688	43	107296m	18.529	ug/l		Supervised By :Mahesh
45) 1,4-Dioxane	9.694	88	17286	372.233	ug/l	91	Dadoda
46) Methyl methacrylate	9.682	41	48587	18.366	ug/l	81	
47) n-amyl Acetate	12.494	43	95060	18.201	ug/l	90	
48) t-1,3-Dichloropropene	10.835	75	64271	18.169	ug/l	98	
49) cis-1,3-Dichloropropene	10.312	75	69011	18.452	ug/l #	85	05/09/2024
50) 1,1,2-Trichloroethane	11.018	97	38992	18.832	ug/l #	87	
51) Ethyl methacrylate	10.876	69	69764	17.852	ug/l	72	
52) 1,3-Dichloropropane	11.165	76	72632	19.094	ug/l	99	
53) Dibromochloromethane	11.359	129	38696	17.177	ug/l	100	
54) 1,2-Dibromoethane	11.470	107	37476	18.149	ug/l	99	
55) 2-Chloroethyl vinyl ether	10.165	63	144010	73.696	ug/l	95	
56) Bromoform	12.576	173	22380	16.323	ug/l	96	
58) 4-Methyl-2-Pentanone	10.447	43	312598	91.575	ug/l #	86	
59) 2-Hexanone	11.200	43	237254m	93.740	ug/l		
61) Tetrachloroethene	11.106	164	29880	15.317	ug/l	95	
62) Toluene	10.629	91	175275	17.719	ug/l	99	
64) Chlorobenzene	11.894	112	106542	17.610	ug/l	97	
65) 1,1,1,2-Tetrachloroethane	11.959	131	33786	17.062	ug/l	93	
66) Ethyl Benzene	11.965	91	192848	17.786	ug/l	98	
67) m/p-Xylenes	12.070	106	141103	35.100	ug/l	100	
68) o-Xylene	12.400	106	70509	17.728	ug/l	97	
69) Styrene	12.412	104	115989	17.372	ug/l	99	
70) Isopropylbenzene	12.700	105	180144	17.834	ug/l	99	
71) 1,1,2,2-Tetrachloroethane	12.941	83	57424	19.754	ug/l	97	
72) 1,2,3-Trichloropropane	12.994	75	50251	18.490	ug/l	90	
73) Bromobenzene	12.982	156	34146	15.791	ug/l	68	
74) n-propylbenzene	13.035	91	220229	18.479	ug/l	98	
75) 2-Chlorotoluene	13.129	91	133071	18.049	ug/l	100	
76) 1,3,5-Trimethylbenzene	13.176	105	144272	17.645	ug/l	99	
77) t-1,4-Dichloro-2-butene	12.735	75	21794	18.017	ug/l	94	
78) 4-Chlorotoluene	13.223	91	128837	17.837	ug/l	98	
79) tert-butylbenzene	13.441	119	125655	17.849	ug/l	99	
80) 1,2,4-Trimethylbenzene	13.482	105	144750	17.625	ug/l	99	
81) sec-Butylbenzene	13.617	105	183033	18.548	ug/l	96	
82) p-Isopropyltoluene	13.729	119	143031	18.330	ug/l	99	
83) 1,3-Dichlorobenzene	13.735	146	70136	18.013	ug/l	98	
84) 1,4-Dichlorobenzene	13.812	146	66209	16.918	ug/l	96	
85) n-Butylbenzene	14.059	91	133424	18.719	ug/l	98	
86) Hexachloroethane	14.335	117	27071	17.399	ug/l	73	
87) 1,2-Dichlorobenzene	14.106	146	66109	17.048	ug/l	97	
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10470	16.051	ug/l	88	
89) 1,2,4-Trichlorobenzene	15.841	180	34033	15.939	ug/l	100	
90) Hexachlorobutadiene	15.506	225	12342	15.607	ug/l	97	
91) Naphthalene	15.641	128	132273	16.296	ug/l	98	
92) 1,2,3-Trichlorobenzene	15.841	180	34033	15.939	ug/l	100	

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

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