

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022324\
 Data File : VN081153.D
 Acq On : 23 Feb 2024 10:47
 Operator : JC\MD
 Sample : VN0223WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0223WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Feb 24 00:10:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 10 01:55:02 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	61075	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	332989	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	309692	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	138401	30.158	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.533%
60) 4-Bromofluorobenzene	12.853	95	144464	30.513	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.700%
63) Toluene-d8	10.571	98	417026	30.006	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.033%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	79925	19.246	ug/l	98
3) Chloromethane	2.365	50	77320	18.527	ug/l	96
4) Vinyl Chloride	2.518	62	81569	16.394	ug/l	98
5) Bromomethane	2.965	94	58320	17.450	ug/l	96
6) Chloroethane	3.124	64	54615	16.838	ug/l	100
7) Trichlorofluoromethane	3.500	101	120397	18.375	ug/l	94
8) Diethyl Ether	3.965	74	46015	19.981	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.371	101	69652	19.587	ug/l	84
10) 1,1-Dichloroethene	4.342	96	65287	18.732	ug/l	94
11) Methyl Iodide	4.589	142	70006	18.755	ug/l	89
12) Methyl Acetate	5.030	43	77487	24.534	ug/l #	77
13) Acrolein	4.183	56	102005	148.100	ug/l	99
14) Acrylonitrile	5.718	53	192261	122.590	ug/l	98
15) Acetone	4.424	58	38617	107.035	ug/l	93
16) Carbon Disulfide	4.712	76	167265	17.487	ug/l	99
17) Allyl chloride	5.018	41	94787	21.655	ug/l	87
18) Methylene Chloride	5.277	84	79673	20.003	ug/l	94
19) trans-1,2-Dichloroethene	5.794	96	72623	18.355	ug/l #	80
20) Diisopropyl ether	6.665	45	229865	21.849	ug/l	92
21) 1,1-Dichloroethane	6.565	63	132731	19.686	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	83329	18.125	ug/l	98
23) tert-Butyl Alcohol	5.518	59	71489	125.128	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	235597	20.390	ug/l	93
25) Chloroform	7.971	83	142184	19.009	ug/l	99
26) Cyclohexane	8.259	56	110308	21.727	ug/l #	95
29) 1,1-Dichloropropene	8.371	75	101464	20.456	ug/l	99
30) 2-Butanone	7.483	43	226509	124.466	ug/l	98
31) 2,2-Dichloropropane	7.488	77	116682	20.661	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	124134	19.894	ug/l	98
33) Carbon Tetrachloride	8.365	117	103372	19.663	ug/l	98
34) Benzene	8.606	78	313130	20.658	ug/l	98
35) Methacrylonitrile	7.782	41	56097	26.226	ug/l	95
36) 1,2-Dichloroethane	8.671	62	112545	22.124	ug/l	98
37) Trichloroethene	9.353	130	77804	19.307	ug/l	100
38) Methylcyclohexane	9.606	83	121406	24.526	ug/l	98
39) 1,2-Dichloropropane	9.624	63	77009	21.420	ug/l	93
40) Dibromomethane	9.712	93	57487	21.017	ug/l	93
41) Bromodichloromethane	9.888	83	110489	20.639	ug/l	99
42) Vinyl Acetate	6.606	43	931870	119.712	ug/l	99

02/26/2024
Supervised By :Mahesh
Padoda

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.565	43	96766	25.529	ug/l	97	02/26/2024
44) Isopropyl Acetate	8.688	43	176911	25.976	ug/l #	88	Supervised By :Mahesh Dadoda
45) 1,4-Dioxane	9.700	88	34275	530.635	ug/l	96	
46) Methyl methacrylate	9.688	41	80204	25.737	ug/l	86	
47) n-amyl Acetate	12.494	43	149482	25.167	ug/l	92	
48) t-1,3-Dichloropropene	10.835	75	118746	21.165	ug/l	92	
49) cis-1,3-Dichloropropene	10.318	75	128225	21.092	ug/l	91	02/26/2024
50) 1,1,2-Trichloroethane	11.018	97	79153	20.914	ug/l	96	
51) Ethyl methacrylate	10.876	69	116662	22.055	ug/l	83	
52) 1,3-Dichloropropane	11.165	76	134452	21.512	ug/l	98	
53) Dibromochloromethane	11.359	129	78883	19.122	ug/l	97	
54) 1,2-Dibromoethane	11.470	107	80577	20.579	ug/l	96	
55) 2-Chloroethyl vinyl ether	10.159	63	363346	134.038	ug/l	97	
56) Bromoform	12.582	173	49413	18.808	ug/l #	97	
58) 4-Methyl-2-Pentanone	10.447	43	522965	130.069	ug/l #	91	
59) 2-Hexanone	11.200	43	388419	131.347	ug/l	91	
61) Tetrachloroethene	11.106	164	68499	19.363	ug/l	92	
62) Toluene	10.635	91	331757	19.556	ug/l	99	
64) Chlorobenzene	11.894	112	204910	19.722	ug/l	96	
65) 1,1,1,2-Tetrachloroethane	11.965	131	76936	19.962	ug/l	98	
66) Ethyl Benzene	11.965	91	373782	20.955	ug/l	99	
67) m/p-Xylenes	12.076	106	279193	39.857	ug/l	99	
68) o-Xylene	12.400	106	141104	20.555	ug/l	97	
69) Styrene	12.412	104	220405	19.502	ug/l	98	
70) Isopropylbenzene	12.700	105	360057	21.522	ug/l	99	
71) 1,1,2,2-Tetrachloroethane	12.941	83	107908	20.918	ug/l	100	
72) 1,2,3-Trichloropropane	13.000	75	87447m	21.654	ug/l		
73) Bromobenzene	12.982	156	81283	19.538	ug/l	96	
74) n-propylbenzene	13.041	91	428161	22.519	ug/l	99	
75) 2-Chlorotoluene	13.129	91	254990	21.604	ug/l	97	
76) 1,3,5-Trimethylbenzene	13.176	105	304090	22.215	ug/l	98	
77) t-1,4-Dichloro-2-butene	12.741	75	35294	23.095	ug/l	88	
78) 4-Chlorotoluene	13.223	91	247054	20.899	ug/l	97	
79) tert-butylbenzene	13.441	119	255566	22.491	ug/l	99	
80) 1,2,4-Trimethylbenzene	13.482	105	303744	22.271	ug/l	98	
81) sec-Butylbenzene	13.617	105	369584	23.226	ug/l	99	
82) p-Isopropyltoluene	13.735	119	304609	22.802	ug/l	99	
83) 1,3-Dichlorobenzene	13.735	146	149882	20.031	ug/l	99	
84) 1,4-Dichlorobenzene	13.817	146	150549	20.044	ug/l	99	
85) n-Butylbenzene	14.059	91	262726	23.836	ug/l	99	
86) Hexachloroethane	14.341	117	49871	23.668	ug/l	84	
87) 1,2-Dichlorobenzene	14.111	146	147486	20.245	ug/l	98	
88) 1,2-Dibromo-3-Chloropr...	14.723	75	22011	23.639	ug/l	96	
89) 1,2,4-Trichlorobenzene	15.841	180	82072	23.029	ug/l	98	
90) Hexachlorobutadiene	15.506	225	29208	18.680	ug/l	94	
91) Naphthalene	15.647	128	298009	23.550	ug/l	100	
92) 1,2,3-Trichlorobenzene	15.841	180	82072	23.029	ug/l	98	

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

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