

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082824\
 Data File : VN083531.D
 Acq On : 28 Aug 2024 13:08
 Operator : JC\MD
 Sample : VN0828WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBS01

Quant Time: Aug 28 15:36:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N082824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 28 12:23:16 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/29/2024
 Supervised By : Mahesh Dadoda 08/29/2024

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

Internal Standards						
1) Bromochloromethane	7.812	128	30815	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	178003	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	161496	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	83887	30.288	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.967%			
60) 4-Bromofluorobenzene	12.847	95	84693	29.622	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.733%			
63) Toluene-d8	10.565	98	223427	29.967	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	39460	19.067	ug/l	100
3) Chloromethane	2.359	50	38874	18.269	ug/l	98
4) Vinyl Chloride	2.512	62	41062	18.376	ug/l	95
5) Bromomethane	2.901	94	20166	18.527	ug/l	97
6) Chloroethane	3.065	64	26190	17.892	ug/l #	85
7) Trichlorofluoromethane	3.465	101	68742	18.614	ug/l	95
8) Diethyl Ether	3.953	74	23918	18.437	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.353	101	37606	18.430	ug/l	94
10) 1,1-Dichloroethene	4.324	96	35025	18.132	ug/l	88
11) Methyl Iodide	4.577	142	47658	17.925	ug/l	95
12) Methyl Acetate	5.024	43	64252m	19.378	ug/l	
13) Acrolein	4.171	56	30490	95.346	ug/l	95
14) Acrylonitrile	5.724	53	100287	97.403	ug/l	98
15) Acetone	4.430	58	27615	90.648	ug/l	72
16) Carbon Disulfide	4.695	76	90711	17.428	ug/l	96
17) Allyl chloride	5.006	41	64214	18.003	ug/l	87
18) Methylene Chloride	5.265	84	39407	18.393	ug/l	92
19) trans-1,2-Dichloroethene	5.777	96	36124	18.141	ug/l	95
20) Diisopropyl ether	6.671	45	126168	18.190	ug/l	94
21) 1,1-Dichloroethane	6.565	63	73166	18.683	ug/l	97
22) cis-1,2-Dichloroethene	7.483	96	44559	18.089	ug/l	91
23) tert-Butyl Alcohol	5.542	59	39485	90.894	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	133959	18.724	ug/l #	87
25) Chloroform	7.965	83	77188	18.590	ug/l	97
26) Cyclohexane	8.253	56	61683	18.119	ug/l #	89
29) 1,1-Dichloropropene	8.371	75	51304	18.372	ug/l	98
30) 2-Butanone	7.483	43	139551	97.408	ug/l	95
31) 2,2-Dichloropropane	7.483	77	68163	18.824	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	69547	18.635	ug/l	96
33) Carbon Tetrachloride	8.365	117	60724	18.686	ug/l	95
34) Benzene	8.600	78	162288	19.151	ug/l	94
35) Methacrylonitrile	7.777	41	31800	19.184	ug/l	92
36) 1,2-Dichloroethane	8.671	62	61031	19.316	ug/l #	94
37) Trichloroethene	9.353	130	37182	18.515	ug/l	100
38) Methylcyclohexane	9.600	83	64879	18.945	ug/l	97
39) 1,2-Dichloropropane	9.618	63	38773	18.819	ug/l	97
40) Dibromomethane	9.706	93	27661	18.704	ug/l	96
41) Bromodichloromethane	9.888	83	62142	19.442	ug/l	98
42) Vinyl Acetate	6.600	43	665064	94.595	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	56441	20.512	ug/l	98
44) Isopropyl Acetate	8.688	43	121682	18.718	ug/l #	81
45) 1,4-Dioxane	9.700	88	16178	383.775	ug/l #	91
46) Methyl methacrylate	9.682	41	47391	19.729	ug/l	81
47) n-amyl Acetate	12.494	43	84935	18.985	ug/l	90
48) t-1,3-Dichloropropene	10.835	75	61690	18.200	ug/l	94
49) cis-1,3-Dichloropropene	10.312	75	64436	18.236	ug/l #	85
50) 1,1,2-Trichloroethane	11.018	97	38404	19.375	ug/l	97
51) Ethyl methacrylate	10.876	69	64692	18.715	ug/l	78
52) 1,3-Dichloropropane	11.165	76	66568	19.234	ug/l	99
53) Dibromochloromethane	11.359	129	42843	18.450	ug/l	99
54) 1,2-Dibromoethane	11.471	107	39002	19.206	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	139286	94.649	ug/l	100
56) Bromoform	12.582	173	28593	18.860	ug/l #	98
58) 4-Methyl-2-Pentanone	10.447	43	282731	98.711	ug/l #	90
59) 2-Hexanone	11.194	43	215099	97.925	ug/l	90
61) Tetrachloroethene	11.100	164	31835	18.561	ug/l	93
62) Toluene	10.629	91	171897	18.401	ug/l	99
64) Chlorobenzene	11.894	112	106909	18.473	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.965	131	38899	18.885	ug/l	97
66) Ethyl Benzene	11.965	91	192205	18.238	ug/l	99
67) m/p-Xylenes	12.071	106	146572	37.524	ug/l	100
68) o-Xylene	12.400	106	71521	18.646	ug/l	97
69) Styrene	12.412	104	119711	18.331	ug/l	98
70) Isopropylbenzene	12.694	105	185458	18.304	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	56350	19.040	ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	50304m	19.685	ug/l	
73) Bromobenzene	12.982	156	42739	18.638	ug/l	93
74) n-propylbenzene	13.035	91	212298	18.085	ug/l	99
75) 2-Chlorotoluene	13.123	91	138880	18.485	ug/l	98
76) 1,3,5-Trimethylbenzene	13.176	105	157692	18.644	ug/l	97
77) t-1,4-Dichloro-2-butene	12.741	75	20422	18.416	ug/l	89
78) 4-Chlorotoluene	13.223	91	135266	18.137	ug/l	97
79) tert-butylbenzene	13.435	119	140322	18.524	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	161373	18.716	ug/l	97
81) sec-Butylbenzene	13.617	105	187684	18.405	ug/l	99
82) p-Isopropyltoluene	13.729	119	155206	17.977	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	79459	17.739	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	79840	17.746	ug/l	98
85) n-Butylbenzene	14.059	91	131120	17.137	ug/l	97
86) Hexachloroethane	14.335	117	30967	18.314	ug/l	88
87) 1,2-Dichlorobenzene	14.106	146	79403	18.008	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	13147	19.429	ug/l	91
89) 1,2,4-Trichlorobenzene	15.841	180	40224	16.639	ug/l	99
90) Hexachlorobutadiene	15.500	225	17311	16.854	ug/l	98
91) Naphthalene	15.641	128	145654	17.432	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	40224	16.639	ug/l	99

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

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