

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042924\
 Data File : VN081904.D
 Acq On : 29 Apr 2024 10:42
 Operator : JC\MD
 Sample : VN0429WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 30 04:32:56 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

04/30/2024

Supervised By :Mahesh

Dadoda

04/30/2024

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

Internal Standards						
1) Bromochloromethane	7.818	128	43794	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	252513	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	223183	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	111095	30.299	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.000%
60) 4-Bromofluorobenzene	12.847	95	113441	30.542	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.800%
63) Toluene-d8	10.565	98	315756	29.791	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	41569	16.722	ug/l	98
3) Chloromethane	2.359	50	51472	17.854	ug/l	97
4) Vinyl Chloride	2.518	62	44934	16.499	ug/l	99
5) Bromomethane	2.959	94	23743	16.707	ug/l	99
6) Chloroethane	3.130	64	26839	17.403	ug/l	88
7) Trichlorofluoromethane	3.495	101	68571	17.206	ug/l	87
8) Diethyl Ether	3.965	74	36426	18.881	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.371	101	46475	17.011	ug/l	79
10) 1,1-Dichloroethene	4.342	96	45278	16.940	ug/l	96
11) Methyl Iodide	4.595	142	43191	17.682	ug/l	84
12) Methyl Acetate	5.018	43	64683m	19.327	ug/l	
13) Acrolein	4.177	56	66167	93.022	ug/l	99
14) Acrylonitrile	5.718	53	141797	92.831	ug/l	99
15) Acetone	4.430	58	32815	95.872	ug/l	84
16) Carbon Disulfide	4.712	76	123460	16.672	ug/l	99
17) Allyl chloride	5.024	41	81913	17.455	ug/l	96
18) Methylene Chloride	5.277	84	57330	18.851	ug/l	89
19) trans-1,2-Dichloroethene	5.800	96	49288	17.716	ug/l	83
20) Diisopropyl ether	6.671	45	189119	18.215	ug/l #	94
21) 1,1-Dichloroethane	6.565	63	98059	17.837	ug/l	97
22) cis-1,2-Dichloroethene	7.489	96	63522	18.736	ug/l	94
23) tert-Butyl Alcohol	5.506	59	57240	90.976	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	184554	19.152	ug/l #	82
25) Chloroform	7.965	83	97347	18.405	ug/l	98
26) Cyclohexane	8.259	56	82149	17.280	ug/l #	91
29) 1,1-Dichloropropene	8.371	75	64764	17.228	ug/l	98
30) 2-Butanone	7.483	43	185354	95.651	ug/l	95
31) 2,2-Dichloropropane	7.494	77	85891	22.295	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	78408	18.135	ug/l	94
33) Carbon Tetrachloride	8.365	117	61440	17.510	ug/l #	92
34) Benzene	8.606	78	223371	18.625	ug/l	95
35) Methacrylonitrile	7.777	41	48593	19.821	ug/l	93
36) 1,2-Dichloroethane	8.671	62	75716	18.807	ug/l	96
37) Trichloroethene	9.353	130	51008	17.365	ug/l	93
38) Methylcyclohexane	9.600	83	81608	17.970	ug/l	95
39) 1,2-Dichloropropane	9.624	63	57335	18.632	ug/l	96
40) Dibromomethane	9.712	93	37530	18.984	ug/l	91
41) Bromodichloromethane	9.888	83	80403	19.028	ug/l	93
42) Vinyl Acetate	6.606	43	790213	95.807	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	78343	18.542	ug/l	98
44) Isopropyl Acetate	8.688	43	142871m	19.047	ug/l	
45) 1,4-Dioxane	9.694	88	23014	382.581	ug/l #	91
46) Methyl methacrylate	9.682	41	64338	18.775	ug/l	79
47) n-amyl Acetate	12.494	43	130473m	19.285	ug/l	
48) t-1,3-Dichloropropene	10.835	75	88898	19.401	ug/l	95
49) cis-1,3-Dichloropropene	10.312	75	97692	20.165	ug/l #	83
50) 1,1,2-Trichloroethane	11.018	97	52483	19.568	ug/l	97
51) Ethyl methacrylate	10.877	69	98345	19.428	ug/l	86
52) 1,3-Dichloropropane	11.165	76	95728	19.427	ug/l	98
53) Dibromochloromethane	11.359	129	58124	19.918	ug/l	95
54) 1,2-Dibromoethane	11.471	107	52597	19.663	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	255471	100.926	ug/l	96
56) Bromoform	12.576	173	35215	19.828	ug/l #	97
58) 4-Methyl-2-Pentanone	10.447	43	405343	93.536	ug/l #	88
59) 2-Hexanone	11.194	43	307120	95.584	ug/l #	89
61) Tetrachloroethene	11.106	164	46373	18.726	ug/l	95
62) Toluene	10.630	91	234091	18.641	ug/l	99
64) Chlorobenzene	11.894	112	148078	19.279	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.959	131	49865	19.836	ug/l	94
66) Ethyl Benzene	11.965	91	255747	18.580	ug/l	98
67) m/p-Xylenes	12.071	106	192027	37.627	ug/l	98
68) o-Xylene	12.400	106	97585	19.327	ug/l	97
69) Styrene	12.412	104	165738	19.554	ug/l	96
70) Isopropylbenzene	12.700	105	235554	18.369	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	69895	18.940	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	66006m	19.132	ug/l	
73) Bromobenzene	12.982	156	51607	18.800	ug/l	84
74) n-propylbenzene	13.035	91	284839	18.827	ug/l	98
75) 2-Chlorotoluene	13.123	91	173732	18.562	ug/l	98
76) 1,3,5-Trimethylbenzene	13.176	105	193600	18.651	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	32016	20.849	ug/l	94
78) 4-Chlorotoluene	13.223	91	170174	18.559	ug/l	99
79) tert-butylbenzene	13.441	119	163199	18.261	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	195447	18.746	ug/l	99
81) sec-Butylbenzene	13.618	105	224127	17.891	ug/l	99
82) p-Isopropyltoluene	13.729	119	188838	19.063	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	93991	19.015	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	98837	19.894	ug/l	96
85) n-Butylbenzene	14.059	91	167146	18.472	ug/l	97
86) Hexachloroethane	14.335	117	36450	18.454	ug/l	84
87) 1,2-Dichlorobenzene	14.106	146	94261	19.147	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	14262	17.222	ug/l	96
89) 1,2,4-Trichlorobenzene	15.841	180	51221	18.896	ug/l	97
90) Hexachlorobutadiene	15.506	225	17689	17.619	ug/l	97
91) Naphthalene	15.641	128	192805	18.710	ug/l	98
92) 1,2,3-Trichlorobenzene	15.841	180	51221	18.896	ug/l	97

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

