

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041924\
 Data File : VN081803.D
 Acq On : 19 Apr 2024 12:15
 Operator : JC\MD
 Sample : VN0419WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 19 23:34:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 11 09:25:01 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone
 04/22/2024

Supervised By :Mahesh
 Dadoda
 04/22/2024

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

Internal Standards							
1) Bromochloromethane	7.812	128	16648	30.000	ug/l	-0.01	
28) 1,4-Difluorobenzene	9.100	114	122508	30.000	ug/l	0.00	
57) Chlorobenzene-d5	11.871	117	151646	30.000	ug/l	0.00	
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.583	65	66605	32.567	ug/l	0.00	
Spiked Amount 30.000	Range	91 - 110	Recovery	= 108.567%			
60) 4-Bromofluorobenzene	12.847	95	93475	31.352	ug/l	0.00	
Spiked Amount 30.000	Range	63 - 112	Recovery	= 104.500%			
63) Toluene-d8	10.565	98	185347	30.470	ug/l	0.00	
Spiked Amount 30.000	Range	91 - 112	Recovery	= 101.567%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.118	85	38881	16.714	ug/l		94
3) Chloromethane	2.359	50	49693	24.622	ug/l		96
4) Vinyl Chloride	2.512	62	57130	27.529	ug/l		94
5) Bromomethane	2.965	94	40137	22.837	ug/l		94
6) Chloroethane	3.124	64	38934	23.969	ug/l		98
7) Trichlorofluoromethane	3.495	101	68293	20.044	ug/l		91
8) Diethyl Ether	3.965	74	22740	17.894	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.371	101	41283	17.661	ug/l		88
10) 1,1-Dichloroethene	4.336	96	36321	16.942	ug/l		91
11) Methyl Iodide	4.589	142	36914	15.205	ug/l		99
12) Methyl Acetate	5.036	43	36727	18.657	ug/l #		79
13) Acrolein	4.183	56	32887	126.850	ug/l		97
14) Acrylonitrile	5.724	53	89640	91.481	ug/l		96
15) Acetone	4.430	58	20993	97.409	ug/l		95
16) Carbon Disulfide	4.712	76	100258	16.447	ug/l		97
17) Allyl chloride	5.024	41	49300	19.010	ug/l		85
18) Methylene Chloride	5.277	84	43438	17.597	ug/l		89
19) trans-1,2-Dichloroethene	5.783	96	40780	17.346	ug/l		94
20) Diisopropyl ether	6.665	45	121641	19.701	ug/l		96
21) 1,1-Dichloroethane	6.571	63	76789	18.654	ug/l		95
22) cis-1,2-Dichloroethene	7.488	96	51567	18.164	ug/l #		89
23) tert-Butyl Alcohol	5.530	59	32741m	94.124	ug/l		
24) Methyl tert-Butyl Ether	5.794	73	130232	19.424	ug/l #		91
25) Chloroform	7.965	83	89523	19.113	ug/l		94
26) Cyclohexane	8.259	56	62103	18.819	ug/l #		84
29) 1,1-Dichloropropene	8.371	75	59561	18.493	ug/l		99
30) 2-Butanone	7.488	43	118783	96.569	ug/l		99
31) 2,2-Dichloropropane	7.494	77	73321	18.277	ug/l		97
32) 1,1,1-Trichloroethane	8.165	97	80841	18.212	ug/l		96
33) Carbon Tetrachloride	8.365	117	72281	17.964	ug/l		95
34) Benzene	8.606	78	185687	17.897	ug/l		96
35) Methacrylonitrile	7.783	41	28516	20.467	ug/l		88
36) 1,2-Dichloroethane	8.671	62	66978	19.681	ug/l		96
37) Trichloroethene	9.353	130	47994	17.481	ug/l		95
38) Methylcyclohexane	9.600	83	66306	16.843	ug/l		98
39) 1,2-Dichloropropane	9.618	63	46096	19.044	ug/l		97
40) Dibromomethane	9.706	93	36040	18.692	ug/l		96
41) Bromodichloromethane	9.888	83	73014	18.570	ug/l		88
42) Vinyl Acetate	6.600	43	511037	99.732	ug/l		99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	54661	20.164	ug/l	99
44) Isopropyl Acetate	8.688	43	91809	20.212	ug/l	92
45) 1,4-Dioxane	9.700	88	18029	359.564	ug/l	98
46) Methyl methacrylate	9.682	41	40699	19.925	ug/l	89
47) n-amyl Acetate	12.494	43	79537	19.514	ug/l	99
48) t-1,3-Dichloropropene	10.835	75	70590	18.845	ug/l	94
49) cis-1,3-Dichloropropene	10.312	75	77575	19.231	ug/l	94
50) 1,1,2-Trichloroethane	11.018	97	47505	18.401	ug/l	93
51) Ethyl methacrylate	10.877	69	66721	18.561	ug/l	81
52) 1,3-Dichloropropane	11.165	76	78746	18.609	ug/l	100
53) Dibromochloromethane	11.359	129	57080	18.509	ug/l	94
54) 1,2-Dibromoethane	11.471	107	47211	17.691	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	183136	103.743	ug/l	99
56) Bromoform	12.576	173	35896	18.203	ug/l #	98
58) 4-Methyl-2-Pentanone	10.447	43	288010	110.439	ug/l #	91
59) 2-Hexanone	11.194	43	217165	110.882	ug/l	90
61) Tetrachloroethene	11.106	164	52884	18.820	ug/l	93
62) Toluene	10.629	91	214223	19.417	ug/l	99
64) Chlorobenzene	11.894	112	137229	19.616	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	48122	18.937	ug/l	97
66) Ethyl Benzene	11.965	91	221920	18.919	ug/l	98
67) m/p-Xylenes	12.071	106	179122	38.551	ug/l	94
68) o-Xylene	12.400	106	84271	19.105	ug/l	99
69) Styrene	12.412	104	141888	18.888	ug/l	99
70) Isopropylbenzene	12.700	105	220759	19.400	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	60817	20.460	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	59288m	21.544	ug/l	
73) Bromobenzene	12.982	156	52977	18.788	ug/l	96
74) n-propylbenzene	13.035	91	258860	19.004	ug/l	99
75) 2-Chlorotoluene	13.123	91	158101	19.482	ug/l	95
76) 1,3,5-Trimethylbenzene	13.176	105	187561	19.419	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	20629	18.101	ug/l	88
78) 4-Chlorotoluene	13.223	91	158016	19.632	ug/l	97
79) tert-butylbenzene	13.441	119	155065	18.871	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	184739	19.179	ug/l	96
81) sec-Butylbenzene	13.618	105	222991	18.817	ug/l	99
82) p-Isopropyltoluene	13.729	119	181652	18.278	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	102701	19.489	ug/l	95
84) 1,4-Dichlorobenzene	13.812	146	106278	20.834	ug/l	94
85) n-Butylbenzene	14.059	91	151279	18.071	ug/l	99
86) Hexachloroethane	14.329	117	34322	18.077	ug/l	88
87) 1,2-Dichlorobenzene	14.106	146	99034	19.744	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	14126	21.799	ug/l	90
89) 1,2,4-Trichlorobenzene	15.841	180	54009	19.644	ug/l	98
90) Hexachlorobutadiene	15.506	225	21849	19.831	ug/l	98
91) Naphthalene	15.641	128	173859	19.669	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	54009	19.645	ug/l	98

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

