

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041724\
 Data File : VN081774.D
 Acq On : 17 Apr 2024 16:40
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Apr 18 01:12:43 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

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

Internal Standards						
1) Bromochloromethane	7.812	128	13564	30.000	ug/l	-0.03
28) 1,4-Difluorobenzene	9.100	114	98435	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	130653	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	57254	34.359	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	114.533%#
60) 4-Bromofluorobenzene	12.853	95	80231	31.234	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	104.100%
63) Toluene-d8	10.570	98	166201	31.713	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	105.700%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	36274	19.139	ug/l	91
3) Chloromethane	2.359	50	60695	36.911	ug/l	93
4) Vinyl Chloride	2.512	62	54657	32.325	ug/l	100
5) Bromomethane	2.959	94	39611	27.662	ug/l	99
6) Chloroethane	3.124	64	45184	34.142	ug/l	100
7) Trichlorofluoromethane	3.500	101	67788	24.419	ug/l	92
8) Diethyl Ether	3.959	74	21157	20.434	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	38965	20.459	ug/l	93
10) 1,1-Dichloroethene	4.341	96	34026	19.480	ug/l	91
11) Methyl Iodide	4.588	142	29471	14.899	ug/l	97
12) Methyl Acetate	5.024	43	38519	24.016	ug/l	92
13) Acrolein	4.177	56	21971	104.013	ug/l	100
14) Acrylonitrile	5.712	53	89491	112.093	ug/l	98
15) Acetone	4.424	58	21119m	120.274	ug/l	
16) Carbon Disulfide	4.718	76	100609	20.257	ug/l	98
17) Allyl chloride	5.018	41	46476	21.996	ug/l	85
18) Methylene Chloride	5.277	84	44530	22.140	ug/l	96
19) trans-1,2-Dichloroethene	5.788	96	37902	19.788	ug/l	97
20) Diisopropyl ether	6.677	45	117205	23.299	ug/l	96
21) 1,1-Dichloroethane	6.571	63	74745	22.286	ug/l	97
22) cis-1,2-Dichloroethene	7.488	96	48024	20.763	ug/l	98
23) tert-Butyl Alcohol	5.524	59	29968	105.741	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	115070	21.064	ug/l #	88
25) Chloroform	7.965	83	87831	23.016	ug/l	99
26) Cyclohexane	8.253	56	58955	21.927	ug/l #	88
29) 1,1-Dichloropropene	8.371	75	55484	21.440	ug/l	98
30) 2-Butanone	7.482	43	115340	116.702	ug/l	99
31) 2,2-Dichloropropane	7.488	77	67128	20.825	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	75817	21.257	ug/l	97
33) Carbon Tetrachloride	8.365	117	68326	21.134	ug/l	92
34) Benzene	8.606	78	180928	21.703	ug/l	99
35) Methacrylonitrile	7.782	41	27948	24.966	ug/l	88
36) 1,2-Dichloroethane	8.671	62	65044	23.787	ug/l	97
37) Trichloroethene	9.353	130	44495	20.170	ug/l	93
38) Methylcyclohexane	9.606	83	61464	19.432	ug/l	99
39) 1,2-Dichloropropane	9.623	63	43081	22.151	ug/l	100
40) Dibromomethane	9.712	93	34645	22.363	ug/l	97
41) Bromodichloromethane	9.888	83	71932	22.769	ug/l	97
42) Vinyl Acetate	6.600	43	461755	112.153	ug/l	99

04/18/2024
Supervised By :Mahesh
Dadoda

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.559	43	46064	21.148	ug/l	#	93
44) Isopropyl Acetate	8.682	43	86071	23.583	ug/l		91
45) 1,4-Dioxane	9.700	88	18815	467.008	ug/l		92
46) Methyl methacrylate	9.682	41	38683	23.570	ug/l		83
47) n-amyl Acetate	12.494	43	76351	23.314	ug/l		99
48) t-1,3-Dichloropropene	10.835	75	65966	21.917	ug/l	#	89
49) cis-1,3-Dichloropropene	10.312	75	69339	21.393	ug/l	#	88
50) 1,1,2-Trichloroethane	11.018	97	45555	21.960	ug/l		93
51) Ethyl methacrylate	10.876	69	59656	20.654	ug/l		74
52) 1,3-Dichloropropane	11.165	76	77334	22.744	ug/l		96
53) Dibromochloromethane	11.359	129	55135	22.250	ug/l		97
54) 1,2-Dibromoethane	11.470	107	45105	21.036	ug/l		99
55) 2-Chloroethyl vinyl ether	10.165	63	152896	107.795	ug/l		99
56) Bromoform	12.576	173	36821	23.238	ug/l	#	96
58) 4-Methyl-2-Pentanone	10.447	43	279522	124.406	ug/l	#	90
59) 2-Hexanone	11.194	43	208309	123.450	ug/l	#	89
61) Tetrachloroethene	11.106	164	50168	20.723	ug/l		87
62) Toluene	10.629	91	199295	20.967	ug/l		98
64) Chlorobenzene	11.894	112	129222	21.439	ug/l		100
65) 1,1,1,2-Tetrachloroethane	11.964	131	46883	21.413	ug/l		99
66) Ethyl Benzene	11.964	91	208924	20.673	ug/l		96
67) m/p-Xylenes	12.070	106	171335	42.800	ug/l		94
68) o-Xylene	12.400	106	79627	20.953	ug/l		96
69) Styrene	12.412	104	136415	21.077	ug/l		99
70) Isopropylbenzene	12.700	105	209547	21.373	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.941	83	63243	24.694	ug/l		99
72) 1,2,3-Trichloropropane	12.994	75	60510m	25.521	ug/l		
73) Bromobenzene	12.982	156	52504	21.612	ug/l		96
74) n-propylbenzene	13.035	91	251184	21.404	ug/l		98
75) 2-Chlorotoluene	13.129	91	152888	21.867	ug/l		96
76) 1,3,5-Trimethylbenzene	13.176	105	179932	21.623	ug/l		99
77) t-1,4-Dichloro-2-butene	12.735	75	21768	22.169	ug/l		95
78) 4-Chlorotoluene	13.223	91	154708	22.310	ug/l		93
79) tert-butylbenzene	13.441	119	148074	20.916	ug/l		96
80) 1,2,4-Trimethylbenzene	13.482	105	180724	21.777	ug/l		93
81) sec-Butylbenzene	13.617	105	218785	21.429	ug/l		100
82) p-Isopropyltoluene	13.729	119	181110	21.151	ug/l		97
83) 1,3-Dichlorobenzene	13.735	146	102240	22.519	ug/l		97
84) 1,4-Dichlorobenzene	13.811	146	98991	22.524	ug/l		99
85) n-Butylbenzene	14.058	91	156964	21.763	ug/l		97
86) Hexachloroethane	14.335	117	36804	22.498	ug/l		83
87) 1,2-Dichlorobenzene	14.106	146	98967	22.901	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	14537	26.038	ug/l		88
89) 1,2,4-Trichlorobenzene	15.847	180	52188	22.032	ug/l		96
90) Hexachlorobutadiene	15.505	225	20654	21.759	ug/l		98
91) Naphthalene	15.641	128	153413	20.145	ug/l		99
92) 1,2,3-Trichlorobenzene	15.847	180	52188	22.032	ug/l		96

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

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