

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101424\
 Data File : VN084410.D
 Acq On : 14 Oct 2024 16:06
 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 10/15/2024
 Supervised By : Mahesh Dadoda 10/15/2024

Quant Time: Oct 15 01:35:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:22:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	33186	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	173563	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	160566	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	75482	28.252	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 94.167%			
60) 4-Bromofluorobenzene	12.847	95	80877	30.520	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.733%			
63) Toluene-d8	10.565	98	227582	30.595	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	35124	17.335	ug/l	99
3) Chloromethane	2.353	50	40502	17.566	ug/l	97
4) Vinyl Chloride	2.518	62	39860	17.629	ug/l	99
5) Bromomethane	2.959	94	26100	17.423	ug/l	85
6) Chloroethane	3.124	64	25306	17.072	ug/l	91
7) Trichlorofluoromethane	3.500	101	66354	18.016	ug/l	98
8) Diethyl Ether	3.965	74	21231	15.679	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	39017	18.841	ug/l	99
10) 1,1-Dichloroethene	4.342	96	35267	17.067	ug/l	92
11) Methyl Iodide	4.589	142	44652	16.444	ug/l	98
12) Methyl Acetate	5.018	43	43315	16.744	ug/l	98
13) Acrolein	4.183	56	31689	65.944	ug/l	99
14) Acrylonitrile	5.718	53	87842	75.583	ug/l	98
15) Acetone	4.424	58	29559	89.035	ug/l	96
16) Carbon Disulfide	4.712	76	103297	16.787	ug/l	97
17) Allyl chloride	5.024	41	53782	16.056	ug/l	93
18) Methylene Chloride	5.277	84	41557	17.853	ug/l	97
19) trans-1,2-Dichloroethene	5.783	96	37840	17.303	ug/l	94
20) Diisopropyl ether	6.665	45	126412	17.553	ug/l	98
21) 1,1-Dichloroethane	6.571	63	73953	17.896	ug/l	97
22) cis-1,2-Dichloroethene	7.483	96	44662	17.551	ug/l	99
23) tert-Butyl Alcohol	5.518	59	28260	63.393	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	111747	16.182	ug/l #	89
25) Chloroform	7.965	83	76596	18.301	ug/l	96
26) Cyclohexane	8.253	56	55475	16.051	ug/l #	94
29) 1,1-Dichloropropene	8.371	75	52451	18.409	ug/l	99
30) 2-Butanone	7.477	43	118075	77.837	ug/l	99
31) 2,2-Dichloropropane	7.494	77	65168	19.464	ug/l #	80
32) 1,1,1-Trichloroethane	8.165	97	70049	19.235	ug/l	99
33) Carbon Tetrachloride	8.359	117	57538	18.237	ug/l	98
34) Benzene	8.606	78	163395	18.320	ug/l	95
35) Methacrylonitrile	7.771	41	27297	16.867	ug/l	93
36) 1,2-Dichloroethane	8.671	62	54828	18.443	ug/l	98
37) Trichloroethene	9.353	130	38644	18.817	ug/l	100
38) Methylcyclohexane	9.600	83	54370	17.373	ug/l	97
39) 1,2-Dichloropropane	9.618	63	40699	18.713	ug/l	98
40) Dibromomethane	9.706	93	27523	18.107	ug/l	98
41) Bromodichloromethane	9.882	83	59665	18.490	ug/l	91
42) Vinyl Acetate	6.600	43	439405	83.286	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.559	43	46198	15.442	ug/l	#	80
44) Isopropyl Acetate	8.688	43	82777	16.905	ug/l		99
45) 1,4-Dioxane	9.700	88	14247	322.753	ug/l		88
46) Methyl methacrylate	9.677	41	36727	15.523	ug/l		94
47) n-amyl Acetate	12.494	43	67058	15.396	ug/l		97
48) t-1,3-Dichloropropene	10.835	75	57664	17.293	ug/l		99
49) cis-1,3-Dichloropropene	10.312	75	63766	18.247	ug/l		97
50) 1,1,2-Trichloroethane	11.018	97	38114	18.655	ug/l		94
51) Ethyl methacrylate	10.871	69	52556	15.573	ug/l		98
52) 1,3-Dichloropropane	11.159	76	64436	18.037	ug/l		98
53) Dibromochloromethane	11.359	129	43606	18.067	ug/l		96
54) 1,2-Dibromoethane	11.465	107	35617	16.936	ug/l		92
55) 2-Chloroethyl vinyl ether	10.159	63	137575	89.882	ug/l		99
56) Bromoform	12.576	173	27370	17.098	ug/l		96
58) 4-Methyl-2-Pentanone	10.441	43	237071	79.259	ug/l		100
59) 2-Hexanone	11.194	43	172132	77.446	ug/l		100
61) Tetrachloroethene	11.100	164	38168	21.015	ug/l		95
62) Toluene	10.629	91	173041	18.409	ug/l		100
64) Chlorobenzene	11.888	112	106524	18.211	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.959	131	38483	18.937	ug/l		98
66) Ethyl Benzene	11.965	91	180142	17.639	ug/l		98
67) m/p-Xylenes	12.070	106	143254	36.977	ug/l		97
68) o-Xylene	12.400	106	66248	17.741	ug/l		97
69) Styrene	12.412	104	112332	17.523	ug/l		100
70) Isopropylbenzene	12.694	105	169003	17.728	ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.935	83	49693	16.850	ug/l		98
72) 1,2,3-Trichloropropane	12.988	75	48003m	19.006	ug/l		
73) Bromobenzene	12.976	156	41647	18.039	ug/l		98
74) n-propylbenzene	13.035	91	207096	18.230	ug/l		99
75) 2-Chlorotoluene	13.123	91	128447	18.196	ug/l		99
76) 1,3,5-Trimethylbenzene	13.170	105	147463	18.371	ug/l		100
77) t-1,4-Dichloro-2-butene	12.741	75	17702	16.402	ug/l		92
78) 4-Chlorotoluene	13.217	91	131287	18.293	ug/l		99
79) tert-butylbenzene	13.435	119	119982	17.521	ug/l		99
80) 1,2,4-Trimethylbenzene	13.482	105	145213	17.830	ug/l		100
81) sec-Butylbenzene	13.612	105	173777	18.432	ug/l		100
82) p-Isopropyltoluene	13.729	119	142363	17.940	ug/l		99
83) 1,3-Dichlorobenzene	13.729	146	81130	18.899	ug/l		99
84) 1,4-Dichlorobenzene	13.812	146	78568	18.431	ug/l		99
85) n-Butylbenzene	14.053	91	118724	17.274	ug/l		99
86) Hexachloroethane	14.329	117	27744	18.147	ug/l		99
87) 1,2-Dichlorobenzene	14.106	146	76865	18.519	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9824	16.290	ug/l		99
89) 1,2,4-Trichlorobenzene	15.841	180	37392	17.327	ug/l		96
90) Hexachlorobutadiene	15.500	225	18725	18.756	ug/l		96
91) Naphthalene	15.641	128	104680	14.315	ug/l		99
92) 1,2,3-Trichlorobenzene	15.841	180	37392	17.327	ug/l		96

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

