

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041924\
 Data File : VN081802.D
 Acq On : 19 Apr 2024 11:37
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2024

Supervised By :Mahesh Dadoda 04/22/2024

Quant Time: Apr 19 23:33:46 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	17507	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.100	114	129912	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	166956	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	74063	34.436	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 114.800%#			
60) 4-Bromofluorobenzene	12.847	95	105770	32.223	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 107.400%			
63) Toluene-d8	10.565	98	201155	30.037	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.133%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.118	85	38560	15.763	ug/l	99
3) Chloromethane	2.360	50	50233	23.668	ug/l	89
4) Vinyl Chloride	2.518	62	54883	25.148	ug/l	96
5) Bromomethane	2.959	94	46560	25.191	ug/l	98
6) Chloroethane	3.124	64	46151	27.018	ug/l	96
7) Trichlorofluoromethane	3.501	101	94126	26.270	ug/l	88
8) Diethyl Ether	3.959	74	40662	30.427	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	43769	17.806	ug/l	96
10) 1,1-Dichloroethene	4.342	96	39494	17.518	ug/l	92
11) Methyl Iodide	4.589	142	39284	15.387	ug/l	96
12) Methyl Acetate	5.024	43	41622	20.106	ug/l	88
13) Acrolein	4.183	56	26908m	98.695	ug/l	
14) Acrylonitrile	5.718	53	97255	94.382	ug/l	96
15) Acetone	4.436	58	23255	102.610	ug/l	76
16) Carbon Disulfide	4.712	76	103076	16.079	ug/l	97
17) Allyl chloride	5.024	41	53669	19.679	ug/l	93
18) Methylene Chloride	5.265	84	46947m	18.085	ug/l	
19) trans-1,2-Dichloroethene	5.789	96	43893	17.754	ug/l	93
20) Diisopropyl ether	6.671	45	135127	20.812	ug/l #	92
21) 1,1-Dichloroethane	6.565	63	86442	19.968	ug/l	99
22) cis-1,2-Dichloroethene	7.489	96	57308	19.196	ug/l	99
23) tert-Butyl Alcohol	5.512	59	38707	105.816	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	139438m	19.776	ug/l	
25) Chloroform	7.965	83	100617	20.428	ug/l	97
26) Cyclohexane	8.253	56	63874	18.406	ug/l #	79
29) 1,1-Dichloropropene	8.371	75	64033	18.748	ug/l	99
30) 2-Butanone	7.483	43	133795	102.574	ug/l	100
31) 2,2-Dichloropropane	7.494	77	77131	18.131	ug/l #	70
32) 1,1,1-Trichloroethane	8.165	97	87134	18.511	ug/l	98
33) Carbon Tetrachloride	8.365	117	76052	17.824	ug/l	97
34) Benzene	8.606	78	207249	18.837	ug/l	97
35) Methacrylonitrile	7.777	41	31868	21.570	ug/l	93
36) 1,2-Dichloroethane	8.665	62	77179	21.387	ug/l	97
37) Trichloroethene	9.353	130	51454	17.673	ug/l	99
38) Methylcyclohexane	9.600	83	65414	15.670	ug/l	99
39) 1,2-Dichloropropane	9.624	63	50475	19.665	ug/l	98
40) Dibromomethane	9.712	93	41299	20.199	ug/l	95
41) Bromodichloromethane	9.888	83	82672	19.828	ug/l	94
42) Vinyl Acetate	6.606	43	542576	99.853	ug/l	100

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 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)
43) Ethyl Acetate	7.565	43	61392m	21.356	ug/l	
44) Isopropyl Acetate	8.688	43	104443	21.683	ug/l	93
45) 1,4-Dioxane	9.694	88	22941	431.452	ug/l	90
46) Methyl methacrylate	9.677	41	44757	20.663	ug/l	86
47) n-amyl Acetate	12.494	43	90369	20.908	ug/l	97
48) t-1,3-Dichloropropene	10.841	75	79632	20.047	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	82150	19.204	ug/l #	86
50) 1,1,2-Trichloroethane	11.018	97	53438	19.519	ug/l	97
51) Ethyl methacrylate	10.877	69	75216	19.731	ug/l	90
52) 1,3-Dichloropropane	11.165	76	91614	20.416	ug/l	97
53) Dibromochloromethane	11.359	129	62629	19.150	ug/l	100
54) 1,2-Dibromoethane	11.471	107	51933	18.352	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	201471	107.625	ug/l	99
56) Bromoform	12.582	173	40488	19.361	ug/l #	98
58) 4-Methyl-2-Pentanone	10.447	43	324060	112.868	ug/l	91
59) 2-Hexanone	11.194	43	239971	111.291	ug/l	92
61) Tetrachloroethene	11.106	164	54814	17.718	ug/l	95
62) Toluene	10.630	91	227630	18.741	ug/l	99
64) Chlorobenzene	11.894	112	145150	18.846	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.965	131	53130	18.990	ug/l	98
66) Ethyl Benzene	11.965	91	242725	18.795	ug/l	98
67) m/p-Xylenes	12.071	106	192290	37.590	ug/l	97
68) o-Xylene	12.400	106	95992	19.767	ug/l	91
69) Styrene	12.412	104	154639	18.698	ug/l	98
70) Isopropylbenzene	12.700	105	240667	19.210	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	70476	21.535	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	66156m	21.835	ug/l	
73) Bromobenzene	12.982	156	61565	19.832	ug/l	93
74) n-propylbenzene	13.035	91	279055	18.608	ug/l	98
75) 2-Chlorotoluene	13.129	91	177692	19.889	ug/l	97
76) 1,3,5-Trimethylbenzene	13.176	105	204784	19.258	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	25467	20.296	ug/l	94
78) 4-Chlorotoluene	13.224	91	178523	20.146	ug/l	96
79) tert-butylbenzene	13.441	119	165939	18.343	ug/l	100
80) 1,2,4-Trimethylbenzene	13.482	105	208639	19.674	ug/l	99
81) sec-Butylbenzene	13.618	105	234711	17.990	ug/l	99
82) p-Isopropyltoluene	13.729	119	199336	18.218	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	116407	20.064	ug/l	96
84) 1,4-Dichlorobenzene	13.812	146	111552	19.863	ug/l	98
85) n-Butylbenzene	14.059	91	162592	17.641	ug/l	99
86) Hexachloroethane	14.335	117	39216	18.760	ug/l	86
87) 1,2-Dichlorobenzene	14.106	146	112770	20.421	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.718	75	17092	23.957	ug/l	90
89) 1,2,4-Trichlorobenzene	15.841	180	58424	19.302	ug/l	97
90) Hexachlorobutadiene	15.500	225	22259	18.351	ug/l	97
91) Naphthalene	15.641	128	194463	19.983	ug/l	98
92) 1,2,3-Trichlorobenzene	15.841	180	58424	19.302	ug/l	97

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

