

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
 Data File : VN085022.D
 Acq On : 25 Nov 2024 10:59
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Nov 25 15:13:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/25/2024
 Supervised By : Mahesh Dadoda 11/26/2024

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

Internal Standards						
1) Bromochloromethane	7.812	128	28386	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	151585	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	140690	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	69639	30.516	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.733%			
60) 4-Bromofluorobenzene	12.847	95	75100	31.002	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.333%			
63) Toluene-d8	10.565	98	198298	29.773	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.233%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	35287	21.373	ug/l	95
3) Chloromethane	2.359	50	37727	18.980	ug/l	100
4) Vinyl Chloride	2.512	62	36081	19.548	ug/l	95
5) Bromomethane	2.901	94	19133	20.423	ug/l	98
6) Chloroethane	3.083	64	26403	21.786	ug/l #	89
7) Trichlorofluoromethane	3.477	101	62824	20.958	ug/l	91
8) Diethyl Ether	3.953	74	20750	19.406	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	36113	21.317	ug/l	98
10) 1,1-Dichloroethene	4.330	96	32558	19.681	ug/l	90
11) Methyl Iodide	4.583	142	47215	20.766	ug/l	92
12) Methyl Acetate	5.018	43	42065	16.313	ug/l	90
13) Acrolein	4.171	56	30049	94.498	ug/l	99
14) Acrylonitrile	5.712	53	78901	93.532	ug/l	96
15) Acetone	4.424	58	21524	99.303	ug/l	99
16) Carbon Disulfide	4.700	76	91459	18.789	ug/l	99
17) Allyl chloride	5.018	41	50306	17.846	ug/l	99
18) Methylene Chloride	5.271	84	38266	19.739	ug/l	96
19) trans-1,2-Dichloroethene	5.777	96	32667	18.840	ug/l	86
20) Diisopropyl ether	6.665	45	108857	19.291	ug/l	99
21) 1,1-Dichloroethane	6.559	63	67015	19.748	ug/l	98
22) cis-1,2-Dichloroethene	7.488	96	39046	18.861	ug/l	99
23) tert-Butyl Alcohol	5.542	59	26364	89.521	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	102138	19.092	ug/l	96
25) Chloroform	7.959	83	69090	19.871	ug/l	98
26) Cyclohexane	8.253	56	51888	20.017	ug/l #	97
29) 1,1-Dichloropropene	8.365	75	45502	19.929	ug/l	98
30) 2-Butanone	7.483	43	100133	95.076	ug/l	99
31) 2,2-Dichloropropane	7.483	77	59763	21.443	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	63404	20.441	ug/l	99
33) Carbon Tetrachloride	8.359	117	54925	20.751	ug/l	94
34) Benzene	8.600	78	148572	19.687	ug/l	96
35) Methacrylonitrile	7.771	41	24186	19.376	ug/l	97
36) 1,2-Dichloroethane	8.665	62	50965	20.307	ug/l #	87
37) Trichloroethene	9.347	130	33887	19.904	ug/l	97
38) Methylcyclohexane	9.600	83	48147	19.588	ug/l	100
39) 1,2-Dichloropropane	9.612	63	36132	19.889	ug/l	91
40) Dibromomethane	9.706	93	24720	19.451	ug/l	96
41) Bromodichloromethane	9.882	83	53929	19.794	ug/l	96
42) Vinyl Acetate	6.594	43	376377	95.607	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	41312	18.668	ug/l	# 87
44) Isopropyl Acetate	8.683	43	71406	15.935	ug/l	94
45) 1,4-Dioxane	9.694	88	11548	386.000	ug/l	96
46) Methyl methacrylate	9.677	41	31556	17.523	ug/l	89
47) n-amyl Acetate	12.494	43	56815	16.976	ug/l	100
48) t-1,3-Dichloropropene	10.829	75	50413	18.739	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	56704	19.667	ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	34229	20.079	ug/l	90
51) Ethyl methacrylate	10.871	69	47848	18.209	ug/l	94
52) 1,3-Dichloropropane	11.159	76	57760	19.520	ug/l	98
53) Dibromochloromethane	11.353	129	39663	19.882	ug/l	98
54) 1,2-Dibromoethane	11.465	107	34013	19.727	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	102375	79.467	ug/l	98
56) Bromoform	12.576	173	26099	19.518	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	202751	91.348	ug/l	98
59) 2-Hexanone	11.194	43	150357	92.511	ug/l	97
61) Tetrachloroethene	11.100	164	29649	20.136	ug/l	94
62) Toluene	10.629	91	153861	19.201	ug/l	98
64) Chlorobenzene	11.888	112	93484	19.325	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.959	131	35968	20.231	ug/l	99
66) Ethyl Benzene	11.959	91	157475	18.700	ug/l	95
67) m/p-Xylenes	12.065	106	124579	38.640	ug/l	98
68) o-Xylene	12.394	106	57751	18.569	ug/l	93
69) Styrene	12.412	104	98061	18.805	ug/l	99
70) Isopropylbenzene	12.694	105	148650	19.240	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	47890	19.124	ug/l	100
72) 1,2,3-Trichloropropane	12.988	75	44267m	20.702	ug/l	
73) Bromobenzene	12.976	156	39487	19.816	ug/l	98
74) n-propylbenzene	13.035	91	174516	19.317	ug/l	100
75) 2-Chlorotoluene	13.123	91	115292	19.597	ug/l	97
76) 1,3,5-Trimethylbenzene	13.170	105	129068	19.552	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	16011	18.257	ug/l	87
78) 4-Chlorotoluene	13.218	91	111612	18.777	ug/l	99
79) tert-butylbenzene	13.435	119	105981	19.414	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	132299	19.866	ug/l	96
81) sec-Butylbenzene	13.612	105	147631	19.626	ug/l	100
82) p-Isopropyltoluene	13.729	119	124803	19.746	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	70408	19.105	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	67627	18.571	ug/l	99
85) n-Butylbenzene	14.053	91	100290	18.893	ug/l	97
86) Hexachloroethane	14.329	117	25474	19.707	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	68817	18.950	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9079	18.790	ug/l	95
89) 1,2,4-Trichlorobenzene	15.835	180	31668	17.910	ug/l	97
90) Hexachlorobutadiene	15.494	225	17151	22.206	ug/l	95
91) Naphthalene	15.635	128	90609	16.046	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	31668	17.910	ug/l	97

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

