

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111524\
 Data File : VN084882.D
 Acq On : 15 Nov 2024 20:24
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Nov 15 22:31:04 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 11/17/2024
 Supervised By : Mahesh Dadoda 11/18/2024

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

Internal Standards						
1) Bromochloromethane	7.812	128	30116	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	161845	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	148835	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	73569	30.386	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.300%			
60) 4-Bromofluorobenzene	12.847	95	74102	28.916	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.400%			
63) Toluene-d8	10.565	98	212269	30.127	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.433%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.118	85	31601	18.041	ug/l	95
3) Chloromethane	2.359	50	36963	17.527	ug/l	100
4) Vinyl Chloride	2.512	62	37625	19.213	ug/l	92
5) Bromomethane	2.901	94	18085	18.195	ug/l	93
6) Chloroethane	3.065	64	26219	20.392	ug/l	94
7) Trichlorofluoromethane	3.459	101	62213	19.562	ug/l	99
8) Diethyl Ether	3.953	74	22051	19.438	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.353	101	35916	19.983	ug/l	98
10) 1,1-Dichloroethene	4.318	96	33002	18.803	ug/l	94
11) Methyl Iodide	4.571	142	38759	16.068	ug/l	90
12) Methyl Acetate	5.018	43	48771	17.827	ug/l	91
13) Acrolein	4.177	56	38684	114.665	ug/l	99
14) Acrylonitrile	5.712	53	91966	102.757	ug/l	98
15) Acetone	4.430	58	23477	102.091	ug/l	99
16) Carbon Disulfide	4.700	76	94303	18.261	ug/l	99
17) Allyl chloride	5.012	41	53478	17.882	ug/l	93
18) Methylene Chloride	5.271	84	38812	18.871	ug/l	94
19) trans-1,2-Dichloroethene	5.777	96	34181	18.580	ug/l	85
20) Diisopropyl ether	6.671	45	115762	19.336	ug/l	97
21) 1,1-Dichloroethane	6.559	63	69034	19.174	ug/l	97
22) cis-1,2-Dichloroethene	7.477	96	40999	18.667	ug/l	94
23) tert-Butyl Alcohol	5.536	59	30075	96.255	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	106918	18.838	ug/l	99
25) Chloroform	7.959	83	70617	19.144	ug/l	99
26) Cyclohexane	8.253	56	50378	18.318	ug/l	99
29) 1,1-Dichloropropene	8.365	75	45762	18.772	ug/l	98
30) 2-Butanone	7.483	43	120101	106.806	ug/l	99
31) 2,2-Dichloropropane	7.483	77	55083	18.511	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	63434	19.154	ug/l	99
33) Carbon Tetrachloride	8.353	117	53730	19.013	ug/l	99
34) Benzene	8.600	78	153115	19.003	ug/l	96
35) Methacrylonitrile	7.777	41	27163	20.381	ug/l	94
36) 1,2-Dichloroethane	8.665	62	53115	19.822	ug/l #	89
37) Trichloroethene	9.347	130	33350	18.347	ug/l	91
38) Methylcyclohexane	9.594	83	46157	17.588	ug/l	97
39) 1,2-Dichloropropane	9.612	63	37849	19.514	ug/l	93
40) Dibromomethane	9.706	93	26503	19.532	ug/l	99
41) Bromodichloromethane	9.883	83	54546	18.752	ug/l	98
42) Vinyl Acetate	6.600	43	403155	95.917	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	48505	20.529	ug/l	99
44) Isopropyl Acetate	8.688	43	87270	18.240	ug/l	100
45) 1,4-Dioxane	9.694	88	12785	400.256	ug/l	89
46) Methyl methacrylate	9.677	41	32673	16.993	ug/l	91
47) n-amyl Acetate	12.494	43	66911	18.725	ug/l	99
48) t-1,3-Dichloropropene	10.835	75	52592	18.310	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	57344	18.628	ug/l	96
50) 1,1,2-Trichloroethane	11.018	97	34715	19.073	ug/l	98
51) Ethyl methacrylate	10.877	69	51058	18.199	ug/l	93
52) 1,3-Dichloropropane	11.159	76	61521	19.473	ug/l	98
53) Dibromochloromethane	11.359	129	40253	18.899	ug/l	98
54) 1,2-Dibromoethane	11.471	107	36108	19.615	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	133194	96.835	ug/l	99
56) Bromoform	12.576	173	27400	19.192	ug/l	96
58) 4-Methyl-2-Pentanone	10.447	43	251328	107.037	ug/l	99
59) 2-Hexanone	11.194	43	181950	105.823	ug/l	100
61) Tetrachloroethene	11.100	164	29969	19.240	ug/l	96
62) Toluene	10.630	91	162405	19.158	ug/l	96
64) Chlorobenzene	11.888	112	95699	18.700	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	34910	18.562	ug/l	95
66) Ethyl Benzene	11.959	91	160632	18.031	ug/l	99
67) m/p-Xylenes	12.071	106	129574	37.990	ug/l	96
68) o-Xylene	12.400	106	60402	18.359	ug/l	95
69) Styrene	12.412	104	102615	18.601	ug/l	99
70) Isopropylbenzene	12.694	105	151645	18.554	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	54660	20.633	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	49363m	21.822	ug/l	
73) Bromobenzene	12.976	156	38001	18.027	ug/l	90
74) n-propylbenzene	13.035	91	174216	18.229	ug/l	100
75) 2-Chlorotoluene	13.123	91	117134	18.820	ug/l	98
76) 1,3,5-Trimethylbenzene	13.171	105	130571	18.698	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	16524	17.811	ug/l	94
78) 4-Chlorotoluene	13.218	91	113174	17.997	ug/l	100
79) tert-butylbenzene	13.435	119	108959	18.867	ug/l	96
80) 1,2,4-Trimethylbenzene	13.482	105	129729	18.414	ug/l	98
81) sec-Butylbenzene	13.618	105	145175	18.244	ug/l	100
82) p-Isopropyltoluene	13.729	119	117323	17.547	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	69849	17.916	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	65846	17.093	ug/l	98
85) n-Butylbenzene	14.059	91	82040	14.609	ug/l	99
86) Hexachloroethane	14.335	117	23050	16.856	ug/l	95
87) 1,2-Dichlorobenzene	14.106	146	65581	17.071	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.723	75	10366	20.279	ug/l	98
89) 1,2,4-Trichlorobenzene	15.835	180	31390	16.781	ug/l	98
90) Hexachlorobutadiene	15.500	225	14899	18.234	ug/l	93
91) Naphthalene	15.635	128	98655	16.515	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	31390	16.781	ug/l	98

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

