

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011124\
 Data File : VN080681.D
 Acq On : 11 Jan 2024 17:14
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Quant Time: Jan 12 05:52:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 12 05:20:11 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/12/2024
 Supervised By : Semsettin Yesilyurt 01/12/2024

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

Internal Standards						
1) Bromochloromethane	7.806	128	13262m	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.100	114	116506	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	129188	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	62580	29.221	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.400%		
60) 4-Bromofluorobenzene	12.847	95	84930	29.718	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.067%		
63) Toluene-d8	10.565	98	171770	30.296	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	43970	19.508	ug/l	98
3) Chloromethane	2.359	50	61059	19.886	ug/l	95
4) Vinyl Chloride	2.512	62	44070	18.869	ug/l	90
5) Bromomethane	2.959	94	16253	18.952	ug/l	98
6) Chloroethane	3.124	64	24370	19.300	ug/l	97
7) Trichlorofluoromethane	3.501	101	65738	18.840	ug/l	94
8) Diethyl Ether	3.953	74	31051	19.123	ug/l	69
9) 1,1,2-Trichlorotrifluo...	4.383	101	40725m	20.254	ug/l	
10) 1,1-Dichloroethene	4.342	96	41553	19.239	ug/l	91
11) Methyl Iodide	4.583	142	33266	18.058	ug/l	79
12) Methyl Acetate	5.024	43	51607	20.196	ug/l	# 70
13) Acrolein	4.177	56	36797	108.331	ug/l	96
14) Acrylonitrile	5.712	53	117624	102.150	ug/l	97
15) Acetone	4.424	58	21765	83.324	ug/l	79
16) Carbon Disulfide	4.712	76	124844	18.658	ug/l	# 95
17) Allyl chloride	5.024	41	79981	18.293	ug/l	84
18) Methylene Chloride	5.283	84	49234	19.616	ug/l	# 87
19) trans-1,2-Dichloroethene	5.783	96	45806	20.171	ug/l	97
20) Diisopropyl ether	6.671	45	179950	20.282	ug/l	# 94
21) 1,1-Dichloroethane	6.565	63	94681	19.651	ug/l	93
22) cis-1,2-Dichloroethene	7.488	96	54066	20.352	ug/l	87
23) tert-Butyl Alcohol	5.512	59	39181	98.660	ug/l	# 100
24) Methyl tert-Butyl Ether	5.789	73	153424	19.646	ug/l	# 91
25) Chloroform	7.965	83	87561	19.519	ug/l	93
26) Cyclohexane	8.259	56	75964	20.049	ug/l	90
29) 1,1-Dichloropropene	8.377	75	66452	18.764	ug/l	98
30) 2-Butanone	7.483	43	141640	90.381	ug/l	93
31) 2,2-Dichloropropane	7.488	77	79202	18.616	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	73479	18.855	ug/l	# 93
33) Carbon Tetrachloride	8.359	117	58053	18.862	ug/l	93
34) Benzene	8.606	78	202663	19.293	ug/l	97
35) Methacrylonitrile	7.777	41	39926	20.303	ug/l	94
36) 1,2-Dichloroethane	8.671	62	71790	18.586	ug/l	# 94
37) Trichloroethene	9.347	130	45634	19.919	ug/l	98
38) Methylcyclohexane	9.600	83	66923	19.397	ug/l	94
39) 1,2-Dichloropropane	9.618	63	57802	20.415	ug/l	100
40) Dibromomethane	9.706	93	30984	18.392	ug/l	86
41) Bromodichloromethane	9.888	83	67454	18.297	ug/l	# 92
42) Vinyl Acetate	6.600	43	704279	96.691	ug/l	95

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :John Carlone 01/12/2024
 Supervised By :Semsettin Yesilyurt 01/12/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	58139	17.668	ug/l #	88
44) Isopropyl Acetate	8.688	43	118134	18.806	ug/l	93
45) 1,4-Dioxane	9.688	88	13410	375.349	ug/l #	72
46) Methyl methacrylate	9.677	41	58441	19.757	ug/l	81
47) n-amyl Acetate	12.494	43	110791m	19.655	ug/l	
48) t-1,3-Dichloropropene	10.835	75	80523	18.537	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	90392	19.605	ug/l #	84
50) 1,1,2-Trichloroethane	11.018	97	45900	19.839	ug/l	94
51) Ethyl methacrylate	10.876	69	77855	19.467	ug/l #	70
52) 1,3-Dichloropropane	11.165	76	84240	19.341	ug/l	100
53) Dibromochloromethane	11.359	129	45286	19.561	ug/l	100
54) 1,2-Dibromoethane	11.471	107	44749	19.677	ug/l	97
55) 2-Chloroethyl vinyl ether	10.159	63	215528	104.846	ug/l	95
56) Bromoform	12.576	173	25782	18.852	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	331621	97.581	ug/l #	85
59) 2-Hexanone	11.194	43	237336	93.537	ug/l #	88
61) Tetrachloroethene	11.106	164	33743	19.622	ug/l	93
62) Toluene	10.629	91	209215	20.135	ug/l	98
64) Chlorobenzene	11.894	112	113261	19.570	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.965	131	39844	19.161	ug/l	93
66) Ethyl Benzene	11.965	91	219364	20.072	ug/l	99
67) m/p-Xylenes	12.071	106	155747	39.651	ug/l	95
68) o-Xylene	12.400	106	78671	20.082	ug/l	98
69) Styrene	12.412	104	132723	20.167	ug/l	98
70) Isopropylbenzene	12.694	105	188768	19.716	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	59313	18.980	ug/l	96
72) 1,2,3-Trichloropropane	12.994	75	63339m	21.385	ug/l	
73) Bromobenzene	12.982	156	38166	18.702	ug/l	71
74) n-propylbenzene	13.035	91	228444	19.784	ug/l	95
75) 2-Chlorotoluene	13.123	91	141691	19.513	ug/l	96
76) 1,3,5-Trimethylbenzene	13.176	105	158362	19.873	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	24450	20.137	ug/l	83
78) 4-Chlorotoluene	13.223	91	139791	19.259	ug/l	97
79) tert-butylbenzene	13.441	119	124995	20.095	ug/l	94
80) 1,2,4-Trimethylbenzene	13.482	105	159083	20.405	ug/l	98
81) sec-Butylbenzene	13.617	105	178091	19.450	ug/l	98
82) p-Isopropyltoluene	13.729	119	143948	20.614	ug/l	97
83) 1,3-Dichlorobenzene	13.729	146	70463	19.902	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	68783	19.295	ug/l	95
85) n-Butylbenzene	14.059	91	136015	19.714	ug/l	97
86) Hexachloroethane	14.335	117	23741	18.080	ug/l	75
87) 1,2-Dichlorobenzene	14.106	146	70173	20.205	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11530	17.721	ug/l #	81
89) 1,2,4-Trichlorobenzene	15.835	180	33927	19.476	ug/l	98
90) Hexachlorobutadiene	15.506	225	14359	17.991	ug/l	95
91) Naphthalene	15.641	128	124573	18.344	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	33927	19.476	ug/l	98

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

