

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050224\
 Data File : VN081969.D
 Acq On : 02 May 2024 09:25
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: May 03 00:07:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 05/03/2024
 Supervised By :Semsettin Yesilyurt 05/03/2024

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

Internal Standards						
1) Bromochloromethane	7.812	128	38887	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	239970	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	214947	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	102556	31.499	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	105.000%	
60) 4-Bromofluorobenzene	12.853	95	102184	28.565	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	95.233%	
63) Toluene-d8	10.571	98	303712	29.753	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	99.167%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	42658	19.325	ug/l	96
3) Chloromethane	2.359	50	50032	19.544	ug/l	96
4) Vinyl Chloride	2.518	62	46660	19.295	ug/l #	89
5) Bromomethane	2.953	94	23282	18.450	ug/l	86
6) Chloroethane	3.118	64	26117	19.072	ug/l	90
7) Trichlorofluoromethane	3.500	101	64370	18.190	ug/l	99
8) Diethyl Ether	3.959	74	33492	19.551	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.377	101	44171	18.208	ug/l	92
10) 1,1-Dichloroethene	4.342	96	45706	19.258	ug/l	91
11) Methyl Iodide	4.583	142	37037	17.076	ug/l	89
12) Methyl Acetate	5.024	43	62812	21.136	ug/l #	80
13) Acrolein	4.183	56	46501	73.624	ug/l	99
14) Acrylonitrile	5.718	53	144032	106.193	ug/l	96
15) Acetone	4.424	58	32244	106.091	ug/l	94
16) Carbon Disulfide	4.712	76	121778	18.520	ug/l	99
17) Allyl chloride	5.018	41	84271	20.224	ug/l	85
18) Methylene Chloride	5.277	84	54865	20.317	ug/l	87
19) trans-1,2-Dichloroethene	5.783	96	47189	19.101	ug/l	94
20) Diisopropyl ether	6.671	45	184671	20.031	ug/l #	94
21) 1,1-Dichloroethane	6.565	63	96138	19.694	ug/l	98
22) cis-1,2-Dichloroethene	7.488	96	58642	19.479	ug/l #	84
23) tert-Butyl Alcohol	5.518	59	60353	108.028	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	165686	19.364	ug/l #	90
25) Chloroform	7.965	83	90517	19.274	ug/l	90
26) Cyclohexane	8.265	56	84009	19.901	ug/l #	85
29) 1,1-Dichloropropene	8.377	75	65754	18.405	ug/l	98
30) 2-Butanone	7.483	43	185806	100.896	ug/l	94
31) 2,2-Dichloropropane	7.488	77	78953	21.565	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	74329	18.090	ug/l #	93
33) Carbon Tetrachloride	8.365	117	60950	18.278	ug/l	98
34) Benzene	8.606	78	217686	19.100	ug/l	95
35) Methacrylonitrile	7.777	41	45302	19.444	ug/l	91
36) 1,2-Dichloroethane	8.671	62	69074	18.054	ug/l	99
37) Trichloroethene	9.353	130	48579	17.402	ug/l	96
38) Methylcyclohexane	9.606	83	81551	18.896	ug/l	97
39) 1,2-Dichloropropane	9.624	63	57380	19.621	ug/l	93
40) Dibromomethane	9.706	93	36300	19.322	ug/l	88
41) Bromodichloromethane	9.888	83	73499	18.304	ug/l #	92
42) Vinyl Acetate	6.606	43	738280	94.189	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	73488	18.303	ug/l	98
44) Isopropyl Acetate	8.682	43	136016	19.081	ug/l	93
45) 1,4-Dioxane	9.694	88	22470	393.062	ug/l	92
46) Methyl methacrylate	9.682	41	63780	19.585	ug/l	80
47) n-amyl Acetate	12.494	43	121716	18.931	ug/l #	87
48) t-1,3-Dichloropropene	10.835	75	80788	18.553	ug/l	90
49) cis-1,3-Dichloropropene	10.312	75	91109	19.789	ug/l #	87
50) 1,1,2-Trichloroethane	11.018	97	48912	19.190	ug/l	91
51) Ethyl methacrylate	10.871	69	94728	19.692	ug/l	84
52) 1,3-Dichloropropane	11.165	76	90221	19.267	ug/l	98
53) Dibromochloromethane	11.359	129	51601	18.607	ug/l	98
54) 1,2-Dibromoethane	11.470	107	48270	18.989	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	271285	112.775	ug/l	97
56) Bromoform	12.582	173	31323	18.559	ug/l #	91
58) 4-Methyl-2-Pentanone	10.447	43	406970	97.510	ug/l #	86
59) 2-Hexanone	11.194	43	309038	99.867	ug/l #	88
61) Tetrachloroethene	11.106	164	39698	16.644	ug/l	92
62) Toluene	10.629	91	222301	18.381	ug/l	100
64) Chlorobenzene	11.894	112	139434	18.849	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.965	131	43960	18.157	ug/l	94
66) Ethyl Benzene	11.965	91	245182	18.495	ug/l	97
67) m/p-Xylenes	12.070	106	180979	36.821	ug/l	98
68) o-Xylene	12.400	106	92622	19.046	ug/l	94
69) Styrene	12.412	104	152254	18.651	ug/l	99
70) Isopropylbenzene	12.694	105	226586	18.346	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.941	83	70362	19.797	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	66900m	20.134	ug/l	
73) Bromobenzene	12.982	156	47527	17.977	ug/l	82
74) n-propylbenzene	13.035	91	271930	18.662	ug/l	100
75) 2-Chlorotoluene	13.129	91	165258	18.333	ug/l	97
76) 1,3,5-Trimethylbenzene	13.176	105	186092	18.615	ug/l	97
77) t-1,4-Dichloro-2-butene	12.735	75	27923	18.880	ug/l	95
78) 4-Chlorotoluene	13.223	91	162304	18.379	ug/l	98
79) tert-butylbenzene	13.441	119	157722	18.324	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	185839	18.507	ug/l	97
81) sec-Butylbenzene	13.617	105	231750	19.208	ug/l	97
82) p-Isopropyltoluene	13.729	119	175572	18.402	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	88643	18.621	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	87601	18.308	ug/l	98
85) n-Butylbenzene	14.059	91	164564	18.883	ug/l	97
86) Hexachloroethane	14.335	117	34452	18.110	ug/l	74
87) 1,2-Dichlorobenzene	14.106	146	89801	18.940	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.723	75	14261	17.881	ug/l	86
89) 1,2,4-Trichlorobenzene	15.841	180	45512	17.433	ug/l	98
90) Hexachlorobutadiene	15.500	225	15969	16.516	ug/l	95
91) Naphthalene	15.641	128	179382	18.075	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	45512	17.433	ug/l	98

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

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