

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042924\
 Data File : VN081917.D
 Acq On : 29 Apr 2024 16:45
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Apr 30 04:40:00 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

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

Internal Standards						
1) Bromochloromethane	7.812	128	42701	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	256833	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	228965	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	106238	29.716	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.067%		
60) 4-Bromofluorobenzene	12.853	95	111822	29.346	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.833%		
63) Toluene-d8	10.571	98	321773	29.592	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.633%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	47734	19.693	ug/l	100
3) Chloromethane	2.360	50	50414	17.934	ug/l	99
4) Vinyl Chloride	2.518	62	48121	18.121	ug/l	92
5) Bromomethane	2.959	94	22099	15.948	ug/l	83
6) Chloroethane	3.124	64	27810	18.494	ug/l	98
7) Trichlorofluoromethane	3.501	101	75840	19.518	ug/l	87
8) Diethyl Ether	3.959	74	36325	19.311	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.371	101	48805	18.321	ug/l	94
10) 1,1-Dichloroethene	4.342	96	49050	18.821	ug/l	91
11) Methyl Iodide	4.595	142	45899	19.271	ug/l	82
12) Methyl Acetate	5.030	43	63292	19.395	ug/l #	84
13) Acrolein	4.189	56	24149	34.819	ug/l	96
14) Acrylonitrile	5.718	53	142851	95.915	ug/l	99
15) Acetone	4.436	58	34450	103.225	ug/l	98
16) Carbon Disulfide	4.718	76	132582	18.363	ug/l	100
17) Allyl chloride	5.024	41	86788	18.968	ug/l	91
18) Methylene Chloride	5.283	84	55674	18.775	ug/l #	85
19) trans-1,2-Dichloroethene	5.795	96	49839	18.372	ug/l	85
20) Diisopropyl ether	6.671	45	189130	18.682	ug/l	92
21) 1,1-Dichloroethane	6.577	63	103108	19.235	ug/l	94
22) cis-1,2-Dichloroethene	7.489	96	63547	19.223	ug/l	95
23) tert-Butyl Alcohol	5.524	59	55256	90.071	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	178869	19.037	ug/l #	87
25) Chloroform	7.971	83	97484	18.903	ug/l	98
26) Cyclohexane	8.259	56	89716	19.354	ug/l #	89
29) 1,1-Dichloropropene	8.371	75	71786m	18.774	ug/l	
30) 2-Butanone	7.489	43	182761	92.727	ug/l	98
31) 2,2-Dichloropropane	7.489	77	88977	22.708	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	84163	19.139	ug/l	95
33) Carbon Tetrachloride	8.365	117	66383	18.601	ug/l	93
34) Benzene	8.606	78	233701	19.159	ug/l	97
35) Methacrylonitrile	7.777	41	46933	18.822	ug/l	98
36) 1,2-Dichloroethane	8.671	62	76096	18.583	ug/l	99
37) Trichloroethene	9.353	130	50063	16.756	ug/l	88
38) Methylcyclohexane	9.606	83	89315	19.336	ug/l	97
39) 1,2-Dichloropropane	9.624	63	62427	19.945	ug/l	97
40) Dibromomethane	9.712	93	36641	18.223	ug/l	90
41) Bromodichloromethane	9.894	83	81047	18.858	ug/l #	99
42) Vinyl Acetate	6.606	43	776177	92.522	ug/l	97

04/30/2024
 Supervised By :Mahesh
 Gadoda

04/30/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	77325	17.994	ug/l	94
44) Isopropyl Acetate	8.694	43	141170	18.504	ug/l	91
45) 1,4-Dioxane	9.700	88	23557	385.020	ug/l #	92
46) Methyl methacrylate	9.688	41	64985	18.645	ug/l	91
47) n-amyl Acetate	12.494	43	127767	18.568	ug/l	92
48) t-1,3-Dichloropropene	10.835	75	88703	19.033	ug/l	98
49) cis-1,3-Dichloropropene	10.318	75	96930	19.671	ug/l #	82
50) 1,1,2-Trichloroethane	11.018	97	51548	18.896	ug/l	94
51) Ethyl methacrylate	10.877	69	101226	19.661	ug/l	81
52) 1,3-Dichloropropane	11.165	76	95105	18.976	ug/l	98
53) Dibromochloromethane	11.359	129	55517	18.705	ug/l	98
54) 1,2-Dibromoethane	11.471	107	53286	19.586	ug/l	95
55) 2-Chloroethyl vinyl ether	10.165	63	233254	90.599	ug/l	97
56) Bromoform	12.582	173	33316	18.443	ug/l #	95
58) 4-Methyl-2-Pentanone	10.447	43	409010	91.999	ug/l #	88
59) 2-Hexanone	11.200	43	310506	94.198	ug/l #	88
61) Tetrachloroethene	11.106	164	44072	17.347	ug/l	87
62) Toluene	10.635	91	240908	18.700	ug/l	99
64) Chlorobenzene	11.894	112	150101	19.049	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.965	131	49903	19.350	ug/l	96
66) Ethyl Benzene	11.965	91	267665	18.955	ug/l	98
67) m/p-Xylenes	12.071	106	203682	38.903	ug/l	96
68) o-Xylene	12.400	106	98957	19.103	ug/l	96
69) Styrene	12.412	104	161910	18.620	ug/l	99
70) Isopropylbenzene	12.700	105	248832	18.914	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	75428	19.923	ug/l	98
72) 1,2,3-Trichloropropane	13.000	75	69190m	19.548	ug/l	
73) Bromobenzene	12.982	156	53698	19.067	ug/l	87
74) n-propylbenzene	13.035	91	294584	18.979	ug/l	100
75) 2-Chlorotoluene	13.129	91	176844	18.417	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	201900	18.960	ug/l	98
77) t-1,4-Dichloro-2-butene	12.741	75	31264	19.845	ug/l	90
78) 4-Chlorotoluene	13.224	91	176381	18.750	ug/l	100
79) tert-butylbenzene	13.441	119	172342	18.797	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	200998	18.791	ug/l	98
81) sec-Butylbenzene	13.618	105	248024	19.298	ug/l	97
82) p-Isopropyltoluene	13.729	119	198169	19.499	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	97655	19.258	ug/l	99
84) 1,4-Dichlorobenzene	13.818	146	97468	19.123	ug/l	98
85) n-Butylbenzene	14.059	91	183346	19.750	ug/l	96
86) Hexachloroethane	14.335	117	39062	19.277	ug/l	75
87) 1,2-Dichlorobenzene	14.106	146	96727	19.152	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.723	75	15996	18.829	ug/l	88
89) 1,2,4-Trichlorobenzene	15.841	180	52221	18.778	ug/l	99
90) Hexachlorobutadiene	15.506	225	19119	18.563	ug/l	98
91) Naphthalene	15.647	128	200216	18.939	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	52221	18.778	ug/l	99

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

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