

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092624\
 Data File : VN084174.D
 Acq On : 26 Sep 2024 13:06
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Manual Integrations

APPROVED

Reviewed By :Mahesh
 Dadoda

09/27/2024

Supervised By :Semsettin
 Yesilyurt

09/27/2024

Quant Time: Sep 27 01:07:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	28428	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	144902	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	139198	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	74000	28.478	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 94.933%			
60) 4-Bromofluorobenzene	12.847	95	72811	30.350	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.167%			
63) Toluene-d8	10.565	98	195189	30.284	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.933%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	28678	15.064	ug/l	95
3) Chloromethane	2.359	50	36096	18.248	ug/l	99
4) Vinyl Chloride	2.512	62	34879	17.152	ug/l	98
5) Bromomethane	2.959	94	22538	19.838	ug/l	99
6) Chloroethane	3.124	64	22084	16.218	ug/l	93
7) Trichlorofluoromethane	3.501	101	53115	15.580	ug/l	95
8) Diethyl Ether	3.965	74	21028	18.153	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.371	101	29340	16.022	ug/l	96
10) 1,1-Dichloroethene	4.342	96	30400	17.206	ug/l	85
11) Methyl Iodide	4.589	142	38228	15.929	ug/l	97
12) Methyl Acetate	5.024	43	48124	22.584	ug/l #	82
13) Acrolein	4.177	56	34152	109.823	ug/l	96
14) Acrylonitrile	5.724	53	92083	106.786	ug/l	98
15) Acetone	4.436	58	25474	89.055	ug/l	96
16) Carbon Disulfide	4.718	76	83234	16.669	ug/l	98
17) Allyl chloride	5.024	41	49179	15.872	ug/l	87
18) Methylene Chloride	5.277	84	37353	19.324	ug/l	88
19) trans-1,2-Dichloroethene	5.789	96	31940	17.442	ug/l	97
20) Diisopropyl ether	6.677	45	121904	19.482	ug/l	95
21) 1,1-Dichloroethane	6.565	63	67073	18.775	ug/l	95
22) cis-1,2-Dichloroethene	7.488	96	39543	17.742	ug/l	92
23) tert-Butyl Alcohol	5.530	59	33389	105.517	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	111768	17.801	ug/l #	90
25) Chloroform	7.965	83	71044	18.765	ug/l	93
26) Cyclohexane	8.253	56	43793	13.918	ug/l #	89
29) 1,1-Dichloropropene	8.371	75	43335	18.855	ug/l	98
30) 2-Butanone	7.483	43	124109	114.554	ug/l	93
31) 2,2-Dichloropropane	7.488	77	48304	16.485	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	59002	19.223	ug/l	98
33) Carbon Tetrachloride	8.365	117	49525	18.632	ug/l	93
34) Benzene	8.606	78	146027	21.175	ug/l	97
35) Methacrylonitrile	7.777	41	29057	23.858	ug/l	90
36) 1,2-Dichloroethane	8.671	62	54274	20.935	ug/l	95
37) Trichloroethene	9.353	130	32764	20.233	ug/l	82
38) Methylcyclohexane	9.600	83	40712	14.796	ug/l	91
39) 1,2-Dichloropropane	9.624	63	37079	22.341	ug/l	99
40) Dibromomethane	9.706	93	26669	21.976	ug/l	95
41) Bromodichloromethane	9.888	83	56410	21.859	ug/l	99
42) Vinyl Acetate	6.600	43	429813	96.491	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.565	43	50011	22.934	ug/l	#	83
44) Isopropyl Acetate	8.688	43	84201	22.324	ug/l		91
45) 1,4-Dioxane	9.694	88	13523	459.687	ug/l	#	91
46) Methyl methacrylate	9.682	41	39714	21.754	ug/l		82
47) n-amyl Acetate	12.494	43	74179	22.203	ug/l		93
48) t-1,3-Dichloropropene	10.835	75	55136	20.312	ug/l		93
49) cis-1,3-Dichloropropene	10.312	75	58903	20.865	ug/l	#	89
50) 1,1,2-Trichloroethane	11.018	97	35628	23.072	ug/l		95
51) Ethyl methacrylate	10.877	69	54859	20.794	ug/l		81
52) 1,3-Dichloropropane	11.165	76	62584	22.442	ug/l		99
53) Dibromochloromethane	11.359	129	41619	22.470	ug/l		100
54) 1,2-Dibromoethane	11.471	107	35449	22.190	ug/l		97
55) 2-Chloroethyl vinyl ether	10.159	63	171319	162.945	ug/l		96
56) Bromoform	12.582	173	26274	22.328	ug/l	#	96
58) 4-Methyl-2-Pentanone	10.447	43	259544	117.592	ug/l	#	89
59) 2-Hexanone	11.194	43	188623	113.100	ug/l	#	87
61) Tetrachloroethene	11.106	164	28871	19.598	ug/l		97
62) Toluene	10.629	91	155189	19.396	ug/l		100
64) Chlorobenzene	11.888	112	96980	19.578	ug/l		100
65) 1,1,1,2-Tetrachloroethane	11.959	131	35107	20.344	ug/l		98
66) Ethyl Benzene	11.965	91	161491	17.749	ug/l		100
67) m/p-Xylenes	12.071	106	124220	37.109	ug/l		100
68) o-Xylene	12.400	106	58623	18.095	ug/l		94
69) Styrene	12.412	104	104904	19.164	ug/l		100
70) Isopropylbenzene	12.694	105	148122	17.325	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.935	83	50181	21.490	ug/l		98
72) 1,2,3-Trichloropropane	12.994	75	44607m	21.788	ug/l		
73) Bromobenzene	12.976	156	38245	19.475	ug/l		95
74) n-propylbenzene	13.035	91	181189	18.104	ug/l		99
75) 2-Chlorotoluene	13.123	91	117752	18.851	ug/l		98
76) 1,3,5-Trimethylbenzene	13.170	105	127498	17.853	ug/l		98
77) t-1,4-Dichloro-2-butene	12.735	75	17320	20.014	ug/l		88
78) 4-Chlorotoluene	13.223	91	119633	18.885	ug/l		100
79) tert-butylbenzene	13.435	119	100362	16.071	ug/l		98
80) 1,2,4-Trimethylbenzene	13.482	105	128613	17.821	ug/l		97
81) sec-Butylbenzene	13.618	105	145985	17.112	ug/l		100
82) p-Isopropyltoluene	13.729	119	120332	16.764	ug/l		98
83) 1,3-Dichlorobenzene	13.729	146	71445	18.903	ug/l		98
84) 1,4-Dichlorobenzene	13.812	146	70850	18.750	ug/l		99
85) n-Butylbenzene	14.053	91	103588	16.354	ug/l		99
86) Hexachloroethane	14.335	117	24240	17.820	ug/l		86
87) 1,2-Dichlorobenzene	14.106	146	70391	19.190	ug/l		100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10203	19.882	ug/l		91
89) 1,2,4-Trichlorobenzene	15.835	180	34340	17.089	ug/l		99
90) Hexachlorobutadiene	15.500	225	14457	17.381	ug/l		99
91) Naphthalene	15.641	128	106916	16.274	ug/l		99
92) 1,2,3-Trichlorobenzene	15.835	180	34340	17.089	ug/l		99

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

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