

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092624\
 Data File : VN084194.D
 Acq On : 26 Sep 2024 22:16
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/27/2024
 Supervised By :Semsettin Yesilyurt 09/27/2024

Quant Time: Sep 27 01:16:22 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	26626	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	139229	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	129927	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	67725	27.827	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	92.767%		
60) 4-Bromofluorobenzene	12.847	95	66533	29.712	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.033%		
63) Toluene-d8	10.565	98	188190	31.281	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	104.267%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	29990	16.819	ug/l	92
3) Chloromethane	2.365	50	36948	19.943	ug/l	96
4) Vinyl Chloride	2.512	62	35467	18.622	ug/l	94
5) Bromomethane	2.959	94	22532	21.175	ug/l	98
6) Chloroethane	3.124	64	24286	19.042	ug/l	96
7) Trichlorofluoromethane	3.500	101	56483	17.689	ug/l	92
8) Diethyl Ether	3.965	74	19507	17.979	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.377	101	31201	18.191	ug/l	83
10) 1,1-Dichloroethene	4.347	96	30202	18.251	ug/l	84
11) Methyl Iodide	4.589	142	39157	17.420	ug/l	97
12) Methyl Acetate	5.030	43	47464	23.782	ug/l #	77
13) Acrolein	4.177	56	30623	105.139	ug/l #	53
14) Acrylonitrile	5.718	53	89430	110.729	ug/l	98
15) Acetone	4.436	58	24471	91.339	ug/l	96
16) Carbon Disulfide	4.718	76	83391	17.831	ug/l	98
17) Allyl chloride	5.024	41	49096	16.918	ug/l	83
18) Methylene Chloride	5.283	84	36654	20.245	ug/l	89
19) trans-1,2-Dichloroethene	5.794	96	32180	18.762	ug/l	98
20) Diisopropyl ether	6.671	45	117198	19.998	ug/l	96
21) 1,1-Dichloroethane	6.565	63	66361	19.833	ug/l	96
22) cis-1,2-Dichloroethene	7.488	96	39170	18.764	ug/l	98
23) tert-Butyl Alcohol	5.518	59	33143	111.828	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	107455	18.272	ug/l #	90
25) Chloroform	7.965	83	70292	19.823	ug/l	96
26) Cyclohexane	8.259	56	47746	16.201	ug/l #	86
29) 1,1-Dichloropropene	8.371	75	44890	20.327	ug/l	96
30) 2-Butanone	7.483	43	120856	116.097	ug/l	93
31) 2,2-Dichloropropane	7.488	77	48045	17.064	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	59732	20.253	ug/l	96
33) Carbon Tetrachloride	8.365	117	50664	19.837	ug/l	97
34) Benzene	8.606	78	145646	21.981	ug/l	99
35) Methacrylonitrile	7.782	41	26517	22.660	ug/l	92
36) 1,2-Dichloroethane	8.671	62	52492	21.073	ug/l	96
37) Trichloroethene	9.353	130	32216	20.705	ug/l	93
38) Methylcyclohexane	9.600	83	43978	16.634	ug/l	86
39) 1,2-Dichloropropane	9.624	63	37363	23.429	ug/l	94
40) Dibromomethane	9.712	93	26167	22.441	ug/l	94
41) Bromodichloromethane	9.888	83	55346	22.321	ug/l #	97
42) Vinyl Acetate	6.600	43	409136	95.591	ug/l	96

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 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDCCC020EC

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	43832	20.919	ug/l #	92
44) Isopropyl Acetate	8.688	43	79752	22.006	ug/l	91
45) 1,4-Dioxane	9.694	88	14723	520.871	ug/l #	97
46) Methyl methacrylate	9.682	41	36841	21.003	ug/l	84
47) n-amyl Acetate	12.494	43	69482	21.644	ug/l	95
48) t-1,3-Dichloropropene	10.835	75	50311	19.290	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	56066	20.670	ug/l #	87
50) 1,1,2-Trichloroethane	11.018	97	34115	22.993	ug/l	97
51) Ethyl methacrylate	10.871	69	51892	20.471	ug/l	84
52) 1,3-Dichloropropane	11.165	76	60423	22.550	ug/l	98
53) Dibromochloromethane	11.359	129	40337	22.665	ug/l	99
54) 1,2-Dibromoethane	11.470	107	34120	22.229	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	117117	115.931	ug/l	98
56) Bromoform	12.576	173	25185	22.275	ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	250454	121.571	ug/l #	89
59) 2-Hexanone	11.194	43	181723	116.738	ug/l	88
61) Tetrachloroethene	11.106	164	30047	21.852	ug/l #	83
62) Toluene	10.629	91	152693	20.446	ug/l	99
64) Chlorobenzene	11.888	112	92905	20.093	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	33789	20.978	ug/l	97
66) Ethyl Benzene	11.965	91	158146	18.622	ug/l	97
67) m/p-Xylenes	12.070	106	121915	39.019	ug/l	97
68) o-Xylene	12.394	106	59207	19.579	ug/l	100
69) Styrene	12.412	104	100752	19.719	ug/l	99
70) Isopropylbenzene	12.694	105	148733	18.638	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	50052	22.964	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	41900m	21.926	ug/l	
73) Bromobenzene	12.976	156	36838	20.097	ug/l	90
74) n-propylbenzene	13.035	91	178401	19.097	ug/l	99
75) 2-Chlorotoluene	13.123	91	112341	19.268	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	128037	19.207	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	15786	19.543	ug/l	94
78) 4-Chlorotoluene	13.223	91	116055	19.628	ug/l	100
79) tert-butylbenzene	13.441	119	106326	18.240	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	130732	19.407	ug/l	98
81) sec-Butylbenzene	13.617	105	148145	18.604	ug/l	100
82) p-Isopropyltoluene	13.729	119	119263	17.801	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	67262	19.066	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	65567	18.590	ug/l	98
85) n-Butylbenzene	14.053	91	97711	16.527	ug/l	99
86) Hexachloroethane	14.335	117	24270	19.116	ug/l	91
87) 1,2-Dichlorobenzene	14.106	146	66644	19.465	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9740	20.334	ug/l	90
89) 1,2,4-Trichlorobenzene	15.841	180	29843	15.910	ug/l	99
90) Hexachlorobutadiene	15.500	225	13652	17.585	ug/l	99
91) Naphthalene	15.641	128	92963	15.160	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	29843	15.910	ug/l	99

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

