Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121924\
Data File : VN085264.D
Acq On : 19 Dec 2024 12:32
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 19 17:11:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.818	128	29761	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	146639	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	141633	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	82648	34.999	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 116.667%#				
60) 4-Bromofluorobenzene	12.847	95	71564	30.538	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.800%				
63) Toluene-d8	10.565	98	213043	32.067	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 106.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	55099	23.141	ug/l		93
3) Chloromethane	2.353	50	45745	21.706	ug/l		95
4) Vinyl Chloride	2.512	62	44162	20.487	ug/l		98
5) Bromomethane	2.965	94	25388	18.551	ug/l		90
6) Chloroethane	3.124	64	27764	20.964	ug/l		98
7) Trichlorofluoromethane	3.495	101	71158	20.167	ug/l		96
8) Diethyl Ether	3.959	74	22668	20.282	ug/l		95
9) 1,1,2-Trichlorotrifluo...	4.371	101	39790	20.165	ug/l		93
10) 1,1-Dichloroethene	4.336	96	34311	18.931	ug/l	#	82
11) Methyl Iodide	4.589	142	39820	15.841	ug/l		97
12) Methyl Acetate	5.024	43	53177	24.870	ug/l		98
13) Acrolein	4.177	56	24213	77.924	ug/l		99
14) Acrylonitrile	5.712	53	96501	108.692	ug/l		93
15) Acetone	4.430	58	26177	108.801	ug/l		88
16) Carbon Disulfide	4.712	76	109465	20.206	ug/l		100
17) Allyl chloride	5.024	41	55616	21.445	ug/l		86
18) Methylene Chloride	5.277	84	42077	20.460	ug/l		89
19) trans-1,2-Dichloroethene	5.788	96	37901	20.119	ug/l		88
20) Diisopropyl ether	6.671	45	131665	23.134	ug/l		96
21) 1,1-Dichloroethane	6.571	63	78113	22.236	ug/l		98
22) cis-1,2-Dichloroethene	7.482	96	42433	19.597	ug/l		88
23) tert-Butyl Alcohol	5.518	59	30721	96.455	ug/l	#	100
24) Methyl tert-Butyl Ether	5.800	73	116819	20.630	ug/l		97
25) Chloroform	7.965	83	83020	22.559	ug/l		99
26) Cyclohexane	8.253	56	60949	21.072	ug/l	#	84
29) 1,1-Dichloropropene	8.365	75	55645	23.516	ug/l		97
30) 2-Butanone	7.482	43	136300	125.522	ug/l	#	94
31) 2,2-Dichloropropane	7.488	77	70002	23.070	ug/l	#	100
32) 1,1,1-Trichloroethane	8.165	97	74891	23.383	ug/l		96
33) Carbon Tetrachloride	8.365	117	63099m	21.833	ug/l		
34) Benzene	8.600	78	172370	23.189	ug/l	#	93
35) Methacrylonitrile	7.771	41	31655	25.905	ug/l		87
36) 1,2-Dichloroethane	8.665	62	64489	25.485	ug/l		97
37) Trichloroethene	9.347	130	37013	20.910	ug/l		94
38) Methylcyclohexane	9.600	83	51766	20.120	ug/l		94
39) 1,2-Dichloropropane	9.618	63	43376	24.092	ug/l	#	89
40) Dibromomethane	9.706	93	30262	23.432	ug/l		96
41) Bromodichloromethane	9.888	83	64803	23.472	ug/l		92
42) Vinyl Acetate	6.600	43	485547	127.786	ug/l		95

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Manual Integrations APPROVED

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.559	43	60328	27.923 ug/l #	91
44) Isopropyl Acetate	8.682	43	95459	25.424 ug/l	96
45) 1,4-Dioxane	9.694	88	14477	462.379 ug/l #	87
46) Methyl methacrylate	9.676	41	44288	25.774 ug/l	89
47) n-amyl Acetate	12.494	43	80123	25.363 ug/l	94
48) t-1,3-Dichloropropene	10.835	75	61110	22.548 ug/l	96
49) cis-1,3-Dichloropropene	10.312	75	66071	22.394 ug/l #	88
50) 1,1,2-Trichloroethane	11.018	97	39721	22.824 ug/l	98
51) Ethyl methacrylate	10.871	69	54914	20.746 ug/l	85
52) 1,3-Dichloropropane	11.159	76	68983	23.685 ug/l	99
53) Dibromochloromethane	11.359	129	46898	22.114 ug/l	99
54) 1,2-Dibromoethane	11.470	107	38560	21.991 ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	146524	119.165 ug/l	97
56) Bromoform	12.576	173	29827	20.976 ug/l	97
58) 4-Methyl-2-Pentanone	10.441	43	297913	128.883 ug/l	94
59) 2-Hexanone	11.194	43	216854	123.815 ug/l	93
61) Tetrachloroethene	11.106	164	33618	19.600 ug/l	95
62) Toluene	10.629	91	184129	22.292 ug/l	97
64) Chlorobenzene	11.888	112	104336	20.459 ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	40284	21.160 ug/l	98
66) Ethyl Benzene	11.965	91	181447	20.701 ug/l	97
67) m/p-Xylenes	12.070	106	144760	42.940 ug/l	98
68) o-Xylene	12.400	106	64980	20.524 ug/l	99
69) Styrene	12.412	104	113442	21.116 ug/l	98
70) Isopropylbenzene	12.694	105	166140	20.346 ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	57491	23.131 ug/l	93
72) 1,2,3-Trichloropropane	12.994	75	54960m	22.385 ug/l	
73) Bromobenzene	12.976	156	43003	21.024 ug/l	94
74) n-propylbenzene	13.035	91	209519	21.342 ug/l	99
75) 2-Chlorotoluene	13.123	91	129892	21.399 ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	149228	21.330 ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	19244	21.570 ug/l	80
78) 4-Chlorotoluene	13.217	91	132041	21.432 ug/l	98
79) tert-butylbenzene	13.435	119	112233	19.531 ug/l	94
80) 1,2,4-Trimethylbenzene	13.482	105	147396	21.329 ug/l	99
81) sec-Butylbenzene	13.612	105	169513	20.764 ug/l	100
82) p-Isopropyltoluene	13.729	119	141319	20.880 ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	80135	21.354 ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	74733	20.434 ug/l	98
85) n-Butylbenzene	14.053	91	116112	20.452 ug/l	96
86) Hexachloroethane	14.329	117	30766	22.834 ug/l	96
87) 1,2-Dichlorobenzene	14.106	146	76472	21.589 ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11809	23.783 ug/l	84
89) 1,2,4-Trichlorobenzene	15.835	180	32643	18.817 ug/l	96
90) Hexachlorobutadiene	15.500	225	17488	19.400 ug/l	95
91) Naphthalene	15.641	128	97631	18.115 ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	32643	18.817 ug/l	96

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

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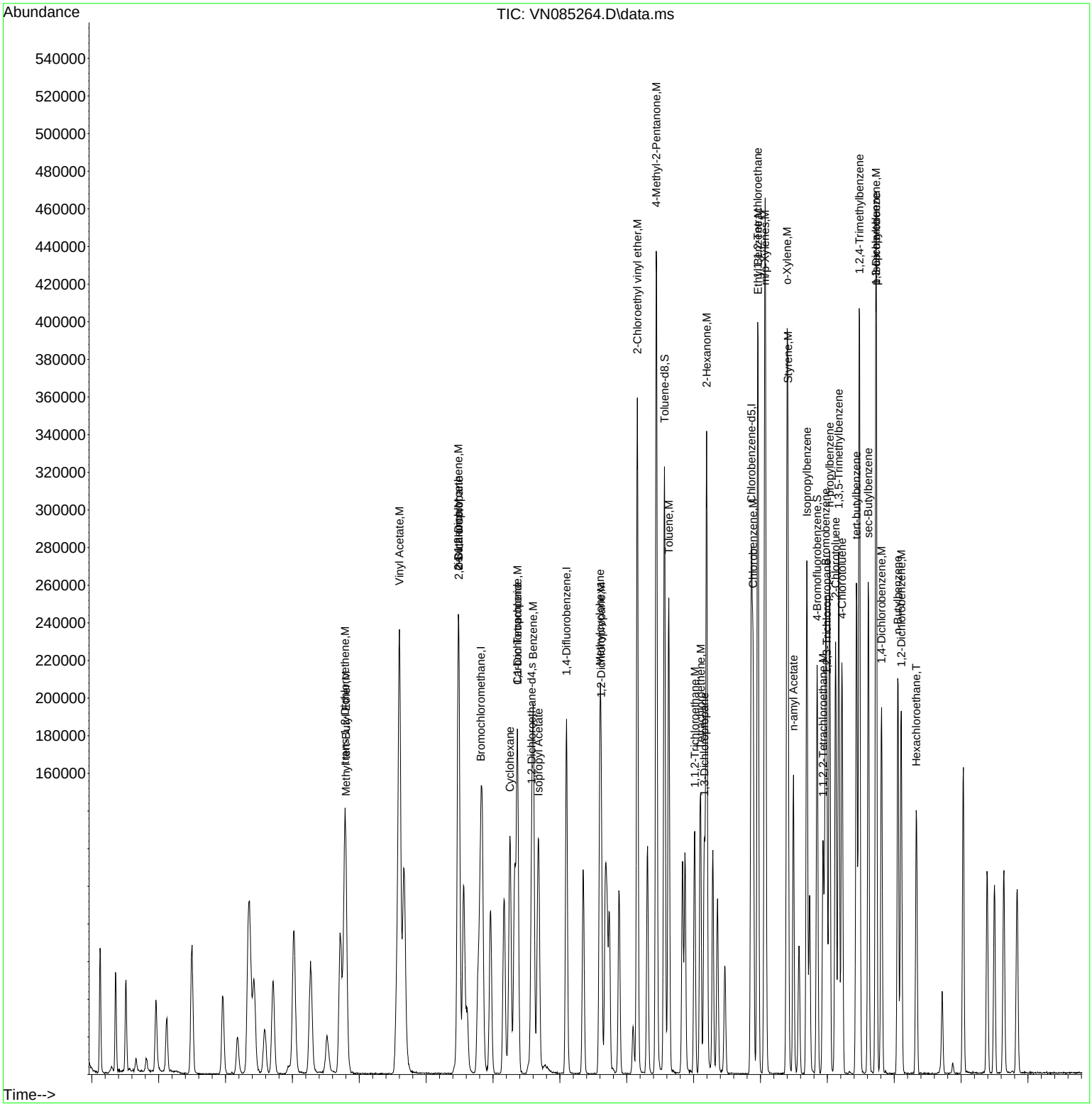
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