Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102324\
Data File : VN084474.D
Acq On : 23 Oct 2024 16:10
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 24 04:21:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/24/2024
Supervised By :Mahesh Dadoda 10/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.365	128	37165m	30.000	ug/l	-0.45
28) 1,4-Difluorobenzene	8.865	114	194783	30.000	ug/l	-0.24
57) Chlorobenzene-d5	11.812	117	184301	30.000	ug/l	-0.05
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.259	65	90017	30.085	ug/l	-0.32
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.267%			
60) 4-Bromofluorobenzene	12.823	95	93987	30.899	ug/l	-0.02
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.000%			
63) Toluene-d8	10.447	98	260755	30.540	ug/l	-0.12
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.800%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.136	62	1300	0.513	ug/l #	1
7) Trichlorofluoromethane	3.377	101	47601	11.541	ug/l	97
12) Methyl Acetate	4.883	43	29473m	10.174	ug/l	
15) Acetone	4.547	58	291	0.783	ug/l #	1
16) Carbon Disulfide	4.036	76	18623	2.703	ug/l #	41
17) Allyl chloride	4.894	41	36540	9.741	ug/l #	65
21) 1,1-Dichloroethane	5.836	63	91887	19.855	ug/l	98
22) cis-1,2-Dichloroethene	6.965	96	57200	20.071	ug/l	99
23) tert-Butyl Alcohol	4.912	59	206	0.413	ug/l #	100
25) Chloroform	7.559	83	99578	21.245	ug/l	98
26) Cyclohexane	7.883	56	69973	18.078	ug/l #	95
29) 1,1-Dichloropropene	8.024	75	64218	20.084	ug/l	98
31) 2,2-Dichloropropane	7.877	77	1249	0.332	ug/l #	1
32) 1,1,1-Trichloroethane	7.782	97	90069	22.038	ug/l	99
33) Carbon Tetrachloride	8.006	117	76315	21.553	ug/l	96
34) Benzene	8.288	78	214863	21.467	ug/l	98
35) Methacrylonitrile	7.335	41	26357	14.512	ug/l	98
36) 1,2-Dichloroethane	8.371	62	73422	22.007	ug/l	100
37) Trichloroethene	9.129	130	48293	20.953	ug/l	91
38) Methylcyclohexane	9.406	83	67499	19.218	ug/l	97
39) 1,2-Dichloropropane	9.429	63	54187	22.200	ug/l	97
40) Dibromomethane	9.524	93	37131	21.766	ug/l	96
41) Bromodichloromethane	9.724	83	78917	21.792	ug/l	91
45) 1,4-Dioxane	9.559	88	176	3.553	ug/l #	1
46) Methyl methacrylate	9.512	41	50921	19.178	ug/l	98
47) n-amyl Acetate	12.470	43	95415	19.520	ug/l	97
48) t-1,3-Dichloropropene	10.747	75	75450	20.162	ug/l	99
49) cis-1,3-Dichloropropene	10.182	75	83250	21.227	ug/l	97
50) 1,1,2-Trichloroethane	10.935	97	49875	21.752	ug/l	98
51) Ethyl methacrylate	10.788	69	73122	19.307	ug/l	97
52) 1,3-Dichloropropane	11.082	76	85270	21.268	ug/l	99
53) Dibromochloromethane	11.288	129	59062	21.805	ug/l	99
54) 1,2-Dibromoethane	11.400	107	49571	21.003	ug/l	98
55) 2-Chloroethyl vinyl ether	10.029	63	165368	96.270	ug/l	99
56) Bromoform	12.547	173	37218	20.717	ug/l	99
58) 4-Methyl-2-Pentanone	10.329	43	324774	94.597	ug/l	100
59) 2-Hexanone	11.123	43	248303	97.329	ug/l	99
61) Tetrachloroethene	11.018	164	42430	20.353	ug/l	96
62) Toluene	10.518	91	227045	21.043	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) Chlorobenzene	11.835	112	142297	21.194	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.912	131	51030	21.878	ug/l	98
66) Ethyl Benzene	11.918	91	241701	20.619	ug/l	100
67) m/p-Xylenes	12.029	106	189279	42.565	ug/l	98
68) o-Xylene	12.365	106	88188	20.575	ug/l	99
69) Styrene	12.376	104	154850	21.045	ug/l	99
70) Isopropylbenzene	12.670	105	228943	20.923	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.917	83	71143	21.017	ug/l	100
72) 1,2,3-Trichloropropane	12.970	75	62263m	21.477	ug/l	
73) Bromobenzene	12.953	156	57632	21.748	ug/l	94
74) n-propylbenzene	13.012	91	278325	21.345	ug/l	99
75) 2-Chlorotoluene	13.106	91	172991	21.350	ug/l	98
76) 1,3,5-Trimethylbenzene	13.153	105	199413	21.644	ug/l	100
77) t-1,4-Dichloro-2-butene	12.712	75	18474	14.913	ug/l	86
78) 4-Chlorotoluene	13.200	91	173928	21.113	ug/l	98
79) tert-butylbenzene	13.423	119	162943	20.730	ug/l	99
80) 1,2,4-Trimethylbenzene	13.470	105	203963	21.818	ug/l	100
81) sec-Butylbenzene	13.606	105	234779	21.695	ug/l	99
82) p-Isopropyltoluene	13.717	119	195523	21.466	ug/l	99
83) 1,3-Dichlorobenzene	13.717	146	105852	21.482	ug/l	99
84) 1,4-Dichlorobenzene	13.800	146	103105	21.072	ug/l	97
85) n-Butylbenzene	14.047	91	164870	20.899	ug/l	99
86) Hexachloroethane	14.323	117	36599	20.856	ug/l	99
87) 1,2-Dichlorobenzene	14.094	146	101993	21.409	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.711	75	12477	18.024	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	48003	19.379	ug/l	99
90) Hexachlorobutadiene	15.494	225	23851	20.814	ug/l	97
91) Naphthalene	15.635	128	139454	16.614	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	48003	19.379	ug/l	99

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

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