Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100521\
Data File : VN068809.D
Acq On : 5 Oct 2021 17:51
Operator : JC/MD
Sample : VN1005WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

Manual Integrations APPROVED
MMDadoda
10/6/2021 7:02:47 PM

Quant Time: Oct 06 01:35:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 29 08:56:32 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.662	128	60697	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.968	114	340186	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.747	117	314998	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.440	65	148446	31.73	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 105.77%				
60) 4-Bromofluorobenzene	12.734	95	140473	28.55	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.17%				
63) Toluene-d8	10.443	98	451570	31.72	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 105.73%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.073	85	51194	19.02	ug/l		92
3) Chloromethane	2.303	50	70516	20.47	ug/l		98
4) Vinyl Chloride	2.446	62	134837	20.08	ug/l		98
5) Bromomethane	2.859	94	138237	21.21	ug/l		99
6) Chloroethane	3.022	64	120472	22.07	ug/l		99
7) Trichlorofluoromethane	3.376	101	117974	21.06	ug/l		100
8) Diethyl Ether	3.832	74	40525	21.12	ug/l		95
9) 1,1,2-Trichlorotrifluo...	4.213	101	67045	20.67	ug/l		54
10) 1,1-Dichloroethene	4.194	96	59861	20.00	ug/l		98
11) Methyl Iodide	4.428	142	80110	22.19	ug/l		98
12) Methyl Acetate	4.857	43	103559	20.03	ug/l		98
13) Acrolein	4.047	56	14304	65.92	ug/l		92
14) Acrylonitrile	5.557	53	162548	97.92	ug/l		99
15) Acetone	4.291	58	42113	91.58	ug/l		92
16) Carbon Disulfide	4.537	76	157150	19.39	ug/l	#	94
17) Allyl chloride	4.843	41	94202	19.81	ug/l		95
18) Methylene Chloride	5.103	84	78486	20.88	ug/l		98
19) trans-1,2-Dichloroethene	5.597	96	69635	19.68	ug/l		99
20) Diisopropyl ether	6.498	45	219513	19.85	ug/l		98
21) 1,1-Dichloroethane	6.391	63	133761	20.84	ug/l		98
22) cis-1,2-Dichloroethene	7.327	96	86770	20.16	ug/l		97
23) tert-Butyl Alcohol	5.364	59	59423	96.47	ug/l	#	100
24) Methyl tert-Butyl Ether	5.618	73	231859	19.72	ug/l		98
25) Chloroform	7.820	83	156114	20.63	ug/l		99
26) Cyclohexane	8.099	56	104790	18.75	ug/l	#	98
29) 1,1-Dichloropropene	8.220	75	105685	19.55	ug/l		98
30) 2-Butanone	7.335	43	227642	93.75	ug/l		98
31) 2,2-Dichloropropane	7.329	77	112389	18.09	ug/l		99
32) 1,1,1-Trichloroethane	8.016	97	139007	20.06	ug/l		97
33) Carbon Tetrachloride	8.209	117	122819	19.94	ug/l		95
34) Benzene	8.461	78	328499	20.48	ug/l		98
35) Methacrylonitrile	7.638	41	41759	17.16	ug/l		96
36) 1,2-Dichloroethane	8.528	62	124446	20.74	ug/l		100
37) Trichloroethene	9.218	130	85371	20.13	ug/l		97
38) Methylcyclohexane	9.462	83	119161	17.81	ug/l		98
39) 1,2-Dichloropropane	9.494	63	81950	20.63	ug/l		98
40) Dibromomethane	9.580	93	64678	20.63	ug/l		98
41) Bromodichloromethane	9.765	83	123889	20.16	ug/l		95
42) Vinyl Acetate	6.434	43	865865m	96.30	ug/l		

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.413	43	93278	19.22	ug/l	#	84
44) Isopropyl Acetate	8.563	43	166577	18.95	ug/l		98
45) 1,4-Dioxane	9.569	88	31730	445.78	ug/l		97
46) Methyl methacrylate	9.561	41	70978	18.25	ug/l		99
47) n-amyl Acetate	12.390	43	121496	16.32	ug/l		98
48) t-1,3-Dichloropropene	10.722	75	122949	18.41	ug/l		98
49) cis-1,3-Dichloropropene	10.191	75	131090	19.19	ug/l		97
50) 1,1,2-Trichloroethane	10.899	97	85115	19.59	ug/l		99
51) Ethyl methacrylate	10.762	69	116297	17.77	ug/l		98
52) 1,3-Dichloropropane	11.047	76	140300	19.95	ug/l		98
53) Dibromochloromethane	11.240	129	91658	18.57	ug/l		100
54) 1,2-Dibromoethane	11.344	107	86145	18.90	ug/l		96
55) 2-Chloroethyl vinyl ether	10.041	63	135074	73.92	ug/l		100
56) Bromoform	12.460	173	60374	16.96	ug/l	#	98
58) 4-Methyl-2-Pentanone	10.331	43	520489	97.89	ug/l		97
59) 2-Hexanone	11.087	43	360872	93.18	ug/l		98
61) Tetrachloroethene	10.980	164	74058	20.06	ug/l		97
62) Toluene	10.508	91	375186	19.92	ug/l		99
64) Chlorobenzene	11.771	112	227977	19.73	ug/l		100
65) 1,1,1,2-Tetrachloroethane	11.843	131	88652	19.78	ug/l		99
66) Ethyl Benzene	11.846	91	405377	19.10	ug/l		100
67) m/p-Xylenes	11.956	106	310479	37.89	ug/l		98
68) o-Xylene	12.283	106	151442	18.77	ug/l		100
69) Styrene	12.296	104	247136	18.56	ug/l		99
70) Isopropylbenzene	12.581	105	395668	18.50	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.830	83	121605	20.18	ug/l		97
72) 1,2,3-Trichloropropane	12.881	75	97989m	20.07	ug/l		
73) Bromobenzene	12.862	156	89560	18.50	ug/l		99
74) n-propylbenzene	12.924	91	459882	18.75	ug/l		100
75) 2-Chlorotoluene	13.010	91	272231	19.02	ug/l		99
76) 1,3,5-Trimethylbenzene	13.061	105	331730	18.78	ug/l		98
77) t-1,4-Dichloro-2-butene	12.629	75	30550	16.04	ug/l		96
78) 4-Chlorotoluene	13.109	91	264968	18.69	ug/l		99
79) tert-butylbenzene	13.326	119	280891	18.22	ug/l		100
80) 1,2,4-Trimethylbenzene	13.372	105	325650m	18.60	ug/l		
81) sec-Butylbenzene	13.503	105	396555	17.94	ug/l		98
82) p-Isopropyltoluene	13.619	119	323049	17.64	ug/l		100
83) 1,3-Dichlorobenzene	13.619	146	162683	18.11	ug/l		99
84) 1,4-Dichlorobenzene	13.696	146	154188	18.04	ug/l		97
85) n-Butylbenzene	13.946	91	264014	17.53	ug/l		98
86) Hexachloroethane	14.214	117	61561	17.86	ug/l		96
87) 1,2-Dichlorobenzene	13.991	146	158242	19.05	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.606	75	21086	19.56	ug/l		98
89) 1,2,4-Trichlorobenzene	15.265	180	67656	16.58	ug/l		98
90) Hexachlorobutadiene	15.373	225	40711	20.02	ug/l		97
91) Naphthalene	15.507	128	168975	14.67	ug/l		99
92) 1,2,3-Trichlorobenzene	15.703	180	66635	17.03	ug/l		99

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

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