Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011321\
Data File : VN065494.D
Acq On : 13 Jan 2021 18:19
Operator : JC/MD
Sample : VSTDICCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED
MMDadoda
1/15/2021 4:13:52 PM

Quant Time: Jan 14 03:56:08 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jan 14 03:54:03 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.155	128	41184	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.553	114	218727	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.379	117	200519	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.990	65	78796	27.10	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 90.33%#				
60) 4-Bromofluorobenzene	12.376	95	88315	28.03	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.43%				
63) Toluene-d8	10.061	98	265063	29.86	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.53%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.846	85	37162	16.96	ug/l		100
3) Chloromethane	2.055	50	46315	18.12	ug/l		100
4) Vinyl Chloride	2.180	62	49767	18.48	ug/l		100
5) Bromomethane	2.534	94	37244	18.93	ug/l		100
6) Chloroethane	2.682	64	32740	18.86	ug/l		100
7) Trichlorofluoromethane	2.997	101	68145	17.63	ug/l		100
8) Diethyl Ether	3.386	74	28150	19.49	ug/l		100
9) 1,1,2-Trichlorotrifluo...	3.724	101	41119	18.99	ug/l		100
10) 1,1-Dichloroethene	3.701	96	41234	18.73	ug/l		100
11) Methyl Iodide	3.913	142	64724	19.44	ug/l		100
12) Methyl Acetate	4.293	43	41629	18.22	ug/l		100
13) Acrolein	3.579	56	33743	102.99	ug/l		100
14) Acrylonitrile	4.949	53	93653	88.49	ug/l		100
15) Acetone	3.791	58	29334	90.48	ug/l		100
16) Carbon Disulfide	4.007	76	96851	15.72	ug/l		100
17) Allyl chloride	4.280	41	57008	15.26	ug/l		100
18) Methylene Chloride	4.508	84	45353	18.04	ug/l		100
19) trans-1,2-Dichloroethene	4.994	96	41366	17.34	ug/l		100
20) Diisopropyl ether	5.917	45	123195	16.25	ug/l		100
21) 1,1-Dichloroethane	5.804	63	73728	17.13	ug/l		100
22) cis-1,2-Dichloroethene	6.788	96	47191	17.25	ug/l		100
23) tert-Butyl Alcohol	4.782	59	29234	67.90	ug/l	#	100
24) Methyl tert-Butyl Ether	5.010	73	119525	16.03	ug/l		100
25) Chloroform	7.331	83	75436	17.03	ug/l		100
26) Cyclohexane	7.611	56	59583	15.95	ug/l	#	100
29) 1,1-Dichloropropene	7.756	75	54704	17.11	ug/l		100
30) 2-Butanone	6.804	43	117096	81.93	ug/l		100
31) 2,2-Dichloropropane	6.778	77	57565	15.09	ug/l		100
32) 1,1,1-Trichloroethane	7.531	97	63413	16.57	ug/l		100
33) Carbon Tetrachloride	7.736	117	54754	16.30	ug/l		100
34) Benzene	8.003	78	171848	18.01	ug/l		100
35) Methacrylonitrile	7.138	41	24958	18.45	ug/l		100
36) 1,2-Dichloroethane	8.090	62	58894	16.91	ug/l		100
37) Trichloroethene	8.801	130	50720	18.48	ug/l		100
38) Methylcyclohexane	9.045	83	62310	16.11	ug/l		100
39) 1,2-Dichloropropane	9.087	63	45176	18.15	ug/l		100
40) Dibromomethane	9.177	93	30293	18.06	ug/l		100
41) Bromodichloromethane	9.373	83	57132	16.31	ug/l		100
42) Vinyl Acetate	5.856	43	494089	79.53	ug/l		100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.897	43	47647	16.76	ug/l	100
44) Isopropyl Acetate	8.132	43	81461	15.39	ug/l	100
45) 1,4-Dioxane	9.174	88	11567	290.58	ug/l	100
46) Methyl methacrylate	9.171	41	39185	15.55	ug/l	100
47) n-amyl Acetate	12.045	43	65595	14.77	ug/l	100
48) t-1,3-Dichloropropene	10.354	75	60427	15.47	ug/l	100
49) cis-1,3-Dichloropropene	9.807	75	68936	16.52	ug/l	100
50) 1,1,2-Trichloroethane	10.534	97	43988	18.52	ug/l	100
51) Ethyl methacrylate	10.402	69	59526	16.36	ug/l	100
52) 1,3-Dichloropropane	10.678	76	72359	18.27	ug/l	100
53) Dibromochloromethane	10.875	129	46234	16.60	ug/l	100
54) 1,2-Dibromoethane	10.977	107	45934	18.07	ug/l	100
55) 2-Chloroethyl vinyl ether	9.666	63	131553	72.75	ug/l	100
56) Bromoform	12.100	173	34905	16.21	ug/l	100
58) 4-Methyl-2-Pentanone	9.955	43	250194	83.11	ug/l	100
59) 2-Hexanone	10.724	43	177259	80.54	ug/l	100
61) Tetrachloroethene	10.601	164	59355	19.55	ug/l	100
62) Toluene	10.125	91	189423	17.82	ug/l	100
64) Chlorobenzene	11.405	112	121838	18.41	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.479	131	46150	17.77	ug/l	100
66) Ethyl Benzene	11.482	91	202959	17.20	ug/l	100
67) m/p-Xylenes	11.595	106	159069	35.53	ug/l	100
68) o-Xylene	11.920	106	76699	17.71	ug/l	100
69) Styrene	11.939	104	126682	17.41	ug/l	100
70) Isopropylbenzene	12.222	105	200980	17.45	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.479	83	57737	18.26	ug/l	100
72) 1,2,3-Trichloropropane	12.527	75	54577m	17.42	ug/l	
73) Bromobenzene	12.498	156	57310	18.74	ug/l	100
74) n-propylbenzene	12.566	91	223800	17.12	ug/l	100
75) 2-Chlorotoluene	12.646	91	136499	17.55	ug/l	100
76) 1,3,5-Trimethylbenzene	12.707	105	172299	17.51	ug/l	100
77) t-1,4-Dichloro-2-butene	12.273	75	17700	14.61	ug/l	100
78) 4-Chlorotoluene	12.746	91	136427	17.29	ug/l	100
79) tert-butylbenzene	12.968	119	146516	17.50	ug/l	100
80) 1,2,4-Trimethylbenzene	13.013	105	171631	17.60	ug/l	100
81) sec-Butylbenzene	13.145	105	189831	17.24	ug/l	100
82) p-Isopropyltoluene	13.264	119	174272	17.16	ug/l	100
83) 1,3-Dichlorobenzene	13.257	146	92490	18.25	ug/l	100
84) 1,4-Dichlorobenzene	13.338	146	87309	17.46	ug/l	100
85) n-Butylbenzene	13.588	91	133432	15.64	ug/l	100
86) Hexachloroethane	13.846	117	27734	15.32	ug/l	100
87) 1,2-Dichlorobenzene	13.627	146	92208	18.74	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.244	75	9654	15.11	ug/l	100
89) 1,2,4-Trichlorobenzene	14.881	180	39705	15.44	ug/l	97
90) Hexachlorobutadiene	14.981	225	32708	18.84	ug/l	100
91) Naphthalene	15.106	128	92945	13.76	ug/l	100
92) 1,2,3-Trichlorobenzene	15.283	180	40845	16.69	ug/l	100

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

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