Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010621\
Data File : VN065413.D
Acq On : 6 Jan 2021 20:35
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations APPROVED
MMDadoda
1/7/2021 4:32:25 PM

Quant Time: Jan 07 01:18:37 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122120W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Dec 21 13:17:58 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.158	128	53368	30.00	ug/l		0.01
28) 1,4-Difluorobenzene	8.553	114	289600	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.379	117	264329	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.990	65	106308	27.45	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 91.50%				
60) 4-Bromofluorobenzene	12.376	95	118994	28.30	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.33%				
63) Toluene-d8	10.061	98	347562	29.65	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.83%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.849	85	49175	17.43	ug/l		96
3) Chloromethane	2.055	50	63561	19.21	ug/l		99
4) Vinyl Chloride	2.180	62	67342	19.36	ug/l		100
5) Bromomethane	2.547	94	50486	20.11	ug/l		96
6) Chloroethane	2.688	64	44323	19.94	ug/l		99
7) Trichlorofluoromethane	3.004	101	89622	17.75	ug/l		97
8) Diethyl Ether	3.389	74	37117	20.16	ug/l		81
9) 1,1,2-Trichlorotrifluo...	3.727	101	51367	18.32	ug/l	#	44
10) 1,1-Dichloroethene	3.704	96	53844	18.94	ug/l		85
11) Methyl Iodide	3.917	142	79631	18.89	ug/l		85
12) Methyl Acetate	4.296	43	57113	19.37	ug/l		92
13) Acrolein	3.579	56	47785	118.79	ug/l		100
14) Acrylonitrile	4.949	53	126856	92.09	ug/l		99
15) Acetone	3.791	58	37336	85.59	ug/l	#	66
16) Carbon Disulfide	4.013	76	136947	16.68	ug/l		99
17) Allyl chloride	4.283	41	81154	16.16	ug/l		89
18) Methylene Chloride	4.515	84	61280	18.82	ug/l		91
19) trans-1,2-Dichloroethene	4.997	96	56123	17.97	ug/l		92
20) Diisopropyl ether	5.917	45	175461	17.43	ug/l		94
21) 1,1-Dichloroethane	5.804	63	101492	17.96	ug/l		96
22) cis-1,2-Dichloroethene	6.788	96	66587	18.55	ug/l	#	81
23) tert-Butyl Alcohol	4.778	59	45093m	77.16	ug/l		
24) Methyl tert-Butyl Ether	5.010	73	166424	16.76	ug/l	#	82
25) Chloroform	7.335	83	103796	17.80	ug/l		96
26) Cyclohexane	7.614	56	83423	16.71	ug/l	#	95
29) 1,1-Dichloropropene	7.756	75	76618	17.91	ug/l		95
30) 2-Butanone	6.804	43	163474	83.80	ug/l	#	75
31) 2,2-Dichloropropane	6.782	77	76365	14.56	ug/l		95
32) 1,1,1-Trichloroethane	7.531	97	87887	17.06	ug/l		95
33) Carbon Tetrachloride	7.736	117	74566	16.45	ug/l		99
34) Benzene	8.003	78	239466	18.99	ug/l		97
35) Methacrylonitrile	7.132	41	33443	18.57	ug/l		89
36) 1,2-Dichloroethane	8.090	62	79629	17.05	ug/l	#	92
37) Trichloroethene	8.804	130	68469	18.96	ug/l		86
38) Methylcyclohexane	9.048	83	85551	16.30	ug/l		91
39) 1,2-Dichloropropane	9.087	63	61642	18.72	ug/l		100
40) Dibromomethane	9.177	93	41332	18.63	ug/l		81
41) Bromodichloromethane	9.370	83	79891	16.93	ug/l		100
42) Vinyl Acetate	5.856	43	715916	84.75	ug/l		96

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Quant Time: Jan 07 01:18:37 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122120W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Dec 21 13:17:58 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	6.897	43	70462	18.39	ug/l		97
44) Isopropyl Acetate	8.132	43	117950	16.33	ug/l	#	91
45) 1,4-Dioxane	9.170	88	20546	376.53	ug/l	#	90
46) Methyl methacrylate	9.170	41	55256	16.12	ug/l		82
47) n-amyl Acetate	12.045	43	95421	15.74	ug/l		96
48) t-1,3-Dichloropropene	10.354	75	86597	16.32	ug/l		99
49) cis-1,3-Dichloropropene	9.807	75	95021	16.95	ug/l	#	87
50) 1,1,2-Trichloroethane	10.534	97	59433	19.02	ug/l		96
51) Ethyl methacrylate	10.402	69	84259	17.26	ug/l		84
52) 1,3-Dichloropropane	10.678	76	97999	18.80	ug/l		100
53) Dibromochloromethane	10.875	129	62956	16.86	ug/l		100
54) 1,2-Dibromoethane	10.977	107	62049	18.55	ug/l		98
55) 2-Chloroethyl vinyl ether	9.666	63	178683	73.94	ug/l		97
56) Bromoform	12.100	173	47295	16.37	ug/l	#	96
58) 4-Methyl-2-Pentanone	9.955	43	346545	85.79	ug/l	#	93
59) 2-Hexanone	10.723	43	248989	83.66	ug/l		90
61) Tetrachloroethene	10.601	164	77243	19.48	ug/l	#	87
62) Toluene	10.125	91	261007	18.58	ug/l		99
64) Chlorobenzene	11.405	112	163881	18.91	ug/l		100
65) 1,1,1,2-Tetrachloroethane	11.479	131	60594	17.67	ug/l		98
66) Ethyl Benzene	11.482	91	279886	17.85	ug/l		97
67) m/p-Xylenes	11.592	106	214479	36.23	ug/l		94
68) o-Xylene	11.920	106	104220	18.23	ug/l		96
69) Styrene	11.936	104	173263	18.04	ug/l		94
70) Isopropylbenzene	12.222	105	275028	18.02	ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.476	83	77625	18.78	ug/l		97
72) 1,2,3-Trichloropropane	12.527	75	75851m	18.03	ug/l		
73) Bromobenzene	12.498	156	75891	19.08	ug/l		74
74) n-propylbenzene	12.563	91	306017	17.66	ug/l		95
75) 2-Chlorotoluene	12.646	91	185385	18.08	ug/l		91
76) 1,3,5-Trimethylbenzene	12.704	105	231101	17.75	ug/l		93
77) t-1,4-Dichloro-2-butene	12.273	75	23934	14.48	ug/l		96
78) 4-Chlorotoluene	12.746	91	183644	17.67	ug/l		91
79) tert-butylbenzene	12.968	119	198186	17.85	ug/l		90
80) 1,2,4-Trimethylbenzene	13.013	105	229940	17.85	ug/l		97
81) sec-Butylbenzene	13.145	105	255001	17.50	ug/l		96
82) p-Isopropyltoluene	13.264	119	230544	17.13	ug/l		96
83) 1,3-Dichlorobenzene	13.257	146	121537	18.44	ug/l		95
84) 1,4-Dichlorobenzene	13.338	146	120200	18.30	ug/l		94
85) n-Butylbenzene	13.588	91	184504	16.01	ug/l		96
86) Hexachloroethane	13.849	117	37439	15.33	ug/l		65
87) 1,2-Dichlorobenzene	13.627	146	121449	19.02	ug/l		95
88) 1,2-Dibromo-3-Chloropr...	14.244	75	14273	16.52	ug/l	#	65
89) 1,2,4-Trichlorobenzene	14.881	180	60376m	17.62	ug/l		
90) Hexachlorobutadiene	14.981	225	41321	18.21	ug/l		98
91) Naphthalene	15.103	128	157495	17.19	ug/l		100
92) 1,2,3-Trichlorobenzene	15.283	180	61893	19.23	ug/l		97

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

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