Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031221\
Data File : VX021179.D
Acq On : 12 Mar 2021 13:21
Operator : JC/MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 13 01:05:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X031221W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 12 12:55:27 2021
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031221

Manual Integrations APPROVED
MMDadoda
3/15/2021 3:18:48 PM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	4.976	128	16010	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.829	114	89598	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.094	117	79344	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.029	65	43598	29.59	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.63%				
60) 4-Bromofluorobenzene	11.118	95	42135	29.04	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.80%				
63) Toluene-d8	8.694	98	109141	30.32	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.07%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.187	85	19761	18.80	ug/l		98
3) Chloromethane	1.316	50	20082	18.36	ug/l		97
4) Vinyl Chloride	1.393	62	20128	18.42	ug/l		99
5) Bromomethane	1.628	94	13806	21.28	ug/l		98
6) Chloroethane	1.711	64	12085	17.91	ug/l		96
7) Trichlorofluoromethane	1.917	101	32007	18.78	ug/l		98
8) Diethyl Ether	2.170	74	11060	19.26	ug/l		79
9) 1,1,2-Trichlorotrifluo...	2.364	101	18220	19.85	ug/l		93
10) 1,1-Dichloroethene	2.358	96	17616	19.85	ug/l		92
11) Methyl Iodide	2.493	142	19282	16.42	ug/l		95
12) Methyl Acetate	2.746	43	28103	18.76	ug/l	#	88
13) Acrolein	2.270	56	15115	79.70	ug/l		98
14) Acrylonitrile	3.111	53	52030	92.39	ug/l		98
15) Acetone	2.417	58	14168	93.96	ug/l	#	67
16) Carbon Disulfide	2.552	76	51084	19.61	ug/l		99
17) Allyl chloride	2.705	41	35530	18.85	ug/l		88
18) Methylene Chloride	2.834	84	20266	18.81	ug/l	#	87
19) trans-1,2-Dichloroethene	3.140	96	19189	19.48	ug/l		87
20) Diisopropyl ether	3.823	45	69882	19.04	ug/l		95
21) 1,1-Dichloroethane	3.670	63	36972	18.89	ug/l		95
22) cis-1,2-Dichloroethene	4.558	96	22372	19.54	ug/l		90
23) tert-Butyl Alcohol	3.011	59	21282	85.08	ug/l	#	100
24) Methyl tert-Butyl Ether	3.164	73	64677	19.09	ug/l	#	85
25) Chloroform	5.170	83	38737	18.99	ug/l		97
26) Cyclohexane	5.546	56	33624	19.35	ug/l	#	90
29) 1,1-Dichloropropene	5.764	75	28766	19.26	ug/l		97
30) 2-Butanone	4.629	43	74991	89.84	ug/l		91
31) 2,2-Dichloropropane	4.546	77	31747	18.93	ug/l		97
32) 1,1,1-Trichloroethane	5.464	97	34269	18.81	ug/l		94
33) Carbon Tetrachloride	5.752	117	30105	18.84	ug/l		97
34) Benzene	6.111	78	79753	18.64	ug/l		97
35) Methacrylonitrile	4.999	41	17067	17.99	ug/l		91
36) 1,2-Dichloroethane	6.158	62	34417	18.63	ug/l	#	93
37) Trichloroethene	7.182	130	21008	18.73	ug/l		93
38) Methylcyclohexane	7.435	83	32705	19.38	ug/l		91
39) 1,2-Dichloropropane	7.488	63	21352	18.40	ug/l		99
40) Dibromomethane	7.635	93	15348	18.67	ug/l		90
41) Bromodichloromethane	7.870	83	31624	18.40	ug/l		98
42) Vinyl Acetate	3.782	43	292197	92.52	ug/l	#	92

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031221\
Data File : VX021179.D
Acq On : 12 Mar 2021 13:21
Operator : JC/MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 13 01:05:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X031221W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 12 12:55:27 2021
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031221

Manual Integrations APPROVED
MMDadoda
3/15/2021 3:18:48 PM

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	4.788	43	29781	17.88 ug/l	100
44) Isopropyl Acetate	6.405	43	50965	18.38 ug/l	91
45) 1,4-Dioxane	7.711	88	8997	347.96 ug/l #	81
46) Methyl methacrylate	7.741	41	27114	18.23 ug/l	82
47) n-amyl Acetate	10.877	43	41931	17.32 ug/l	93
48) t-1,3-Dichloropropene	9.017	75	32133	18.19 ug/l	97
49) cis-1,3-Dichloropropene	8.412	75	35047	18.63 ug/l #	85
50) 1,1,2-Trichloroethane	9.194	97	20005	18.21 ug/l	96
51) Ethyl methacrylate	9.159	69	31358m	18.00 ug/l	
52) 1,3-Dichloropropane	9.347	76	35175	18.40 ug/l	99
53) Dibromochloromethane	9.559	129	22138	17.43 ug/l	97
54) 1,2-Dibromoethane	9.653	107	21154	18.20 ug/l	100
55) 2-Chloroethyl vinyl ether	8.288	63	83701	91.36 ug/l	96
56) Bromoform	10.841	173	14617	16.29 ug/l	97
58) 4-Methyl-2-Pentanone	8.617	43	151442	94.27 ug/l #	89
59) 2-Hexanone	9.470	43	111624	92.20 ug/l	88
61) Tetrachloroethene	9.318	164	20089	19.54 ug/l	94
62) Toluene	8.765	91	85758	19.50 ug/l	98
64) Chlorobenzene	10.118	112	50954	18.75 ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.200	131	19739	19.13 ug/l	100
66) Ethyl Benzene	10.235	91	97231	19.22 ug/l	100
67) m/p-Xylenes	10.341	106	67389	37.01 ug/l	91
68) o-Xylene	10.682	106	33510	19.01 ug/l	97
69) Styrene	10.694	104	55681	18.62 ug/l	93
70) Isopropylbenzene	11.000	105	91682	19.02 ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.247	83	27530	18.01 ug/l	99
72) 1,2,3-Trichloropropane	11.277	75	24801m	15.94 ug/l	
73) Bromobenzene	11.235	156	20696	18.11 ug/l	89
74) n-propylbenzene	11.341	91	108437	18.94 ug/l	97
75) 2-Chlorotoluene	11.400	91	63347	18.38 ug/l	98
76) 1,3,5-Trimethylbenzene	11.488	105	76519	18.66 ug/l	98
77) t-1,4-Dichloro-2-butene	11.059	75	8762	17.14 ug/l	86
78) 4-Chlorotoluene	11.494	91	74727	18.62 ug/l	97
79) tert-butylbenzene	11.753	119	69933	18.41 ug/l	91
80) 1,2,4-Trimethylbenzene	11.788	105	76718	18.63 ug/l	96
81) sec-Butylbenzene	11.930	105	86032	18.80 ug/l	98
82) p-Isopropyltoluene	12.047	119	78050	18.78 ug/l	95
83) 1,3-Dichlorobenzene	12.006	146	38191	18.68 ug/l	97
84) 1,4-Dichlorobenzene	12.083	146	37183	18.13 ug/l	98
85) n-Butylbenzene	12.371	91	70292	18.24 ug/l	96
86) Hexachloroethane	12.577	117	13556	17.67 ug/l	88
87) 1,2-Dichlorobenzene	12.377	146	36798	18.36 ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.983	75	6577	17.28 ug/l #	79
89) 1,2,4-Trichlorobenzene	13.630	180	22910	18.17 ug/l	97
90) Hexachlorobutadiene	13.765	225	10069	18.34 ug/l	97
91) Naphthalene	13.818	128	72624	17.82 ug/l	99
92) 1,2,3-Trichlorobenzene	14.000	180	22453	18.30 ug/l	97

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031221\
Data File : VX021179.D
Acq On : 12 Mar 2021 13:21
Operator : JC/MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 13 01:05:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X031221W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 12 12:55:27 2021
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031221

Manual Integrations APPROVED
MMDadoda
3/15/2021 3:18:48 PM