Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031819\
Data File : VX008165.D
Acq On : 18 Mar 2019 14:28
Operator : JC/SP
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ICVVX031819

Manual Integrations APPROVED
MMDadoda
3/19/2019 9:37:17 AM

Quant Time: Mar 19 03:09:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X031819W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Mar 18 14:34:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.02	128	53008	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.86	114	294831	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.11	117	259309	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.06	65	133488	30.27	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 100.90%				
60) 4-Bromofluorobenzene	11.13	95	132466	30.61	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 102.03%				
63) Toluene-d8	8.71	98	377522	29.96	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 99.87%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	46421	19.544	ug/l		100
3) Chloromethane	1.33	50	56393	18.836	ug/l		98
4) Vinyl Chloride	1.41	62	57426	18.600	ug/l		99
5) Bromomethane	1.64	94	38491	15.654	ug/l		98
6) Chloroethane	1.73	64	35661	18.477	ug/l		93
7) Trichlorofluoromethane	1.93	101	72277	18.593	ug/l		100
8) Diethyl Ether	2.19	74	40398	19.247	ug/l		82
9) 1,1,2-Trichlorotrifluoroet	2.39	101	52643	19.965	ug/l		92
10) 1,1-Dichloroethene	2.38	96	48759	19.576	ug/l		90
11) Methyl Iodide	2.51	142	60314	19.025	ug/l		98
12) Methyl Acetate	2.78	43	78843	19.340	ug/l		97
13) Acrolein	2.29	56	58349	93.071	ug/l		97
14) Acrylonitrile	3.14	53	173013	95.641	ug/l		100
15) Acetone	2.45	58	51752	89.038	ug/l		89
16) Carbon Disulfide	2.57	76	152229	19.171	ug/l		100
17) Allyl chloride	2.73	41	103429	18.998	ug/l		98
18) Methylene Chloride	2.86	84	55999	19.294	ug/l		89
19) trans-1,2-Dichloroethene	3.17	96	52295	19.543	ug/l		87
20) Diisopropyl ether	3.85	45	206298	19.349	ug/l	#	82
21) 1,1-Dichloroethane	3.70	63	105894	19.462	ug/l		95
22) cis-1,2-Dichloroethene	4.60	96	58647	19.225	ug/l	#	81
23) tert-Butyl Alcohol	3.04	59	63375	95.091	ug/l	#	100
24) Methyl tert-Butyl Ether	3.20	73	173626	19.215	ug/l		96
25) Chloroform	5.21	83	99990	19.480	ug/l		98
26) Cyclohexane	5.58	56	101689	19.603	ug/l	#	84
29) 1,1-Dichloropropene	5.80	75	76032	19.377	ug/l		92
30) 2-Butanone	4.67	43	258491	93.975	ug/l		94
31) 2,2-Dichloropropane	4.59	77	76661	19.371	ug/l		93
32) 1,1,1-Trichloroethane	5.50	97	81003	19.489	ug/l	#	95
33) Carbon Tetrachloride	5.79	117	67310	19.297	ug/l		95
34) Benzene	6.15	78	229439	19.554	ug/l	#	97
35) Methacrylonitrile	5.04	41	51482	19.237	ug/l		93
36) 1,2-Dichloroethane	6.20	62	82080	19.273	ug/l		98
37) Trichloroethene	7.21	130	54299	19.420	ug/l		88
38) Methylcyclohexane	7.46	83	95134	19.960	ug/l		89
39) 1,2-Dichloropropane	7.51	63	62890	19.680	ug/l		99
40) Dibromomethane	7.66	93	37965	19.405	ug/l		90

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031819\
Data File : VX008165.D
Acq On : 18 Mar 2019 14:28
Operator : JC/SP
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031819

Manual Integrations APPROVED
MMDadoda
3/19/2019 9:37:17 AM

Quant Time: Mar 19 03:09:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X031819W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Mar 18 14:34:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Bromodichloromethane	7.90	83	72157	19.073 ug/l		99
42) Vinyl Acetate	3.82	43	898421	97.119 ug/l	#	94
43) Ethyl Acetate	4.83	43	96847m	19.859 ug/l		
44) Isopropyl Acetate	6.45	43	145550	19.243 ug/l		97
45) 1,4-Dioxane	7.74	88	27193	384.851 ug/l	#	82
46) Methyl methacrylate	7.77	41	76336	19.127 ug/l		90
47) n-amyl Acetate	10.90	43	124410	19.248 ug/l		96
48) t-1,3-Dichloropropene	9.04	75	77824	18.611 ug/l		96
49) cis-1,3-Dichloropropene	8.43	75	86803	18.659 ug/l		93
50) 1,1,2-Trichloroethane	9.21	97	56694	20.183 ug/l		95
51) Ethyl methacrylate	9.18	69	86713	19.042 ug/l		92
52) 1,3-Dichloropropane	9.37	76	99679	19.818 ug/l		98
53) Dibromochloromethane	9.58	129	50997	18.776 ug/l		99
54) 1,2-Dibromoethane	9.67	107	57528	19.623 ug/l		98
55) 2-Chloroethyl vinyl ether	8.31	63	331407	102.222 ug/l		95
56) Bromoform	10.85	173	36546	18.702 ug/l	#	98
58) 4-Methyl-2-Pentanone	8.64	43	494507	99.713 ug/l		96
59) 2-Hexanone	9.49	43	379058	96.876 ug/l		96
61) Tetrachloroethene	9.34	164	51915	19.879 ug/l		97
62) Toluene	8.78	91	240283	19.593 ug/l		99
64) Chlorobenzene	10.13	112	144287	19.769 ug/l		97
65) 1,1,1,2-Tetrachloroethane	10.22	131	49432	19.315 ug/l		98
66) Ethyl Benzene	10.25	91	255539	19.509 ug/l		96
67) m/p-Xylenes	10.36	106	186995	38.644 ug/l		89
68) o-Xylene	10.69	106	91309	19.637 ug/l		91
69) Styrene	10.71	104	147333	19.452 ug/l		96
70) Isopropylbenzene	11.02	105	247670	19.754 ug/l		95
71) 1,1,2,2-Tetrachloroethane	11.27	83	88587	20.171 ug/l		97
72) 1,2,3-Trichloropropane	11.29	75	77396m	20.436 ug/l		
73) Bromobenzene	11.26	156	57668	19.430 ug/l		80
74) n-propylbenzene	11.36	91	290876	19.595 ug/l		95
75) 2-Chlorotoluene	11.42	91	172400	19.770 ug/l		91
76) 1,3,5-Trimethylbenzene	11.51	105	205639	19.834 ug/l		96
77) t-1,4-Dichloro-2-butene	11.07	75	24942	18.328 ug/l		96
78) 4-Chlorotoluene	11.51	91	196526	19.564 ug/l		91
79) tert-butylbenzene	12.06	119	210056	19.895 ug/l		96
80) 1,2,4-Trimethylbenzene	11.80	105	207810	19.857 ug/l		94
81) sec-Butylbenzene	11.94	105	246391	19.899 ug/l		96
82) p-Isopropyltoluene	12.06	119	210056	19.895 ug/l		96
83) 1,3-Dichlorobenzene	12.02	146	104182	19.587 ug/l		95
84) 1,4-Dichlorobenzene	12.10	146	105017	19.894 ug/l		97
85) n-Butylbenzene	12.38	91	192168	19.303 ug/l		97
86) Hexachloroethane	12.60	117	34698	19.172 ug/l		97
87) 1,2-Dichlorobenzene	12.39	146	104540	19.725 ug/l		97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	18362	18.880 ug/l	#	73
89) 1,2,4-Trichlorobenzene	13.65	180	67052	19.422 ug/l		99
90) Hexachlorobutadiene	13.78	225	35800	19.982 ug/l		98
91) Naphthalene	13.83	128	215623	19.283 ug/l		100
92) 1,2,3-Trichlorobenzene	14.02	180	67950	19.706 ug/l		99

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031819\
Data File : VX008165.D
Acq On : 18 Mar 2019 14:28
Operator : JC/SP
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031819

Manual Integrations APPROVED
MMDadoda
3/19/2019 9:37:17 AM

Quant Time: Mar 19 03:09:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X031819W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Mar 18 14:34:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031819\
Data File : VX008165.D
Acq On : 18 Mar 2019 14:28
Operator : JC/SP
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 19 03:09:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X031819W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Mar 18 14:34:46 2019
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031819

Manual Integrations APPROVED
MMDadoda
3/19/2019 9:37:17 AM