

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022120\
 Data File : VX014986.D
 Acq On : 21 Feb 2020 10:21
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:28:58 AM

Quant Time: Feb 21 11:07:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 21 10:51:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	76279	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	425905	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	394550	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	159108	29.64	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.80%
60) 4-Bromofluorobenzene	11.13	95	183581	29.19	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.30%
63) Toluene-d8	8.71	98	504670	28.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	333865	69.034	ug/l 97
3) Chloromethane	1.32	50	433493	79.705	ug/l 97
4) Vinyl Chloride	1.41	62	480289	79.142	ug/l 99
5) Bromomethane	1.64	94	348779	87.987	ug/l 100
6) Chloroethane	1.72	64	315462	89.563	ug/l 99
7) Trichlorofluoromethane	1.93	101	696842	98.090	ug/l 97
8) Diethyl Ether	2.18	74	302599	98.007	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	404604	97.754	ug/l 100
10) 1,1-Dichloroethene	2.37	96	414878	99.497	ug/l 99
11) Methyl Iodide	2.51	142	573045	104.970	ug/l 99
12) Methyl Acetate	2.76	43	520804	73.697	ug/l 100
13) Acrolein	2.29	56	514700	620.306	ug/l 100
14) Acrylonitrile	3.14	53	1183600	470.688	ug/l 100
15) Acetone	2.44	58	412060	478.890	ug/l 98
16) Carbon Disulfide	2.57	76	1131701	99.387	ug/l 99
17) Allyl chloride	2.72	41	737853	96.697	ug/l 99
18) Methylene Chloride	2.85	84	465607	95.695	ug/l 97
19) trans-1,2-Dichloroethene	3.16	96	456138	101.234	ug/l 99
20) Diisopropyl ether	3.84	45	1458687	95.869	ug/l 99
21) 1,1-Dichloroethane	3.69	63	805477	97.638	ug/l 100
22) cis-1,2-Dichloroethene	4.59	96	522987	100.593	ug/l 97
23) tert-Butyl Alcohol	3.03	59	469096m	450.426	ug/l
24) Methyl tert-Butyl Ether	3.19	73	1391565	100.445	ug/l 98
25) Chloroform	5.20	83	804480	99.572	ug/l 98
26) Cyclohexane	5.58	56	730398	96.274	ug/l # 100
29) 1,1-Dichloropropene	5.79	75	621953	100.983	ug/l 98
30) 2-Butanone	4.65	43	1794748	466.894	ug/l 99
31) 2,2-Dichloropropane	4.58	77	684335	103.130	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	704746	102.761	ug/l 98
33) Carbon Tetrachloride	5.78	117	615636	104.044	ug/l 93
34) Benzene	6.14	78	1851835	97.816	ug/l 98
35) Methacrylonitrile	5.03	41	367910	96.289	ug/l 97
36) 1,2-Dichloroethane	6.19	62	647313	97.874	ug/l 99
37) Trichloroethene	7.21	130	527054	101.551	ug/l 96
38) Methylcyclohexane	7.46	83	780261	102.054	ug/l 99
39) 1,2-Dichloropropane	7.51	63	480838	97.849	ug/l 98
40) Dibromomethane	7.65	93	318408	99.483	ug/l 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022120\
 Data File : VX014986.D
 Acq On : 21 Feb 2020 10:21
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:28:58 AM

Quant Time: Feb 21 11:07:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 21 10:51:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	652689	104.221	ug/l	99
42) Vinyl Acetate	3.81	43	6421222	529.147	ug/l	99
43) Ethyl Acetate	4.82	43	660751	95.392	ug/l	97
44) Isopropyl Acetate	6.44	43	1108989	98.320	ug/l	98
45) 1,4-Dioxane	7.73	88	201591	1819.703	ug/l	98
46) Methyl methacrylate	7.76	41	559455	100.990	ug/l	99
47) n-amyl Acetate	10.89	43	1009233	105.658	ug/l	100
48) t-1,3-Dichloropropene	9.03	75	741631	108.504	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	809110	105.289	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	476366	98.485	ug/l	98
51) Ethyl methacrylate	9.17	69	777291	103.203	ug/l	98
52) 1,3-Dichloropropane	9.37	76	803618	98.061	ug/l	100
53) Dibromochloromethane	9.58	129	539606	107.688	ug/l	100
54) 1,2-Dibromoethane	9.67	107	510995	101.921	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	1984023	556.628	ug/l	100
56) Bromoform	10.85	173	430833	111.601	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	3330661	463.919	ug/l	99
59) 2-Hexanone	9.48	43	2614380	468.838	ug/l	99
61) Tetrachloroethene	9.33	164	522555	91.608	ug/l	99
62) Toluene	8.78	91	2031911	98.314	ug/l	99
64) Chlorobenzene	10.14	112	1304597	100.811	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	492250	102.898	ug/l	99
66) Ethyl Benzene	10.25	91	2293273	101.520	ug/l	98
67) m/p-Xylenes	10.36	106	1772612	204.975	ug/l	97
68) o-Xylene	10.70	106	854394	101.526	ug/l	99
69) Styrene	10.71	104	1488686	104.309	ug/l	99
70) Isopropylbenzene	11.01	105	2253206	101.702	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	724575	98.197	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	597523m	92.538	ug/l	
73) Bromobenzene	11.25	156	608439	103.267	ug/l	97
74) n-propylbenzene	11.35	91	2607634	102.899	ug/l	99
75) 2-Chlorotoluene	11.42	91	1523428	100.475	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	1918383	103.837	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	267569	109.622	ug/l	94
78) 4-Chlorotoluene	11.51	91	1788990	103.800	ug/l	99
79) tert-butylbenzene	11.76	119	1867181	107.413	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	1911493	103.996	ug/l	100
81) sec-Butylbenzene	11.94	105	2216671	103.358	ug/l	98
82) p-Isopropyltoluene	12.06	119	2094514	106.852	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	1084321	105.607	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	1096384	106.756	ug/l	98
85) n-Butylbenzene	12.39	91	1890932	110.213	ug/l	100
86) Hexachloroethane	12.59	117	385393	110.060	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	1073673	103.770	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.99	75	162333	102.723	ug/l	94
89) 1,2,4-Trichlorobenzene	13.64	180	808082	116.431	ug/l	99
90) Hexachlorobutadiene	13.78	225	392878	113.549	ug/l	95
91) Naphthalene	13.83	128	2322995	112.075	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	790399	112.294	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022120\
Data File : VX014986.D
Acq On : 21 Feb 2020 10:21
Operator : JC/SP
Sample : VSTDICC100
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:28:58 AM

Quant Time: Feb 21 11:07:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Feb 21 10:51:02 2020
Response via : Initial Calibration

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

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

