

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031220\
 Data File : VX015231.D
 Acq On : 12 Mar 2020 12:38
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 11:43:37 AM

Quant Time: Mar 12 14:09:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 12 13:54:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	48014	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	264443	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	248659	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	96608	28.94	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.47%
60) 4-Bromofluorobenzene	11.13	95	116826	30.17	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.57%
63) Toluene-d8	8.71	98	321001	29.60	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	115757	53.989 ug/l	96
3) Chloromethane	1.32	50	163065	58.818 ug/l	100
4) Vinyl Chloride	1.40	62	167267	56.059 ug/l	99
5) Bromomethane	1.64	94	105036	50.269 ug/l	95
6) Chloroethane	1.72	64	103239	51.653 ug/l	99
7) Trichlorofluoromethane	1.92	101	214290	49.347 ug/l	98
8) Diethyl Ether	2.18	74	92401	50.581 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	128995	51.379 ug/l	98
10) 1,1-Dichloroethene	2.37	96	131920	52.266 ug/l	98
11) Methyl Iodide	2.50	142	151988	49.558 ug/l	99
12) Methyl Acetate	2.76	43	172988	55.077 ug/l	99
13) Acrolein	2.28	56	124789	199.773 ug/l	99
14) Acrylonitrile	3.13	53	396983	279.872 ug/l	99
15) Acetone	2.44	58	111273	219.204 ug/l	98
16) Carbon Disulfide	2.56	76	382778	56.403 ug/l	100
17) Allyl chloride	2.72	41	256247	58.363 ug/l	97
18) Methylene Chloride	2.85	84	153373	52.740 ug/l	98
19) trans-1,2-Dichloroethene	3.16	96	148527	53.575 ug/l	98
20) Diisopropyl ether	3.84	45	508612	56.722 ug/l	97
21) 1,1-Dichloroethane	3.69	63	263114	53.529 ug/l	99
22) cis-1,2-Dichloroethene	4.59	96	166828	52.586 ug/l	97
23) tert-Butyl Alcohol	3.03	59	150999	268.550 ug/l	# 99
24) Methyl tert-Butyl Ether	3.19	73	444299	52.909 ug/l	100
25) Chloroform	5.20	83	254062	51.255 ug/l	98
26) Cyclohexane	5.58	56	250821	57.094 ug/l	# 99
29) 1,1-Dichloropropene	5.79	75	199586	53.360 ug/l	99
30) 2-Butanone	4.66	43	560450	259.592 ug/l	100
31) 2,2-Dichloropropane	4.58	77	208277	50.711 ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	216738	51.026 ug/l	100
33) Carbon Tetrachloride	5.78	117	189059	50.845 ug/l	97
34) Benzene	6.14	78	609985	54.045 ug/l	99
35) Methacrylonitrile	5.03	41	121370	55.110 ug/l	97
36) 1,2-Dichloroethane	6.18	62	197988	49.559 ug/l	100
37) Trichloroethene	7.21	130	168424	53.149 ug/l	97
38) Methylcyclohexane	7.46	83	248824	53.669 ug/l	99
39) 1,2-Dichloropropane	7.51	63	157669	54.272 ug/l	93
40) Dibromomethane	7.65	93	100387	51.748 ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031220\
 Data File : VX015231.D
 Acq On : 12 Mar 2020 12:38
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 11:43:37 AM

Quant Time: Mar 12 14:09:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 12 13:54:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	200440	52.306	ug/l	98
42) Vinyl Acetate	3.80	43	2148784	282.767	ug/l	100
43) Ethyl Acetate	4.82	43	214836	54.996	ug/l	99
44) Isopropyl Acetate	6.43	43	350180	53.325	ug/l	98
45) 1,4-Dioxane	7.73	88	69203	1140.468	ug/l	98
46) Methyl methacrylate	7.76	41	176304	54.268	ug/l	98
47) n-amyl Acetate	10.89	43	316316	55.601	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	226824	53.351	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	255691	54.627	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	151202	52.316	ug/l	96
51) Ethyl methacrylate	9.17	69	240854	53.994	ug/l	98
52) 1,3-Dichloropropane	9.37	76	258048	52.779	ug/l	100
53) Dibromochloromethane	9.58	129	163519	52.330	ug/l	96
54) 1,2-Dibromoethane	9.67	107	158818	51.757	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	615309	258.949	ug/l	99
56) Bromoform	10.85	173	125795	51.355	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	1077889	264.499	ug/l	100
59) 2-Hexanone	9.48	43	814057	255.663	ug/l	99
61) Tetrachloroethene	9.33	164	171855	51.457	ug/l	99
62) Toluene	8.78	91	652097	51.199	ug/l	100
64) Chlorobenzene	10.14	112	410494	50.494	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	149830	49.756	ug/l	98
66) Ethyl Benzene	10.24	91	726802	51.802	ug/l	100
67) m/p-Xylenes	10.35	106	556278	102.821	ug/l	98
68) o-Xylene	10.70	106	264580	50.543	ug/l	99
69) Styrene	10.71	104	468631	52.417	ug/l	99
70) Isopropylbenzene	11.01	105	707253	50.863	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	221200	49.408	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	181691m	48.925	ug/l	
73) Bromobenzene	11.25	156	187706	49.959	ug/l	99
74) n-propylbenzene	11.35	91	834763	52.747	ug/l	99
75) 2-Chlorotoluene	11.42	91	478963	51.213	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	591723	50.777	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	79022	52.770	ug/l	94
78) 4-Chlorotoluene	11.51	91	552409	51.064	ug/l	99
79) tert-butylbenzene	11.76	119	566533	50.320	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	594414	51.307	ug/l	100
81) sec-Butylbenzene	11.94	105	705690	52.340	ug/l	100
82) p-Isopropyltoluene	12.06	119	651589	52.019	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	334709	50.819	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	338814	51.084	ug/l	100
85) n-Butylbenzene	12.38	91	580639	53.269	ug/l	99
86) Hexachloroethane	12.59	117	112675	49.766	ug/l	95
87) 1,2-Dichlorobenzene	12.38	146	332028	50.660	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.99	75	48371	49.609	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	247619	52.538	ug/l	99
90) Hexachlorobutadiene	13.77	225	122180	52.198	ug/l	98
91) Naphthalene	13.83	128	714071	53.514	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	252727	54.009	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031220\
Data File : VX015231.D
Acq On : 12 Mar 2020 12:38
Operator : JC/SP
Sample : VSTDICC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

MMDadoda
3/16/2020 11:43:37 AM

Quant Time: Mar 12 14:09:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 12 13:54:34 2020
Response via : Initial Calibration

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

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

