

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052518\
 Data File : VX001959.D
 Acq On : 24 May 2018 23:52
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 5/29/2018 4:39:13 PM

Quant Time: May 25 02:11:02 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X052518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 25 01:52:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	66509	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	381639	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	353772	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.08	65	158473	32.41	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	108.03%
60) 4-Bromofluorobenzene	11.14	95	185859	32.82	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	109.40%
63) Toluene-d8	8.72	98	465760	29.58	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	351567	111.489	ug/l 100
3) Chloromethane	1.32	50	414445	115.563	ug/l 99
4) Vinyl Chloride	1.40	62	416713	112.387	ug/l 99
5) Bromomethane	1.64	94	214767	117.714	ug/l 99
6) Chloroethane	1.71	64	243047	100.535	ug/l 98
7) Trichlorofluoromethane	1.92	101	629554	116.109	ug/l 100
8) Diethyl Ether	2.19	74	233924	102.281	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	340801	114.485	ug/l 98
10) 1,1-Dichloroethene	2.37	96	327970	107.540	ug/l 97
11) Methyl Iodide	2.51	142	569573	126.290	ug/l 97
12) Methyl Acetate	2.79	43	524464	102.392	ug/l 97
13) Acrolein	2.30	56	214343	383.366	ug/l 99
14) Acrylonitrile	3.16	53	1078869	522.465	ug/l 99
15) Acetone	2.46	58	283254	510.912	ug/l 99
16) Carbon Disulfide	2.57	76	933829	119.337	ug/l 100
17) Allyl chloride	2.73	41	673797	113.394	ug/l 100
18) Methylene Chloride	2.86	84	365713	102.545	ug/l 98
19) trans-1,2-Dichloroethene	3.17	96	345652	104.984	ug/l 98
20) Diisopropyl ether	3.89	45	1278691	114.538	ug/l 98
21) 1,1-Dichloroethane	3.70	63	679794	108.127	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	413483	110.121	ug/l 80
23) tert-Butyl Alcohol	3.10	59	544548	569.937	ug/l # 100
24) Methyl tert-Butyl Ether	3.21	73	1264372	112.223	ug/l 99
25) Chloroform	5.23	83	727385	111.841	ug/l 100
26) Cyclohexane	5.57	56	640091	132.432	ug/l # 98
29) 1,1-Dichloropropene	5.81	75	529982	110.692	ug/l 100
30) 2-Butanone	4.73	43	1782777	554.847	ug/l 99
31) 2,2-Dichloropropane	4.59	77	445796	106.715	ug/l 99
32) 1,1,1-Trichloroethane	5.50	97	678746	110.911	ug/l 99
33) Carbon Tetrachloride	5.79	117	622673	114.162	ug/l 97
34) Benzene	6.15	78	1578660	104.064	ug/l 98
35) Methacrylonitrile	5.08	41	397296	113.792	ug/l 99
36) 1,2-Dichloroethane	6.21	62	620250	103.797	ug/l 100
37) Trichloroethene	7.22	130	454497	102.489	ug/l 94
38) Methylcyclohexane	7.46	83	625075	119.790	ug/l 99
39) 1,2-Dichloropropane	7.52	63	421738	108.893	ug/l 97
40) Dibromomethane	7.67	93	284998	104.342	ug/l 98

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052518\
 Data File : VX001959.D
 Acq On : 24 May 2018 23:52
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 5/29/2018 4:39:13 PM

Quant Time: May 25 02:11:02 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X052518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 25 01:52:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.91	83	594580	112.882	ug/l	98
42) Vinyl Acetate	3.84	43	5658130	535.242	ug/l	99
43) Ethyl Acetate	4.88	43	701681	113.575	ug/l	97
44) Isopropyl Acetate	6.48	43	1187615	122.567	ug/l	99
45) 1,4-Dioxane	7.77	88	223476	2071.443	ug/l #	91
46) Methyl methacrylate	7.79	41	600250	116.918	ug/l	99
47) n-amyl Acetate	10.90	43	1118566	131.717	ug/l #	91
48) t-1,3-Dichloropropene	8.45	75	677630	115.871	ug/l	99
49) cis-1,3-Dichloropropene	9.05	75	658219	124.658	ug/l	98
50) 1,1,2-Trichloroethane	9.22	97	416002	104.419	ug/l	98
51) Ethyl methacrylate	9.19	69	720406	118.637	ug/l	97
52) 1,3-Dichloropropane	9.38	76	693935	104.577	ug/l	99
53) Dibromochloromethane	9.59	129	517973	119.763	ug/l	99
54) 1,2-Dibromoethane	9.68	107	449184	106.206	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	1648812	523.088	ug/l	99
56) Bromoform	10.87	173	466775	129.472	ug/l	100
58) 4-Methyl-2-Pentanone	8.66	43	3636490	556.072	ug/l	98
59) 2-Hexanone	9.51	43	2838117	575.940	ug/l	99
61) Tetrachloroethene	9.34	164	516782	101.518	ug/l	99
62) Toluene	8.79	91	1766539	104.679	ug/l	99
64) Chlorobenzene	10.15	112	1146297	104.120	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	462741	108.876	ug/l	100
66) Ethyl Benzene	10.26	91	1992402	111.999	ug/l	99
67) m/p-Xylenes	10.37	106	1534587	219.268	ug/l	100
68) o-Xylene	10.71	106	762163	109.294	ug/l	99
69) Styrene	10.72	104	1300600	113.097	ug/l	99
70) Isopropylbenzene	11.02	105	2047339	113.623	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	643237	107.709	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	553148m	93.855	ug/l	
73) Bromobenzene	11.26	156	563940	105.729	ug/l	97
74) n-propylbenzene	11.37	91	2345304	118.064	ug/l	99
75) 2-Chlorotoluene	11.43	91	1417140	114.134	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	1755262	115.535	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	220110	134.843	ug/l	99
78) 4-Chlorotoluene	11.52	91	1647209	116.922	ug/l	99
79) tert-butylbenzene	12.07	119	1893442	118.453	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	1787313	115.604	ug/l	99
81) sec-Butylbenzene	11.95	105	2086313	118.212	ug/l	99
82) p-Isopropyltoluene	12.07	119	1893442	118.453	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	1016077	109.390	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	1025735	110.112	ug/l	100
85) n-Butylbenzene	12.40	91	1638282	127.041	ug/l	99
86) Hexachloroethane	12.60	117	371382	137.268	ug/l	97
87) 1,2-Dichlorobenzene	12.40	146	1039443	108.111	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	187416	127.517	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	766844	112.011	ug/l	100
90) Hexachlorobutadiene	13.79	225	401454	114.381	ug/l	99
91) Naphthalene	13.84	128	2325543	111.485	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	780012	107.827	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052518\
Data File : VX001959.D
Acq On : 24 May 2018 23:52
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

MMDadoda
5/29/2018 4:39:13 PM

Quant Time: May 25 02:11:02 2018
Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X052518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 25 01:52:03 2018
Response via : Initial Calibration

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

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

