

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112918\
 Data File : VN052579.D
 Acq On : 29 Nov 2018 21:58
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 11:11:22 AM

Quant Time: Nov 30 04:07:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	172564	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1002343	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	869663	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	350368	29.80	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.33%
60) 4-Bromofluorobenzene	12.40	95	397850	29.92	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.73%
63) Toluene-d8	10.09	98	1211111	30.03	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.10%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	179010	18.214	ug/l 98
3) Chloromethane	2.06	50	233332	17.902	ug/l 99
4) Vinyl Chloride	2.19	62	246929	18.770	ug/l 95
5) Bromomethane	2.58	94	152480	20.328	ug/l 99
6) Chloroethane	2.71	64	151383	19.350	ug/l 100
7) Trichlorofluoromethane	3.02	101	311965	19.215	ug/l 99
8) Diethyl Ether	3.41	74	116633	19.455	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	188987	18.362	ug/l 98
10) 1,1-Dichloroethene	3.74	96	184275	19.043	ug/l 98
11) Methyl Iodide	3.96	142	257711	19.181	ug/l 98
12) Methyl Acetate	4.33	43	158634	19.293	ug/l 98
13) Acrolein	3.61	56	82638	85.562	ug/l 99
14) Acrylonitrile	4.99	53	330172	94.245	ug/l # 80
15) Acetone	3.82	58	75106	82.781	ug/l 100
16) Carbon Disulfide	4.06	76	538686	17.583	ug/l 100
17) Allyl chloride	4.33	41	288362	17.087	ug/l 98
18) Methylene Chloride	4.55	84	215766	19.257	ug/l 96
19) trans-1,2-Dichloroethene	5.05	96	201834	19.381	ug/l 93
20) Diisopropyl ether	5.95	45	663723	18.715	ug/l 98
21) 1,1-Dichloroethane	5.85	63	381866	18.891	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	228549	19.149	ug/l 97
23) tert-Butyl Alcohol	4.77	59	55856	107.177	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	507959	20.009	ug/l 98
25) Chloroform	7.37	83	376625	19.313	ug/l 100
26) Cyclohexane	7.66	56	345854	18.141	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	288033	18.817	ug/l 99
30) 2-Butanone	6.83	43	367753	89.787	ug/l 99
31) 2,2-Dichloropropane	6.83	77	246855	17.518	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	305973	19.211	ug/l 97
33) Carbon Tetrachloride	7.77	117	266043	19.090	ug/l 99
34) Benzene	8.04	78	877597	19.070	ug/l 98
35) Methacrylonitrile	7.17	41	85489	16.823	ug/l 95
36) 1,2-Dichloroethane	8.13	62	265747	19.056	ug/l 99
37) Trichloroethene	8.84	130	228290	19.563	ug/l 95
38) Methylcyclohexane	9.08	83	334564	17.657	ug/l 98
39) 1,2-Dichloropropane	9.12	63	230912	18.718	ug/l 98
40) Dibromomethane	9.21	93	130434	19.566	ug/l 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112918\
 Data File : VN052579.D
 Acq On : 29 Nov 2018 21:58
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 11:11:22 AM

Quant Time: Nov 30 04:07:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	280353	19.035	ug/l	97
42) Vinyl Acetate	5.90	43	2087611	94.201	ug/l	98
43) Ethyl Acetate	6.93	43	167501	19.232	ug/l #	73
44) Isopropyl Acetate	8.17	43	326313	21.363	ug/l #	85
45) 1,4-Dioxane	9.20	88	36464	436.371	ug/l	92
46) Methyl methacrylate	9.20	41	152784	19.265	ug/l	99
47) n-amyl Acetate	12.07	43	244163	19.279	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	264305	18.508	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	320054	18.395	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	187544	19.847	ug/l	99
51) Ethyl methacrylate	10.43	69	232845	19.619	ug/l	96
52) 1,3-Dichloropropane	10.71	76	324933	19.318	ug/l	99
53) Dibromochloromethane	10.90	129	198654	19.095	ug/l	97
54) 1,2-Dibromoethane	11.01	107	183523	19.875	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	685813	98.720	ug/l	99
56) Bromoform	12.13	173	130837	19.240	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	842993	99.985	ug/l	99
59) 2-Hexanone	10.75	43	549396	95.391	ug/l	98
61) Tetrachloroethene	10.63	164	224092	20.922	ug/l	95
62) Toluene	10.16	91	938182	19.569	ug/l	99
64) Chlorobenzene	11.44	112	568866	19.440	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	201264	19.815	ug/l	99
66) Ethyl Benzene	11.51	91	991014	19.180	ug/l	99
67) m/p-Xylenes	11.62	106	751171	39.022	ug/l	99
68) o-Xylene	11.95	106	368466	19.721	ug/l	100
69) Styrene	11.97	104	587095	19.468	ug/l	100
70) Isopropylbenzene	12.25	105	981608	19.746	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	218396	20.196	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	183899m	19.810	ug/l	
73) Bromobenzene	12.53	156	241577	20.092	ug/l	95
74) n-propylbenzene	12.59	91	1099948	18.990	ug/l	99
75) 2-Chlorotoluene	12.68	91	651106	19.366	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	785851	19.571	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	51173	17.450	ug/l	98
78) 4-Chlorotoluene	12.77	91	640387	19.074	ug/l	99
79) tert-butylbenzene	12.99	119	696157	19.908	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	789331	19.646	ug/l	99
81) sec-Butylbenzene	13.17	105	929279	19.079	ug/l	100
82) p-Isopropyltoluene	13.29	119	797845	19.237	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	410572	19.416	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	397366	19.450	ug/l	99
85) n-Butylbenzene	13.62	91	632642	17.758	ug/l	99
86) Hexachloroethane	13.88	117	130187	18.526	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	401107	19.933	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	30636	20.225	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	185689	18.730	ug/l	98
90) Hexachlorobutadiene	15.01	225	125900	19.359	ug/l	99
91) Naphthalene	15.13	128	395448	19.752	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	179013	19.593	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112918\
Data File : VN052579.D
Acq On : 29 Nov 2018 21:58
Operator : MD\SY
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 30 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
11/30/2018 11:11:22 AM

Quant Time: Nov 30 04:07:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

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

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

