

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122818\
 Data File : VN053216.D
 Acq On : 28 Dec 2018 10:41
 Operator : MD\SY
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN122818

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 9:48:44 AM

Quant Time: Dec 28 12:23:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	159301	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	933825	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	820547	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	305691	30.21	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.70%
60) 4-Bromofluorobenzene	12.40	95	379537	30.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.77%
63) Toluene-d8	10.09	98	1118097	30.25	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	218512	20.587	ug/l 98
3) Chloromethane	2.06	50	254250	20.410	ug/l 99
4) Vinyl Chloride	2.19	62	245198	20.002	ug/l 98
5) Bromomethane	2.58	94	165971	20.999	ug/l 100
6) Chloroethane	2.71	64	140711	19.927	ug/l 99
7) Trichlorofluoromethane	3.03	101	309488	20.444	ug/l 98
8) Diethyl Ether	3.41	74	116539	20.720	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	3.77	101	196020	20.609	ug/l 97
10) 1,1-Dichloroethene	3.74	96	186071	20.047	ug/l 96
11) Methyl Iodide	3.96	142	252276	18.559	ug/l 100
12) Methyl Acetate	4.33	43	144504	19.974	ug/l 99
13) Acrolein	3.61	56	90459	104.727	ug/l 97
14) Acrylonitrile	4.99	53	330879	102.232	ug/l 98
15) Acetone	3.82	58	70081	101.884	ug/l 94
16) Carbon Disulfide	4.06	76	604489	21.170	ug/l 100
17) Allyl chloride	4.33	41	286399	19.613	ug/l 98
18) Methylene Chloride	4.56	84	213510	20.099	ug/l 94
19) trans-1,2-Dichloroethene	5.05	96	201797	20.571	ug/l 94
20) Diisopropyl ether	5.95	45	631518	20.195	ug/l 97
21) 1,1-Dichloroethane	5.85	63	367376	20.177	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	225100	20.371	ug/l 98
23) tert-Butyl Alcohol	4.78	59	58861	107.882	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	498721	20.605	ug/l 95
25) Chloroform	7.37	83	353372	20.191	ug/l 98
26) Cyclohexane	7.66	56	345934	20.370	ug/l # 99
29) 1,1-Dichloropropene	7.80	75	283769	20.061	ug/l 99
30) 2-Butanone	6.83	43	354869	100.558	ug/l 97
31) 2,2-Dichloropropane	6.83	77	274579	20.051	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	295463	19.936	ug/l 97
33) Carbon Tetrachloride	7.78	117	257987	19.887	ug/l 99
34) Benzene	8.04	78	844915	19.875	ug/l 98
35) Methacrylonitrile	7.17	41	93671	20.570	ug/l 98
36) 1,2-Dichloroethane	8.13	62	249511	20.218	ug/l 98
37) Trichloroethene	8.84	130	231976	20.144	ug/l 96
38) Methylcyclohexane	9.08	83	329795	19.934	ug/l 97
39) 1,2-Dichloropropane	9.12	63	221329	19.938	ug/l 98
40) Dibromomethane	9.21	93	126595	20.166	ug/l 95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122818\
 Data File : VN053216.D
 Acq On : 28 Dec 2018 10:41
 Operator : MD\SY
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN122818

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 9:48:44 AM

Quant Time: Dec 28 12:23:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	266376	19.758	ug/l	98
42) Vinyl Acetate	5.90	43	2023106	105.080	ug/l	97
43) Ethyl Acetate	6.93	43	165494	20.999	ug/l #	70
44) Isopropyl Acetate	8.17	43	306294	20.864	ug/l #	81
45) 1,4-Dioxane	9.20	88	37545	418.220	ug/l	93
46) Methyl methacrylate	9.20	41	148565	20.032	ug/l	96
47) n-amyl Acetate	12.07	43	268226	20.805	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	273482	19.875	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	323766	19.982	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	179361	19.927	ug/l	99
51) Ethyl methacrylate	10.43	69	237012	20.204	ug/l	95
52) 1,3-Dichloropropane	10.71	76	312130	20.130	ug/l	100
53) Dibromochloromethane	10.90	129	199240	19.708	ug/l	98
54) 1,2-Dibromoethane	11.01	107	181627	20.002	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	671833	99.791	ug/l	98
56) Bromoform	12.13	173	134759	19.486	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	823672	105.343	ug/l	97
59) 2-Hexanone	10.75	43	565809	104.820	ug/l	97
61) Tetrachloroethene	10.63	164	238138	19.639	ug/l	97
62) Toluene	10.16	91	911642	20.258	ug/l	99
64) Chlorobenzene	11.44	112	570628	20.207	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	197772	19.965	ug/l	99
66) Ethyl Benzene	11.51	91	988847	20.263	ug/l	98
67) m/p-Xylenes	11.62	106	754663	40.888	ug/l	99
68) o-Xylene	11.95	106	366819	20.510	ug/l	98
69) Styrene	11.96	104	596254	20.424	ug/l	99
70) Isopropylbenzene	12.25	105	963068	20.466	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	214949	21.699	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	170269m	19.629	ug/l	
73) Bromobenzene	12.53	156	251974	20.831	ug/l	92
74) n-propylbenzene	12.59	91	1094186	20.541	ug/l	98
75) 2-Chlorotoluene	12.68	91	649623	20.592	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	771362	20.664	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	60246	19.766	ug/l	92
78) 4-Chlorotoluene	12.77	91	667034	20.771	ug/l	100
79) tert-butylbenzene	12.99	119	677120	20.799	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	776010	20.742	ug/l	98
81) sec-Butylbenzene	13.17	105	897089	20.810	ug/l	99
82) p-Isopropyltoluene	13.29	119	780872	20.962	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	433561	21.051	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	421473	20.994	ug/l	99
85) n-Butylbenzene	13.62	91	631726	20.854	ug/l	99
86) Hexachloroethane	13.88	117	118594	19.940	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	406652	21.249	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29944	21.137	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	216754	23.336	ug/l	99
90) Hexachlorobutadiene	15.01	225	133900	23.816	ug/l	99
91) Naphthalene	15.13	128	496686	25.203	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	206327	24.898	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122818\
Data File : VN053216.D
Acq On : 28 Dec 2018 10:41
Operator : MD\SY
Sample : VSTDICV020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122818

Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:48:44 AM

Quant Time: Dec 28 12:23:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 28 10:33:50 2018
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:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN122818\
Data File : VN053216.D
Acq On : 28 Dec 2018 10:41
Operator : MD\SY
Sample : VSTDICV020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122818

Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:48:44 AM

Quant Time: Dec 28 12:23:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 28 10:33:50 2018
Response via : Initial Calibration

