

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056099.D
 Acq On : 7 Jun 2019 14:56
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:26:50 AM

Quant Time: Jun 08 05:27:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	51311	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	275604	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	242890	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	97324	30.54	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.80%
60) 4-Bromofluorobenzene	12.40	95	105886	29.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.03%
63) Toluene-d8	10.09	98	332416	30.17	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	67206	23.287	ug/l 99
3) Chloromethane	2.06	50	74640	22.136	ug/l 99
4) Vinyl Chloride	2.18	62	74542	21.682	ug/l 98
5) Bromomethane	2.54	94	49190m	22.767	ug/l
6) Chloroethane	2.69	64	42011	21.604	ug/l 95
7) Trichlorofluoromethane	3.01	101	89281	20.990	ug/l 98
8) Diethyl Ether	3.40	74	37040	20.532	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55666	21.201	ug/l 100
10) 1,1-Dichloroethene	3.72	96	56444	21.074	ug/l 96
11) Methyl Iodide	3.94	142	80759	19.111	ug/l 99
12) Methyl Acetate	4.33	43	68338	21.232	ug/l 99
13) Acrolein	3.60	56	17058	108.735	ug/l 96
14) Acrylonitrile	4.99	53	156125	108.773	ug/l 99
15) Acetone	3.82	58	46239	98.387	ug/l 99
16) Carbon Disulfide	4.04	76	123325	19.351	ug/l 99
17) Allyl chloride	4.31	41	85811	20.678	ug/l 99
18) Methylene Chloride	4.54	84	66848	21.558	ug/l 97
19) trans-1,2-Dichloroethene	5.03	96	59745	20.897	ug/l 95
20) Diisopropyl ether	5.95	45	184187	21.422	ug/l 97
21) 1,1-Dichloroethane	5.84	63	106556	21.325	ug/l 100
22) cis-1,2-Dichloroethene	6.82	96	69934	20.957	ug/l 99
23) tert-Butyl Alcohol	4.82	59	52680	94.292	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	178813	20.948	ug/l 99
25) Chloroform	7.37	83	106391	21.323	ug/l 99
26) Cyclohexane	7.65	56	97874	21.113	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	78274	20.996	ug/l 99
30) 2-Butanone	6.84	43	208020	105.992	ug/l 100
31) 2,2-Dichloropropane	6.82	77	69097	19.924	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	85330	20.717	ug/l 99
33) Carbon Tetrachloride	7.77	117	71228	20.411	ug/l 98
34) Benzene	8.04	78	256294	21.577	ug/l 99
35) Methacrylonitrile	7.18	41	40741	24.583	ug/l 97
36) 1,2-Dichloroethane	8.12	62	80267	21.573	ug/l 99
37) Trichloroethene	8.83	130	70844	21.314	ug/l 99
38) Methylcyclohexane	9.08	83	99927	21.143	ug/l 99
39) 1,2-Dichloropropane	9.12	63	66486	21.855	ug/l 95
40) Dibromomethane	9.21	93	43008	21.322	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056099.D
 Acq On : 7 Jun 2019 14:56
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:26:50 AM

Quant Time: Jun 08 05:27:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

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

41) Bromodichloromethane	9.40	83	73502	20.350	ug/l #	98
42) Vinyl Acetate	5.90	43	753100	107.632	ug/l	99
43) Ethyl Acetate	6.93	43	82049	21.844	ug/l	94
44) Isopropyl Acetate	8.17	43	123247	21.133	ug/l	99
45) 1,4-Dioxane	9.20	88	25283	405.262	ug/l	96
46) Methyl methacrylate	9.20	41	61415	21.198	ug/l	99
47) n-amyl Acetate	12.07	43	98703	20.465	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	72549	19.086	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	89713	20.156	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	64102	21.396	ug/l	99
51) Ethyl methacrylate	10.43	69	93194	20.561	ug/l	99
52) 1,3-Dichloropropane	10.71	76	104904	21.598	ug/l	99
53) Dibromochloromethane	10.90	129	59200	20.186	ug/l	99
54) 1,2-Dibromoethane	11.00	107	65443	20.933	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	159964	100.756	ug/l	99
56) Bromoform	12.13	173	39458	18.598	ug/l #	99
58) 4-Methyl-2-Pentanone	9.99	43	400102	108.784	ug/l	99
59) 2-Hexanone	10.75	43	279102	106.170	ug/l	99
61) Tetrachloroethene	10.63	164	73572	21.734	ug/l	97
62) Toluene	10.16	91	278414	21.233	ug/l	99
64) Chlorobenzene	11.43	112	167077	21.007	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	58469	20.387	ug/l	99
66) Ethyl Benzene	11.51	91	294090	21.058	ug/l	100
67) m/p-Xylenes	11.62	106	225491	42.183	ug/l	99
68) o-Xylene	11.95	106	111346	21.277	ug/l	100
69) Styrene	11.96	104	175008	20.583	ug/l	99
70) Isopropylbenzene	12.25	105	293731	21.482	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	88276	21.414	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	76146m	21.337	ug/l	
73) Bromobenzene	12.53	156	76564	21.096	ug/l	100
74) n-propylbenzene	12.59	91	306105	21.214	ug/l	98
75) 2-Chlorotoluene	12.67	91	189881	21.216	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	238759	21.229	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	17801	17.481	ug/l	93
78) 4-Chlorotoluene	12.77	91	171790	20.553	ug/l	100
79) tert-butylbenzene	12.99	119	213591	21.435	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	229070	20.937	ug/l	100
81) sec-Butylbenzene	13.17	105	266065	21.107	ug/l	100
82) p-Isopropyltoluene	13.29	119	238615	20.937	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	115449	20.412	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	105085	19.505	ug/l	99
85) n-Butylbenzene	13.61	91	167185	19.655	ug/l	99
86) Hexachloroethane	13.87	117	33388	18.792	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	118532	20.618	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12146	18.770	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	49267	20.773	ug/l	97
90) Hexachlorobutadiene	15.01	225	44671	21.285	ug/l	99
91) Naphthalene	15.13	128	140724	18.430	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	58166	19.328	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
Data File : VN056099.D
Acq On : 7 Jun 2019 14:56
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

MMDadoda
6/10/2019 11:26:50 AM

Quant Time: Jun 08 05:27:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jun 06 04:02:53 2019
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:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056099.D
 Acq On : 7 Jun 2019 14:56
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:26:50 AM

Quant Time: Jun 08 05:27:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

