

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092419\
 Data File : VN058348.D
 Acq On : 24 Sep 2019 16:09
 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
 9/25/2019 8:24:19 AM

Quant Time: Sep 25 02:04:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	81343	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	481656	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	421536	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	219632	30.54	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.80%
60) 4-Bromofluorobenzene	12.41	95	215881	29.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.67%
63) Toluene-d8	10.08	98	610400	30.34	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	99005	20.240 ug/l	96
3) Chloromethane	2.04	50	113171	20.037 ug/l	98
4) Vinyl Chloride	2.17	62	114657	20.344 ug/l	95
5) Bromomethane	2.55	94	61461	20.084 ug/l	99
6) Chloroethane	2.69	64	67401	20.236 ug/l	93
7) Trichlorofluoromethane	3.00	101	132918	20.030 ug/l	99
8) Diethyl Ether	3.39	74	59599	20.203 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	92200	20.184 ug/l	99
10) 1,1-Dichloroethene	3.72	96	87893	19.683 ug/l	99
11) Methyl Iodide	3.93	142	92348	20.170 ug/l	97
12) Methyl Acetate	4.30	43	118129	19.862 ug/l	97
13) Acrolein	3.60	56	16553	97.877 ug/l	97
14) Acrylonitrile	4.96	53	244618	99.611 ug/l	100
15) Acetone	3.80	58	71104	104.424 ug/l	93
16) Carbon Disulfide	4.03	76	237464	19.135 ug/l	98
17) Allyl chloride	4.30	41	161407	19.351 ug/l	91
18) Methylene Chloride	4.53	84	107176	20.346 ug/l	95
19) trans-1,2-Dichloroethene	5.02	96	97077	19.391 ug/l	96
20) Diisopropyl ether	5.93	45	352736	19.847 ug/l	98
21) 1,1-Dichloroethane	5.83	63	199196	20.029 ug/l	98
22) cis-1,2-Dichloroethene	6.81	96	115022	19.780 ug/l	99
23) tert-Butyl Alcohol	4.76	59	87881	96.939 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	318700	19.883 ug/l	100
25) Chloroform	7.36	83	197952	19.656 ug/l	99
26) Cyclohexane	7.64	56	182352	19.617 ug/l	# 100
29) 1,1-Dichloropropene	7.78	75	151914	19.322 ug/l	98
30) 2-Butanone	6.82	43	350970	98.313 ug/l	99
31) 2,2-Dichloropropane	6.81	77	157268	19.430 ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	165443	19.510 ug/l	99
33) Carbon Tetrachloride	7.76	117	138595	19.237 ug/l	98
34) Benzene	8.03	78	440351	19.744 ug/l	98
35) Methacrylonitrile	7.16	41	57208	18.631 ug/l	95
36) 1,2-Dichloroethane	8.11	62	169583	19.410 ug/l	100
37) Trichloroethene	8.82	130	107784	19.304 ug/l	99
38) Methylcyclohexane	9.07	83	182156	19.160 ug/l	98
39) 1,2-Dichloropropane	9.11	63	119781	19.689 ug/l	99
40) Dibromomethane	9.20	93	76200	19.846 ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092419\
 Data File : VN058348.D
 Acq On : 24 Sep 2019 16:09
 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
 9/25/2019 8:24:19 AM

Quant Time: Sep 25 02:04:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	144368	19.023	ug/l	98
42) Vinyl Acetate	5.87	43	1455781	106.803	ug/l	99
43) Ethyl Acetate	6.91	43	143921	20.305	ug/l	99
44) Isopropyl Acetate	8.15	43	238124	18.767	ug/l	99
45) 1,4-Dioxane	9.19	88	41448	387.210	ug/l	96
46) Methyl methacrylate	9.19	41	116300	19.340	ug/l	97
47) n-amyl Acetate	12.08	43	198528	17.975	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	154900	18.679	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	177523	19.227	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	103626	19.311	ug/l	96
51) Ethyl methacrylate	10.43	69	158929	18.719	ug/l	99
52) 1,3-Dichloropropane	10.71	76	187851	19.711	ug/l	99
53) Dibromochloromethane	10.90	129	99607	18.477	ug/l	99
54) 1,2-Dibromoethane	11.00	107	104571	19.096	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	360080	100.161	ug/l	100
56) Bromoform	12.13	173	61628	18.124	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	716222	108.437	ug/l	99
59) 2-Hexanone	10.75	43	527017	105.545	ug/l	100
61) Tetrachloroethene	10.63	164	86583	19.606	ug/l	98
62) Toluene	10.15	91	475712	20.606	ug/l	99
64) Chlorobenzene	11.44	112	279428	19.696	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	96900	19.483	ug/l	99
66) Ethyl Benzene	11.51	91	521964	20.734	ug/l	100
67) m/p-Xylenes	11.62	106	382688	39.596	ug/l	100
68) o-Xylene	11.95	106	186420	19.837	ug/l	99
69) Styrene	11.97	104	304064	19.348	ug/l	98
70) Isopropylbenzene	12.25	105	504296	20.707	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	152094	19.650	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	136401m	20.491	ug/l	
73) Bromobenzene	12.53	156	113462	19.235	ug/l	97
74) n-propylbenzene	12.60	91	593721	21.147	ug/l	100
75) 2-Chlorotoluene	12.68	91	352117	20.049	ug/l	98
76) 1,3,5-Trimethylbenzene	12.74	105	427932	20.407	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	37985	17.493	ug/l	98
78) 4-Chlorotoluene	12.78	91	354450	19.692	ug/l	100
79) tert-butylbenzene	13.00	119	364792	20.092	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	423277	20.222	ug/l	99
81) sec-Butylbenzene	13.18	105	495160	20.793	ug/l	100
82) p-Isopropyltoluene	13.30	119	436356	20.348	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	205905	18.920	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	206406	19.056	ug/l	100
85) n-Butylbenzene	13.62	91	394691	19.810	ug/l	99
86) Hexachloroethane	13.88	117	64001	18.477	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	201968	19.005	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.28	75	27585	18.260	ug/l	99
89) 1,2,4-Trichlorobenzene	14.92	180	128541	18.514	ug/l	98
90) Hexachlorobutadiene	15.02	225	64894	19.318	ug/l	96
91) Naphthalene	15.14	128	367789	19.290	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	118705	17.802	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092419\
Data File : VN058348.D
Acq On : 24 Sep 2019 16:09
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
9/25/2019 8:24:19 AM

Quant Time: Sep 25 02:04:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 25 01:36:25 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\VN092419\
Data File : VN058348.D
Acq On : 24 Sep 2019 16:09
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
9/25/2019 8:24:19 AM

Quant Time: Sep 25 02:04:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 25 01:36:25 2019
Response via : Initial Calibration

