

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057023.D
 Acq On : 1 Aug 2019 9:03
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 10:44:50 AM

Quant Time: Aug 02 10:23:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	80488	30.00	ug/l	-0.02
28) 1,4-Difluorobenzene	8.57	114	431389	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	369916	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	155446	29.51	ug/l	-0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.37%
60) 4-Bromofluorobenzene	12.40	95	157978	28.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.97%
63) Toluene-d8	10.08	98	537766	30.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	100655	20.916	ug/l 99
3) Chloromethane	2.06	50	111410	18.972	ug/l 99
4) Vinyl Chloride	2.18	62	106084	18.737	ug/l 99
5) Bromomethane	2.55	94	64536	18.565	ug/l 96
6) Chloroethane	2.69	64	57524	18.317	ug/l 100
7) Trichlorofluoromethane	3.00	101	145165	21.055	ug/l 100
8) Diethyl Ether	3.40	74	51143	19.907	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	89290	20.621	ug/l 87
10) 1,1-Dichloroethene	3.72	96	83377	19.404	ug/l 98
11) Methyl Iodide	3.94	142	116526	18.330	ug/l 100
12) Methyl Acetate	4.31	43	76240	14.498	ug/l 93
13) Acrolein	3.60	56	65133	109.438	ug/l 95
14) Acrylonitrile	4.97	53	178821	88.172	ug/l 98
15) Acetone	3.80	58	74889	142.829	ug/l 92
16) Carbon Disulfide	4.04	76	224300	19.359	ug/l 99
17) Allyl chloride	4.31	41	127294	17.703	ug/l 97
18) Methylene Chloride	4.54	84	96003	19.196	ug/l 96
19) trans-1,2-Dichloroethene	5.02	96	89148	19.604	ug/l 98
20) Diisopropyl ether	5.93	45	269763	18.478	ug/l 99
21) 1,1-Dichloroethane	5.83	63	160880	18.962	ug/l 97
22) cis-1,2-Dichloroethene	6.81	96	101728	19.301	ug/l 98
23) tert-Butyl Alcohol	4.77	59	61795	91.304	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	240111	18.483	ug/l 99
25) Chloroform	7.36	83	162216	19.599	ug/l 96
26) Cyclohexane	7.64	56	149039	19.123	ug/l # 98
29) 1,1-Dichloropropene	7.78	75	122057	19.938	ug/l 98
30) 2-Butanone	6.82	43	254175	103.344	ug/l 100
31) 2,2-Dichloropropane	6.81	77	120041	21.130	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	136350	20.271	ug/l 97
33) Carbon Tetrachloride	7.76	117	117500	20.014	ug/l 95
34) Benzene	8.03	78	373596	19.368	ug/l 99
35) Methacrylonitrile	7.18	41	64785m	26.376	ug/l
36) 1,2-Dichloroethane	8.11	62	118352	19.737	ug/l 99
37) Trichloroethene	8.82	130	104427	20.193	ug/l 99
38) Methylcyclohexane	9.07	83	155448	19.961	ug/l 98
39) 1,2-Dichloropropane	9.11	63	98716	19.173	ug/l 99
40) Dibromomethane	9.20	93	61891	19.595	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057023.D
 Acq On : 1 Aug 2019 9:03
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 10:44:50 AM

Quant Time: Aug 02 10:23:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	118986	19.604	ug/l	99
42) Vinyl Acetate	5.88	43	971494	88.696	ug/l	99
43) Ethyl Acetate	6.91	43	84741	16.807	ug/l	96
44) Isopropyl Acetate	8.15	43	153070	18.213	ug/l #	83
45) 1,4-Dioxane	9.19	88	30175	377.136	ug/l	96
46) Methyl methacrylate	9.19	41	68935	16.441	ug/l	94
47) n-amyl Acetate	12.06	43	105988	15.753	ug/l	99
48) t-1,3-Dichloropropene	10.37	75	117321	18.576	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	141616	19.241	ug/l	98
50) 1,1,2-Trichloroethane	10.55	97	88370	19.487	ug/l	97
51) Ethyl methacrylate	10.42	69	114837	17.507	ug/l	99
52) 1,3-Dichloropropane	10.70	76	146772	19.177	ug/l	99
53) Dibromochloromethane	10.89	129	90482	19.195	ug/l	100
54) 1,2-Dibromoethane	11.00	107	88604	19.152	ug/l	100
55) 2-Chloroethyl vinyl ether	9.68	63	229033	80.623	ug/l	98
56) Bromoform	12.12	173	61824	18.956	ug/l	98
58) 4-Methyl-2-Pentanone	9.97	43	438064	88.246	ug/l	97
59) 2-Hexanone	10.74	43	318633	94.197	ug/l	98
61) Tetrachloroethene	10.62	164	111292	21.467	ug/l	99
62) Toluene	10.15	91	395890	19.678	ug/l	99
64) Chlorobenzene	11.43	112	243103	20.060	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.50	131	91961	20.035	ug/l	99
66) Ethyl Benzene	11.50	91	415271	19.588	ug/l	99
67) m/p-Xylenes	11.62	106	317206	40.124	ug/l	99
68) o-Xylene	11.94	106	152057	19.563	ug/l	100
69) Styrene	11.96	104	241965	19.210	ug/l	99
70) Isopropylbenzene	12.24	105	407008	19.887	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	110875	19.342	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	94042m	18.646	ug/l	
73) Bromobenzene	12.52	156	103174	19.536	ug/l	98
74) n-propylbenzene	12.59	91	431330	19.275	ug/l	99
75) 2-Chlorotoluene	12.67	91	267422	19.711	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	347884	20.191	ug/l	98
77) t-1,4-Dichloro-2-butene	12.29	75	27573	17.412	ug/l	93
78) 4-Chlorotoluene	12.77	91	242120	18.774	ug/l	100
79) tert-butylbenzene	12.99	119	301008	20.246	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	332354	19.788	ug/l	99
81) sec-Butylbenzene	13.17	105	382901	19.726	ug/l	100
82) p-Isopropyltoluene	13.29	119	339837	19.494	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	152750	18.370	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	140350	17.852	ug/l	99
85) n-Butylbenzene	13.61	91	239260	17.479	ug/l	98
86) Hexachloroethane	13.87	117	57430	19.685	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	157479	19.067	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14208	16.021	ug/l	91
89) 1,2,4-Trichlorobenzene	14.91	180	52269	17.204	ug/l	99
90) Hexachlorobutadiene	15.00	225	67533	22.245	ug/l	98
91) Naphthalene	15.12	128	116967	15.692	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	60981	13.966	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
Data File : VN057023.D
Acq On : 1 Aug 2019 9:03
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:50 AM

Quant Time: Aug 02 10:23:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 24 04:19:57 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:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057023.D
 Acq On : 1 Aug 2019 9:03
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 10:44:50 AM

Quant Time: Aug 02 10:23:50 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
 Response via : Initial Calibration

