

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN052919\
 Data File : VN055864.D
 Acq On : 29 May 2019 9:24
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 5/30/2019 9:34:50 AM

Quant Time: May 30 07:04:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	59124	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	317427	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	277306	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	113425	29.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.83%
60) 4-Bromofluorobenzene	12.40	95	121739	28.22	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.07%
63) Toluene-d8	10.09	98	382140	30.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	49281	19.010 ug/l	95
3) Chloromethane	2.06	50	65770	17.837 ug/l	98
4) Vinyl Chloride	2.18	62	71998	19.132 ug/l	99
5) Bromomethane	2.54	94	48503	22.013 ug/l	99
6) Chloroethane	2.69	64	44712	20.338 ug/l	98
7) Trichlorofluoromethane	3.01	101	95832	20.298 ug/l	96
8) Diethyl Ether	3.40	74	42019	20.245 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.74	101	59294	19.876 ug/l	98
10) 1,1-Dichloroethene	3.72	96	60979	19.540 ug/l	95
11) Methyl Iodide	3.94	142	90038	20.224 ug/l	99
12) Methyl Acetate	4.33	43	71968	18.856 ug/l	97
13) Acrolein	3.60	56	46054	86.840 ug/l	99
14) Acrylonitrile	4.99	53	164936	94.785 ug/l	100
15) Acetone	3.82	58	63511	117.522 ug/l	94
16) Carbon Disulfide	4.04	76	158655	17.732 ug/l	100
17) Allyl chloride	4.31	41	100950	17.961 ug/l	95
18) Methylene Chloride	4.54	84	70567	19.744 ug/l	95
19) trans-1,2-Dichloroethene	5.03	96	64922	19.338 ug/l	95
20) Diisopropyl ether	5.95	45	203353	18.650 ug/l	99
21) 1,1-Dichloroethane	5.84	63	117614	19.086 ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	76922	19.646 ug/l	95
23) tert-Butyl Alcohol	4.81	59	69923m	91.496 ug/l	
24) Methyl tert-Butyl Ether	5.05	73	203624	19.230 ug/l	99
25) Chloroform	7.37	83	119522	19.638 ug/l	100
26) Cyclohexane	7.65	56	106430	18.721 ug/l #	95
29) 1,1-Dichloropropene	7.79	75	86394	19.442 ug/l	98
30) 2-Butanone	6.84	43	242374	102.332 ug/l	99
31) 2,2-Dichloropropane	6.82	77	99089	19.162 ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	103363	19.625 ug/l	99
33) Carbon Tetrachloride	7.77	117	89850	19.070 ug/l	99
34) Benzene	8.04	78	277194	20.205 ug/l	100
35) Methacrylonitrile	7.17	41	42197	19.302 ug/l	98
36) 1,2-Dichloroethane	8.12	62	91101	20.320 ug/l	99
37) Trichloroethene	8.83	130	77914	20.355 ug/l	100
38) Methylcyclohexane	9.08	83	110007	19.539 ug/l	98
39) 1,2-Dichloropropane	9.12	63	72630	19.693 ug/l	98
40) Dibromomethane	9.21	93	47481	19.937 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN052919\
 Data File : VN055864.D
 Acq On : 29 May 2019 9:24
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 5/30/2019 9:34:50 AM

Quant Time: May 30 07:04:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	92225	18.895	ug/l	99
42) Vinyl Acetate	5.90	43	869290	94.531	ug/l	99
43) Ethyl Acetate	6.93	43	86685	18.620	ug/l #	100
44) Isopropyl Acetate	8.17	43	145004	18.809	ug/l #	85
45) 1,4-Dioxane	9.21	88	26482	365.133	ug/l	96
46) Methyl methacrylate	9.20	41	66375	18.454	ug/l	97
47) n-amyl Acetate	12.07	43	112653	17.667	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	95582	17.740	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	110329	18.708	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	68527	19.765	ug/l	99
51) Ethyl methacrylate	10.43	69	104847	18.762	ug/l	99
52) 1,3-Dichloropropane	10.71	76	113503	19.861	ug/l	98
53) Dibromochloromethane	10.90	129	75702	18.483	ug/l	99
54) 1,2-Dibromoethane	11.00	107	72111	20.100	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	189991	87.379	ug/l	99
56) Bromoform	12.13	173	56157	16.716	ug/l #	96
58) 4-Methyl-2-Pentanone	9.99	43	433372	94.402	ug/l	98
59) 2-Hexanone	10.75	43	313720	95.590	ug/l	100
61) Tetrachloroethene	10.63	164	78996	21.044	ug/l	96
62) Toluene	10.15	91	307061	20.591	ug/l	100
64) Chlorobenzene	11.43	112	188248	20.810	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	70462	19.333	ug/l	98
66) Ethyl Benzene	11.51	91	327322	20.089	ug/l	99
67) m/p-Xylenes	11.62	106	251970	40.709	ug/l	98
68) o-Xylene	11.95	106	123257	20.124	ug/l	99
69) Styrene	11.96	104	195114	19.308	ug/l	99
70) Isopropylbenzene	12.25	105	327099	20.411	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	96656	19.598	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	84514m	19.910	ug/l	
73) Bromobenzene	12.53	156	82809	19.532	ug/l	96
74) n-propylbenzene	12.59	91	337738	19.541	ug/l	99
75) 2-Chlorotoluene	12.67	91	210373	19.926	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	263309	19.878	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	25839	15.325	ug/l	91
78) 4-Chlorotoluene	12.77	91	192269	19.215	ug/l	97
79) tert-butylbenzene	12.99	119	236650	20.321	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	258593	19.665	ug/l	100
81) sec-Butylbenzene	13.17	105	296977	20.071	ug/l	100
82) p-Isopropyltoluene	13.29	119	267653	19.656	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	128851	19.388	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	118394	18.706	ug/l	98
85) n-Butylbenzene	13.61	91	192708	18.191	ug/l	99
86) Hexachloroethane	13.87	117	47200	17.623	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	132047	19.731	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.26	75	16028	17.147	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	61096	16.913	ug/l	98
90) Hexachlorobutadiene	15.01	225	51497	19.106	ug/l	96
91) Naphthalene	15.13	128	175600	17.791	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	70763	18.743	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN052919\
Data File : VN055864.D
Acq On : 29 May 2019 9:24
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
5/30/2019 9:34:50 AM

Quant Time: May 30 07:04:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 23 05:54:54 2019
Response via : Initial Calibration

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

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

