

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080619\
 Data File : VN057103.D
 Acq On : 6 Aug 2019 15:07
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMdadoda
 8/9/2019 12:51:36 AM

Quant Time: Aug 07 04:22:10 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	71698	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	8.58	114	398652	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	347328	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	145478	31.00	ug/l	-0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.33%
60) 4-Bromofluorobenzene	12.40	95	150360	28.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.27%
63) Toluene-d8	10.08	98	486380	29.64	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	88846	20.726	ug/l 95
3) Chloromethane	2.05	50	99409	19.004	ug/l 96
4) Vinyl Chloride	2.18	62	91525	18.148	ug/l 100
5) Bromomethane	2.51	94	49857m	16.101	ug/l
6) Chloroethane	2.66	64	50978m	18.223	ug/l
7) Trichlorofluoromethane	2.99	101	127702	20.792	ug/l 97
8) Diethyl Ether	3.40	74	46548	20.340	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	75287	19.519	ug/l 97
10) 1,1-Dichloroethene	3.72	96	74330	19.419	ug/l 94
11) Methyl Iodide	3.93	142	96497	17.040	ug/l 99
12) Methyl Acetate	4.31	43	83780	17.885	ug/l # 90
13) Acrolein	3.59	56	54965	103.676	ug/l 99
14) Acrylonitrile	4.97	53	165382	91.543	ug/l 99
15) Acetone	3.81	58	68711	147.112	ug/l 92
16) Carbon Disulfide	4.03	76	173971	16.856	ug/l 99
17) Allyl chloride	4.30	41	113638	17.741	ug/l 96
18) Methylene Chloride	4.53	84	88922	19.960	ug/l 95
19) trans-1,2-Dichloroethene	5.02	96	77004	19.009	ug/l 98
20) Diisopropyl ether	5.94	45	238972	18.376	ug/l 98
21) 1,1-Dichloroethane	5.83	63	143847	19.033	ug/l 97
22) cis-1,2-Dichloroethene	6.82	96	88667	18.886	ug/l 99
23) tert-Butyl Alcohol	4.79	59	53977	89.530	ug/l # 100
24) Methyl tert-Butyl Ether	5.03	73	224531	19.402	ug/l 98
25) Chloroform	7.36	83	143855	19.511	ug/l 100
26) Cyclohexane	7.64	56	127992	18.435	ug/l # 96
29) 1,1-Dichloropropene	7.78	75	100950	17.844	ug/l 99
30) 2-Butanone	6.82	43	237003	104.275	ug/l 99
31) 2,2-Dichloropropane	6.81	77	110139	20.979	ug/l 100
32) 1,1,1-Trichloroethane	7.56	97	119865	19.283	ug/l 98
33) Carbon Tetrachloride	7.76	117	103557	19.088	ug/l 97
34) Benzene	8.03	78	329545	18.488	ug/l 99
35) Methacrylonitrile	7.16	41	34903	15.377	ug/l 91
36) 1,2-Dichloroethane	8.11	62	106049	19.137	ug/l 99
37) Trichloroethene	8.83	130	89916	18.815	ug/l 97
38) Methylcyclohexane	9.07	83	131044	18.210	ug/l 98
39) 1,2-Dichloropropane	9.11	63	85177	17.902	ug/l 98
40) Dibromomethane	9.20	93	55821	19.124	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080619\
 Data File : VN057103.D
 Acq On : 6 Aug 2019 15:07
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020

Manual Integrations
 APPROVED

MMdadoda
 8/9/2019 12:51:36 AM

Quant Time: Aug 07 04:22:10 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	102560	18.285	ug/l	98
42) Vinyl Acetate	5.88	43	898237	88.742	ug/l	99
43) Ethyl Acetate	6.92	43	83403	17.900	ug/l #	92
44) Isopropyl Acetate	8.16	43	167514	21.568	ug/l #	80
45) 1,4-Dioxane	9.19	88	28740	388.699	ug/l	91
46) Methyl methacrylate	9.19	41	66653	17.202	ug/l	96
47) n-amyl Acetate	12.07	43	106720	17.165	ug/l	98
48) t-1,3-Dichloropropene	10.37	75	107845	18.477	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	124744	18.341	ug/l	98
50) 1,1,2-Trichloroethane	10.55	97	79467	18.962	ug/l	98
51) Ethyl methacrylate	10.42	69	110660	18.256	ug/l	97
52) 1,3-Dichloropropane	10.70	76	133760	18.912	ug/l	99
53) Dibromochloromethane	10.90	129	80729	18.532	ug/l	100
54) 1,2-Dibromoethane	11.00	107	80928	18.929	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	170064	64.781	ug/l	98
56) Bromoform	12.12	173	54443	18.064	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	422418	90.628	ug/l	98
59) 2-Hexanone	10.75	43	319477	100.588	ug/l	99
61) Tetrachloroethene	10.63	164	93012	19.108	ug/l	99
62) Toluene	10.15	91	355529	18.821	ug/l	100
64) Chlorobenzene	11.43	112	217986	19.157	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.50	131	82247	19.084	ug/l	99
66) Ethyl Benzene	11.51	91	374428	18.810	ug/l	98
67) m/p-Xylenes	11.62	106	282874	38.108	ug/l	99
68) o-Xylene	11.94	106	139400	19.101	ug/l	97
69) Styrene	11.96	104	218097	18.441	ug/l	99
70) Isopropylbenzene	12.25	105	375158	19.523	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	102082	18.966	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	92538m	19.541	ug/l	
73) Bromobenzene	12.52	156	95249	19.209	ug/l	97
74) n-propylbenzene	12.59	91	371968	17.703	ug/l	98
75) 2-Chlorotoluene	12.67	91	236806	18.590	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	311117	19.232	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	26571	17.871	ug/l	94
78) 4-Chlorotoluene	12.77	91	208996	17.260	ug/l	99
79) tert-butylbenzene	12.99	119	277306	19.864	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	294846	18.696	ug/l	99
81) sec-Butylbenzene	13.17	105	338250	18.559	ug/l	100
82) p-Isopropyltoluene	13.29	119	290677	17.758	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	127761	16.364	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	113397	15.362	ug/l	99
85) n-Butylbenzene	13.61	91	196829	15.314	ug/l	98
86) Hexachloroethane	13.87	117	50858	18.566	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	130263	16.798	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14669	17.617	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	40866	15.665	ug/l	99
90) Hexachlorobutadiene	15.01	225	50524	17.725	ug/l	98
91) Naphthalene	15.12	128	101974	15.120	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	50040	12.206	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080619\
Data File : VN057103.D
Acq On : 6 Aug 2019 15:07
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

MMdadoda
8/9/2019 12:51:36 AM

Quant Time: Aug 07 04:22:10 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

