

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063908.D
 Acq On : 6 Oct 2020 21:06
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:11:57 PM

Quant Time: Oct 07 04:47:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	52961	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	284836	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	262712	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	142972	30.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.20%
60) 4-Bromofluorobenzene	12.38	95	130613	29.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.90%
63) Toluene-d8	10.06	98	361885	30.40	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	68106	19.000 ug/l	97
3) Chloromethane	2.04	50	67386	18.166 ug/l	100
4) Vinyl Chloride	2.17	62	67646	18.331 ug/l	99
5) Bromomethane	2.54	94	35662	15.014 ug/l	99
6) Chloroethane	2.68	64	40161	17.348 ug/l	98
7) Trichlorofluoromethane	2.99	101	106876	18.347 ug/l	96
8) Diethyl Ether	3.38	74	32803	17.391 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	53114	17.547 ug/l #	71
10) 1,1-Dichloroethene	3.70	96	51137	17.994 ug/l	92
11) Methyl Iodide	3.91	142	50404	13.900 ug/l	91
12) Methyl Acetate	4.28	43	59668	17.060 ug/l	96
13) Acrolein	3.57	56	35091	103.075 ug/l	98
14) Acrylonitrile	4.93	53	112992	78.573 ug/l	92
15) Acetone	3.78	58	32102	77.119 ug/l #	61
16) Carbon Disulfide	4.02	76	147636	17.517 ug/l	99
17) Allyl chloride	4.28	41	95604	18.074 ug/l	88
18) Methylene Chloride	4.50	84	60253	17.688 ug/l	91
19) trans-1,2-Dichloroethene	5.00	96	56306	17.540 ug/l	96
20) Diisopropyl ether	5.90	45	183880	17.293 ug/l #	87
21) 1,1-Dichloroethane	5.80	63	114207	17.742 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	64378	17.666 ug/l	96
23) tert-Butyl Alcohol	4.73	59	40849	66.222 ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	166245	17.437 ug/l #	86
25) Chloroform	7.33	83	117758	17.447 ug/l	98
26) Cyclohexane	7.61	56	81520	17.582 ug/l #	96
29) 1,1-Dichloropropene	7.75	75	82174	16.474 ug/l	98
30) 2-Butanone	6.78	43	182006	74.394 ug/l #	91
31) 2,2-Dichloropropane	6.78	77	90614	15.200 ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	108607	17.067 ug/l	96
33) Carbon Tetrachloride	7.73	117	92412	16.575 ug/l	95
34) Benzene	8.00	78	242780	17.119 ug/l	95
35) Methacrylonitrile	7.12	41	38542	16.575 ug/l	92
36) 1,2-Dichloroethane	8.09	62	105829	16.984 ug/l #	93
37) Trichloroethene	8.80	130	64676	17.405 ug/l	97
38) Methylcyclohexane	9.05	83	70275	16.686 ug/l	99
39) 1,2-Dichloropropane	9.08	63	66151	17.166 ug/l	98
40) Dibromomethane	9.17	93	44407	16.500 ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063908.D
 Acq On : 6 Oct 2020 21:06
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:11:57 PM

Quant Time: Oct 07 04:47:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	94187	16.838	ug/l	99
42) Vinyl Acetate	5.85	43	827785	81.525	ug/l	98
43) Ethyl Acetate	6.88	43	82172	15.684	ug/l	94
44) Isopropyl Acetate	8.13	43	137962	15.889	ug/l #	89
45) 1,4-Dioxane	9.16	88	15263	274.179	ug/l	99
46) Methyl methacrylate	9.17	41	68971	15.966	ug/l	85
47) n-amyl Acetate	12.05	43	112674	14.595	ug/l	94
48) t-1,3-Dichloropropene	10.35	75	96531	15.970	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	101976	16.269	ug/l #	82
50) 1,1,2-Trichloroethane	10.53	97	58603	16.307	ug/l	98
51) Ethyl methacrylate	10.40	69	81586	15.651	ug/l #	74
52) 1,3-Dichloropropane	10.68	76	102121	16.589	ug/l	98
53) Dibromochloromethane	10.87	129	66240	16.015	ug/l	97
54) 1,2-Dibromoethane	10.98	107	61502	16.322	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	219273	78.828	ug/l	99
56) Bromoform	12.10	173	45331	15.816	ug/l	94
58) 4-Methyl-2-Pentanone	9.95	43	400573	78.566	ug/l	95
59) 2-Hexanone	10.72	43	284617	74.945	ug/l	94
61) Tetrachloroethene	10.60	164	58055	17.419	ug/l	89
62) Toluene	10.13	91	263251	17.447	ug/l	100
64) Chlorobenzene	11.41	112	159421	17.432	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	61389	17.164	ug/l	98
66) Ethyl Benzene	11.48	91	289294	17.460	ug/l	96
67) m/p-Xylenes	11.60	106	213378	34.631	ug/l	97
68) o-Xylene	11.92	106	99132	16.887	ug/l	93
69) Styrene	11.94	104	167504	16.723	ug/l	95
70) Isopropylbenzene	12.23	105	267610	17.156	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.48	83	82742	16.781	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	79122m	15.737	ug/l	
73) Bromobenzene	12.50	156	66562	16.836	ug/l	89
74) n-propylbenzene	12.57	91	308521	16.919	ug/l	99
75) 2-Chlorotoluene	12.65	91	192685	17.323	ug/l	96
76) 1,3,5-Trimethylbenzene	12.71	105	227280	17.278	ug/l	98
77) t-1,4-Dichloro-2-butene	12.28	75	25124	14.049	ug/l	86
78) 4-Chlorotoluene	12.75	91	197422	16.761	ug/l	100
79) tert-butylbenzene	12.97	119	180486	17.127	ug/l	96
80) 1,2,4-Trimethylbenzene	13.02	105	221703	16.813	ug/l	97
81) sec-Butylbenzene	13.15	105	233357	16.847	ug/l	98
82) p-Isopropyltoluene	13.26	119	206656	16.507	ug/l	96
83) 1,3-Dichlorobenzene	13.26	146	116723	16.600	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	113054	16.186	ug/l	96
85) n-Butylbenzene	13.59	91	170333	15.551	ug/l	98
86) Hexachloroethane	13.85	117	35422	16.417	ug/l	84
87) 1,2-Dichlorobenzene	13.63	146	114550	16.602	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.25	75	16592	14.083	ug/l	94
89) 1,2,4-Trichlorobenzene	14.88	180	53118	15.145	ug/l	98
90) Hexachlorobutadiene	14.98	225	32503	17.498	ug/l	97
91) Naphthalene	15.10	128	157106	14.644	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	52816	15.461	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
Data File : VN063908.D
Acq On : 6 Oct 2020 21:06
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:57 PM

Quant Time: Oct 07 04:47:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 06 16:42:38 2020
Response via : Initial Calibration

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

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

