

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
 Data File : VN064411.D
 Acq On : 2 Nov 2020 13:18
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 11/3/2020 2:20:39 PM

Quant Time: Nov 03 03:34:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 02 15:45:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	62464	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.54	114	347667	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	319195	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	156102	30.61	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.03%
60) 4-Bromofluorobenzene	12.37	95	161760	29.99	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.97%
63) Toluene-d8	10.06	98	428560	30.11	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	90455	22.515	ug/l 96
3) Chloromethane	2.04	50	81338	19.599	ug/l 96
4) Vinyl Chloride	2.16	62	80627	18.830	ug/l 99
5) Bromomethane	2.54	94	50120	17.935	ug/l 95
6) Chloroethane	2.68	64	46434	18.583	ug/l 97
7) Trichlorofluoromethane	2.99	101	132003	18.609	ug/l 94
8) Diethyl Ether	3.38	74	36019	16.551	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	62338	17.657	ug/l 98
10) 1,1-Dichloroethene	3.69	96	57985	17.160	ug/l 93
11) Methyl Iodide	3.91	142	74769	16.484	ug/l 95
12) Methyl Acetate	4.28	43	57745	16.330	ug/l 93
13) Acrolein	3.57	56	19353	56.699	ug/l 95
14) Acrylonitrile	4.93	53	130125	81.789	ug/l 90
15) Acetone	3.77	58	42799	77.637	ug/l 97
16) Carbon Disulfide	4.01	76	166847	17.398	ug/l 99
17) Allyl chloride	4.27	41	99835	16.844	ug/l 99
18) Methylene Chloride	4.50	84	67825	17.347	ug/l 93
19) trans-1,2-Dichloroethene	4.98	96	62950	16.925	ug/l 95
20) Diisopropyl ether	5.90	45	219763	17.327	ug/l 95
21) 1,1-Dichloroethane	5.79	63	120448	16.838	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	74105	16.814	ug/l 98
23) tert-Butyl Alcohol	4.72	59	48816	80.797	ug/l # 100
24) Methyl tert-Butyl Ether	4.98	73	207150	17.130	ug/l # 62
25) Chloroform	7.32	83	130637	17.049	ug/l 90
26) Cyclohexane	7.61	56	94413	16.664	ug/l # 98
29) 1,1-Dichloropropene	7.75	75	95684	17.107	ug/l 86
30) 2-Butanone	6.78	43	196894	77.536	ug/l 99
31) 2,2-Dichloropropane	6.78	77	116406	16.953	ug/l 100
32) 1,1,1-Trichloroethane	7.52	97	125128	17.065	ug/l 99
33) Carbon Tetrachloride	7.73	117	112528	17.036	ug/l 96
34) Benzene	8.00	78	267419	16.874	ug/l 97
35) Methacrylonitrile	7.12	41	41817	16.657	ug/l 92
36) 1,2-Dichloroethane	8.08	62	113187	17.270	ug/l 98
37) Trichloroethene	8.80	130	74042	16.641	ug/l 97
38) Methylcyclohexane	9.05	83	85973	16.946	ug/l 96
39) 1,2-Dichloropropane	9.08	63	69748	17.154	ug/l 97
40) Dibromomethane	9.17	93	49733	16.877	ug/l 98

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

41) Bromodichloromethane	9.37	83	108811	17.481	ug/l	95
42) Vinyl Acetate	5.84	43	888627	82.661	ug/l	100
43) Ethyl Acetate	6.87	43	74397	15.129	ug/l #	78
44) Isopropyl Acetate	8.12	43	143481	16.403	ug/l #	80
45) 1,4-Dioxane	9.16	88	18928	308.370	ug/l	99
46) Methyl methacrylate	9.16	41	73453	17.009	ug/l	89
47) n-amyl Acetate	12.04	43	114833	15.435	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	114054	16.603	ug/l	97
49) cis-1,3-Dichloropropene	9.80	75	117290	16.501	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	65633	16.587	ug/l	90
51) Ethyl methacrylate	10.40	69	88781	15.619	ug/l	95
52) 1,3-Dichloropropane	10.68	76	113315	16.982	ug/l	97
53) Dibromochloromethane	10.87	129	82267	16.926	ug/l	97
54) 1,2-Dibromoethane	10.97	107	69572	16.427	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	217114	71.070	ug/l	99
56) Bromoform	12.10	173	52770	15.394	ug/l #	95
58) 4-Methyl-2-Pentanone	9.95	43	404275	80.018	ug/l	99
59) 2-Hexanone	10.72	43	293161	77.961	ug/l	98
61) Tetrachloroethene	10.60	164	75702	17.495	ug/l	95
62) Toluene	10.12	91	294770	16.487	ug/l	100
64) Chlorobenzene	11.40	112	187638	16.764	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	74302	17.086	ug/l	97
66) Ethyl Benzene	11.48	91	330155	16.735	ug/l	96
67) m/p-Xylenes	11.59	106	245615	33.099	ug/l	99
68) o-Xylene	11.92	106	115974	16.218	ug/l	93
69) Styrene	11.94	104	195113	16.363	ug/l	98
70) Isopropylbenzene	12.22	105	305426	16.509	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	81033	15.751	ug/l	95
72) 1,2,3-Trichloropropane	12.52	75	81381m	14.133	ug/l	
73) Bromobenzene	12.50	156	80967	16.868	ug/l	96
74) n-propylbenzene	12.56	91	338534	16.688	ug/l	99
75) 2-Chlorotoluene	12.65	91	215078	16.737	ug/l	98
76) 1,3,5-Trimethylbenzene	12.70	105	259887	17.053	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	29904	15.792	ug/l	99
78) 4-Chlorotoluene	12.75	91	219054	16.499	ug/l	96
79) tert-butylbenzene	12.96	119	197859	16.233	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	254397	16.476	ug/l	98
81) sec-Butylbenzene	13.14	105	251146	16.335	ug/l	99
82) p-Isopropyltoluene	13.26	119	232215	16.437	ug/l	99
83) 1,3-Dichlorobenzene	13.25	146	130352	15.985	ug/l	100
84) 1,4-Dichlorobenzene	13.33	146	130645	15.905	ug/l	98
85) n-Butylbenzene	13.59	91	187983	16.671	ug/l	98
86) Hexachloroethane	13.85	117	43627	16.468	ug/l	94
87) 1,2-Dichlorobenzene	13.62	146	130043	16.517	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	17181	15.503	ug/l	94
89) 1,2,4-Trichlorobenzene	14.88	180	57806	15.014	ug/l	95
90) Hexachlorobutadiene	14.98	225	32251	15.739	ug/l	97
91) Naphthalene	15.10	128	168846	14.763	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	60380	15.860	ug/l	96

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

