

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110920\
 Data File : VN064504.D
 Acq On : 9 Nov 2020 11:48
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 11/10/2020 1:10:29 PM

Quant Time: Nov 09 12:31:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 09 12:16:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	63379	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	337422	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	316586	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	172150	32.88	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	109.60%
60) 4-Bromofluorobenzene	12.38	95	161008	29.89	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.63%
63) Toluene-d8	10.06	98	452779	31.57	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	105.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	81782	20.054	ug/l 100
3) Chloromethane	2.04	50	90389	20.949	ug/l 100
4) Vinyl Chloride	2.17	62	96589	21.543	ug/l 100
5) Bromomethane	2.54	94	64963	22.095	ug/l 100
6) Chloroethane	2.68	64	61723	23.172	ug/l 100
7) Trichlorofluoromethane	2.99	101	144772	20.070	ug/l 100
8) Diethyl Ether	3.37	74	51215	22.203	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	68793	19.208	ug/l 100
10) 1,1-Dichloroethene	3.69	96	62443	18.285	ug/l 100
11) Methyl Iodide	3.90	142	73013	16.188	ug/l 100
12) Methyl Acetate	4.28	43	77304	21.029	ug/l 100
13) Acrolein	3.57	56	34120	98.034	ug/l 100
14) Acrylonitrile	4.93	53	161589	98.808	ug/l 100
15) Acetone	3.78	58	65543	116.172	ug/l 100
16) Carbon Disulfide	4.00	76	191812	19.514	ug/l 100
17) Allyl chloride	4.27	41	115876	19.104	ug/l 100
18) Methylene Chloride	4.50	84	75083	18.923	ug/l 100
19) trans-1,2-Dichloroethene	4.98	96	69985	18.579	ug/l 100
20) Diisopropyl ether	5.91	45	249138	19.326	ug/l 100
21) 1,1-Dichloroethane	5.79	63	140519	19.315	ug/l 100
22) cis-1,2-Dichloroethene	6.78	96	76533	17.417	ug/l 100
23) tert-Butyl Alcohol	4.74	59	59159	96.670	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	215079	17.769	ug/l 100
25) Chloroform	7.33	83	152507	19.553	ug/l 100
26) Cyclohexane	7.61	56	105808	18.419	ug/l 100
29) 1,1-Dichloropropene	7.75	75	107564	19.496	ug/l 100
30) 2-Butanone	6.79	43	276521	109.564	ug/l 100
31) 2,2-Dichloropropane	6.77	77	128956	19.210	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	132673	18.694	ug/l 100
33) Carbon Tetrachloride	7.73	117	118225	18.513	ug/l 100
34) Benzene	8.00	78	307771	19.743	ug/l 100
35) Methacrylonitrile	7.13	41	44390	18.053	ug/l 100
36) 1,2-Dichloroethane	8.08	62	130326	20.267	ug/l 100
37) Trichloroethene	8.80	130	76375	17.763	ug/l 100
38) Methylcyclohexane	9.05	83	93511	18.855	ug/l 100
39) 1,2-Dichloropropane	9.08	63	83785	20.678	ug/l 100
40) Dibromomethane	9.17	93	56915	19.687	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	123121	20.089	ug/l	100
42) Vinyl Acetate	5.85	43	1033820	97.868	ug/l	100
43) Ethyl Acetate	6.88	43	92103	18.789	ug/l	100
44) Isopropyl Acetate	8.13	43	168654	19.674	ug/l	100
45) 1,4-Dioxane	9.17	88	25263	412.529	ug/l	100
46) Methyl methacrylate	9.16	41	82566	19.492	ug/l	100
47) n-amyl Acetate	12.05	43	140382	19.209	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	124916	18.578	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	131522	18.919	ug/l	100
50) 1,1,2-Trichloroethane	10.53	97	75490	19.486	ug/l	100
51) Ethyl methacrylate	10.40	69	101490	18.275	ug/l	100
52) 1,3-Dichloropropane	10.68	76	128062	19.626	ug/l	100
53) Dibromochloromethane	10.87	129	86038	18.195	ug/l	100
54) 1,2-Dibromoethane	10.98	107	75434	18.380	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	285715	94.443	ug/l	100
56) Bromoform	12.10	173	56135	16.916	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	529671	103.234	ug/l	100
59) 2-Hexanone	10.72	43	401560	105.465	ug/l	100
61) Tetrachloroethene	10.60	164	73176	17.342	ug/l	100
62) Toluene	10.12	91	338120	18.942	ug/l	100
64) Chlorobenzene	11.41	112	199008	18.000	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	78559	18.328	ug/l	100
66) Ethyl Benzene	11.48	91	350364	17.980	ug/l	100
67) m/p-Xylenes	11.60	106	263641	35.944	ug/l	100
68) o-Xylene	11.92	106	123506	17.559	ug/l	100
69) Styrene	11.94	104	206795	17.515	ug/l	100
70) Isopropylbenzene	12.22	105	324914	17.820	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	105308	20.230	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	99711m	18.590	ug/l	100
73) Bromobenzene	12.50	156	78792	16.872	ug/l	100
74) n-propylbenzene	12.57	91	378740	18.703	ug/l	100
75) 2-Chlorotoluene	12.65	91	243548	19.015	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	276611	18.252	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	36075	18.910	ug/l	100
78) 4-Chlorotoluene	12.75	91	253159	19.031	ug/l	100
79) tert-butylbenzene	12.97	119	205946	17.287	ug/l	100
80) 1,2,4-Trimethylbenzene	13.01	105	273277	17.906	ug/l	100
81) sec-Butylbenzene	13.14	105	284032	18.538	ug/l	100
82) p-Isopropyltoluene	13.26	119	250184	17.868	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	137668	17.145	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	135354	16.824	ug/l	100
85) n-Butylbenzene	13.59	91	205775	18.329	ug/l	100
86) Hexachloroethane	13.85	117	50370	18.847	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	134110	17.384	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	21908	19.507	ug/l	100
89) 1,2,4-Trichlorobenzene	14.88	180	54927	14.795	ug/l	100
90) Hexachlorobutadiene	14.98	225	30852	15.620	ug/l	100
91) Naphthalene	15.11	128	174509	15.519	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	57691	15.449	ug/l	100

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

