

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110920\
 Data File : VN064510.D
 Acq On : 9 Nov 2020 16:43
 Operator : JC/MD
 Sample : VN1109WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1109WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/10/2020 1:10:40 PM

Quant Time: Nov 10 03:47:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 09 13:16:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	64626	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	352146	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	326545	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	175596	30.69	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.30%
60) 4-Bromofluorobenzene	12.38	95	166229	29.72	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.07%
63) Toluene-d8	10.06	98	455154	29.89	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	91136	21.056	ug/l 96
3) Chloromethane	2.04	50	100999	20.450	ug/l 100
4) Vinyl Chloride	2.17	62	104760	19.577	ug/l 97
5) Bromomethane	2.54	94	70012	19.991	ug/l 88
6) Chloroethane	2.68	64	68999	20.648	ug/l 97
7) Trichlorofluoromethane	2.99	101	163417	21.089	ug/l 98
8) Diethyl Ether	3.38	74	57434	20.754	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	77204	21.169	ug/l # 79
10) 1,1-Dichloroethene	3.69	96	72047	20.651	ug/l 95
11) Methyl Iodide	3.91	142	84851	19.728	ug/l 99
12) Methyl Acetate	4.29	43	82913	19.493	ug/l 100
13) Acrolein	3.57	56	48721	113.265	ug/l 100
14) Acrylonitrile	4.94	53	182834	96.646	ug/l 99
15) Acetone	3.78	58	56700	90.817	ug/l 93
16) Carbon Disulfide	4.01	76	212791	20.098	ug/l 98
17) Allyl chloride	4.28	41	132044	20.144	ug/l 97
18) Methylene Chloride	4.50	84	82786	19.983	ug/l 97
19) trans-1,2-Dichloroethene	4.99	96	80550	20.372	ug/l 95
20) Diisopropyl ether	5.90	45	287131	20.118	ug/l 96
21) 1,1-Dichloroethane	5.79	63	164730	20.988	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	91257	20.364	ug/l 93
23) tert-Butyl Alcohol	4.75	59	65078	100.465	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	249090	20.186	ug/l # 71
25) Chloroform	7.33	83	171889	20.841	ug/l 99
26) Cyclohexane	7.61	56	120562	19.896	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	121780	19.927	ug/l 97
30) 2-Butanone	6.79	43	275767	91.159	ug/l # 76
31) 2,2-Dichloropropane	6.78	77	147663	20.342	ug/l 98
32) 1,1,1-Trichloroethane	7.53	97	149069	19.887	ug/l 99
33) Carbon Tetrachloride	7.73	117	132772	19.834	ug/l 94
34) Benzene	8.00	78	350836	19.827	ug/l 97
35) Methacrylonitrile	7.12	41	46447m	16.412	ug/l
36) 1,2-Dichloroethane	8.08	62	144960	19.963	ug/l 99
37) Trichloroethene	8.80	130	90824	20.301	ug/l 100
38) Methylcyclohexane	9.05	83	108665	19.659	ug/l 99
39) 1,2-Dichloropropane	9.08	63	95652	20.118	ug/l 100
40) Dibromomethane	9.17	93	64595	20.139	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	135599	19.506	ug/l	100
42) Vinyl Acetate	5.85	43	1172019	96.777	ug/l	100
43) Ethyl Acetate	6.89	43	113640	19.306	ug/l	95
44) Isopropyl Acetate	8.13	43	188344	18.536	ug/l	97
45) 1,4-Dioxane	9.17	88	27098	380.433	ug/l	99
46) Methyl methacrylate	9.17	41	93902	18.582	ug/l	96
47) n-amyl Acetate	12.04	43	158529	18.035	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	139639	18.955	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	148337	19.164	ug/l	100
50) 1,1,2-Trichloroethane	10.53	97	85618	19.470	ug/l	97
51) Ethyl methacrylate	10.40	69	118462	18.799	ug/l	96
52) 1,3-Dichloropropane	10.68	76	148696	19.683	ug/l	100
53) Dibromochloromethane	10.87	129	98096	19.479	ug/l	99
54) 1,2-Dibromoethane	10.98	107	87336	19.417	ug/l	98
55) 2-Chloroethyl vinyl ether	9.67	63	284510	86.275	ug/l	99
56) Bromoform	12.10	173	61634	18.650	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	581789	97.019	ug/l	99
59) 2-Hexanone	10.72	43	417303	92.393	ug/l	97
61) Tetrachloroethene	10.60	164	83618	20.486	ug/l	98
62) Toluene	10.13	91	386707	20.165	ug/l	100
64) Chlorobenzene	11.41	112	227539	19.961	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.48	131	90486	20.306	ug/l	98
66) Ethyl Benzene	11.48	91	413781	19.993	ug/l	99
67) m/p-Xylenes	11.59	106	298965	39.137	ug/l	96
68) o-Xylene	11.92	106	143886	19.904	ug/l	97
69) Styrene	11.94	104	242242	19.567	ug/l	100
70) Isopropylbenzene	12.22	105	377396	19.945	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	115939	19.133	ug/l	96
72) 1,2,3-Trichloropropane	12.53	75	115796m	19.162	ug/l	
73) Bromobenzene	12.50	156	91598	19.569	ug/l	96
74) n-propylbenzene	12.57	91	443992	19.949	ug/l	99
75) 2-Chlorotoluene	12.65	91	280412	20.039	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	319398	19.996	ug/l	98
77) t-1,4-Dichloro-2-butene	12.28	75	40014	18.161	ug/l	93
78) 4-Chlorotoluene	12.75	91	292933	19.922	ug/l	99
79) tert-butylbenzene	12.97	119	248728	19.842	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	324929	20.187	ug/l	98
81) sec-Butylbenzene	13.15	105	333206	20.053	ug/l	99
82) p-Isopropyltoluene	13.26	119	297263	20.025	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	160700	19.516	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	154184	18.826	ug/l	97
85) n-Butylbenzene	13.59	91	250484	19.463	ug/l	98
86) Hexachloroethane	13.85	117	57165	19.325	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	158521	19.766	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	24987	19.087	ug/l	93
89) 1,2,4-Trichlorobenzene	14.88	180	68683	18.862	ug/l	91
90) Hexachlorobutadiene	14.98	225	36253	19.989	ug/l	100
91) Naphthalene	15.10	128	198486	16.477	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	65908	17.885	ug/l	96

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

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