

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
 Data File : VN064421.D
 Acq On : 2 Nov 2020 18:01
 Operator : JC/MD
 Sample : VN1102WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/3/2020 2:20:55 PM

Quant Time: Nov 03 03:20:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 03 02:03:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	53303	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	296335	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	273696	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	137490	31.60	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.33%
60) 4-Bromofluorobenzene	12.37	95	135754	29.35	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.83%
63) Toluene-d8	10.06	98	366501	30.03	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	60825	17.742	ug/l 99
3) Chloromethane	2.04	50	64591	18.239	ug/l 98
4) Vinyl Chloride	2.16	62	68371	18.712	ug/l 100
5) Bromomethane	2.54	94	44736	18.759	ug/l 93
6) Chloroethane	2.68	64	40979	19.218	ug/l 100
7) Trichlorofluoromethane	2.99	101	114819	18.969	ug/l 95
8) Diethyl Ether	3.37	74	32975	17.756	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	54599	18.123	ug/l 98
10) 1,1-Dichloroethene	3.70	96	52473	18.197	ug/l 88
11) Methyl Iodide	3.91	142	63686	16.454	ug/l 100
12) Methyl Acetate	4.28	43	54488	18.057	ug/l 91
13) Acrolein	3.57	56	29828	102.408	ug/l 94
14) Acrylonitrile	4.93	53	129015	95.028	ug/l 98
15) Acetone	3.77	58	34633	73.621	ug/l 92
16) Carbon Disulfide	4.01	76	143936	17.588	ug/l 98
17) Allyl chloride	4.28	41	92498	18.288	ug/l 96
18) Methylene Chloride	4.50	84	59387	17.799	ug/l 95
19) trans-1,2-Dichloroethene	4.99	96	56973	17.951	ug/l 96
20) Diisopropyl ether	5.90	45	203000	18.756	ug/l 98
21) 1,1-Dichloroethane	5.79	63	112938m	18.501	ug/l
22) cis-1,2-Dichloroethene	6.78	96	66942	17.800	ug/l 97
23) tert-Butyl Alcohol	4.73	59	50441	97.835	ug/l # 100
24) Methyl tert-Butyl Ether	4.98	73	189857	18.398	ug/l # 92
25) Chloroform	7.33	83	118755	18.162	ug/l 98
26) Cyclohexane	7.61	56	85444	17.673	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	86764	18.199	ug/l 87
30) 2-Butanone	6.78	43	188583	87.127	ug/l 99
31) 2,2-Dichloropropane	6.77	77	105766	18.071	ug/l 97
32) 1,1,1-Trichloroethane	7.53	97	111610	17.858	ug/l 97
33) Carbon Tetrachloride	7.73	117	100548	17.859	ug/l 98
34) Benzene	8.00	78	244454	18.097	ug/l 98
35) Methacrylonitrile	7.12	41	34465	16.107	ug/l 95
36) 1,2-Dichloroethane	8.08	62	100798	18.044	ug/l 99
37) Trichloroethene	8.80	130	68447	18.049	ug/l 97
38) Methylcyclohexane	9.05	83	73753	17.055	ug/l 96
39) 1,2-Dichloropropane	9.08	63	65341	18.854	ug/l 100
40) Dibromomethane	9.17	93	47316	18.838	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	97342	18.347	ug/l	98
42) Vinyl Acetate	5.84	43	837177	91.365	ug/l	99
43) Ethyl Acetate	6.88	43	81062	19.340	ug/l #	80
44) Isopropyl Acetate	8.12	43	137038	18.380	ug/l #	90
45) 1,4-Dioxane	9.16	88	19214	367.253	ug/l	94
46) Methyl methacrylate	9.16	41	71415	19.402	ug/l	91
47) n-amyl Acetate	12.04	43	110307	17.395	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	101948	17.411	ug/l	97
49) cis-1,3-Dichloropropene	9.80	75	108365	17.886	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	60211	17.853	ug/l	90
51) Ethyl methacrylate	10.40	69	83721	17.281	ug/l	99
52) 1,3-Dichloropropane	10.68	76	103463	18.192	ug/l	98
53) Dibromochloromethane	10.87	129	73634	17.775	ug/l	100
54) 1,2-Dibromoethane	10.97	107	63035	17.461	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	220245	84.583	ug/l	99
56) Bromoform	12.10	173	50489	17.279	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	394497	91.063	ug/l	99
59) 2-Hexanone	10.72	43	280744	87.070	ug/l	99
61) Tetrachloroethene	10.60	164	65219	17.578	ug/l	97
62) Toluene	10.12	91	270267	17.629	ug/l	99
64) Chlorobenzene	11.41	112	168497	17.557	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	67924	18.216	ug/l	98
66) Ethyl Benzene	11.48	91	297178	17.567	ug/l	96
67) m/p-Xylenes	11.59	106	223277	35.091	ug/l	98
68) o-Xylene	11.92	106	106096	17.303	ug/l	96
69) Styrene	11.94	104	179998	17.605	ug/l	97
70) Isopropylbenzene	12.22	105	276986	17.461	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	77720	17.618	ug/l	94
72) 1,2,3-Trichloropropane	12.53	75	82549m	17.923	ug/l	
73) Bromobenzene	12.50	156	71355	17.337	ug/l	96
74) n-propylbenzene	12.56	91	301258	17.319	ug/l	98
75) 2-Chlorotoluene	12.65	91	189349	17.184	ug/l	96
76) 1,3,5-Trimethylbenzene	12.70	105	225908	17.288	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	26887	16.560	ug/l	95
78) 4-Chlorotoluene	12.75	91	193462	16.994	ug/l	98
79) tert-butylbenzene	12.96	119	185910	17.788	ug/l	100
80) 1,2,4-Trimethylbenzene	13.01	105	225016	16.996	ug/l	99
81) sec-Butylbenzene	13.14	105	224963	17.064	ug/l	100
82) p-Isopropyltoluene	13.26	119	201708	16.651	ug/l	99
83) 1,3-Dichlorobenzene	13.25	146	118689	16.974	ug/l	96
84) 1,4-Dichlorobenzene	13.33	146	114145	16.206	ug/l	97
85) n-Butylbenzene	13.59	91	158438	16.386	ug/l	99
86) Hexachloroethane	13.85	117	38011	16.733	ug/l	97
87) 1,2-Dichlorobenzene	13.63	146	115004	17.035	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	16927	17.813	ug/l	93
89) 1,2,4-Trichlorobenzene	14.88	180	50462	15.286	ug/l	98
90) Hexachlorobutadiene	14.98	225	29198	16.618	ug/l	98
91) Naphthalene	15.10	128	145522	14.838	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	51144	15.667	ug/l	99

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

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