

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064295.D
 Acq On : 23 Oct 2020 18:53
 Operator : JC/MD
 Sample : VN1023WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1023WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:39:15 PM

Quant Time: Oct 26 02:40:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 01:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.16	128	45503	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	262316	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	238246	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	124942	31.46	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.87%
60) 4-Bromofluorobenzene	12.38	95	125954	29.70	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.00%
63) Toluene-d8	10.06	98	315447	29.62	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	57046	19.271	ug/l 98
3) Chloromethane	2.04	50	59479	19.025	ug/l 97
4) Vinyl Chloride	2.16	62	57554	18.326	ug/l 98
5) Bromomethane	2.54	94	37419	18.150	ug/l 91
6) Chloroethane	2.68	64	34438	18.698	ug/l 97
7) Trichlorofluoromethane	2.99	101	100693	18.955	ug/l 99
8) Diethyl Ether	3.38	74	30993	17.704	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	47784	18.045	ug/l # 84
10) 1,1-Dichloroethene	3.70	96	47720	18.794	ug/l 99
11) Methyl Iodide	3.92	142	62641	17.218	ug/l 97
12) Methyl Acetate	4.28	43	52014	17.518	ug/l 92
13) Acrolein	3.57	56	18047m	74.070	ug/l
14) Acrylonitrile	4.94	53	106199	92.418	ug/l 98
15) Acetone	3.78	58	31538	85.739	ug/l 90
16) Carbon Disulfide	4.01	76	129996	17.671	ug/l # 93
17) Allyl chloride	4.28	41	93635	19.236	ug/l 93
18) Methylene Chloride	4.51	84	54949	18.510	ug/l # 86
19) trans-1,2-Dichloroethene	4.99	96	52975	18.354	ug/l 99
20) Diisopropyl ether	5.90	45	171073	18.444	ug/l 93
21) 1,1-Dichloroethane	5.80	63	104090	18.816	ug/l 95
22) cis-1,2-Dichloroethene	6.78	96	61933	18.705	ug/l # 90
23) tert-Butyl Alcohol	4.73	59	50121	94.066	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	166157	18.841	ug/l 97
25) Chloroform	7.33	83	110793	18.505	ug/l 95
26) Cyclohexane	7.61	56	77054	17.961	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	79878	17.615	ug/l 98
30) 2-Butanone	6.78	43	179100	89.929	ug/l 99
31) 2,2-Dichloropropane	6.77	77	101748	17.928	ug/l 97
32) 1,1,1-Trichloroethane	7.53	97	105653	18.234	ug/l 95
33) Carbon Tetrachloride	7.73	117	92140	17.751	ug/l 97
34) Benzene	8.00	78	222189	17.929	ug/l 97
35) Methacrylonitrile	7.12	41	32241	16.057	ug/l 98
36) 1,2-Dichloroethane	8.09	62	97986	18.545	ug/l # 91
37) Trichloroethene	8.80	130	62281	18.262	ug/l 94
38) Methylcyclohexane	9.05	83	72717	17.565	ug/l 96
39) 1,2-Dichloropropane	9.08	63	59155	17.856	ug/l 95
40) Dibromomethane	9.17	93	42742	18.440	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	89600	17.825	ug/l	93
42) Vinyl Acetate	5.85	43	790098	89.947	ug/l	99
43) Ethyl Acetate	6.88	43	68963	16.357	ug/l #	92
44) Isopropyl Acetate	8.13	43	138527	18.319	ug/l	98
45) 1,4-Dioxane	9.16	88	17946	388.588	ug/l	89
46) Methyl methacrylate	9.16	41	68229	18.661	ug/l	94
47) n-amyl Acetate	12.05	43	115320	17.675	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	97713	17.413	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	103482	17.756	ug/l	95
50) 1,1,2-Trichloroethane	10.53	97	55895	18.307	ug/l	97
51) Ethyl methacrylate	10.40	69	83692	17.821	ug/l	91
52) 1,3-Dichloropropane	10.68	76	99373	18.407	ug/l	99
53) Dibromochloromethane	10.87	129	66414	17.410	ug/l	92
54) 1,2-Dibromoethane	10.98	107	59135	18.125	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	220533	96.651	ug/l	97
56) Bromoform	12.10	173	45818	16.988	ug/l #	35
58) 4-Methyl-2-Pentanone	9.95	43	379106	92.327	ug/l	99
59) 2-Hexanone	10.72	43	274483	88.165	ug/l	99
61) Tetrachloroethene	10.60	164	59759	17.952	ug/l	95
62) Toluene	10.12	91	241938	17.640	ug/l	100
64) Chlorobenzene	11.41	112	150552	17.696	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	61993	18.242	ug/l	97
66) Ethyl Benzene	11.48	91	278375	17.704	ug/l	97
67) m/p-Xylenes	11.60	106	203998	34.985	ug/l	99
68) o-Xylene	11.92	106	98661	17.425	ug/l	99
69) Styrene	11.94	104	164196	17.417	ug/l	99
70) Isopropylbenzene	12.22	105	267041	17.839	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	72044	17.942	ug/l	95
72) 1,2,3-Trichloropropane	12.53	75	73295m	17.579	ug/l	
73) Bromobenzene	12.50	156	63772	17.513	ug/l	99
74) n-propylbenzene	12.57	91	298280	17.366	ug/l	99
75) 2-Chlorotoluene	12.65	91	188204	17.745	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	221682	17.472	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	28586	17.729	ug/l	94
78) 4-Chlorotoluene	12.75	91	193687	17.516	ug/l	99
79) tert-butylbenzene	12.97	119	182331	17.584	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	225179	17.487	ug/l	99
81) sec-Butylbenzene	13.14	105	233062	17.315	ug/l	98
82) p-Isopropyltoluene	13.26	119	212878	17.234	ug/l	97
83) 1,3-Dichlorobenzene	13.26	146	110271	17.169	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	112867	17.258	ug/l	98
85) n-Butylbenzene	13.59	91	183929	16.922	ug/l	95
86) Hexachloroethane	13.85	117	35926	17.225	ug/l	93
87) 1,2-Dichlorobenzene	13.63	146	111296	17.760	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	17688	18.078	ug/l	96
89) 1,2,4-Trichlorobenzene	14.88	180	59284	16.584	ug/l	92
90) Hexachlorobutadiene	14.98	225	34343	17.544	ug/l	98
91) Naphthalene	15.10	128	183704	17.572	ug/l	97
92) 1,2,3-Trichlorobenzene	15.28	180	58761	17.140	ug/l	96

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

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