

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064261.D
 Acq On : 22 Oct 2020 19:41
 Operator : JC/MD
 Sample : VN1022WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1022WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 3:37:25 PM

Quant Time: Oct 23 01:48:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 22 16:07:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	47469	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	264121	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	238676	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	130037	33.46	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	111.53%#
60) 4-Bromofluorobenzene	12.37	95	124031	29.00	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.67%
63) Toluene-d8	10.06	98	320042	29.62	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	66548	20.434	ug/l 98
3) Chloromethane	2.04	50	67831	20.324	ug/l 99
4) Vinyl Chloride	2.16	62	67423	20.534	ug/l 100
5) Bromomethane	2.54	94	42795	21.785	ug/l 94
6) Chloroethane	2.68	64	40861	21.366	ug/l 100
7) Trichlorofluoromethane	2.99	101	112034	21.255	ug/l 97
8) Diethyl Ether	3.37	74	35116	19.622	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	57249	20.579	ug/l 99
10) 1,1-Dichloroethene	3.70	96	54545	20.138	ug/l 98
11) Methyl Iodide	3.92	142	74754	19.147	ug/l 93
12) Methyl Acetate	4.28	43	68218	23.895	ug/l 100
13) Acrolein	3.57	56	41580	133.202	ug/l # 1
14) Acrylonitrile	4.93	53	121003	105.179	ug/l # 63
15) Acetone	3.77	58	33467	107.744	ug/l 92
16) Carbon Disulfide	4.02	76	145997	18.848	ug/l 100
17) Allyl chloride	4.28	41	104377	20.724	ug/l 91
18) Methylene Chloride	4.50	84	63741	20.575	ug/l 95
19) trans-1,2-Dichloroethene	4.99	96	56320	19.275	ug/l 94
20) Diisopropyl ether	5.90	45	192669	20.700	ug/l # 98
21) 1,1-Dichloroethane	5.80	63	114244	20.105	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	68791m	20.140	ug/l
23) tert-Butyl Alcohol	4.73	59	58605	110.138	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	184558	20.620	ug/l # 77
25) Chloroform	7.33	83	122022	20.668	ug/l 96
26) Cyclohexane	7.61	56	86437	19.185	ug/l # 85
29) 1,1-Dichloropropene	7.75	75	88107	20.086	ug/l 98
30) 2-Butanone	6.78	43	193474	106.962	ug/l 98
31) 2,2-Dichloropropane	6.78	77	107944	19.384	ug/l # 72
32) 1,1,1-Trichloroethane	7.53	97	117582	21.039	ug/l 99
33) Carbon Tetrachloride	7.73	117	103987	20.409	ug/l 93
34) Benzene	8.00	78	245974	20.138	ug/l 98
35) Methacrylonitrile	7.13	41	40971	20.650	ug/l 92
36) 1,2-Dichloroethane	8.09	62	108705	22.004	ug/l # 89
37) Trichloroethene	8.80	130	68464	20.358	ug/l 98
38) Methylcyclohexane	9.05	83	79756	19.012	ug/l 98
39) 1,2-Dichloropropane	9.08	63	67912	20.834	ug/l 93
40) Dibromomethane	9.17	93	46534	20.518	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	101337	20.646	ug/l	96
42) Vinyl Acetate	5.85	43	882444	102.763	ug/l	99
43) Ethyl Acetate	6.88	43	78025	19.751	ug/l	97
44) Isopropyl Acetate	8.13	43	155367	20.486	ug/l #	88
45) 1,4-Dioxane	9.16	88	19100	430.594	ug/l	95
46) Methyl methacrylate	9.16	41	78399	21.786	ug/l	96
47) n-amyl Acetate	12.04	43	128536	19.104	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	109280	19.741	ug/l	95
49) cis-1,3-Dichloropropene	9.81	75	115266	20.153	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	61797	20.339	ug/l	95
51) Ethyl methacrylate	10.40	69	95701	19.918	ug/l	97
52) 1,3-Dichloropropane	10.68	76	109444	20.893	ug/l	99
53) Dibromochloromethane	10.87	129	78213	20.452	ug/l	98
54) 1,2-Dibromoethane	10.98	107	64012	19.820	ug/l	91
55) 2-Chloroethyl vinyl ether	9.66	63	222047	94.033	ug/l	99
56) Bromoform	12.10	173	52567	19.738	ug/l #	97
58) 4-Methyl-2-Pentanone	9.95	43	429261	106.134	ug/l	98
59) 2-Hexanone	10.72	43	313762	104.496	ug/l	98
61) Tetrachloroethene	10.60	164	67037	20.835	ug/l	98
62) Toluene	10.13	91	269562	19.756	ug/l	100
64) Chlorobenzene	11.41	112	171133	20.140	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	68491	20.572	ug/l	97
66) Ethyl Benzene	11.48	91	311235	19.840	ug/l	98
67) m/p-Xylenes	11.59	106	231090	39.609	ug/l	99
68) o-Xylene	11.92	106	109705	19.377	ug/l	99
69) Styrene	11.94	104	182292	19.032	ug/l	98
70) Isopropylbenzene	12.22	105	302612	20.238	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	80411	19.625	ug/l	93
72) 1,2,3-Trichloropropane	12.53	75	80220m	18.761	ug/l	
73) Bromobenzene	12.50	156	72553	20.122	ug/l	96
74) n-propylbenzene	12.57	91	335074	19.635	ug/l	99
75) 2-Chlorotoluene	12.65	91	213595	20.219	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	250420	19.682	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	29537	17.668	ug/l	95
78) 4-Chlorotoluene	12.75	91	222017	20.091	ug/l	100
79) tert-butylbenzene	12.97	119	205302	19.737	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	251009	19.434	ug/l	98
81) sec-Butylbenzene	13.14	105	266707	19.707	ug/l	99
82) p-Isopropyltoluene	13.26	119	241183	19.254	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	123465	19.103	ug/l	97
84) 1,4-Dichlorobenzene	13.33	146	125349	19.372	ug/l	99
85) n-Butylbenzene	13.59	91	209400	18.832	ug/l	98
86) Hexachloroethane	13.85	117	40963	18.996	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	122051	19.364	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	20603	19.853	ug/l	92
89) 1,2,4-Trichlorobenzene	14.88	180	68064	17.983	ug/l	94
90) Hexachlorobutadiene	14.98	225	35985	18.757	ug/l	98
91) Naphthalene	15.10	128	213043	18.569	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	69643	19.240	ug/l	96

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

