

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102620\
 Data File : VN064314.D
 Acq On : 26 Oct 2020 21:02
 Operator : JC/MD
 Sample : VN1026WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1026WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/27/2020 3:42:20 PM

Quant Time: Oct 27 14:25:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 17:44:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	45872	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	259378	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	236621	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	129367	31.35	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.50%
60) 4-Bromofluorobenzene	12.38	95	122328	28.90	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.33%
63) Toluene-d8	10.06	98	319802	30.31	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	76506	20.392 ug/l	91
3) Chloromethane	2.04	50	68600	19.569 ug/l	99
4) Vinyl Chloride	2.16	62	68407	20.015 ug/l	99
5) Bromomethane	2.53	94	43065	20.414 ug/l	99
6) Chloroethane	2.67	64	37056	19.410 ug/l	98
7) Trichlorofluoromethane	2.98	101	105546	20.045 ug/l	90
8) Diethyl Ether	3.37	74	32510	19.274 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	52834	19.698 ug/l	97
10) 1,1-Dichloroethene	3.70	96	51415	19.948 ug/l	99
11) Methyl Iodide	3.91	142	70910	19.213 ug/l	96
12) Methyl Acetate	4.28	43	61671	19.982 ug/l	98
13) Acrolein	3.56	56	17354m	85.135 ug/l	
14) Acrylonitrile	4.93	53	130358	97.106 ug/l	97
15) Acetone	3.78	58	35836	97.046 ug/l	91
16) Carbon Disulfide	4.01	76	141820	18.537 ug/l	98
17) Allyl chloride	4.28	41	89141	18.215 ug/l	99
18) Methylene Chloride	4.51	84	58008m	19.764 ug/l	
19) trans-1,2-Dichloroethene	4.99	96	54317	19.417 ug/l	92
20) Diisopropyl ether	5.90	45	191748	19.357 ug/l	96
21) 1,1-Dichloroethane	5.80	63	109781	19.785 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	62901	19.487 ug/l	97
23) tert-Butyl Alcohol	4.73	59	60545	99.095 ug/l	# 100
24) Methyl tert-Butyl Ether	4.99	73	191769	19.696 ug/l	97
25) Chloroform	7.33	83	114565	20.015 ug/l	92
26) Cyclohexane	7.61	56	86866	19.111 ug/l	# 100
29) 1,1-Dichloropropene	7.75	75	82158	18.399 ug/l	98
30) 2-Butanone	6.78	43	197372	93.807 ug/l	# 98
31) 2,2-Dichloropropane	6.77	77	93934	17.512 ug/l	# 65
32) 1,1,1-Trichloroethane	7.53	97	105551	18.884 ug/l	98
33) Carbon Tetrachloride	7.74	117	95700	18.712 ug/l	98
34) Benzene	8.00	78	224627	18.744 ug/l	94
35) Methacrylonitrile	7.12	41	35104m	15.976 ug/l	
36) 1,2-Dichloroethane	8.09	62	101609	19.088 ug/l	# 92
37) Trichloroethene	8.80	130	61151	18.708 ug/l	89
38) Methylcyclohexane	9.05	83	78108	18.102 ug/l	98
39) 1,2-Dichloropropane	9.08	63	58697	18.143 ug/l	93
40) Dibromomethane	9.17	93	44188	19.679 ug/l	96

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41) Bromodichloromethane	9.37	83	94796	19.546	ug/l	93
42) Vinyl Acetate	5.84	43	848811	94.407	ug/l #	89
43) Ethyl Acetate	6.88	43	89372m	20.839	ug/l	
44) Isopropyl Acetate	8.13	43	148904	18.896	ug/l	98
45) 1,4-Dioxane	9.16	88	21574	354.985	ug/l	91
46) Methyl methacrylate	9.16	41	74473	19.367	ug/l	97
47) n-amyl Acetate	12.04	43	121312	18.285	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	99873	18.258	ug/l	94
49) cis-1,3-Dichloropropene	9.81	75	103810	18.621	ug/l	94
50) 1,1,2-Trichloroethane	10.53	97	55276	18.335	ug/l	92
51) Ethyl methacrylate	10.40	69	87870	18.667	ug/l	98
52) 1,3-Dichloropropane	10.68	76	98041	18.520	ug/l	97
53) Dibromochloromethane	10.87	129	67657	18.375	ug/l	99
54) 1,2-Dibromoethane	10.98	107	60823	18.887	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	230666	98.449	ug/l	98
56) Bromoform	12.10	173	46066	17.451	ug/l #	94
58) 4-Methyl-2-Pentanone	9.95	43	429726	98.163	ug/l	100
59) 2-Hexanone	10.72	43	312817	95.633	ug/l	98
61) Tetrachloroethene	10.60	164	59356	18.810	ug/l	95
62) Toluene	10.13	91	250033	19.184	ug/l	100
64) Chlorobenzene	11.40	112	153767	18.924	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.48	131	60014	18.696	ug/l	97
66) Ethyl Benzene	11.48	91	278552	18.700	ug/l	93
67) m/p-Xylenes	11.60	106	205469	37.559	ug/l	95
68) o-Xylene	11.92	106	98302	18.272	ug/l	97
69) Styrene	11.94	104	162351	18.106	ug/l	99
70) Isopropylbenzene	12.22	105	267912	18.781	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	75262	18.518	ug/l	96
72) 1,2,3-Trichloropropane	12.53	75	79881m	18.456	ug/l	
73) Bromobenzene	12.50	156	63663	18.205	ug/l	96
74) n-propylbenzene	12.57	91	293244	18.036	ug/l	98
75) 2-Chlorotoluene	12.65	91	185155	18.415	ug/l	97
76) 1,3,5-Trimethylbenzene	12.71	105	222863	18.473	ug/l	96
77) t-1,4-Dichloro-2-butene	12.27	75	29959	18.538	ug/l	98
78) 4-Chlorotoluene	12.75	91	191656	18.215	ug/l	99
79) tert-butylbenzene	12.97	119	185941	18.702	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	231187	18.998	ug/l	96
81) sec-Butylbenzene	13.14	105	229836	17.812	ug/l	100
82) p-Isopropyltoluene	13.26	119	213021	18.023	ug/l	97
83) 1,3-Dichlorobenzene	13.26	146	108976	17.940	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	112746	18.483	ug/l	99
85) n-Butylbenzene	13.59	91	180469	17.510	ug/l	97
86) Hexachloroethane	13.85	117	41006	18.604	ug/l	96
87) 1,2-Dichlorobenzene	13.63	146	110613	18.493	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	19773	19.247	ug/l	100
89) 1,2,4-Trichlorobenzene	14.88	180	60375	17.815	ug/l	98
90) Hexachlorobutadiene	14.98	225	31728	17.394	ug/l	95
91) Naphthalene	15.10	128	188067	18.383	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	59734	18.247	ug/l	99

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

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