

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057586.D
 Acq On : 30 Aug 2019 13:53
 Operator : JC/SP
 Sample : VN0830WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 10:01:08 AM

Quant Time: Aug 31 00:25:56 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Sat Aug 31 00:00:09 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	84029	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	501081	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	436023	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	204555	31.59	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.30%
60) 4-Bromofluorobenzene	12.40	95	187292	28.25	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.17%
63) Toluene-d8	10.09	98	612841	30.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.17%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	91149	20.395	ug/l 94
3) Chloromethane	2.06	50	87230	22.060	ug/l 98
4) Vinyl Chloride	2.19	62	134018	21.845	ug/l 97
5) Bromomethane	2.56	94	123789	21.964	ug/l 99
6) Chloroethane	2.70	64	92757	22.337	ug/l 97
7) Trichlorofluoromethane	3.01	101	305043	22.503	ug/l 99
8) Diethyl Ether	3.40	74	98945	22.687	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	182705	22.518	ug/l 94
10) 1,1-Dichloroethene	3.72	96	168599	22.620	ug/l 97
11) Methyl Iodide	3.93	142	283674	22.016	ug/l 98
12) Methyl Acetate	4.32	43	87240	21.708	ug/l 94
13) Acrolein	3.60	56	52453	102.424	ug/l 91
14) Acrylonitrile	4.97	53	168204	106.529	ug/l # 88
15) Acetone	3.81	58	82643	96.976	ug/l 96
16) Carbon Disulfide	4.03	76	156433	20.117	ug/l 96
17) Allyl chloride	4.30	41	110014	20.687	ug/l 93
18) Methylene Chloride	4.53	84	90726	21.187	ug/l 98
19) trans-1,2-Dichloroethene	5.02	96	90770	21.325	ug/l 95
20) Diisopropyl ether	5.94	45	271960	21.415	ug/l 98
21) 1,1-Dichloroethane	5.83	63	170583	21.274	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	115530	20.367	ug/l 98
23) tert-Butyl Alcohol	4.80	59	64146	109.546	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	291611	21.260	ug/l 98
25) Chloroform	7.36	83	203784	20.917	ug/l 99
26) Cyclohexane	7.64	56	140954	21.082	ug/l # 98
29) 1,1-Dichloropropene	7.78	75	134029	19.764	ug/l 99
30) 2-Butanone	6.83	43	227008	103.213	ug/l 99
31) 2,2-Dichloropropane	6.81	77	156344	19.272	ug/l 96
32) 1,1,1-Trichloroethane	7.55	97	177738	19.549	ug/l 98
33) Carbon Tetrachloride	7.76	117	149171	19.337	ug/l 97
34) Benzene	8.03	78	411087	20.220	ug/l 99
35) Methacrylonitrile	7.16	41	39323	18.064	ug/l 94
36) 1,2-Dichloroethane	8.11	62	160504	21.398	ug/l 99
37) Trichloroethene	8.82	130	113367	19.253	ug/l 91
38) Methylcyclohexane	9.07	83	163247	19.764	ug/l 98
39) 1,2-Dichloropropane	9.11	63	105337	21.174	ug/l 99
40) Dibromomethane	9.20	93	76985	20.100	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	155567	19.825	ug/l	96
42) Vinyl Acetate	5.88	43	1074853	109.997	ug/l	100
43) Ethyl Acetate	6.92	43	99770	23.520	ug/l #	87
44) Isopropyl Acetate	8.16	43	179631	21.169	ug/l	99
45) 1,4-Dioxane	9.19	88	30321	415.004	ug/l #	90
46) Methyl methacrylate	9.19	41	83384	21.187	ug/l	97
47) n-amyl Acetate	12.07	43	142365	20.266	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	142912	18.348	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	164478	19.498	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	107454	19.657	ug/l	96
51) Ethyl methacrylate	10.43	69	141836	19.935	ug/l	96
52) 1,3-Dichloropropane	10.71	76	171863	20.177	ug/l	97
53) Dibromochloromethane	10.90	129	111720	18.152	ug/l	99
54) 1,2-Dibromoethane	11.00	107	111898	19.749	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	163607	93.685	ug/l	98
56) Bromoform	12.13	173	70450	17.504	ug/l #	95
58) 4-Methyl-2-Pentanone	9.98	43	524029	118.935	ug/l	99
59) 2-Hexanone	10.75	43	347623	111.586	ug/l	98
61) Tetrachloroethene	10.63	164	114594	20.558	ug/l	97
62) Toluene	10.15	91	478131	21.626	ug/l	99
64) Chlorobenzene	11.43	112	284634	19.992	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	110972	19.641	ug/l	99
66) Ethyl Benzene	11.51	91	518616	21.804	ug/l	99
67) m/p-Xylenes	11.62	106	386455	40.610	ug/l	99
68) o-Xylene	11.95	106	190361	19.910	ug/l	97
69) Styrene	11.96	104	301676	19.907	ug/l	100
70) Isopropylbenzene	12.25	105	522023	21.781	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	134357	21.075	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	119890m	22.153	ug/l	
73) Bromobenzene	12.53	156	119535	19.510	ug/l	98
74) n-propylbenzene	12.59	91	541702	21.925	ug/l	99
75) 2-Chlorotoluene	12.67	91	323723	20.285	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	432972	21.347	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	30725	17.925	ug/l	97
78) 4-Chlorotoluene	12.78	91	301898	19.666	ug/l	97
79) tert-butylbenzene	12.99	119	384179	20.725	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	411331	21.514	ug/l	99
81) sec-Butylbenzene	13.17	105	485187	21.532	ug/l	100
82) p-Isopropyltoluene	13.29	119	420427	21.039	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	184520	18.619	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	168844	17.764	ug/l	97
85) n-Butylbenzene	13.62	91	297329	19.106	ug/l	99
86) Hexachloroethane	13.88	117	70007	18.320	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	180757	18.977	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	19368	20.231	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	48362	13.779	ug/l	97
90) Hexachlorobutadiene	15.01	225	58669	19.434	ug/l	95
91) Naphthalene	15.13	128	149059	15.259	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	51246	14.738	ug/l	95

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

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