

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061020\
 Data File : VN061736.D
 Acq On : 10 Jun 2020 14:49
 Operator : JC/MD
 Sample : VN0610WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0610WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/11/2020 12:44:39 PM

Quant Time: Jun 11 03:14:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N061020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 10 12:28:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	61131	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	326403	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	299456	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	113806	29.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.50%
60) 4-Bromofluorobenzene	12.37	95	129509	29.35	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.83%
63) Toluene-d8	10.06	98	386411	30.38	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.27%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.83	85	50327	19.918	ug/l	97
3) Chloromethane	2.03	50	65673	21.740	ug/l	98
4) Vinyl Chloride	2.16	62	85325	20.240	ug/l	99
5) Bromomethane	2.54	94	58378	21.131	ug/l	94
6) Chloroethane	2.67	64	57435	19.489	ug/l	98
7) Trichlorofluoromethane	2.98	101	122418	20.067	ug/l	100
8) Diethyl Ether	3.37	74	36558	19.211	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	63038	20.204	ug/l	100
10) 1,1-Dichloroethene	3.69	96	61131	19.885	ug/l	95
11) Methyl Iodide	3.91	142	84432	20.154	ug/l	99
12) Methyl Acetate	4.27	43	47080	19.247	ug/l	92
13) Acrolein	3.57	56	25489	77.872	ug/l	98
14) Acrylonitrile	4.93	53	118240	93.656	ug/l #	92
15) Acetone	3.77	58	40379	106.956	ug/l	92
16) Carbon Disulfide	4.00	76	146474	23.005	ug/l	97
17) Allyl chloride	4.27	41	68387	19.529	ug/l	97
18) Methylene Chloride	4.50	84	68601	19.447	ug/l	97
19) trans-1,2-Dichloroethene	4.99	96	66635	19.493	ug/l	98
20) Diisopropyl ether	5.90	45	163554	19.550	ug/l	96
21) 1,1-Dichloroethane	5.80	63	107220	19.276	ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	75883	18.926	ug/l	99
23) tert-Butyl Alcohol	4.73	59	48654	99.657	ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	188612	19.247	ug/l	97
25) Chloroform	7.33	83	122155	19.385	ug/l	95
26) Cyclohexane	7.61	56	86335	20.326	ug/l #	97
29) 1,1-Dichloropropene	7.75	75	87598	19.972	ug/l	99
30) 2-Butanone	6.78	43	151804	99.915	ug/l	99
31) 2,2-Dichloropropane	6.77	77	101464	19.759	ug/l #	74
32) 1,1,1-Trichloroethane	7.53	97	108370	19.351	ug/l	99
33) Carbon Tetrachloride	7.73	117	87706	19.234	ug/l	96
34) Benzene	8.00	78	266408	19.485	ug/l	99
35) Methacrylonitrile	7.12	41	21565	15.283	ug/l #	75
36) 1,2-Dichloroethane	8.09	62	84682	19.164	ug/l	97
37) Trichloroethene	8.80	130	82468	19.338	ug/l	100
38) Methylcyclohexane	9.04	83	99695	20.308	ug/l	99
39) 1,2-Dichloropropane	9.08	63	63169	19.289	ug/l	95
40) Dibromomethane	9.18	93	46903	19.096	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	94703	19.006	ug/l	98
42) Vinyl Acetate	5.84	43	622865	99.383	ug/l	100
43) Ethyl Acetate	6.88	43	64928	21.045	ug/l	98
44) Isopropyl Acetate	8.12	43	105866	18.965	ug/l	98
45) 1,4-Dioxane	9.16	88	23604	413.739	ug/l	98
46) Methyl methacrylate	9.17	41	45308	18.709	ug/l	98
47) n-amyl Acetate	12.04	43	82431	17.427	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	96773	18.623	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	108011	19.014	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	68005	19.053	ug/l	97
51) Ethyl methacrylate	10.40	69	85443	18.425	ug/l	98
52) 1,3-Dichloropropane	10.68	76	108987	19.172	ug/l	97
53) Dibromochloromethane	10.87	129	76282	18.137	ug/l	97
54) 1,2-Dibromoethane	10.98	107	70707	18.909	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	126416	71.719	ug/l	100
56) Bromoform	12.10	173	52334	17.820	ug/l #	97
58) 4-Methyl-2-Pentanone	9.95	43	305098	98.514	ug/l	99
59) 2-Hexanone	10.72	43	223167	99.371	ug/l	98
61) Tetrachloroethene	10.60	164	87671	19.172	ug/l	95
62) Toluene	10.12	91	297288	19.773	ug/l	98
64) Chlorobenzene	11.41	112	188193	19.452	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.48	131	72102	19.552	ug/l	98
66) Ethyl Benzene	11.48	91	325709	19.790	ug/l	98
67) m/p-Xylenes	11.59	106	255094	38.964	ug/l	100
68) o-Xylene	11.92	106	120274	19.450	ug/l	99
69) Styrene	11.94	104	196594	18.768	ug/l	99
70) Isopropylbenzene	12.22	105	319685	19.574	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	84622	19.505	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	78073m	19.089	ug/l	
73) Bromobenzene	12.50	156	82370	18.668	ug/l	100
74) n-propylbenzene	12.56	91	353908	19.170	ug/l	100
75) 2-Chlorotoluene	12.65	91	208607	19.172	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	262160	19.254	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	26215	17.768	ug/l	98
78) 4-Chlorotoluene	12.75	91	216964	19.137	ug/l	100
79) tert-butylbenzene	12.97	119	224895	19.100	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	262733	19.183	ug/l	99
81) sec-Butylbenzene	13.15	105	291606	19.165	ug/l	100
82) p-Isopropyltoluene	13.26	119	266254	18.849	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	144476	18.346	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	142716	18.445	ug/l	98
85) n-Butylbenzene	13.59	91	213117	18.267	ug/l	100
86) Hexachloroethane	13.85	117	35391	18.402	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	140094	18.726	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	14784	18.344	ug/l	99
89) 1,2,4-Trichlorobenzene	14.89	180	74151	16.903	ug/l	98
90) Hexachlorobutadiene	14.99	225	36067	18.963	ug/l	98
91) Naphthalene	15.10	128	202774	16.657	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	75530	17.577	ug/l	99

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

