

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081219\
 Data File : VN057206.D
 Acq On : 12 Aug 2019 10:58
 Operator : JC/SP
 Sample : VN0812WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 9:23:32 AM

Quant Time: Aug 13 02:00:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sun Aug 11 03:53:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.59	128	160402	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.01	114	869943	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.91	117	755440	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.44	65	311920	29.83	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.43%
60) 4-Bromofluorobenzene	11.92	95	317555	28.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.10%
63) Toluene-d8	9.56	98	1060936	30.42	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.82	85	186114	21.272	ug/l 99
3) Chloromethane	2.00	50	203522	20.082	ug/l 100
4) Vinyl Chloride	2.11	62	202341	19.625	ug/l 98
5) Bromomethane	2.44	94	147215	20.044	ug/l 99
6) Chloroethane	2.55	64	134572	20.128	ug/l 95
7) Trichlorofluoromethane	2.83	101	314052	20.428	ug/l 98
8) Diethyl Ether	3.14	74	113058	19.731	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.44	101	189232	20.349	ug/l 99
10) 1,1-Dichloroethene	3.44	96	180990	19.685	ug/l 99
11) Methyl Iodide	3.63	142	281081	19.592	ug/l 99
12) Methyl Acetate	3.89	43	195415	20.403	ug/l 96
13) Acrolein	3.31	56	97493	92.299	ug/l 100
14) Acrylonitrile	4.45	53	396185	99.145	ug/l 99
15) Acetone	3.48	58	113612	85.667	ug/l 80
16) Carbon Disulfide	3.72	76	473884	19.105	ug/l 99
17) Allyl chloride	3.91	41	273256	20.159	ug/l 97
18) Methylene Chloride	4.10	84	205276	19.693	ug/l 99
19) trans-1,2-Dichloroethene	4.51	96	194389	19.721	ug/l 100
20) Diisopropyl ether	5.32	45	561182	20.300	ug/l 95
21) 1,1-Dichloroethane	5.25	63	347535	20.185	ug/l 99
22) cis-1,2-Dichloroethene	6.21	96	225209	20.074	ug/l 100
23) tert-Butyl Alcohol	4.23	59	120078	91.063	ug/l # 100
24) Methyl tert-Butyl Ether	4.49	73	544312	20.132	ug/l 100
25) Chloroform	6.76	83	353346	19.958	ug/l 96
26) Cyclohexane	7.07	56	289546	19.672	ug/l # 96
29) 1,1-Dichloropropene	7.20	75	259921	19.868	ug/l 100
30) 2-Butanone	6.20	43	488564	94.856	ug/l # 97
31) 2,2-Dichloropropane	6.21	77	277806	19.861	ug/l # 77
32) 1,1,1-Trichloroethane	6.98	97	306094	20.203	ug/l 99
33) Carbon Tetrachloride	7.18	117	270413	20.050	ug/l 96
34) Benzene	7.46	78	808593	20.248	ug/l 98
35) Methacrylonitrile	6.54	41	109486	21.033	ug/l 92
36) 1,2-Dichloroethane	7.54	62	258385	20.253	ug/l 99
37) Trichloroethene	8.27	130	230305	20.295	ug/l 98
38) Methylcyclohexane	8.52	83	316843	20.295	ug/l 98
39) 1,2-Dichloropropane	8.56	63	209089	20.313	ug/l 96
40) Dibromomethane	8.65	93	136379	20.580	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	8.85	83	265012	20.112	ug/l	100
42) Vinyl Acetate	5.27	43	2181813	101.896	ug/l	100
43) Ethyl Acetate	6.29	43	178516	18.793	ug/l	95
44) Isopropyl Acetate	7.56	43	374887	21.736	ug/l	100
45) 1,4-Dioxane	8.64	88	61946	384.872	ug/l	97
46) Methyl methacrylate	8.64	41	159185	20.243	ug/l	99
47) n-amyl Acetate	11.59	43	236216	18.616	ug/l	99
48) t-1,3-Dichloropropene	9.86	75	282370	20.097	ug/l	99
49) cis-1,3-Dichloropropene	9.30	75	322975	20.278	ug/l	96
50) 1,1,2-Trichloroethane	10.04	97	197551	20.858	ug/l	97
51) Ethyl methacrylate	9.90	69	272118	20.359	ug/l	95
52) 1,3-Dichloropropane	10.19	76	322207	20.410	ug/l	97
53) Dibromochloromethane	10.39	129	217797	20.408	ug/l	98
54) 1,2-Dibromoethane	10.50	107	205538	20.789	ug/l	97
55) 2-Chloroethyl vinyl ether	9.15	63	327270	86.719	ug/l	100
56) Bromoform	11.64	173	154529	19.594	ug/l	99
58) 4-Methyl-2-Pentanone	9.44	43	1007807	103.847	ug/l	99
59) 2-Hexanone	10.24	43	681520	97.679	ug/l	98
61) Tetrachloroethene	10.11	164	239427	20.650	ug/l	98
62) Toluene	9.63	91	871700	20.272	ug/l	100
64) Chlorobenzene	10.93	112	534587	20.213	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.01	131	204574	20.171	ug/l	99
66) Ethyl Benzene	11.01	91	929014	20.155	ug/l	98
67) m/p-Xylenes	11.13	106	697023	40.100	ug/l	99
68) o-Xylene	11.46	106	338716	20.071	ug/l	100
69) Styrene	11.47	104	528549	19.532	ug/l	100
70) Isopropylbenzene	11.77	105	906733	19.957	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.02	83	255109	20.501	ug/l	99
72) 1,2,3-Trichloropropane	12.08	75	225950m	20.746	ug/l	
73) Bromobenzene	12.05	156	228786	19.419	ug/l	98
74) n-propylbenzene	12.11	91	902387	18.919	ug/l	99
75) 2-Chlorotoluene	12.20	91	579705	19.650	ug/l	99
76) 1,3,5-Trimethylbenzene	12.26	105	755302	19.743	ug/l	87
77) t-1,4-Dichloro-2-butene	11.82	75	69886	19.067	ug/l	95
78) 4-Chlorotoluene	12.30	91	507733	18.531	ug/l	100
79) tert-butylbenzene	12.52	119	673092	19.962	ug/l	99
80) 1,2,4-Trimethylbenzene	12.57	105	700248	19.409	ug/l	99
81) sec-Butylbenzene	12.70	105	809772	19.047	ug/l	99
82) p-Isopropyltoluene	12.82	119	697744	18.431	ug/l	100
83) 1,3-Dichlorobenzene	12.81	146	322828	17.996	ug/l	98
84) 1,4-Dichlorobenzene	12.90	146	292871	17.551	ug/l	99
85) n-Butylbenzene	13.15	91	496074	18.123	ug/l	98
86) Hexachloroethane	13.41	117	132630	19.268	ug/l	98
87) 1,2-Dichlorobenzene	13.19	146	330017	18.550	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.81	75	32845	18.812	ug/l	87
89) 1,2,4-Trichlorobenzene	14.45	180	83930	16.892	ug/l	99
90) Hexachlorobutadiene	14.55	225	145743	19.002	ug/l	98
91) Naphthalene	14.67	128	155194	11.492	ug/l	99
92) 1,2,3-Trichlorobenzene	14.84	180	90187	17.836	ug/l	97

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

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