

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
 Data File : VN052633.D
 Acq On : 3 Dec 2018 16:02
 Operator : MD\SY
 Sample : VN1203WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/4/2018 2:56:58 PM

Quant Time: Dec 04 00:47:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	162276	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	932782	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	813915	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	325710	29.46	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.20%
60) 4-Bromofluorobenzene	12.40	95	368094	29.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.60%
63) Toluene-d8	10.09	98	1113109	29.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	175300	18.967	ug/l 99
3) Chloromethane	2.06	50	227853	18.589	ug/l 97
4) Vinyl Chloride	2.19	62	236333	19.104	ug/l 96
5) Bromomethane	2.58	94	143918	20.403	ug/l 94
6) Chloroethane	2.71	64	142113	19.317	ug/l 99
7) Trichlorofluoromethane	3.02	101	303525	19.880	ug/l 100
8) Diethyl Ether	3.41	74	114482	20.307	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.77	101	186257	19.244	ug/l 95
10) 1,1-Dichloroethene	3.74	96	181880	19.987	ug/l 97
11) Methyl Iodide	3.96	142	268245	21.231	ug/l 100
12) Methyl Acetate	4.33	43	164146	21.229	ug/l 97
13) Acrolein	3.61	56	74923	82.492	ug/l 98
14) Acrylonitrile	4.99	53	343791	104.354	ug/l 97
15) Acetone	3.82	58	85729	100.480	ug/l 98
16) Carbon Disulfide	4.06	76	531393	18.444	ug/l 100
17) Allyl chloride	4.33	41	288311	18.167	ug/l 100
18) Methylene Chloride	4.56	84	207003	19.646	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	194311	19.841	ug/l 95
20) Diisopropyl ether	5.95	45	653809	19.604	ug/l 100
21) 1,1-Dichloroethane	5.85	63	373715	19.660	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	223621	19.924	ug/l 99
23) tert-Butyl Alcohol	4.78	59	60329	123.099	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	506738	21.226	ug/l 97
25) Chloroform	7.37	83	372857	20.332	ug/l 99
26) Cyclohexane	7.66	56	338696	18.892	ug/l # 98
29) 1,1-Dichloropropene	7.80	75	285134	20.017	ug/l 99
30) 2-Butanone	6.84	43	397789	104.363	ug/l 99
31) 2,2-Dichloropropane	6.83	77	260138	19.837	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	301505	20.342	ug/l 98
33) Carbon Tetrachloride	7.78	117	262104	20.210	ug/l 98
34) Benzene	8.04	78	854701	19.957	ug/l 99
35) Methacrylonitrile	7.17	41	78010	16.496	ug/l 97
36) 1,2-Dichloroethane	8.13	62	265629	20.468	ug/l 100
37) Trichloroethene	8.84	130	224042	20.630	ug/l 97
38) Methylcyclohexane	9.08	83	334406	18.964	ug/l 97
39) 1,2-Dichloropropane	9.12	63	227830	19.846	ug/l 98
40) Dibromomethane	9.21	93	131327	21.169	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	277058	20.214	ug/l	97
42) Vinyl Acetate	5.90	43	2088454	101.267	ug/l	98
43) Ethyl Acetate	6.93	43	172049	21.228	ug/l #	69
44) Isopropyl Acetate	8.17	43	317721	22.352	ug/l #	80
45) 1,4-Dioxane	9.20	88	37513	482.403	ug/l	94
46) Methyl methacrylate	9.20	41	157791	21.380	ug/l	99
47) n-amyl Acetate	12.07	43	239179	20.294	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	267763	20.148	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	318902	19.696	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	187483	21.320	ug/l	99
51) Ethyl methacrylate	10.43	69	231191	20.933	ug/l	98
52) 1,3-Dichloropropane	10.71	76	320823	20.497	ug/l	99
53) Dibromochloromethane	10.90	129	199625	20.619	ug/l	98
54) 1,2-Dibromoethane	11.01	107	183642	21.371	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	656128	101.490	ug/l	99
56) Bromoform	12.13	173	131831	20.832	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	860504	109.053	ug/l	99
59) 2-Hexanone	10.75	43	565472	104.907	ug/l	99
61) Tetrachloroethene	10.63	164	211046	21.053	ug/l	99
62) Toluene	10.16	91	913194	20.353	ug/l	100
64) Chlorobenzene	11.44	112	559217	20.419	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	198306	20.861	ug/l	99
66) Ethyl Benzene	11.51	91	973394	20.129	ug/l	99
67) m/p-Xylenes	11.62	106	743184	41.251	ug/l	98
68) o-Xylene	11.95	106	360486	20.615	ug/l	99
69) Styrene	11.97	104	575150	20.378	ug/l	99
70) Isopropylbenzene	12.25	105	958006	20.591	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	223435	22.077	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	175791m	20.234	ug/l	
73) Bromobenzene	12.53	156	234864	20.872	ug/l	97
74) n-propylbenzene	12.59	91	1079486	19.913	ug/l	99
75) 2-Chlorotoluene	12.68	91	637594	20.263	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	773574	20.585	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	56475	20.577	ug/l	98
78) 4-Chlorotoluene	12.78	91	630455	20.064	ug/l	99
79) tert-butylbenzene	12.99	119	685718	20.953	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	774061	20.585	ug/l	99
81) sec-Butylbenzene	13.17	105	923861	20.267	ug/l	99
82) p-Isopropyltoluene	13.29	119	785139	20.227	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	404311	20.429	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	389093	20.349	ug/l	99
85) n-Butylbenzene	13.62	91	635866	19.071	ug/l	99
86) Hexachloroethane	13.88	117	129629	19.710	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	397636	21.114	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31630	22.311	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	193211	20.823	ug/l	99
90) Hexachlorobutadiene	15.01	225	124190	20.403	ug/l	99
91) Naphthalene	15.14	128	408503	21.802	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	186253	21.782	ug/l	98

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

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