

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
 Data File : VN052630.D
 Acq On : 3 Dec 2018 14:42
 Operator : MD\SY
 Sample : VN1203WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/4/2018 2:56:49 PM

Quant Time: Dec 04 00:43:01 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	157617	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	906804	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	801388	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	319877	29.78	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.27%
60) 4-Bromofluorobenzene	12.40	95	364594	29.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.20%
63) Toluene-d8	10.09	98	1094588	29.46	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	172751	19.244	ug/l 99
3) Chloromethane	2.06	50	216780	18.209	ug/l 99
4) Vinyl Chloride	2.19	62	224835	18.712	ug/l 93
5) Bromomethane	2.58	94	141291	20.623	ug/l 97
6) Chloroethane	2.71	64	135920	19.021	ug/l 100
7) Trichlorofluoromethane	3.02	101	295424	19.922	ug/l 100
8) Diethyl Ether	3.41	74	109928	20.076	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	188748	20.078	ug/l 98
10) 1,1-Dichloroethene	3.74	96	173594	19.640	ug/l 99
11) Methyl Iodide	3.96	142	253824	20.683	ug/l 99
12) Methyl Acetate	4.33	43	160495	21.371	ug/l 97
13) Acrolein	3.61	56	70925	80.398	ug/l 100
14) Acrylonitrile	4.99	53	330051	103.144	ug/l 99
15) Acetone	3.82	58	88181	106.409	ug/l 98
16) Carbon Disulfide	4.06	76	507385	18.131	ug/l 98
17) Allyl chloride	4.33	41	296886	19.260	ug/l 97
18) Methylene Chloride	4.55	84	197368	19.285	ug/l 96
19) trans-1,2-Dichloroethene	5.05	96	189532	19.925	ug/l 94
20) Diisopropyl ether	5.95	45	619749	19.132	ug/l 98
21) 1,1-Dichloroethane	5.85	63	360485	19.525	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	217344	19.937	ug/l 98
23) tert-Butyl Alcohol	4.78	59	57164	120.089	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	481679	20.773	ug/l 99
25) Chloroform	7.37	83	353484	19.846	ug/l 100
26) Cyclohexane	7.66	56	328711	18.877	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	271518	19.607	ug/l 99
30) 2-Butanone	6.84	43	390328	105.339	ug/l 99
31) 2,2-Dichloropropane	6.83	77	256371	20.110	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	290324	20.149	ug/l 98
33) Carbon Tetrachloride	7.78	117	252164	20.001	ug/l 97
34) Benzene	8.04	78	825098	19.818	ug/l 100
35) Methacrylonitrile	7.17	41	84854	18.457	ug/l 96
36) 1,2-Dichloroethane	8.13	62	253604	20.101	ug/l 100
37) Trichloroethene	8.84	130	214643	20.331	ug/l 98
38) Methylcyclohexane	9.08	83	333719	19.468	ug/l 98
39) 1,2-Dichloropropane	9.12	63	216527	19.402	ug/l 97
40) Dibromomethane	9.21	93	125458	20.802	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	262769	19.721	ug/l	96
42) Vinyl Acetate	5.90	43	1971756	98.348	ug/l	98
43) Ethyl Acetate	6.93	43	160953	20.427	ug/l #	70
44) Isopropyl Acetate	8.17	43	303163	21.939	ug/l #	84
45) 1,4-Dioxane	9.20	88	36899	488.101	ug/l	93
46) Methyl methacrylate	9.20	41	146471	20.414	ug/l	97
47) n-amyl Acetate	12.07	43	231511	20.206	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	256995	19.892	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	309304	19.650	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	179794	21.031	ug/l	98
51) Ethyl methacrylate	10.43	69	221128	20.595	ug/l	97
52) 1,3-Dichloropropane	10.71	76	308658	20.284	ug/l	99
53) Dibromochloromethane	10.90	129	193267	20.534	ug/l	99
54) 1,2-Dibromoethane	11.01	107	176187	21.091	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	652020	103.744	ug/l	99
56) Bromoform	12.13	173	128930	20.957	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	832868	107.201	ug/l	99
59) 2-Hexanone	10.75	43	564561	106.375	ug/l	99
61) Tetrachloroethene	10.63	164	214959	21.779	ug/l	96
62) Toluene	10.16	91	885009	20.033	ug/l	100
64) Chlorobenzene	11.44	112	536512	19.897	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	189229	20.217	ug/l	99
66) Ethyl Benzene	11.51	91	945597	19.860	ug/l	98
67) m/p-Xylenes	11.62	106	718901	40.527	ug/l	99
68) o-Xylene	11.95	106	351775	20.432	ug/l	98
69) Styrene	11.97	104	561068	20.190	ug/l	100
70) Isopropylbenzene	12.25	105	943466	20.595	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	211613	21.236	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	181790m	21.251	ug/l	
73) Bromobenzene	12.53	156	231460	20.891	ug/l	95
74) n-propylbenzene	12.59	91	1066502	19.981	ug/l	99
75) 2-Chlorotoluene	12.68	91	631952	20.398	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	768315	20.765	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	55048	20.371	ug/l	100
78) 4-Chlorotoluene	12.77	91	618471	19.990	ug/l	100
79) tert-butylbenzene	12.99	119	669664	20.782	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	767489	20.730	ug/l	100
81) sec-Butylbenzene	13.17	105	914957	20.385	ug/l	100
82) p-Isopropyltoluene	13.29	119	788415	20.629	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	404460	20.756	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	389729	20.701	ug/l	98
85) n-Butylbenzene	13.62	91	651907	19.858	ug/l	99
86) Hexachloroethane	13.88	117	128781	19.887	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	395006	21.302	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31085	22.270	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	190708	20.875	ug/l	99
90) Hexachlorobutadiene	15.01	225	131030	21.864	ug/l	98
91) Naphthalene	15.14	128	393785	21.345	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	182275	21.650	ug/l	98

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

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