

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112618\
 Data File : VN052463.D
 Acq On : 26 Nov 2018 17:11
 Operator : MD\SY
 Sample : VN1126WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/27/2018 3:52:14 PM

Quant Time: Nov 27 01:08:31 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	172381	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1008154	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	878598	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	358010	30.48	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.60%
60) 4-Bromofluorobenzene	12.40	95	398484	29.66	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.87%
63) Toluene-d8	10.09	98	1232649	30.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.87%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	192785	19.64	ug/l	100
3) Chloromethane	2.06	50	257140	19.75	ug/l	100
4) Vinyl Chloride	2.19	62	263467	20.05	ug/l	98
5) Bromomethane	2.58	94	158935	21.21	ug/l	97
6) Chloroethane	2.71	64	156243	19.99	ug/l	99
7) Trichlorofluoromethane	3.03	101	320387	19.75	ug/l	99
8) Diethyl Ether	3.42	74	117702	19.65	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	201230	19.57	ug/l	98
10) 1,1-Dichloroethene	3.74	96	189999	19.65	ug/l	100
11) Methyl Iodide	3.96	142	243633	18.15	ug/l	98
12) Methyl Acetate	4.33	43	159753	19.45	ug/l	97
13) Acrolein	3.61	56	90457	93.76	ug/l	99
14) Acrylonitrile	4.99	53	338587	96.75	ug/l	97
15) Acetone	3.82	58	85117	93.91	ug/l	100
16) Carbon Disulfide	4.06	76	577704	18.88	ug/l	100
17) Allyl chloride	4.33	41	319279	18.94	ug/l	98
18) Methylene Chloride	4.56	84	221748	19.81	ug/l	98
19) trans-1,2-Dichloroethene	5.05	96	205101	19.72	ug/l	96
20) Diisopropyl ether	5.95	45	709576	20.03	ug/l	98
21) 1,1-Dichloroethane	5.85	63	403979	20.01	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	238011	19.96	ug/l	99
23) tert-Butyl Alcohol	4.78	59	48889m	93.91	ug/l	
24) Methyl tert-Butyl Ether	5.05	73	511465	20.17	ug/l	98
25) Chloroform	7.37	83	392468	20.15	ug/l	100
26) Cyclohexane	7.65	56	366763	19.26	ug/l #	100
29) 1,1-Dichloropropene	7.80	75	300518	19.52	ug/l	100
30) 2-Butanone	6.84	43	384633	93.37	ug/l	100
31) 2,2-Dichloropropane	6.82	77	268878	18.97	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	315746	19.71	ug/l	98
33) Carbon Tetrachloride	7.78	117	273244	19.49	ug/l	99
34) Benzene	8.04	78	909512	19.65	ug/l	99
35) Methacrylonitrile	7.18	41	97437	19.06	ug/l	94
36) 1,2-Dichloroethane	8.13	62	277210	19.76	ug/l	100
37) Trichloroethene	8.84	130	231794	19.75	ug/l	95
38) Methylcyclohexane	9.08	83	360209	18.90	ug/l	99
39) 1,2-Dichloropropane	9.12	63	242754	19.56	ug/l	98
40) Dibromomethane	9.21	93	133629	19.93	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	285411	19.27	ug/l	99
42) Vinyl Acetate	5.90	43	2163230	97.05	ug/l	99
43) Ethyl Acetate	6.93	43	173854	19.85	ug/l #	70
44) Isopropyl Acetate	8.17	43	303551	19.76	ug/l	98
45) 1,4-Dioxane	9.20	88	32932	391.83	ug/l	99
46) Methyl methacrylate	9.20	41	156173	19.58	ug/l	98
47) n-amyl Acetate	12.07	43	236963	18.60	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	272386	18.96	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	335082	19.15	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	184749	19.44	ug/l	99
51) Ethyl methacrylate	10.43	69	227761	19.08	ug/l	99
52) 1,3-Dichloropropane	10.71	76	332897	19.68	ug/l	100
53) Dibromochloromethane	10.90	129	201786	19.28	ug/l	97
54) 1,2-Dibromoethane	11.01	107	183501	19.76	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	664130	95.05	ug/l	100
56) Bromoform	12.13	173	130611	19.10	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	851464	99.96	ug/l	99
59) 2-Hexanone	10.75	43	556354	95.62	ug/l	99
61) Tetrachloroethene	10.63	164	214088	19.78	ug/l	97
62) Toluene	10.16	91	961142	19.84	ug/l	100
64) Chlorobenzene	11.44	112	578916	19.58	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	204296	19.91	ug/l	98
66) Ethyl Benzene	11.51	91	1030536	19.74	ug/l	99
67) m/p-Xylenes	11.62	106	766420	39.41	ug/l	100
68) o-Xylene	11.95	106	375804	19.91	ug/l	98
69) Styrene	11.97	104	595860	19.56	ug/l	100
70) Isopropylbenzene	12.25	105	997907	19.87	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	219983	20.14	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	177462m	18.92	ug/l	
73) Bromobenzene	12.53	156	240458	19.80	ug/l	97
74) n-propylbenzene	12.59	91	1141314	19.50	ug/l	100
75) 2-Chlorotoluene	12.68	91	675912	19.90	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	803749	19.81	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	52710	17.79	ug/l	95
78) 4-Chlorotoluene	12.78	91	659539	19.44	ug/l	100
79) tert-butylbenzene	12.99	119	705398	19.97	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	812166	20.01	ug/l	99
81) sec-Butylbenzene	13.17	105	963526	19.58	ug/l	99
82) p-Isopropyltoluene	13.29	119	817118	19.50	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	411132	19.24	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	399102	19.34	ug/l	99
85) n-Butylbenzene	13.62	91	664075	18.45	ug/l	99
86) Hexachloroethane	13.88	117	134078	18.89	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	395267	19.44	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29330	19.17	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	180628	18.03	ug/l	99
90) Hexachlorobutadiene	15.01	225	126886	19.31	ug/l	98
91) Naphthalene	15.14	128	358715	17.74	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	166924	18.08	ug/l	100

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

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