

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092818\
 Data File : VN051615.D
 Acq On : 28 Sep 2018 13:23
 Operator : MD\SY
 Sample : VSTDIC010
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 5:27:41 PM

Quant Time: Sep 29 01:05:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 00:34:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	119324	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	654145	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	556995	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	253363	30.49	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.63%
60) 4-Bromofluorobenzene	12.40	95	245031	28.61	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.37%
63) Toluene-d8	10.09	98	802358	30.53	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	108352	10.347	ug/l 98
3) Chloromethane	2.06	50	115197	9.830	ug/l 99
4) Vinyl Chloride	2.18	62	114994	10.003	ug/l 96
5) Bromomethane	2.57	94	53893	9.025	ug/l 99
6) Chloroethane	2.70	64	53936	9.353	ug/l 100
7) Trichlorofluoromethane	3.01	101	139490	9.931	ug/l 96
8) Diethyl Ether	3.41	74	41317	9.365	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	78879	9.935	ug/l 98
10) 1,1-Dichloroethene	3.74	96	68293	9.479	ug/l 94
11) Methyl Iodide	3.95	142	79205	8.540	ug/l 99
12) Methyl Acetate	4.33	43	61250	9.632	ug/l 95
13) Acrolein	3.61	56	29577	42.101	ug/l 96
14) Acrylonitrile	4.99	53	114834	45.094	ug/l 99
15) Acetone	3.82	58	31816	47.651	ug/l 95
16) Carbon Disulfide	4.05	76	218500	9.411	ug/l 100
17) Allyl chloride	4.32	41	118207	9.171	ug/l 97
18) Methylene Chloride	4.55	84	79104	9.550	ug/l 96
19) trans-1,2-Dichloroethene	5.04	96	72552	9.486	ug/l 99
20) Diisopropyl ether	5.95	45	235906	9.226	ug/l 92
21) 1,1-Dichloroethane	5.85	63	144516	9.537	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	78111	9.351	ug/l 99
23) tert-Butyl Alcohol	4.79	59	22348m	46.051	ug/l
24) Methyl tert-Butyl Ether	5.05	73	170703	9.015	ug/l 97
25) Chloroform	7.37	83	138535	9.561	ug/l 98
26) Cyclohexane	7.65	56	114560	8.736	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	99497	8.920	ug/l 98
30) 2-Butanone	6.84	43	138875	45.745	ug/l 98
31) 2,2-Dichloropropane	6.82	77	113922	9.463	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	119785	9.558	ug/l 99
33) Carbon Tetrachloride	7.77	117	106186	9.427	ug/l 97
34) Benzene	8.04	78	312508	9.443	ug/l # 91
35) Methacrylonitrile	7.18	41	29875	8.490	ug/l 97
36) 1,2-Dichloroethane	8.13	62	97502	9.243	ug/l 100
37) Trichloroethene	8.83	130	80132	9.431	ug/l 99
38) Methylcyclohexane	9.08	83	110863	8.613	ug/l 97
39) 1,2-Dichloropropane	9.12	63	84701	9.341	ug/l 95
40) Dibromomethane	9.21	93	46968	9.324	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	102483	9.320	ug/l	98
42) Vinyl Acetate	5.90	43	730649	43.231	ug/l	99
43) Ethyl Acetate	6.93	43	61752	9.610	ug/l	95
44) Isopropyl Acetate	8.16	43	113120	8.991	ug/l	96
45) 1,4-Dioxane	9.21	88	11471m	168.760	ug/l	
46) Methyl methacrylate	9.20	41	48585	8.301	ug/l	95
47) n-amyl Acetate	12.07	43	73365	7.793	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	94534	8.614	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	114231	8.903	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	67382	9.466	ug/l	94
51) Ethyl methacrylate	10.43	69	71650	8.296	ug/l	99
52) 1,3-Dichloropropane	10.71	76	111647	9.147	ug/l	99
53) Dibromochloromethane	10.90	129	73535	9.070	ug/l	98
54) 1,2-Dibromoethane	11.01	107	62034	9.082	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	180324	42.240	ug/l	100
56) Bromoform	12.13	173	46540	8.651	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	296088	46.820	ug/l	98
59) 2-Hexanone	10.75	43	180353	43.351	ug/l	99
61) Tetrachloroethene	10.63	164	74311	9.423	ug/l	99
62) Toluene	10.16	91	321057	9.400	ug/l	100
64) Chlorobenzene	11.43	112	190397	9.220	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	72873	9.242	ug/l	99
66) Ethyl Benzene	11.51	91	305445	8.738	ug/l	100
67) m/p-Xylenes	11.62	106	234583	17.413	ug/l	99
68) o-Xylene	11.95	106	112959	8.784	ug/l	96
69) Styrene	11.97	104	168224	8.334	ug/l	98
70) Isopropylbenzene	12.25	105	300982	8.774	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	77691	9.361	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	66526m	9.729	ug/l	
73) Bromobenzene	12.53	156	76906	9.009	ug/l	97
74) n-propylbenzene	12.59	91	348726	8.733	ug/l	99
75) 2-Chlorotoluene	12.67	91	213054	8.934	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	250105	8.726	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	18434	8.203	ug/l	96
78) 4-Chlorotoluene	12.77	91	205675	8.732	ug/l	99
79) tert-butylbenzene	12.99	119	214134	8.623	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	246969	8.626	ug/l	100
81) sec-Butylbenzene	13.17	105	303750	8.855	ug/l	98
82) p-Isopropyltoluene	13.29	119	249815	8.521	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	128717	8.653	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	116448	8.328	ug/l	100
85) n-Butylbenzene	13.62	91	190414	7.913	ug/l	99
86) Hexachloroethane	13.87	117	53191	9.071	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	128022	8.798	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	10651	8.805	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	41867	6.147	ug/l	98
90) Hexachlorobutadiene	15.01	225	56282	10.136	ug/l	96
91) Naphthalene	15.13	128	67474	5.275	ug/l	97
92) 1,2,3-Trichlorobenzene	15.32	180	46199	6.745	ug/l	99

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

