

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050311.D
 Acq On : 3 Aug 2018 14:24
 Operator : MD\SY
 Sample : J4341-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DSN001-SEWER-OUTLET-001

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 11:38:23 AM

Quant Time: Aug 03 23:48:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.23	128	959	30.00	ug/l	0.04
28) 1,4-Difluorobenzene	8.23	114	142	30.00	ug/l	-0.35
57) Chlorobenzene-d5	11.54	117	786090	30.00	ug/l	0.14

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.19	65	287	4.40	ug/l	0.16
Spiked Amount	30.000	Range	50 - 169	Recovery	=	14.67%#
60) 4-Bromofluorobenzene	12.47	95	341385	28.27	ug/l	0.06
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.23%
63) Toluene-d8	10.38	98	956843	25.48	ug/l	0.29
Spiked Amount	30.000	Range	66 - 137	Recovery	=	84.93%

Target Compounds

						Ovalue
8) Diethyl Ether	3.60	74	101	3.18	ug/l #	3
9) 1,1,2-Trichlorotrifluoroet	3.72	101	110	1.91	ug/l	71
10) 1,1-Dichloroethene	3.76	96	35	0.68	ug/l #	86
11) Methyl Iodide	3.97	142	102	1.36	ug/l #	43
12) Methyl Acetate	3.98	43	1388	23.70	ug/l #	52
13) Acrolein	3.71	56	241	66.58	ug/l	85
14) Acrylonitrile	4.72	53	1332	68.15	ug/l #	40
15) Acetone	3.78	58	86	16.56	ug/l	96
16) Carbon Disulfide	3.64	76	179	1.14	ug/l	95
17) Allyl chloride	4.09	41	4571	56.61	ug/l #	68
18) Methylene Chloride	4.58	84	258	4.37	ug/l #	4
19) trans-1,2-Dichloroethene	5.06	96	40	0.73	ug/l #	1
21) 1,1-Dichloroethane	6.36	63	1014	9.74	ug/l	99
22) cis-1,2-Dichloroethene	6.86	96	651	10.72	ug/l #	1
23) tert-Butyl Alcohol	4.47	59	83225	19057.17	ug/l #	100
24) Methyl tert-Butyl Ether	5.08	73	84	0.60	ug/l #	57
25) Chloroform	7.40	83	741	7.03	ug/l #	21
26) Cyclohexane	7.68	56	42	0.51	ug/l #	44
29) 1,1-Dichloropropene	7.59	75	206	93.48	ug/l	76
30) 2-Butanone	6.64	43	1109	1603.70	ug/l #	14
31) 2,2-Dichloropropane	6.93	77	1138	467.17	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	157	60.53	ug/l #	29
33) Carbon Tetrachloride	7.65	117	400	172.99	ug/l #	69
34) Benzene	8.05	78	135	20.17	ug/l #	1
35) Methacrylonitrile	7.02	41	292	370.86	ug/l #	1
36) 1,2-Dichloroethane	8.13	62	14	6.37	ug/l #	74
38) Methylcyclohexane	9.16	83	17014	7323.47	ug/l #	29
39) 1,2-Dichloropropane	9.16	63	168138	95367.55	ug/l #	46
40) Dibromomethane	9.65	93	188	172.53	ug/l	99
41) Bromodichloromethane	9.80	83	9030	3928.66	ug/l	93
42) Vinyl Acetate	6.27	43	2316	711.71	ug/l	97
43) Ethyl Acetate	6.64	43	1109	767.99	ug/l #	22
44) Isopropyl Acetate	7.94	43	1878	702.06	ug/l	92
45) 1,4-Dioxane	9.16	88	127152	7223491.28	ug/l #	26
46) Methyl methacrylate	9.45	41	174	134.18	ug/l	61
47) n-amyl Acetate	12.30	43	461	221.48	ug/l	92
48) t-1,3-Dichloropropene	10.61	75	744	339.59	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) cis-1,3-Dichloropropene	9.89	75	103	40.01	ug/l #	69
50) 1,1,2-Trichloroethane	10.53	97	60	38.36	ug/l #	21
51) Ethyl methacrylate	10.39	69	4194	2209.20	ug/l	89
52) 1,3-Dichloropropane	10.90	76	294	114.47	ug/l	81
53) Dibromochloromethane	11.08	129	2750	1549.27	ug/l	95
54) 1,2-Dibromoethane	11.18	107	32	20.89	ug/l #	2
55) 2-Chloroethyl vinyl ether	9.59	63	65	75.65	ug/l #	1
56) Bromoform	12.21	173	3141	2506.02	ug/l #	93
80) 1,2,4-Trimethylbenzene	13.09	105	14647	0.39	ug/l	34
88) 1,2-Dibromo-3-Chloropropan	14.28	75	628	0.33	ug/l #	31
89) 1,2,4-Trichlorobenzene	15.32	180	6969	0.72	ug/l	98
91) Naphthalene	15.14	128	44652	9.11	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	6969	0.71	ug/l	98

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

