

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091918\
 Data File : VN051314.D
 Acq On : 19 Sep 2018 13:12
 Operator : MD\SY
 Sample : VN0919WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0919WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/20/2018 1:42:07 PM

Quant Time: Sep 19 16:06:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	103950	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	549954	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	476048	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	185076	27.90	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.00%
60) 4-Bromofluorobenzene	12.40	95	204200	28.85	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.17%
63) Toluene-d8	10.09	98	672005	30.27	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.90%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	107911	16.72	ug/l	100
3) Chloromethane	2.06	50	142413	18.68	ug/l	100
4) Vinyl Chloride	2.18	62	146076	19.39	ug/l	99
5) Bromomethane	2.57	94	82852	18.05	ug/l	99
6) Chloroethane	2.70	64	87370	19.67	ug/l	99
7) Trichlorofluoromethane	3.02	101	199300	19.96	ug/l	97
8) Diethyl Ether	3.41	74	66793	18.97	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	122023	19.73	ug/l	96
10) 1,1-Dichloroethene	3.74	96	111780	19.90	ug/l	98
11) Methyl Iodide	3.95	142	108223	20.65	ug/l	99
12) Methyl Acetate	4.33	43	87851	13.53	ug/l	100
13) Acrolein	3.61	56	31230	217.15	ug/l	100
14) Acrylonitrile	4.99	53	179289	81.64	ug/l	98
15) Acetone	3.82	58	44515	79.22	ug/l	88
16) Carbon Disulfide	4.05	76	326369	19.32	ug/l	100
17) Allyl chloride	4.33	41	159394	18.04	ug/l	96
18) Methylene Chloride	4.55	84	129463	19.64	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	122519	20.47	ug/l	96
20) Diisopropyl ether	5.95	45	349559	19.05	ug/l	96
21) 1,1-Dichloroethane	5.85	63	219326	19.50	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	134653	19.92	ug/l	99
23) tert-Butyl Alcohol	4.79	59	33819	72.41	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	280231	18.24	ug/l	99
25) Chloroform	7.37	83	226592	20.18	ug/l	99
26) Cyclohexane	7.65	56	176882	18.98	ug/l #	97
29) 1,1-Dichloropropene	7.79	75	167445	20.34	ug/l	99
30) 2-Butanone	6.84	43	186686	73.71	ug/l	98
31) 2,2-Dichloropropane	6.82	77	174640	21.80	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	194036	20.78	ug/l	98
33) Carbon Tetrachloride	7.78	117	176967	21.05	ug/l	96
34) Benzene	8.04	78	516177	20.27	ug/l	97
35) Methacrylonitrile	7.18	41	43108	15.53	ug/l	98
36) 1,2-Dichloroethane	8.13	62	155122	20.14	ug/l	100
37) Trichloroethene	8.84	130	139636	20.98	ug/l	94
38) Methylcyclohexane	9.08	83	176309	19.94	ug/l	99
39) 1,2-Dichloropropane	9.12	63	133435	20.06	ug/l	100
40) Dibromomethane	9.21	93	80048	19.98	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	169691	20.09	ug/l	99
42) Vinyl Acetate	5.90	43	1072108	91.90	ug/l	98
43) Ethyl Acetate	6.93	43	86660	16.70	ug/l	97
44) Isopropyl Acetate	8.17	43	164405	17.96	ug/l	100
45) 1,4-Dioxane	9.20	88	22706	333.85	ug/l	97
46) Methyl methacrylate	9.20	41	73743	16.08	ug/l	97
47) n-amyl Acetate	12.07	43	106623	14.48	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	156902	18.95	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	190840	20.06	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	115365	19.81	ug/l	97
51) Ethyl methacrylate	10.43	69	123905	17.39	ug/l	97
52) 1,3-Dichloropropane	10.71	76	186317	19.32	ug/l	99
53) Dibromochloromethane	10.90	129	132703	20.04	ug/l	100
54) 1,2-Dibromoethane	11.01	107	110241	19.15	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	232152	78.32	ug/l	97
56) Bromoform	12.13	173	91010	19.33	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	424578	77.95	ug/l	98
59) 2-Hexanone	10.75	43	258071	72.49	ug/l	99
61) Tetrachloroethene	10.63	164	132590	22.35	ug/l	99
62) Toluene	10.16	91	550544	20.73	ug/l	100
64) Chlorobenzene	11.43	112	347758	21.13	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	134216	21.60	ug/l	99
66) Ethyl Benzene	11.51	91	554733	20.16	ug/l	99
67) m/p-Xylenes	11.62	106	450095	42.52	ug/l	98
68) o-Xylene	11.95	106	217268	21.48	ug/l	97
69) Styrene	11.96	104	333794	20.76	ug/l	99
70) Isopropylbenzene	12.25	105	561059	20.88	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	134689	18.51	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	105949m	16.88	ug/l	
73) Bromobenzene	12.53	156	145003	20.51	ug/l	94
74) n-propylbenzene	12.59	91	608332	20.02	ug/l	97
75) 2-Chlorotoluene	12.67	91	379332	20.55	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	462125	21.04	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	29159	16.30	ug/l	94
78) 4-Chlorotoluene	12.77	91	365209	20.09	ug/l	99
79) tert-butylbenzene	12.99	119	401193	21.03	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	461797	21.09	ug/l	100
81) sec-Butylbenzene	13.17	105	513890	20.59	ug/l	99
82) p-Isopropyltoluene	13.29	119	443304	20.58	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	233794	19.56	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	217022	19.16	ug/l	98
85) n-Butylbenzene	13.62	91	292912	17.82	ug/l	99
86) Hexachloroethane	13.87	117	85621	20.71	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	233889	19.88	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16954	16.65	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	72637	13.87	ug/l	99
90) Hexachlorobutadiene	15.01	225	79002	22.20	ug/l	99
91) Naphthalene	15.13	128	122247	16.04	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	80960	15.40	ug/l	98

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

