

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090618\
 Data File : VN051032.D
 Acq On : 6 Sep 2018 13:49
 Operator : MD\SY
 Sample : VN0906WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0906WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/7/2018 11:23:21 AM

Quant Time: Sep 07 01:44:33 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	121420	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	577564	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	512645	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	230348	29.73	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.10%
60) 4-Bromofluorobenzene	12.40	95	231198	30.33	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.10%
63) Toluene-d8	10.09	98	717770	30.02	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.07%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	105234	13.96	ug/l	98
3) Chloromethane	2.06	50	133423	14.98	ug/l	97
4) Vinyl Chloride	2.18	62	127234	14.46	ug/l	100
5) Bromomethane	2.56	94	98298	18.33	ug/l	99
6) Chloroethane	2.69	64	81122	15.63	ug/l	95
7) Trichlorofluoromethane	3.01	101	177996	15.26	ug/l	99
8) Diethyl Ether	3.41	74	82289	20.01	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	115973	16.06	ug/l	99
10) 1,1-Dichloroethene	3.73	96	100563	15.33	ug/l	97
11) Methyl Iodide	3.95	142	86893	14.19	ug/l	98
12) Methyl Acetate	4.33	43	199417	26.29	ug/l	99
13) Acrolein	3.61	56	39134	232.95	ug/l	99
14) Acrylonitrile	5.00	53	269052	104.89	ug/l	97
15) Acetone	3.82	58	72236	110.05	ug/l	89
16) Carbon Disulfide	4.05	76	266580	13.51	ug/l	100
17) Allyl chloride	4.32	41	169204	16.39	ug/l	98
18) Methylene Chloride	4.55	84	138205	17.95	ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	113170	16.19	ug/l	96
20) Diisopropyl ether	5.96	45	404538	18.88	ug/l	99
21) 1,1-Dichloroethane	5.85	63	226629	17.25	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	136119	17.24	ug/l	99
23) tert-Butyl Alcohol	4.80	59	66583	122.06	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	367240	20.47	ug/l #	81
25) Chloroform	7.37	83	237513	18.11	ug/l	100
26) Cyclohexane	7.65	56	155361	14.27	ug/l #	99
29) 1,1-Dichloropropene	7.79	75	149082	17.24	ug/l	97
30) 2-Butanone	6.84	43	309059	116.19	ug/l	98
31) 2,2-Dichloropropane	6.83	77	160892	19.12	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	182043	18.57	ug/l	99
33) Carbon Tetrachloride	7.77	117	152453	17.27	ug/l	98
34) Benzene	8.04	78	510068	19.07	ug/l	99
35) Methacrylonitrile	7.18	41	57230	19.64	ug/l	98
36) 1,2-Dichloroethane	8.13	62	175646	21.71	ug/l	99
37) Trichloroethene	8.84	130	128327	18.35	ug/l	98
38) Methylcyclohexane	9.08	83	147480	15.88	ug/l	99
39) 1,2-Dichloropropane	9.12	63	145028	20.76	ug/l	96
40) Dibromomethane	9.21	93	92996	22.10	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	182661	20.59	ug/l	99
42) Vinyl Acetate	5.90	43	1277518	104.27	ug/l	100
43) Ethyl Acetate	6.93	43	130840	24.01	ug/l	99
44) Isopropyl Acetate	8.17	43	236996	24.65	ug/l	100
45) 1,4-Dioxane	9.21	88	35784	500.98	ug/l	96
46) Methyl methacrylate	9.20	41	112887	23.44	ug/l	96
47) n-amyl Acetate	12.07	43	187980	24.32	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	178598	20.54	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	205920	20.61	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	137037	22.41	ug/l	99
51) Ethyl methacrylate	10.43	69	164031	21.93	ug/l	99
52) 1,3-Dichloropropane	10.71	76	219561	21.68	ug/l	99
53) Dibromochloromethane	10.90	129	147013	21.14	ug/l	99
54) 1,2-Dibromoethane	11.01	107	130323	21.55	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	297660	95.62	ug/l	99
56) Bromoform	12.13	173	108296	21.90	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	723563	123.36	ug/l	99
59) 2-Hexanone	10.75	43	472556	123.26	ug/l	100
61) Tetrachloroethene	10.63	164	115997	18.16	ug/l	99
62) Toluene	10.16	91	536871	18.77	ug/l	99
64) Chlorobenzene	11.44	112	336575	18.99	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	136598	20.41	ug/l	99
66) Ethyl Benzene	11.51	91	519558	17.54	ug/l	99
67) m/p-Xylenes	11.62	106	415266	36.43	ug/l	99
68) o-Xylene	11.95	106	203697	18.70	ug/l	99
69) Styrene	11.97	104	328009	18.94	ug/l	100
70) Isopropylbenzene	12.25	105	529165	18.28	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	179642	22.93	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	146517m	21.67	ug/l	
73) Bromobenzene	12.53	156	150100	19.71	ug/l	98
74) n-propylbenzene	12.59	91	581097	17.76	ug/l	99
75) 2-Chlorotoluene	12.68	91	370793	18.65	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	432319	18.28	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	44357	23.03	ug/l	98
78) 4-Chlorotoluene	12.77	91	362982	18.55	ug/l	99
79) tert-butylbenzene	12.99	119	356206	17.34	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	442848	18.78	ug/l	99
81) sec-Butylbenzene	13.17	105	481249	17.91	ug/l	99
82) p-Isopropyltoluene	13.29	119	417139	17.98	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	244496	18.99	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	229393	18.81	ug/l	99
85) n-Butylbenzene	13.62	91	309172	17.47	ug/l	100
86) Hexachloroethane	13.88	117	79379	17.83	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	245565	19.38	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	25758	23.50	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	90334	16.01	ug/l	100
90) Hexachlorobutadiene	15.01	225	70088	18.29	ug/l	98
91) Naphthalene	15.14	128	190726	19.39	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	88988	15.72	ug/l	97

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

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