

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090718\
 Data File : VN051046.D
 Acq On : 7 Sep 2018 10:50
 Operator : MD\SY
 Sample : VN0907WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2018 11:53:13 AM

Quant Time: Sep 07 17:05:01 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	134604	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	704159	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	625931	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	251269	29.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.50%
60) 4-Bromofluorobenzene	12.40	95	283936	30.51	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.70%
63) Toluene-d8	10.09	98	880318	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	136198	16.29	ug/l	99
3) Chloromethane	2.06	50	163651	16.58	ug/l	100
4) Vinyl Chloride	2.18	62	161441	16.55	ug/l	98
5) Bromomethane	2.55	94	127577	21.46	ug/l	95
6) Chloroethane	2.70	64	97014	16.86	ug/l	100
7) Trichlorofluoromethane	3.01	101	223096	17.25	ug/l	98
8) Diethyl Ether	3.41	74	80497	17.66	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	137187	17.13	ug/l	97
10) 1,1-Dichloroethene	3.73	96	123199	16.94	ug/l	98
11) Methyl Iodide	3.95	142	86300	12.72	ug/l	99
12) Methyl Acetate	4.33	43	189207	22.50	ug/l	99
13) Acrolein	3.61	56	35161	188.80	ug/l	98
14) Acrylonitrile	4.99	53	257440	90.53	ug/l	98
15) Acetone	3.82	58	66150	90.91	ug/l	89
16) Carbon Disulfide	4.05	76	340015	15.55	ug/l	99
17) Allyl chloride	4.32	41	187451	16.38	ug/l	99
18) Methylene Chloride	4.55	84	151576	17.76	ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	129196	16.67	ug/l	100
20) Diisopropyl ether	5.96	45	424770	17.88	ug/l	98
21) 1,1-Dichloroethane	5.85	63	256321	17.60	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	149566	17.09	ug/l	99
23) tert-Butyl Alcohol	4.79	59	58591	96.89	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	358238	18.01	ug/l	100
25) Chloroform	7.37	83	261257	17.97	ug/l	98
26) Cyclohexane	7.65	56	191426	15.86	ug/l	# 100
29) 1,1-Dichloropropene	7.79	75	181769	17.24	ug/l	99
30) 2-Butanone	6.84	43	288014	88.81	ug/l	100
31) 2,2-Dichloropropane	6.83	77	185185	18.05	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	219846	18.39	ug/l	98
33) Carbon Tetrachloride	7.77	117	191900	17.83	ug/l	99
34) Benzene	8.04	78	581355	17.83	ug/l	98
35) Methacrylonitrile	7.18	41	61266	17.24	ug/l	95
36) 1,2-Dichloroethane	8.13	62	181925	18.45	ug/l	100
37) Trichloroethene	8.84	130	150094	17.61	ug/l	99
38) Methylcyclohexane	9.08	83	178581	15.77	ug/l	98
39) 1,2-Dichloropropane	9.12	63	154094	18.09	ug/l	98
40) Dibromomethane	9.21	93	95350	18.58	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	196706	18.19	ug/l	97
42) Vinyl Acetate	5.90	43	1244247	83.30	ug/l	99
43) Ethyl Acetate	6.93	43	124847	18.79	ug/l	100
44) Isopropyl Acetate	8.17	43	212745	18.15	ug/l	100
45) 1,4-Dioxane	9.20	88	35354	405.98	ug/l	97
46) Methyl methacrylate	9.20	41	105936	18.04	ug/l	97
47) n-amyl Acetate	12.07	43	165907	17.60	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	186660	17.61	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	216941	17.81	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	139004	18.65	ug/l	99
51) Ethyl methacrylate	10.43	69	159346	17.47	ug/l	98
52) 1,3-Dichloropropane	10.71	76	228202	18.48	ug/l	99
53) Dibromochloromethane	10.90	129	155959	18.40	ug/l	100
54) 1,2-Dibromoethane	11.01	107	135669	18.40	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	294857	77.69	ug/l	99
56) Bromoform	12.13	173	111750	18.54	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	649852	90.74	ug/l	99
59) 2-Hexanone	10.75	43	424710	90.73	ug/l	99
61) Tetrachloroethene	10.63	164	140913	18.07	ug/l	98
62) Toluene	10.16	91	633862	18.15	ug/l	99
64) Chlorobenzene	11.43	112	392489	18.14	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	152065	18.61	ug/l	99
66) Ethyl Benzene	11.51	91	632111	17.48	ug/l	100
67) m/p-Xylenes	11.62	106	500756	35.98	ug/l	100
68) o-Xylene	11.95	106	241426	18.16	ug/l	98
69) Styrene	11.96	104	381015	18.02	ug/l	99
70) Isopropylbenzene	12.25	105	634937	17.97	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.51	83	185657	19.41	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	149048m	18.06	ug/l	
73) Bromobenzene	12.53	156	170702	18.36	ug/l	100
74) n-propylbenzene	12.59	91	710832	17.79	ug/l	100
75) 2-Chlorotoluene	12.68	91	444305	18.31	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	532003	18.42	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	41251	17.54	ug/l	94
78) 4-Chlorotoluene	12.77	91	436642	18.27	ug/l	100
79) tert-butylbenzene	12.99	119	460640	18.37	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	535862	18.61	ug/l	99
81) sec-Butylbenzene	13.17	105	594729	18.13	ug/l	99
82) p-Isopropyltoluene	13.29	119	514363	18.16	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	284912	18.13	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	266783	17.91	ug/l	98
85) n-Butylbenzene	13.62	91	370153	17.13	ug/l	100
86) Hexachloroethane	13.87	117	100386	18.47	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	287225	18.56	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	25872	19.33	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	108770	15.79	ug/l	98
90) Hexachlorobutadiene	15.01	225	92527	19.77	ug/l	98
91) Naphthalene	15.13	128	211415	18.40	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	114383	16.55	ug/l	98

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

