

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051181.D
 Acq On : 14 Sep 2018 11:30
 Operator : MD\SY
 Sample : VN0914WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0914WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 1:39:42 PM

Quant Time: Sep 14 15:32:49 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	108051	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	589474	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	507467	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	203591	29.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.43%
60) 4-Bromofluorobenzene	12.40	95	216367	28.67	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.57%
63) Toluene-d8	10.09	98	729358	30.82	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.73%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	94982	14.15	ug/l	99
3) Chloromethane	2.06	50	127107	16.04	ug/l	98
4) Vinyl Chloride	2.18	62	132410	16.91	ug/l	100
5) Bromomethane	2.57	94	74727	15.66	ug/l	98
6) Chloroethane	2.70	64	81913	17.74	ug/l	96
7) Trichlorofluoromethane	3.01	101	188329	18.15	ug/l	98
8) Diethyl Ether	3.41	74	66046	18.05	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	118521	18.44	ug/l	98
10) 1,1-Dichloroethene	3.74	96	105061	17.99	ug/l	100
11) Methyl Iodide	3.95	142	83162	15.27	ug/l	99
12) Methyl Acetate	4.33	43	93674	13.88	ug/l	98
13) Acrolein	3.61	56	30685	205.26	ug/l	98
14) Acrylonitrile	4.99	53	186148	81.55	ug/l	96
15) Acetone	3.82	58	46090	78.91	ug/l	94
16) Carbon Disulfide	4.05	76	303130	17.27	ug/l	100
17) Allyl chloride	4.32	41	158186	17.22	ug/l	99
18) Methylene Chloride	4.55	84	130235	19.00	ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	115786	18.61	ug/l	95
20) Diisopropyl ether	5.96	45	358094	18.78	ug/l	98
21) 1,1-Dichloroethane	5.85	63	220942	18.90	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	130208	18.53	ug/l	98
23) tert-Butyl Alcohol	4.79	59	36304	74.79	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	284606	17.82	ug/l	99
25) Chloroform	7.37	83	226395	19.40	ug/l	99
26) Cyclohexane	7.65	56	172199	17.78	ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	164191	18.61	ug/l	98
30) 2-Butanone	6.84	43	198218	73.01	ug/l	99
31) 2,2-Dichloropropane	6.83	77	166503	19.39	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	189349	18.92	ug/l	99
33) Carbon Tetrachloride	7.77	117	169089	18.76	ug/l	95
34) Benzene	8.04	78	507143	18.58	ug/l	99
35) Methacrylonitrile	7.17	41	52671	17.71	ug/l	96
36) 1,2-Dichloroethane	8.13	62	152239	18.44	ug/l	100
37) Trichloroethene	8.84	130	135032	18.92	ug/l	95
38) Methylcyclohexane	9.08	83	166512	17.57	ug/l	99
39) 1,2-Dichloropropane	9.12	63	133690	18.75	ug/l	100
40) Dibromomethane	9.21	93	77095	17.95	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	169895	18.76	ug/l	97
42) Vinyl Acetate	5.90	43	1093542	87.45	ug/l	99
43) Ethyl Acetate	6.93	43	86890	15.62	ug/l	98
44) Isopropyl Acetate	8.17	43	163480	16.66	ug/l	98
45) 1,4-Dioxane	9.20	88	22599	310.00	ug/l	99
46) Methyl methacrylate	9.20	41	75022	15.26	ug/l	98
47) n-amyl Acetate	12.07	43	108489	13.75	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	152501	17.18	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	185007	18.15	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	116314	18.64	ug/l	98
51) Ethyl methacrylate	10.43	69	122566	16.05	ug/l	97
52) 1,3-Dichloropropane	10.71	76	186020	18.00	ug/l	100
53) Dibromochloromethane	10.90	129	130162	18.34	ug/l	97
54) 1,2-Dibromoethane	11.01	107	106638	17.28	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	225650	71.02	ug/l	99
56) Bromoform	12.13	173	85712	16.98	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	448816	77.30	ug/l	99
59) 2-Hexanone	10.75	43	266209	70.14	ug/l	100
61) Tetrachloroethene	10.63	164	123130	19.47	ug/l	98
62) Toluene	10.16	91	543537	19.20	ug/l	100
64) Chlorobenzene	11.43	112	330781	18.85	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	131841	19.90	ug/l	100
66) Ethyl Benzene	11.51	91	534963	18.24	ug/l	100
67) m/p-Xylenes	11.62	106	425143	37.68	ug/l	99
68) o-Xylene	11.95	106	204763	18.99	ug/l	99
69) Styrene	11.96	104	314269	18.33	ug/l	99
70) Isopropylbenzene	12.25	105	541185	18.89	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	133678	17.23	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	99614m	14.89	ug/l	
73) Bromobenzene	12.53	156	135665	18.00	ug/l	95
74) n-propylbenzene	12.59	91	574811	17.75	ug/l	99
75) 2-Chlorotoluene	12.67	91	363194	18.46	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	438149	18.72	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	27622	14.49	ug/l	96
78) 4-Chlorotoluene	12.77	91	339623	17.53	ug/l	99
79) tert-butylbenzene	12.99	119	378064	18.59	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	428926	18.38	ug/l	99
81) sec-Butylbenzene	13.17	105	483509	18.18	ug/l	99
82) p-Isopropyltoluene	13.29	119	407756	17.76	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	218997	17.18	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	204347	16.92	ug/l	99
85) n-Butylbenzene	13.62	91	272310	15.54	ug/l	100
86) Hexachloroethane	13.87	117	82212	18.65	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	219789	17.52	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16346	15.06	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	66864	11.97	ug/l	100
90) Hexachlorobutadiene	15.01	225	72729	19.17	ug/l	99
91) Naphthalene	15.13	128	122912	15.62	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	74762	13.34	ug/l	99

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

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