

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092118\
 Data File : VN051359.D
 Acq On : 21 Sep 2018 10:12
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 10:53:30 AM

Quant Time: Sep 22 07:01:21 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	114698	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	599125	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	529781	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	200773	27.43	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	91.43%
60) 4-Bromofluorobenzene	12.40	95	236924	30.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.23%
63) Toluene-d8	10.09	98	740211	29.96	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.87%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	103941	14.592 ug/l	97
3) Chloromethane	2.06	50	121532	14.449 ug/l	98
4) Vinyl Chloride	2.18	62	133492	16.063 ug/l	100
5) Bromomethane	2.57	94	70234	13.865 ug/l	100
6) Chloroethane	2.71	64	81973	16.723 ug/l	96
7) Trichlorofluoromethane	3.02	101	192121	17.438 ug/l	100
8) Diethyl Ether	3.41	74	57722	14.860 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	118636	17.389 ug/l	94
10) 1,1-Dichloroethene	3.74	96	99595	16.070 ug/l	94
11) Methyl Iodide	3.95	142	115660	20.002 ug/l	99
12) Methyl Acetate	4.33	43	76836	10.721 ug/l	93
13) Acrolein	3.61	56	17940m	113.051 ug/l	
14) Acrylonitrile	4.99	53	152026	62.742 ug/l	96
15) Acetone	3.82	58	39990	64.496 ug/l	81
16) Carbon Disulfide	4.05	76	288879	15.502 ug/l	100
17) Allyl chloride	4.32	41	139529	14.308 ug/l	99
18) Methylene Chloride	4.55	84	119990	16.495 ug/l	96
19) trans-1,2-Dichloroethene	5.04	96	106798	16.173 ug/l	94
20) Diisopropyl ether	5.95	45	300176	14.829 ug/l	95
21) 1,1-Dichloroethane	5.85	63	199138	16.045 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	120898	16.208 ug/l	99
23) tert-Butyl Alcohol	4.77	59	27274m	52.928 ug/l	
24) Methyl tert-Butyl Ether	5.05	73	246832	14.561 ug/l	99
25) Chloroform	7.37	83	210566	16.999 ug/l	99
26) Cyclohexane	7.65	56	156942	15.263 ug/l	# 97
29) 1,1-Dichloropropene	7.79	75	151798	16.924 ug/l	99
30) 2-Butanone	6.84	43	167061	60.545 ug/l	97
31) 2,2-Dichloropropane	6.82	77	167169	19.154 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	184495	18.139 ug/l	97
33) Carbon Tetrachloride	7.77	117	167618	18.299 ug/l	99
34) Benzene	8.04	78	462438	16.666 ug/l	99
35) Methacrylonitrile	7.19	41	47017m	15.553 ug/l	
36) 1,2-Dichloroethane	8.12	62	139665	16.643 ug/l	100
37) Trichloroethene	8.83	130	130928	18.053 ug/l	96
38) Methylcyclohexane	9.08	83	173217	17.981 ug/l	98
39) 1,2-Dichloropropane	9.12	63	120279	16.597 ug/l	98
40) Dibromomethane	9.21	93	72468	16.600 ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	157525	17.118	ug/l	99
42) Vinyl Acetate	5.90	43	898164	70.668	ug/l	96
43) Ethyl Acetate	6.93	43	65428	11.575	ug/l #	86
44) Isopropyl Acetate	8.17	43	138065	13.842	ug/l	100
45) 1,4-Dioxane	9.20	88	18984	256.214	ug/l	98
46) Methyl methacrylate	9.20	41	61219	12.255	ug/l	97
47) n-amyl Acetate	12.07	43	103259	12.876	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	146124	16.199	ug/l	96
49) cis-1,3-Dichloropropene	9.84	75	175421	16.929	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	111111	17.517	ug/l	95
51) Ethyl methacrylate	10.43	69	109164	14.066	ug/l	97
52) 1,3-Dichloropropane	10.71	76	168599	16.047	ug/l	98
53) Dibromochloromethane	10.90	129	124820	17.306	ug/l	100
54) 1,2-Dibromoethane	11.00	107	100530	16.029	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	262104	81.169	ug/l	97
56) Bromoform	12.13	173	85016	16.573	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	356219	58.767	ug/l	97
59) 2-Hexanone	10.75	43	235409	59.416	ug/l	98
61) Tetrachloroethene	10.63	164	123260	18.671	ug/l	99
62) Toluene	10.16	91	514894	17.421	ug/l	100
64) Chlorobenzene	11.43	112	331996	18.124	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	125441	18.137	ug/l	97
66) Ethyl Benzene	11.51	91	513497	16.773	ug/l	99
67) m/p-Xylenes	11.62	106	429499	36.462	ug/l	95
68) o-Xylene	11.95	106	205109	18.223	ug/l	94
69) Styrene	11.96	104	313832	17.537	ug/l	99
70) Isopropylbenzene	12.25	105	543491	18.172	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	124528	15.378	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	95875m	13.724	ug/l	
73) Bromobenzene	12.53	156	141848	18.026	ug/l	92
74) n-propylbenzene	12.59	91	605355	17.903	ug/l	98
75) 2-Chlorotoluene	12.67	91	369586	17.992	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	460368	18.836	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	30970	15.560	ug/l	98
78) 4-Chlorotoluene	12.77	91	359546	17.776	ug/l	97
79) tert-butylbenzene	12.99	119	412423	19.430	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	460144	18.883	ug/l	99
81) sec-Butylbenzene	13.17	105	553335	19.924	ug/l	99
82) p-Isopropyltoluene	13.29	119	481948	20.105	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	247464	18.601	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	228278	18.109	ug/l	98
85) n-Butylbenzene	13.62	91	341021	18.644	ug/l	99
86) Hexachloroethane	13.87	117	94685	20.578	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	238618	18.222	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15213	13.429	ug/l #	81
89) 1,2,4-Trichlorobenzene	14.91	180	98371	16.874	ug/l	98
90) Hexachlorobutadiene	15.01	225	98304	24.819	ug/l	98
91) Naphthalene	15.13	128	145003	16.535	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	102168	17.465	ug/l	99

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

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