

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101518\
 Data File : VN051862.D
 Acq On : 15 Oct 2018 9:41
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Quant Time: Oct 16 00:50:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

MMDadoda
 10/16/2018 3:56:17 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	158161	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	897012	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	777974	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	288528	29.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.93%
60) 4-Bromofluorobenzene	12.40	95	328661	29.30	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.67%
63) Toluene-d8	10.09	98	1045339	30.94	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.13%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	130464	21.23	ug/l	98
3) Chloromethane	2.06	50	121940	18.78	ug/l	100
4) Vinyl Chloride	2.18	62	179396	18.50	ug/l	99
5) Bromomethane	2.57	94	157230	18.35	ug/l	87
6) Chloroethane	2.70	64	128745	18.42	ug/l	98
7) Trichlorofluoromethane	3.01	101	288770	20.89	ug/l	97
8) Diethyl Ether	3.41	74	82187	20.42	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.76	101	168722	21.43	ug/l #	41
10) 1,1-Dichloroethene	3.74	96	149555	20.54	ug/l	83
11) Methyl Iodide	3.95	142	198767	18.78	ug/l	94
12) Methyl Acetate	4.33	43	96222	21.28	ug/l	93
13) Acrolein	3.61	56	23807	79.91	ug/l	92
14) Acrylonitrile	4.99	53	198639	98.29	ug/l #	44
15) Acetone	3.82	58	51106	102.30	ug/l	88
16) Carbon Disulfide	4.05	76	386625	20.22	ug/l	98
17) Allyl chloride	4.32	41	160137	18.52	ug/l	74
18) Methylene Chloride	4.55	84	164436	20.20	ug/l #	85
19) trans-1,2-Dichloroethene	5.04	96	162193	19.51	ug/l	82
20) Diisopropyl ether	5.95	45	378338	19.65	ug/l #	86
21) 1,1-Dichloroethane	5.85	63	267473	19.88	ug/l #	96
22) cis-1,2-Dichloroethene	6.83	96	190920	19.55	ug/l #	82
23) tert-Butyl Alcohol	4.79	59	52765	99.13	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	419480	19.99	ug/l #	66
25) Chloroform	7.37	83	317299	19.88	ug/l	95
26) Cyclohexane	7.65	56	217216	19.04	ug/l #	69
29) 1,1-Dichloropropene	7.79	75	223133	19.30	ug/l	95
30) 2-Butanone	6.84	43	229473	94.95	ug/l #	82
31) 2,2-Dichloropropane	6.82	77	276355	20.32	ug/l #	80
32) 1,1,1-Trichloroethane	7.57	97	301400	19.66	ug/l	94
33) Carbon Tetrachloride	7.77	117	274396	19.78	ug/l	94
34) Benzene	8.04	78	673618	19.70	ug/l #	67
35) Methacrylonitrile	7.17	41	48400	15.24	ug/l	75
36) 1,2-Dichloroethane	8.12	62	208115	18.99	ug/l	97
37) Trichloroethene	8.83	130	206147	19.42	ug/l	100
38) Methylcyclohexane	9.08	83	291545	19.66	ug/l	79
39) 1,2-Dichloropropane	9.12	63	156380	19.41	ug/l	96
40) Dibromomethane	9.21	93	115292	19.29	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	238713	19.33	ug/l	94
42) Vinyl Acetate	5.90	43	1295186	95.20	ug/l #	88
43) Ethyl Acetate	6.93	43	101948	19.43	ug/l	95
44) Isopropyl Acetate	8.16	43	206087	19.66	ug/l #	75
45) 1,4-Dioxane	9.20	88	32859	390.43	ug/l #	79
46) Methyl methacrylate	9.20	41	91299	18.88	ug/l	76
47) n-amyl Acetate	12.07	43	152621	17.39	ug/l #	75
48) t-1,3-Dichloropropene	10.38	75	223171	18.53	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	260239	19.61	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	158406	19.18	ug/l	94
51) Ethyl methacrylate	10.43	69	177422	18.76	ug/l	84
52) 1,3-Dichloropropane	10.71	76	246216	19.31	ug/l	97
53) Dibromochloromethane	10.90	129	193003	18.89	ug/l	96
54) 1,2-Dibromoethane	11.00	107	162900	18.79	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	402682	99.61	ug/l #	92
56) Bromoform	12.13	173	119888	17.79	ug/l	94
58) 4-Methyl-2-Pentanone	9.98	43	526125	101.06	ug/l #	88
59) 2-Hexanone	10.75	43	346696	98.71	ug/l	89
61) Tetrachloroethene	10.63	164	211202	21.23	ug/l	97
62) Toluene	10.15	91	779779	20.18	ug/l	99
64) Chlorobenzene	11.43	112	499759	19.74	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	192751	19.84	ug/l	98
66) Ethyl Benzene	11.51	91	836124	19.57	ug/l	99
67) m/p-Xylenes	11.62	106	670711	38.73	ug/l	97
68) o-Xylene	11.95	106	331330	19.41	ug/l	89
69) Styrene	11.96	104	489932	18.70	ug/l	97
70) Isopropylbenzene	12.25	105	884346	19.43	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	170305	18.94	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	167454m	23.68	ug/l	
73) Bromobenzene	12.53	156	211485	18.75	ug/l	84
74) n-propylbenzene	12.59	91	937884	19.15	ug/l	95
75) 2-Chlorotoluene	12.67	91	553897	19.29	ug/l	95
76) 1,3,5-Trimethylbenzene	12.73	105	716180	19.02	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	43996	18.81	ug/l	95
78) 4-Chlorotoluene	12.77	91	528894	18.75	ug/l	93
79) tert-butylbenzene	12.99	119	661678	19.11	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	709265	18.85	ug/l	96
81) sec-Butylbenzene	13.17	105	857153	18.93	ug/l	96
82) p-Isopropyltoluene	13.29	119	757856	18.70	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	356209	17.90	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	332885	17.77	ug/l	98
85) n-Butylbenzene	13.61	91	573320	18.76	ug/l	95
86) Hexachloroethane	13.87	117	133739	19.14	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	350412	18.19	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	24313	18.11	ug/l #	72
89) 1,2,4-Trichlorobenzene	14.91	180	138503	18.62	ug/l	98
90) Hexachlorobutadiene	15.01	225	119793	19.30	ug/l	95
91) Naphthalene	15.13	128	252097	18.10	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	145057	16.55	ug/l	93

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

