

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101818\
 Data File : VN051908.D
 Acq On : 18 Oct 2018 11:19
 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

MMDadoda
 10/19/2018 4:37:52 PM

Quant Time: Oct 18 15:00:56 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	125144	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	711900	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	615780	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	228667	30.03	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.10%
60) 4-Bromofluorobenzene	12.40	95	248746	28.01	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.37%
63) Toluene-d8	10.09	98	827223	30.94	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.13%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	102403	21.06	ug/l	99
3) Chloromethane	2.06	50	95551	18.60	ug/l	98
4) Vinyl Chloride	2.18	62	143687	18.73	ug/l	99
5) Bromomethane	2.57	94	127878	18.86	ug/l	87
6) Chloroethane	2.70	64	106586	19.27	ug/l	96
7) Trichlorofluoromethane	3.01	101	231608	21.17	ug/l	96
8) Diethyl Ether	3.41	74	61861	19.42	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.76	101	133315	21.40	ug/l #	38
10) 1,1-Dichloroethene	3.74	96	115394	20.03	ug/l	82
11) Methyl Iodide	3.95	142	139382	16.64	ug/l	93
12) Methyl Acetate	4.33	43	71720	20.05	ug/l #	87
13) Acrolein	3.61	56	17179m	72.88	ug/l	
14) Acrylonitrile	4.99	53	145001	90.68	ug/l #	57
15) Acetone	3.82	58	42836	108.36	ug/l	93
16) Carbon Disulfide	4.05	76	267596	17.68	ug/l	98
17) Allyl chloride	4.32	41	125329	18.32	ug/l	72
18) Methylene Chloride	4.55	84	127399	19.78	ug/l #	88
19) trans-1,2-Dichloroethene	5.05	96	128703	19.56	ug/l	83
20) Diisopropyl ether	5.95	45	281918	18.50	ug/l #	87
21) 1,1-Dichloroethane	5.85	63	205122	19.27	ug/l #	97
22) cis-1,2-Dichloroethene	6.83	96	151982	19.67	ug/l #	81
23) tert-Butyl Alcohol	4.79	59	38099	90.46	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	318712	19.20	ug/l	96
25) Chloroform	7.37	83	252329	19.98	ug/l	95
26) Cyclohexane	7.65	56	166950	18.50	ug/l #	67
29) 1,1-Dichloropropene	7.79	75	178261	19.43	ug/l	96
30) 2-Butanone	6.84	43	182465	95.13	ug/l #	86
31) 2,2-Dichloropropane	6.82	77	202065	18.72	ug/l #	76
32) 1,1,1-Trichloroethane	7.57	97	235231	19.34	ug/l	94
33) Carbon Tetrachloride	7.77	117	204959	18.62	ug/l	94
34) Benzene	8.04	78	518820	19.11	ug/l #	67
35) Methacrylonitrile	7.18	41	40622	16.12	ug/l	77
36) 1,2-Dichloroethane	8.12	62	166804	19.18	ug/l	98
37) Trichloroethene	8.84	130	162207	19.25	ug/l	91
38) Methylcyclohexane	9.08	83	216863	18.43	ug/l	77
39) 1,2-Dichloropropane	9.12	63	119949	18.76	ug/l	96
40) Dibromomethane	9.21	93	90097	18.99	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	179044	18.27	ug/l	94
42) Vinyl Acetate	5.90	43	945708	87.59	ug/l #	90
43) Ethyl Acetate	6.94	43	74873	17.98	ug/l	97
44) Isopropyl Acetate	8.17	43	144550	17.38	ug/l	99
45) 1,4-Dioxane	9.20	88	25550	382.52	ug/l #	71
46) Methyl methacrylate	9.20	41	67301	17.54	ug/l	63
47) n-amyl Acetate	12.07	43	105416m	15.14	ug/l	
48) t-1,3-Dichloropropene	10.38	75	162227	16.98	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	187360	17.79	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	125910	19.21	ug/l	92
51) Ethyl methacrylate	10.43	69	133690	17.81	ug/l	81
52) 1,3-Dichloropropane	10.71	76	184770	18.26	ug/l	99
53) Dibromochloromethane	10.90	129	141278	17.42	ug/l	93
54) 1,2-Dibromoethane	11.00	107	121541	17.66	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	279967	87.27	ug/l #	91
56) Bromoform	12.13	173	85421	15.97	ug/l #	94
58) 4-Methyl-2-Pentanone	9.99	43	396145	96.13	ug/l #	86
59) 2-Hexanone	10.75	43	260595	93.74	ug/l	91
61) Tetrachloroethene	10.63	164	163725	20.79	ug/l	98
62) Toluene	10.16	91	598940	19.58	ug/l	99
64) Chlorobenzene	11.43	112	384325	19.18	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	150830	19.61	ug/l	99
66) Ethyl Benzene	11.51	91	645290	19.09	ug/l	100
67) m/p-Xylenes	11.62	106	515569	37.61	ug/l	98
68) o-Xylene	11.95	106	252907	18.72	ug/l	91
69) Styrene	11.96	104	365104	17.61	ug/l	96
70) Isopropylbenzene	12.25	105	686376	19.05	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	133941	18.82	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	104833m	18.73	ug/l	
73) Bromobenzene	12.53	156	165486	18.54	ug/l	79
74) n-propylbenzene	12.59	91	717755	18.52	ug/l	95
75) 2-Chlorotoluene	12.67	91	429377	18.90	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	551723	18.52	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	28059	15.15	ug/l	97
78) 4-Chlorotoluene	12.77	91	394052	17.65	ug/l	92
79) tert-butylbenzene	12.99	119	515285	18.80	ug/l	94
80) 1,2,4-Trimethylbenzene	13.04	105	543315	18.24	ug/l	98
81) sec-Butylbenzene	13.17	105	667598	18.62	ug/l	98
82) p-Isopropyltoluene	13.29	119	577459	18.00	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	265250	16.84	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	246716	16.64	ug/l	99
85) n-Butylbenzene	13.62	91	407329	16.84	ug/l	96
86) Hexachloroethane	13.87	117	93529	16.91	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	271158	17.78	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	17636	16.60	ug/l #	73
89) 1,2,4-Trichlorobenzene	14.91	180	89032	16.57	ug/l	99
90) Hexachlorobutadiene	15.01	225	94384	19.21	ug/l	95
91) Naphthalene	15.13	128	170818	16.72	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	100235	14.45	ug/l	95

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

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