

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
 Data File : VN050037.D
 Acq On : 25 Jul 2018 8:56
 Operator : MD\SY
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 7/26/2018 3:53:43 PM

Quant Time: Jul 26 15:12:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:10:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	140394	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	731151	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	643623	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	290889	30.00	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.00%
60) 4-Bromofluorobenzene	12.40	95	293125	30.00	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.00%
63) Toluene-d8	10.09	98	946855	30.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.00%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	218435	20.00	ug/l	98
3) Chloromethane	2.06	50	208828	20.00	ug/l	99
4) Vinyl Chloride	2.18	62	224296	20.00	ug/l	97
5) Bromomethane	2.56	94	134484	20.00	ug/l	99
6) Chloroethane	2.70	64	131633	20.00	ug/l	99
7) Trichlorofluoromethane	3.01	101	297982	20.00	ug/l	100
8) Diethyl Ether	3.41	74	91677	20.00	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	181843	20.00	ug/l	99
10) 1,1-Dichloroethene	3.73	96	156337	20.00	ug/l	95
11) Methyl Iodide	3.95	142	223121	20.00	ug/l	98
12) Methyl Acetate	4.33	43	178951	20.00	ug/l	100
13) Acrolein	3.61	56	47245	100.00	ug/l	94
14) Acrylonitrile	5.00	53	284283	100.00	ug/l	97
15) Acetone	3.82	58	80173	100.00	ug/l	97
16) Carbon Disulfide	4.05	76	473935	20.00	ug/l	100
17) Allyl chloride	4.32	41	236326	20.00	ug/l	100
18) Methylene Chloride	4.55	84	179033	20.00	ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	166714	20.00	ug/l	99
20) Diisopropyl ether	5.96	45	505648	20.00	ug/l	96
21) 1,1-Dichloroethane	5.85	63	314921	20.00	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	180955	20.00	ug/l	98
23) tert-Butyl Alcohol	4.80	59	62787	100.00	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	413539	20.00	ug/l	99
25) Chloroform	7.37	83	322129	20.00	ug/l	97
26) Cyclohexane	7.65	56	248212	20.00	ug/l	100
29) 1,1-Dichloropropene	7.80	75	237995	20.00	ug/l	99
30) 2-Butanone	6.84	43	351332	100.00	ug/l	99
31) 2,2-Dichloropropane	6.83	77	259781	20.00	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	274916	20.00	ug/l	99
33) Carbon Tetrachloride	7.78	117	242882	20.00	ug/l	99
34) Benzene	8.04	78	711596	20.00	ug/l	99
35) Methacrylonitrile	7.18	41	76665	20.00	ug/l	92
36) 1,2-Dichloroethane	8.13	62	233294	20.00	ug/l	99
37) Trichloroethene	8.84	130	185108	20.00	ug/l	95
38) Methylcyclohexane	9.08	83	238605	20.00	ug/l	98
39) 1,2-Dichloropropane	9.12	63	187009	20.00	ug/l	98
40) Dibromomethane	9.21	93	113700	20.00	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	240710	20.00	ug/l	98
42) Vinyl Acetate	5.90	43	1662566	100.00	ug/l	99
43) Ethyl Acetate	6.93	43	151586	20.00	ug/l	93
44) Isopropyl Acetate	8.17	43	277386	20.00	ug/l	97
45) 1,4-Dioxane	9.20	88	36272	400.00	ug/l	100
46) Methyl methacrylate	9.20	41	132012	20.00	ug/l	99
47) n-amyl Acetate	12.07	43	197586	20.00	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	226371	19.93	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	266043	20.00	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	163295	20.00	ug/l	99
51) Ethyl methacrylate	10.43	69	181938	20.00	ug/l	99
52) 1,3-Dichloropropane	10.71	76	268236	20.00	ug/l	99
53) Dibromochloromethane	10.90	129	182574	20.00	ug/l	99
54) 1,2-Dibromoethane	11.01	107	157302	20.00	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	430562	100.00	ug/l	100
56) Bromoform	12.13	173	125194	20.00	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	764287	100.00	ug/l	99
59) 2-Hexanone	10.75	43	509572	100.00	ug/l	100
61) Tetrachloroethene	10.63	164	186518	20.00	ug/l	97
62) Toluene	10.16	91	764551	20.00	ug/l	100
64) Chlorobenzene	11.44	112	454454	20.00	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	179657	20.00	ug/l	99
66) Ethyl Benzene	11.51	91	757112	20.00	ug/l	99
67) m/p-Xylenes	11.62	106	601581	40.00	ug/l	100
68) o-Xylene	11.95	106	276280	20.00	ug/l	99
69) Styrene	11.97	104	452282	20.00	ug/l	99
70) Isopropylbenzene	12.25	105	749300	20.00	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	201333	20.00	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	174810m	14.40	ug/l	
73) Bromobenzene	12.53	156	196518	20.00	ug/l	99
74) n-propylbenzene	12.59	91	881417	20.00	ug/l	99
75) 2-Chlorotoluene	12.68	91	527363	20.00	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	630767	20.00	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	52299	20.00	ug/l	93
78) 4-Chlorotoluene	12.77	91	521712	20.00	ug/l	99
79) tert-butylbenzene	12.99	119	523112	20.00	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	639465	20.00	ug/l	99
81) sec-Butylbenzene	13.17	105	723833	20.00	ug/l	100
82) p-Isopropyltoluene	13.29	119	616103	20.00	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	344518	20.00	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	325760	20.00	ug/l	100
85) n-Butylbenzene	13.62	91	479667	20.00	ug/l	99
86) Hexachloroethane	13.88	117	121445	20.00	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	344830	20.00	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31101	20.00	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	149776	20.00	ug/l	99
90) Hexachlorobutadiene	15.01	225	112092	20.00	ug/l	98
91) Naphthalene	15.14	128	294613	20.00	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	157478	20.00	ug/l	99

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

