

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011019\
 Data File : VN053337.D
 Acq On : 10 Jan 2019 13:14
 Operator : MD\SY
 Sample : VN0110WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0110WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 10:11:44 AM

Quant Time: Jan 11 06:14:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	151200	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	864933	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	776910	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	288489	30.03	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.10%
60) 4-Bromofluorobenzene	12.40	95	359994	30.28	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.93%
63) Toluene-d8	10.09	98	1046297	29.89	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	199496	19.802	ug/l 99
3) Chloromethane	2.06	50	238198	20.146	ug/l 99
4) Vinyl Chloride	2.19	62	228661	19.652	ug/l 97
5) Bromomethane	2.56	94	145916	19.451	ug/l 99
6) Chloroethane	2.71	64	132785	19.812	ug/l 100
7) Trichlorofluoromethane	3.02	101	285150	19.845	ug/l 99
8) Diethyl Ether	3.41	74	109926	20.592	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	3.77	101	174693	19.351	ug/l 96
10) 1,1-Dichloroethene	3.74	96	171725	19.492	ug/l 97
11) Methyl Iodide	3.96	142	271325	21.030	ug/l 99
12) Methyl Acetate	4.32	43	155681	22.672	ug/l 96
13) Acrolein	3.61	56	82197	100.260	ug/l 99
14) Acrylonitrile	4.99	53	339854	110.631	ug/l 98
15) Acetone	3.81	58	78773	120.656	ug/l 92
16) Carbon Disulfide	4.06	76	492963	18.189	ug/l 100
17) Allyl chloride	4.33	41	278050	20.062	ug/l 98
18) Methylene Chloride	4.55	84	203360	20.169	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	182532	19.605	ug/l 92
20) Diisopropyl ether	5.95	45	604948	20.381	ug/l 97
21) 1,1-Dichloroethane	5.85	63	343416	19.872	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	212432	20.255	ug/l 97
23) tert-Butyl Alcohol	4.78	59	52363	101.115	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	481656	20.966	ug/l 98
25) Chloroform	7.37	83	338165	20.357	ug/l 99
26) Cyclohexane	7.65	56	308549	19.142	ug/l # 96
29) 1,1-Dichloropropene	7.79	75	258739	19.748	ug/l 98
30) 2-Butanone	6.83	43	377280	115.424	ug/l 97
31) 2,2-Dichloropropane	6.83	77	245354	19.344	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	277993	20.251	ug/l 97
33) Carbon Tetrachloride	7.77	117	237971	19.805	ug/l 99
34) Benzene	8.04	78	802344	20.377	ug/l 97
35) Methacrylonitrile	7.17	41	95880	22.732	ug/l 98
36) 1,2-Dichloroethane	8.12	62	237698	20.795	ug/l 98
37) Trichloroethene	8.84	130	216486	20.296	ug/l 94
38) Methylcyclohexane	9.08	83	310387	20.255	ug/l 97
39) 1,2-Dichloropropane	9.12	63	209963	20.421	ug/l 98
40) Dibromomethane	9.21	93	124060	21.336	ug/l 95

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	254606	20.390	ug/l	98
42) Vinyl Acetate	5.90	43	1934789	108.497	ug/l	97
43) Ethyl Acetate	6.93	43	169123	23.169	ug/l #	70
44) Isopropyl Acetate	8.16	43	307377	22.605	ug/l #	82
45) 1,4-Dioxane	9.20	88	29823	358.664	ug/l	94
46) Methyl methacrylate	9.20	41	151698	22.083	ug/l	96
47) n-amyl Acetate	12.07	43	266537	22.320	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	258370	20.272	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	303519	20.225	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	179912	21.580	ug/l	99
51) Ethyl methacrylate	10.43	69	238111	21.914	ug/l	91
52) 1,3-Dichloropropane	10.71	76	307793	21.431	ug/l	100
53) Dibromochloromethane	10.90	129	195544	20.883	ug/l	98
54) 1,2-Dibromoethane	11.01	107	180086	21.412	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	640964	102.789	ug/l	98
56) Bromoform	12.13	173	136181	21.260	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	861254	116.336	ug/l	97
59) 2-Hexanone	10.75	43	578311	113.153	ug/l	96
61) Tetrachloroethene	10.63	164	237466	20.683	ug/l	97
62) Toluene	10.16	91	870810	20.438	ug/l	100
64) Chlorobenzene	11.43	112	545536	20.403	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	190880	20.352	ug/l	99
66) Ethyl Benzene	11.51	91	939956	20.343	ug/l	98
67) m/p-Xylenes	11.62	106	718059	41.090	ug/l	98
68) o-Xylene	11.95	106	350035	20.670	ug/l	99
69) Styrene	11.96	104	571207	20.665	ug/l	100
70) Isopropylbenzene	12.25	105	936843	21.027	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	210970	22.494	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	189058m	23.019	ug/l	
73) Bromobenzene	12.53	156	240688	21.016	ug/l	94
74) n-propylbenzene	12.59	91	1058482	20.987	ug/l	99
75) 2-Chlorotoluene	12.67	91	630830	21.119	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	759376	21.486	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	59247	20.530	ug/l	95
78) 4-Chlorotoluene	12.77	91	633539	20.836	ug/l	99
79) tert-butylbenzene	12.99	119	675509	21.915	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	760147	21.459	ug/l	99
81) sec-Butylbenzene	13.17	105	911139	22.323	ug/l	99
82) p-Isopropyltoluene	13.29	119	789275	22.378	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	424577	21.773	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	409354	21.535	ug/l	98
85) n-Butylbenzene	13.62	91	635964	22.173	ug/l	99
86) Hexachloroethane	13.88	117	116278	20.649	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	403305	22.258	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	28723	21.414	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	147034	16.719	ug/l	99
90) Hexachlorobutadiene	15.01	225	125933	23.657	ug/l	99
91) Naphthalene	15.13	128	251109	13.458	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	101854	12.981	ug/l	99

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

