

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010419\
 Data File : VN053280.D
 Acq On : 4 Jan 2019 10:50
 Operator : MD\SY
 Sample : VN0104WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0104WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/7/2019 11:10:01 AM

Quant Time: Jan 05 00:14:13 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	7.19	128	137695	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	783416	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	698640	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	265876	30.40	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.33%
60) 4-Bromofluorobenzene	12.40	95	320963	30.02	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.07%
63) Toluene-d8	10.09	98	952554	30.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	182019	19.840	ug/l 99
3) Chloromethane	2.06	50	208092	19.326	ug/l 99
4) Vinyl Chloride	2.19	62	205031	19.350	ug/l 98
5) Bromomethane	2.57	94	136409	19.967	ug/l 100
6) Chloroethane	2.71	64	116943	19.159	ug/l 99
7) Trichlorofluoromethane	3.02	101	256548	19.606	ug/l 99
8) Diethyl Ether	3.41	74	97432	20.041	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	161424	19.634	ug/l 96
10) 1,1-Dichloroethene	3.74	96	153226	19.098	ug/l 93
11) Methyl Iodide	3.96	142	234731	19.978	ug/l 99
12) Methyl Acetate	4.32	43	138550	22.156	ug/l 95
13) Acrolein	3.61	56	69914	93.642	ug/l 98
14) Acrylonitrile	4.99	53	297402	106.307	ug/l 97
15) Acetone	3.82	58	71626	120.469	ug/l 87
16) Carbon Disulfide	4.06	76	457822	18.549	ug/l 100
17) Allyl chloride	4.33	41	230633	18.273	ug/l 98
18) Methylene Chloride	4.55	84	178174	19.404	ug/l 94
19) trans-1,2-Dichloroethene	5.05	96	165314	19.497	ug/l 91
20) Diisopropyl ether	5.95	45	531866	19.677	ug/l 98
21) 1,1-Dichloroethane	5.85	63	307376	19.531	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	187511	19.632	ug/l 96
23) tert-Butyl Alcohol	4.77	59	49920m	105.852	ug/l
24) Methyl tert-Butyl Ether	5.04	73	416188	19.893	ug/l 98
25) Chloroform	7.37	83	300858	19.888	ug/l 100
26) Cyclohexane	7.65	56	275129	18.743	ug/l # 98
29) 1,1-Dichloropropene	7.80	75	231259	19.488	ug/l 99
30) 2-Butanone	6.83	43	336357	113.611	ug/l 98
31) 2,2-Dichloropropane	6.82	77	218896	19.054	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	246987	19.865	ug/l 97
33) Carbon Tetrachloride	7.78	117	215549	19.805	ug/l 99
34) Benzene	8.04	78	709757	19.902	ug/l 98
35) Methacrylonitrile	7.19	41	91184m	23.868	ug/l
36) 1,2-Dichloroethane	8.12	62	209320	20.218	ug/l 97
37) Trichloroethene	8.84	130	193376	20.016	ug/l 97
38) Methylcyclohexane	9.08	83	265624	19.137	ug/l 96
39) 1,2-Dichloropropane	9.12	63	188001	20.188	ug/l 97
40) Dibromomethane	9.21	93	108400	20.582	ug/l 94

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

41) Bromodichloromethane	9.40	83	225429	19.931	ug/l	99
42) Vinyl Acetate	5.90	43	1664430	103.048	ug/l	98
43) Ethyl Acetate	6.93	43	142030	21.482	ug/l #	69
44) Isopropyl Acetate	8.16	43	255840	20.773	ug/l	95
45) 1,4-Dioxane	9.20	88	30587	406.128	ug/l	95
46) Methyl methacrylate	9.20	41	128664	20.679	ug/l	93
47) n-amyl Acetate	12.07	43	214399	19.822	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	223769	19.384	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	267802	19.702	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	157785	20.895	ug/l	99
51) Ethyl methacrylate	10.43	69	201141	20.438	ug/l	91
52) 1,3-Dichloropropane	10.71	76	266458	20.484	ug/l	100
53) Dibromochloromethane	10.90	129	170274	20.077	ug/l	98
54) 1,2-Dibromoethane	11.01	107	152957	20.079	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	577786	102.298	ug/l	98
56) Bromoform	12.13	173	116293	20.044	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	740857	111.285	ug/l	98
59) 2-Hexanone	10.75	43	501312	109.076	ug/l	97
61) Tetrachloroethene	10.63	164	215833	20.905	ug/l	96
62) Toluene	10.16	91	767510	20.031	ug/l	100
64) Chlorobenzene	11.43	112	477663	19.866	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	168122	19.933	ug/l	99
66) Ethyl Benzene	11.51	91	818311	19.694	ug/l	99
67) m/p-Xylenes	11.62	106	630989	40.153	ug/l	98
68) o-Xylene	11.95	106	305185	20.041	ug/l	98
69) Styrene	11.96	104	497931	20.032	ug/l	99
70) Isopropylbenzene	12.25	105	802504	20.030	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	172227	20.420	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	153129m	20.733	ug/l	
73) Bromobenzene	12.53	156	210307	20.420	ug/l	93
74) n-propylbenzene	12.59	91	902896	19.908	ug/l	99
75) 2-Chlorotoluene	12.67	91	540633	20.127	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	656794	20.665	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	48920	18.851	ug/l	96
78) 4-Chlorotoluene	12.77	91	551998	20.188	ug/l	99
79) tert-butylbenzene	12.99	119	557841	20.125	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	651562	20.454	ug/l	100
81) sec-Butylbenzene	13.17	105	742879	20.239	ug/l	100
82) p-Isopropyltoluene	13.29	119	641866	20.237	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	353750	20.173	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	342574	20.041	ug/l	99
85) n-Butylbenzene	13.62	91	505396	19.595	ug/l	99
86) Hexachloroethane	13.88	117	97517	19.257	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	329185	20.203	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	17036	14.124	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	75122	9.499	ug/l	99
90) Hexachlorobutadiene	15.01	225	75347	15.740	ug/l	99
91) Naphthalene	15.13	128	119611	7.128	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	46648	6.611	ug/l	98

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

