

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN113018\
 Data File : VN052599.D
 Acq On : 30 Nov 2018 11:48
 Operator : MD\SY
 Sample : VN1130WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/3/2018 10:49:28 AM

Quant Time: Nov 30 12:23:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	168731	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	961051	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	838620	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	337025	29.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.70%
60) 4-Bromofluorobenzene	12.40	95	378168	29.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.30%
63) Toluene-d8	10.09	98	1142192	29.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.90%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	183039	19.047	ug/l 100
3) Chloromethane	2.06	50	237461	18.632	ug/l 100
4) Vinyl Chloride	2.19	62	248518	19.320	ug/l 98
5) Bromomethane	2.58	94	151447	20.649	ug/l 100
6) Chloroethane	2.71	64	150894	19.726	ug/l 99
7) Trichlorofluoromethane	3.02	101	310097	19.534	ug/l 98
8) Diethyl Ether	3.41	74	117818	20.099	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	195332	19.410	ug/l 99
10) 1,1-Dichloroethene	3.74	96	188331	19.904	ug/l 98
11) Methyl Iodide	3.96	142	272561	20.747	ug/l 99
12) Methyl Acetate	4.33	43	161757	20.120	ug/l 98
13) Acrolein	3.61	56	127863	135.394	ug/l 99
14) Acrylonitrile	4.99	53	344954	100.701	ug/l 98
15) Acetone	3.82	58	79167	89.239	ug/l 94
16) Carbon Disulfide	4.06	76	550043	18.361	ug/l 99
17) Allyl chloride	4.33	41	294107	17.823	ug/l 99
18) Methylene Chloride	4.55	84	216575	19.768	ug/l 96
19) trans-1,2-Dichloroethene	5.05	96	200867	19.726	ug/l 94
20) Diisopropyl ether	5.95	45	676860	19.519	ug/l 97
21) 1,1-Dichloroethane	5.85	63	386641	19.562	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	231231	19.814	ug/l 98
23) tert-Butyl Alcohol	4.78	59	25932	50.889	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	508973	20.504	ug/l 98
25) Chloroform	7.37	83	376551	19.748	ug/l 98
26) Cyclohexane	7.66	56	352570	18.913	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	288713	19.672	ug/l 100
30) 2-Butanone	6.84	43	391161	99.605	ug/l 99
31) 2,2-Dichloropropane	6.83	77	265840	19.675	ug/l # 80
32) 1,1,1-Trichloroethane	7.57	97	312695	20.476	ug/l 98
33) Carbon Tetrachloride	7.78	117	267002	19.982	ug/l 99
34) Benzene	8.04	78	886177	20.083	ug/l 99
35) Methacrylonitrile	7.18	41	94170	19.327	ug/l 97
36) 1,2-Dichloroethane	8.12	62	272199	20.357	ug/l 100
37) Trichloroethene	8.84	130	224537	20.068	ug/l 98
38) Methylcyclohexane	9.08	83	343359	18.899	ug/l 98
39) 1,2-Dichloropropane	9.12	63	235651	19.923	ug/l 97
40) Dibromomethane	9.21	93	132185	20.681	ug/l 98

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

41) Bromodichloromethane	9.40	83	276684	19.593	ug/l	100
42) Vinyl Acetate	5.90	43	2113753	99.479	ug/l	98
43) Ethyl Acetate	6.93	43	176143	21.093	ug/l #	72
44) Isopropyl Acetate	8.17	43	315725	21.558	ug/l	96
45) 1,4-Dioxane	9.20	88	35080	437.846	ug/l	94
46) Methyl methacrylate	9.20	41	159423	20.965	ug/l	98
47) n-amyl Acetate	12.07	43	238580	19.648	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	268332	19.597	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	327611	19.638	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	186348	20.568	ug/l	99
51) Ethyl methacrylate	10.43	69	235120	20.662	ug/l	96
52) 1,3-Dichloropropane	10.71	76	324328	20.111	ug/l	100
53) Dibromochloromethane	10.90	129	202655	20.316	ug/l	98
54) 1,2-Dibromoethane	11.01	107	180816	20.423	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	653754	98.149	ug/l	99
56) Bromoform	12.13	173	131222	20.126	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	863371	106.193	ug/l	99
59) 2-Hexanone	10.75	43	568282	102.322	ug/l	99
61) Tetrachloroethene	10.63	164	216491	20.960	ug/l	97
62) Toluene	10.16	91	929402	20.104	ug/l	99
64) Chlorobenzene	11.44	112	571819	20.265	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	199714	20.390	ug/l	100
66) Ethyl Benzene	11.51	91	997324	20.016	ug/l	99
67) m/p-Xylenes	11.62	106	753674	40.601	ug/l	97
68) o-Xylene	11.95	106	366439	20.338	ug/l	100
69) Styrene	11.97	104	581468	19.995	ug/l	100
70) Isopropylbenzene	12.25	105	973094	20.299	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	219282	21.028	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	189536m	21.173	ug/l	
73) Bromobenzene	12.53	156	235367	20.301	ug/l	97
74) n-propylbenzene	12.59	91	1104920	19.782	ug/l	100
75) 2-Chlorotoluene	12.68	91	653214	20.148	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	782184	20.201	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	54098	19.131	ug/l	96
78) 4-Chlorotoluene	12.77	91	643139	19.865	ug/l	100
79) tert-butylbenzene	12.99	119	691910	20.519	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	776830	20.050	ug/l	99
81) sec-Butylbenzene	13.17	105	923574	19.664	ug/l	100
82) p-Isopropyltoluene	13.29	119	790485	19.765	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	407719	19.995	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	391021	19.848	ug/l	100
85) n-Butylbenzene	13.62	91	641574	18.675	ug/l	99
86) Hexachloroethane	13.88	117	129220	19.069	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	402097	20.722	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31473	21.546	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	184161	19.263	ug/l	99
90) Hexachlorobutadiene	15.01	225	128305	20.459	ug/l	98
91) Naphthalene	15.13	128	381257	19.748	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	176843	20.072	ug/l	98

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

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