

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
 Data File : VN051836.D
 Acq On : 12 Oct 2018 16:40
 Operator : MD\SY
 Sample : VN1012WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1012WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 11:28:01 AM

Quant Time: Oct 13 02:01:21 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	7.20	128	130510	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	744296	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	652311	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	247385	31.15	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.83%
60) 4-Bromofluorobenzene	12.40	95	273471	29.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.90%
63) Toluene-d8	10.09	98	876626	30.95	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.17%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	98973	19.52	ug/l	99
3) Chloromethane	2.06	50	112840	21.06	ug/l	99
4) Vinyl Chloride	2.18	62	165482	20.68	ug/l	99
5) Bromomethane	2.57	94	149855	21.19	ug/l	85
6) Chloroethane	2.70	64	125033	21.68	ug/l	97
7) Trichlorofluoromethane	3.01	101	241242	21.14	ug/l	96
8) Diethyl Ether	3.41	74	68593	20.65	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	3.76	101	133185	20.50	ug/l #	40
10) 1,1-Dichloroethene	3.74	96	122405	20.37	ug/l	86
11) Methyl Iodide	3.95	142	168833	19.33	ug/l	91
12) Methyl Acetate	4.33	43	78911	21.15	ug/l #	89
13) Acrolein	3.61	56	22601	91.93	ug/l	88
14) Acrylonitrile	5.00	53	174004	104.34	ug/l #	59
15) Acetone	3.82	58	41712	101.18	ug/l	88
16) Carbon Disulfide	4.05	76	293887	18.62	ug/l	97
17) Allyl chloride	4.33	41	140517	19.70	ug/l	73
18) Methylene Chloride	4.55	84	139676	20.79	ug/l	88
19) trans-1,2-Dichloroethene	5.05	96	134365	19.58	ug/l	86
20) Diisopropyl ether	5.95	45	326254	20.53	ug/l #	89
21) 1,1-Dichloroethane	5.85	63	231470	20.85	ug/l #	97
22) cis-1,2-Dichloroethene	6.83	96	162846	20.21	ug/l #	82
23) tert-Butyl Alcohol	4.79	59	45647	103.93	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	357993m	20.68	ug/l	
25) Chloroform	7.37	83	270942	20.57	ug/l	96
26) Cyclohexane	7.66	56	189001	20.08	ug/l #	72
29) 1,1-Dichloropropene	7.80	75	189983	19.80	ug/l	94
30) 2-Butanone	6.84	43	193306	96.40	ug/l #	86
31) 2,2-Dichloropropane	6.83	77	200785	17.79	ug/l #	77
32) 1,1,1-Trichloroethane	7.57	97	250579	19.70	ug/l	96
33) Carbon Tetrachloride	7.78	117	221948	19.29	ug/l	92
34) Benzene	8.04	78	573582	20.21	ug/l #	68
35) Methacrylonitrile	7.18	41	45363	17.22	ug/l	83
36) 1,2-Dichloroethane	8.13	62	184082	20.24	ug/l	96
37) Trichloroethene	8.84	130	172719	19.61	ug/l	98
38) Methylcyclohexane	9.08	83	240841	19.57	ug/l	79
39) 1,2-Dichloropropane	9.12	63	135471	20.27	ug/l	97
40) Dibromomethane	9.21	93	100422	20.25	ug/l	98

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41) Bromodichloromethane	9.40	83	198893	19.41	ug/l	94
42) Vinyl Acetate	5.90	43	1131659	100.25	ug/l #	90
43) Ethyl Acetate	6.93	43	91372	20.98	ug/l	99
44) Isopropyl Acetate	8.17	43	177453	20.40	ug/l	99
45) 1,4-Dioxane	9.20	88	28572	409.15	ug/l #	78
46) Methyl methacrylate	9.20	41	81289	20.26	ug/l	76
47) n-amyl Acetate	12.07	43	132332	18.18	ug/l #	73
48) t-1,3-Dichloropropene	10.38	75	184000	18.42	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	207037	18.80	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	139564	20.36	ug/l	95
51) Ethyl methacrylate	10.43	69	157157	20.03	ug/l	83
52) 1,3-Dichloropropane	10.71	76	215768	20.40	ug/l	97
53) Dibromochloromethane	10.90	129	155491	18.34	ug/l	96
54) 1,2-Dibromoethane	11.01	107	139918	19.45	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	327387	97.60	ug/l #	92
56) Bromoform	12.13	173	94268	16.86	ug/l #	91
58) 4-Methyl-2-Pentanone	9.99	43	474239	108.64	ug/l #	89
59) 2-Hexanone	10.75	43	294376	99.96	ug/l	91
61) Tetrachloroethene	10.63	164	170184	20.40	ug/l	95
62) Toluene	10.16	91	661361	20.41	ug/l	98
64) Chlorobenzene	11.43	112	431401	20.33	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	162706	19.97	ug/l	99
66) Ethyl Benzene	11.51	91	721523	20.15	ug/l	100
67) m/p-Xylenes	11.62	106	575786	39.65	ug/l	98
68) o-Xylene	11.95	106	289051	20.19	ug/l	88
69) Styrene	11.96	104	426392	19.41	ug/l	97
70) Isopropylbenzene	12.25	105	758361	19.87	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	159476	21.16	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	132988m	22.43	ug/l	
73) Bromobenzene	12.53	156	182136	19.26	ug/l	84
74) n-propylbenzene	12.59	91	805592	19.62	ug/l	95
75) 2-Chlorotoluene	12.68	91	478863	19.89	ug/l	95
76) 1,3,5-Trimethylbenzene	12.73	105	625323	19.81	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	31060	15.84	ug/l	96
78) 4-Chlorotoluene	12.77	91	453951	19.19	ug/l	92
79) tert-butylbenzene	12.99	119	571074	19.67	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	615888	19.52	ug/l	96
81) sec-Butylbenzene	13.17	105	738323	19.44	ug/l	98
82) p-Isopropyltoluene	13.29	119	645185	18.99	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	308413	18.49	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	283010	18.02	ug/l	98
85) n-Butylbenzene	13.62	91	470763	18.37	ug/l	96
86) Hexachloroethane	13.87	117	103858	17.73	ug/l	89
87) 1,2-Dichlorobenzene	13.65	146	306711	18.99	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20335	18.06	ug/l #	72
89) 1,2,4-Trichlorobenzene	14.91	180	114952	18.51	ug/l	98
90) Hexachlorobutadiene	15.01	225	94592	18.17	ug/l	96
91) Naphthalene	15.13	128	226964	18.81	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	125295	17.05	ug/l	93

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

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