

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101518\
 Data File : VN051872.D
 Acq On : 15 Oct 2018 14:22
 Operator : MD\SY
 Sample : VN1015WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 3:56:36 PM

Quant Time: Oct 16 01:45:24 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	7.19	128	132827	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	751516	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	662256	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	248577	30.76	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.53%
60) 4-Bromofluorobenzene	12.40	95	275706	28.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.23%
63) Toluene-d8	10.09	98	882868	30.70	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.33%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	111421	21.59	ug/l	99
3) Chloromethane	2.06	50	108263	19.85	ug/l	95
4) Vinyl Chloride	2.18	62	154694	18.99	ug/l	99
5) Bromomethane	2.57	94	80259	11.15	ug/l	86
6) Chloroethane	2.70	64	116183	19.79	ug/l	100
7) Trichlorofluoromethane	3.01	101	242838	20.91	ug/l	95
8) Diethyl Ether	3.41	74	70861	20.96	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	3.76	101	141122	21.34	ug/l #	41
10) 1,1-Dichloroethene	3.74	96	126981	20.76	ug/l	84
11) Methyl Iodide	3.95	142	97905	11.01	ug/l	93
12) Methyl Acetate	4.33	43	78314	20.62	ug/l	91
13) Acrolein	3.61	56	19984m	79.87	ug/l	
14) Acrylonitrile	4.99	53	163435	96.29	ug/l #	59
15) Acetone	3.82	58	43423	103.50	ug/l	94
16) Carbon Disulfide	4.05	76	301450	18.77	ug/l	97
17) Allyl chloride	4.33	41	137705	18.97	ug/l	74
18) Methylene Chloride	4.55	84	140263	20.51	ug/l	91
19) trans-1,2-Dichloroethene	5.04	96	140331	20.10	ug/l	84
20) Diisopropyl ether	5.95	45	318206	19.68	ug/l #	90
21) 1,1-Dichloroethane	5.85	63	227357	20.12	ug/l #	97
22) cis-1,2-Dichloroethene	6.83	96	162416	19.80	ug/l #	82
23) tert-Butyl Alcohol	4.79	59	41893	93.72	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	356561m	20.24	ug/l	
25) Chloroform	7.37	83	272995	20.37	ug/l	98
26) Cyclohexane	7.66	56	188759	19.71	ug/l #	73
29) 1,1-Dichloropropene	7.79	75	188599	19.47	ug/l	94
30) 2-Butanone	6.84	43	182813	90.29	ug/l #	86
31) 2,2-Dichloropropane	6.83	77	210000	18.43	ug/l #	77
32) 1,1,1-Trichloroethane	7.57	97	254267	19.80	ug/l	95
33) Carbon Tetrachloride	7.78	117	224123	19.29	ug/l	91
34) Benzene	8.04	78	578815	20.20	ug/l #	67
35) Methacrylonitrile	7.18	41	46042	17.31	ug/l	77
36) 1,2-Dichloroethane	8.13	62	188639m	20.55	ug/l	
37) Trichloroethene	8.84	130	176485	19.84	ug/l	97
38) Methylcyclohexane	9.08	83	238717	19.21	ug/l	79
39) 1,2-Dichloropropane	9.12	63	133612	19.80	ug/l	93
40) Dibromomethane	9.21	93	97656	19.50	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	203171	19.64	ug/l	95
42) Vinyl Acetate	5.90	43	1091100	95.73	ug/l #	89
43) Ethyl Acetate	6.93	43	83316	18.95	ug/l #	79
44) Isopropyl Acetate	8.17	43	174691	19.89	ug/l #	73
45) 1,4-Dioxane	9.20	88	27357	387.99	ug/l #	77
46) Methyl methacrylate	9.20	41	76104	18.79	ug/l	73
47) n-amyl Acetate	12.07	43	129541m	17.62	ug/l	
48) t-1,3-Dichloropropene	10.38	75	180169	17.86	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	212667	19.12	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	137441	19.86	ug/l	96
51) Ethyl methacrylate	10.43	69	150541	19.00	ug/l	86
52) 1,3-Dichloropropane	10.71	76	210996	19.76	ug/l	98
53) Dibromochloromethane	10.90	129	157539	18.40	ug/l	95
54) 1,2-Dibromoethane	11.01	107	141107	19.43	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	320251	94.56	ug/l #	92
56) Bromoform	12.13	173	95705	16.95	ug/l	95
58) 4-Methyl-2-Pentanone	9.99	43	448182	101.13	ug/l #	87
59) 2-Hexanone	10.75	43	274014	91.65	ug/l #	90
61) Tetrachloroethene	10.63	164	171247	20.22	ug/l	96
62) Toluene	10.16	91	696253	21.16	ug/l	98
64) Chlorobenzene	11.43	112	432852	20.09	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	164550	19.90	ug/l	99
66) Ethyl Benzene	11.51	91	720956	19.83	ug/l	98
67) m/p-Xylenes	11.62	106	570626	38.71	ug/l	99
68) o-Xylene	11.95	106	285175	19.62	ug/l	90
69) Styrene	11.96	104	425225	19.07	ug/l	97
70) Isopropylbenzene	12.25	105	761425	19.65	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	156383	20.43	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	128894m	21.41	ug/l	
73) Bromobenzene	12.53	156	184276	19.20	ug/l	83
74) n-propylbenzene	12.59	91	806869	19.36	ug/l	96
75) 2-Chlorotoluene	12.67	91	478265	19.57	ug/l	93
76) 1,3,5-Trimethylbenzene	12.73	105	624680	19.49	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	30574	15.35	ug/l	98
78) 4-Chlorotoluene	12.77	91	443954	18.49	ug/l	91
79) tert-butylbenzene	12.99	119	581854	19.74	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	627568	19.59	ug/l	98
81) sec-Butylbenzene	13.17	105	750160	19.46	ug/l	96
82) p-Isopropyltoluene	13.29	119	656763	19.04	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	316800	18.70	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	289433	18.15	ug/l	98
85) n-Butylbenzene	13.62	91	479184	18.42	ug/l	96
86) Hexachloroethane	13.87	117	104131	17.51	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	313502	19.12	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	21839	19.11	ug/l #	76
89) 1,2,4-Trichlorobenzene	14.91	180	121569	18.96	ug/l	99
90) Hexachlorobutadiene	15.01	225	101871	19.28	ug/l	97
91) Naphthalene	15.13	128	238143	19.15	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	133701	17.92	ug/l	93

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

