

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112918\
 Data File : VN052590.D
 Acq On : 30 Nov 2018 3:17
 Operator : MD\SY
 Sample : VN1129WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1129WBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 11:04:32 AM

Quant Time: Nov 30 04:30:25 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	171907	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	971770	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	839864	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	345700	29.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.37%
60) 4-Bromofluorobenzene	12.40	95	381962	29.75	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.17%
63) Toluene-d8	10.09	98	1174364	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	174200	17.792 ug/l	99
3) Chloromethane	2.06	50	232495	17.905 ug/l	100
4) Vinyl Chloride	2.19	62	242093	18.473 ug/l	97
5) Bromomethane	2.58	94	140139	18.754 ug/l	99
6) Chloroethane	2.71	64	148320	19.031 ug/l	99
7) Trichlorofluoromethane	3.02	101	302056	18.676 ug/l	99
8) Diethyl Ether	3.41	74	113958	19.082 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	180618	17.616 ug/l	97
10) 1,1-Dichloroethene	3.74	96	181114	18.787 ug/l	98
11) Methyl Iodide	3.96	142	253133	18.912 ug/l	99
12) Methyl Acetate	4.33	43	155733	19.013 ug/l	99
13) Acrolein	3.61	56	85781	89.155 ug/l	100
14) Acrylonitrile	4.99	53	330920	94.819 ug/l	97
15) Acetone	3.82	58	68992	76.333 ug/l	99
16) Carbon Disulfide	4.06	76	525757	17.226 ug/l	99
17) Allyl chloride	4.33	41	299790	17.832 ug/l	98
18) Methylene Chloride	4.55	84	209272	18.749 ug/l	96
19) trans-1,2-Dichloroethene	5.05	96	193192	18.622 ug/l	94
20) Diisopropyl ether	5.95	45	662830	18.761 ug/l	99
21) 1,1-Dichloroethane	5.85	63	378169	18.780 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	225904	19.000 ug/l	96
23) tert-Butyl Alcohol	4.78	59	53163	102.400 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	492208	19.463 ug/l	97
25) Chloroform	7.37	83	375211	19.314 ug/l	99
26) Cyclohexane	7.66	56	337802	17.786 ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	281274	18.954 ug/l	99
30) 2-Butanone	6.84	43	360028	90.666 ug/l	99
31) 2,2-Dichloropropane	6.83	77	213244	15.609 ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	295776	19.155 ug/l	98
33) Carbon Tetrachloride	7.78	117	260369	19.271 ug/l	97
34) Benzene	8.04	78	865358	19.395 ug/l	98
35) Methacrylonitrile	7.17	41	72785	14.774 ug/l	98
36) 1,2-Dichloroethane	8.12	62	260451	19.264 ug/l	99
37) Trichloroethene	8.84	130	221678	19.594 ug/l	96
38) Methylcyclohexane	9.08	83	320892	17.468 ug/l	98
39) 1,2-Dichloropropane	9.12	63	226141	18.908 ug/l	96
40) Dibromomethane	9.21	93	129779	20.080 ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	273953	19.185	ug/l	98
42) Vinyl Acetate	5.90	43	2033210	94.633	ug/l	99
43) Ethyl Acetate	6.93	43	166220	19.686	ug/l #	69
44) Isopropyl Acetate	8.17	43	301358	20.350	ug/l #	81
45) 1,4-Dioxane	9.20	88	36375	449.002	ug/l	91
46) Methyl methacrylate	9.20	41	151968	19.765	ug/l	100
47) n-amyl Acetate	12.07	43	233636	19.028	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	250063	18.061	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	305896	18.134	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	183066	19.982	ug/l	99
51) Ethyl methacrylate	10.43	69	226924	19.722	ug/l	97
52) 1,3-Dichloropropane	10.71	76	318195	19.513	ug/l	99
53) Dibromochloromethane	10.90	129	195897	19.422	ug/l	99
54) 1,2-Dibromoethane	11.01	107	180124	20.121	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	668059	99.190	ug/l	99
56) Bromoform	12.13	173	124941	18.951	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	843050	103.540	ug/l	99
59) 2-Hexanone	10.75	43	545319	98.042	ug/l	99
61) Tetrachloroethene	10.63	164	221929	21.455	ug/l	96
62) Toluene	10.16	91	909084	19.635	ug/l	99
64) Chlorobenzene	11.43	112	557200	19.717	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	196839	20.067	ug/l	98
66) Ethyl Benzene	11.51	91	967130	19.381	ug/l	98
67) m/p-Xylenes	11.62	106	727391	39.127	ug/l	98
68) o-Xylene	11.95	106	360521	19.980	ug/l	99
69) Styrene	11.97	104	564047	19.367	ug/l	99
70) Isopropylbenzene	12.25	105	945036	19.685	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	211029	20.207	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	181136m	20.205	ug/l	
73) Bromobenzene	12.53	156	234075	20.159	ug/l	95
74) n-propylbenzene	12.59	91	1058162	18.917	ug/l	99
75) 2-Chlorotoluene	12.68	91	635799	19.582	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	766892	19.777	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	48232	17.031	ug/l	96
78) 4-Chlorotoluene	12.77	91	619802	19.115	ug/l	99
79) tert-butylbenzene	12.99	119	675466	20.002	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	771329	19.879	ug/l	100
81) sec-Butylbenzene	13.17	105	903361	19.205	ug/l	100
82) p-Isopropyltoluene	13.29	119	766756	19.143	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	397879	19.483	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	382753	19.399	ug/l	99
85) n-Butylbenzene	13.62	91	604584	17.573	ug/l	99
86) Hexachloroethane	13.88	117	124728	18.379	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	388872	20.010	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	28837	19.713	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	179898	18.789	ug/l	99
90) Hexachlorobutadiene	15.01	225	123049	19.591	ug/l	99
91) Naphthalene	15.14	128	379664	19.636	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	174660	19.795	ug/l	98

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

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