

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082418\
 Data File : VN050865.D
 Acq On : 24 Aug 2018 10:02
 Operator : MD\SY
 Sample : VN0824WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0824WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/25/2018 1:18:26 PM

Quant Time: Aug 24 14:17:57 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	114958	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	611130	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	541207	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	220720	28.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.17%
60) 4-Bromofluorobenzene	12.40	95	244123	29.36	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.87%
63) Toluene-d8	10.09	98	779634	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	181357	22.893 ug/l	98
3) Chloromethane	2.06	50	199806	24.463 ug/l	100
4) Vinyl Chloride	2.18	62	193801	22.287 ug/l	97
5) Bromomethane	2.57	94	117437	22.154 ug/l	96
6) Chloroethane	2.70	64	111971	21.772 ug/l	97
7) Trichlorofluoromethane	3.01	101	253574	22.316 ug/l	100
8) Diethyl Ether	3.41	74	84183	22.086 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	159003	23.002 ug/l	100
10) 1,1-Dichloroethene	3.73	96	139648	22.784 ug/l	94
11) Methyl Iodide	3.95	142	113335	12.567 ug/l	99
12) Methyl Acetate	4.33	43	141996	20.224 ug/l	94
13) Acrolein	3.61	56	18703	43.104 ug/l #	57
14) Acrylonitrile	4.99	53	241792	103.206 ug/l	99
15) Acetone	3.82	58	63823	102.505 ug/l	82
16) Carbon Disulfide	4.05	76	425215	22.670 ug/l	100
17) Allyl chloride	4.32	41	211405	21.840 ug/l	95
18) Methylene Chloride	4.55	84	164641	23.278 ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	149220	22.740 ug/l	95
20) Diisopropyl ether	5.96	45	459566	23.155 ug/l	99
21) 1,1-Dichloroethane	5.85	63	278189	22.291 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	163647	22.488 ug/l	99
23) tert-Butyl Alcohol	4.79	59	46856	89.505 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	360556	21.570 ug/l	98
25) Chloroform	7.37	83	279264	22.105 ug/l	97
26) Cyclohexane	7.65	56	231542	23.348 ug/l #	99
29) 1,1-Dichloropropene	7.79	75	207923	21.923 ug/l	100
30) 2-Butanone	6.84	43	264494	88.871 ug/l	96
31) 2,2-Dichloropropane	6.83	77	221075	21.088 ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	235322	21.080 ug/l	99
33) Carbon Tetrachloride	7.77	117	211893	21.293 ug/l	99
34) Benzene	8.04	78	644747	22.384 ug/l	97
35) Methacrylonitrile	7.18	41	52571	15.514 ug/l	98
36) 1,2-Dichloroethane	8.13	62	190387	20.131 ug/l	99
37) Trichloroethene	8.84	130	166473	22.037 ug/l	99
38) Methylcyclohexane	9.08	83	218354	21.839 ug/l	99
39) 1,2-Dichloropropane	9.12	63	168326	22.184 ug/l	98
40) Dibromomethane	9.21	93	98655	21.037 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	209934	21.222	ug/l	99
42) Vinyl Acetate	5.90	43	1403388	100.206	ug/l	100
43) Ethyl Acetate	6.93	43	119130	19.169	ug/l	94
45) 1,4-Dioxane	9.20	88	29474	389.061	ug/l	93
46) Methyl methacrylate	9.20	41	102587	18.382	ug/l	97
47) n-amyl Acetate	12.07	43	157370	17.567	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	199449	21.153	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	237931	21.476	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	141060	20.956	ug/l	97
51) Ethyl methacrylate	10.43	69	156306	19.131	ug/l	96
52) 1,3-Dichloropropane	10.71	76	233694	21.142	ug/l	100
53) Dibromochloromethane	10.90	129	156473	20.483	ug/l	97
54) 1,2-Dibromoethane	11.01	107	136744	20.742	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	325689	88.078	ug/l	99
56) Bromoform	12.13	173	107021	19.840	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	598252	94.999	ug/l	98
59) 2-Hexanone	10.75	43	383233	89.202	ug/l	99
61) Tetrachloroethene	10.63	164	151129	20.616	ug/l	98
62) Toluene	10.16	91	683412	22.133	ug/l	99
64) Chlorobenzene	11.43	112	418683	22.360	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	157407	21.553	ug/l	99
66) Ethyl Benzene	11.51	91	686783	21.764	ug/l	100
67) m/p-Xylenes	11.62	106	544158	44.810	ug/l	98
68) o-Xylene	11.95	106	258812	22.400	ug/l	99
69) Styrene	11.96	104	401382	21.670	ug/l	99
70) Isopropylbenzene	12.25	105	677683	22.023	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	176406	20.880	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	142594m	19.761	ug/l	
73) Bromobenzene	12.53	156	178557	21.783	ug/l	97
74) n-propylbenzene	12.59	91	757195	21.128	ug/l	99
75) 2-Chlorotoluene	12.67	91	469903	21.830	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	570993	22.592	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	40587	17.204	ug/l	100
78) 4-Chlorotoluene	12.77	91	454739	21.318	ug/l	98
79) tert-butylbenzene	12.99	119	472025	21.845	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	566751	22.133	ug/l	99
81) sec-Butylbenzene	13.17	105	624577	21.278	ug/l	100
82) p-Isopropyltoluene	13.29	119	540394	21.576	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	291771	20.442	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	270979	20.090	ug/l	99
85) n-Butylbenzene	13.62	91	386564	19.018	ug/l	99
86) Hexachloroethane	13.87	117	101789	20.337	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	288833	20.702	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22591	17.164	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	106510	15.983	ug/l	99
90) Hexachlorobutadiene	15.01	225	88748	20.199	ug/l	98
91) Naphthalene	15.13	128	200237	17.227	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	112445	16.592	ug/l	99

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

