

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050670.D
 Acq On : 15 Aug 2018 22:14
 Operator : MD\SY
 Sample : VN0815WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0815WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 1:18:58 PM

Quant Time: Aug 16 04:38:21 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	121517	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	639682	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	553365	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	243946	29.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.43%
60) 4-Bromofluorobenzene	12.40	95	250050	29.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.03%
63) Toluene-d8	10.09	98	813626	30.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.60%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	132994	15.88	ug/l	94
3) Chloromethane	2.06	50	170895	19.79	ug/l	98
4) Vinyl Chloride	2.18	62	179997	19.58	ug/l	99
5) Bromomethane	2.56	94	101631	18.14	ug/l	99
6) Chloroethane	2.70	64	109491	20.14	ug/l	100
7) Trichlorofluoromethane	3.01	101	239433	19.93	ug/l	97
8) Diethyl Ether	3.41	74	82698	20.53	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	148031	20.26	ug/l	100
10) 1,1-Dichloroethene	3.74	96	132140	20.40	ug/l	93
11) Methyl Iodide	3.95	142	84060	8.82	ug/l	97
12) Methyl Acetate	4.33	43	129980	17.51	ug/l	99
13) Acrolein	3.61	56	15066	32.85	ug/l	93
14) Acrylonitrile	4.99	53	248359	100.29	ug/l	99
15) Acetone	3.82	58	75701	115.02	ug/l	89
16) Carbon Disulfide	4.05	76	404580	20.41	ug/l	99
17) Allyl chloride	4.32	41	197408	19.29	ug/l	97
18) Methylene Chloride	4.55	84	157020	21.00	ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	146833	21.17	ug/l	97
20) Diisopropyl ether	5.96	45	458239	21.84	ug/l	98
21) 1,1-Dichloroethane	5.85	63	271262	20.56	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	161717	21.02	ug/l	97
23) tert-Butyl Alcohol	4.80	59	51199	92.52	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	364000	20.60	ug/l	99
25) Chloroform	7.37	83	278060	20.82	ug/l	99
26) Cyclohexane	7.65	56	219242	20.91	ug/l	# 98
29) 1,1-Dichloropropene	7.80	75	203103	20.46	ug/l	99
30) 2-Butanone	6.84	43	353679	113.53	ug/l	98
31) 2,2-Dichloropropane	6.83	77	168501	15.36	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	236980	20.28	ug/l	99
33) Carbon Tetrachloride	7.78	117	207925	19.96	ug/l	99
34) Benzene	8.04	78	626712	20.79	ug/l	99
35) Methacrylonitrile	7.17	41	64532	18.19	ug/l	99
36) 1,2-Dichloroethane	8.13	62	196611	19.86	ug/l	99
37) Trichloroethene	8.84	130	158212	20.01	ug/l	100
38) Methylcyclohexane	9.08	83	201461	19.25	ug/l	100
39) 1,2-Dichloropropane	9.12	63	165170	20.80	ug/l	98
40) Dibromomethane	9.21	93	98194	20.00	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	208277	20.12	ug/l	96
42) Vinyl Acetate	5.90	43	1495942	102.05	ug/l	100
43) Ethyl Acetate	6.93	43	133437	20.51	ug/l	98
44) Isopropyl Acetate	8.17	43	227824	18.91	ug/l	100
45) 1,4-Dioxane	9.20	88	29179	367.98	ug/l	91
46) Methyl methacrylate	9.20	41	105183	18.01	ug/l	97
47) n-amyl Acetate	12.07	43	175011	18.66	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	189346	19.19	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	225129	19.41	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	142812	20.27	ug/l	98
51) Ethyl methacrylate	10.43	69	165635	19.37	ug/l	97
52) 1,3-Dichloropropane	10.71	76	231132	19.98	ug/l	100
53) Dibromochloromethane	10.90	129	155883	19.49	ug/l	99
54) 1,2-Dibromoethane	11.01	107	134794	19.53	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	389851	100.72	ug/l	99
56) Bromoform	12.13	173	105279	18.65	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	808313	125.54	ug/l	99
59) 2-Hexanone	10.75	43	516211	117.51	ug/l	100
61) Tetrachloroethene	10.63	164	154956	20.67	ug/l	99
62) Toluene	10.16	91	659839	20.90	ug/l	100
64) Chlorobenzene	11.44	112	400434	20.92	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	155050	20.76	ug/l	99
66) Ethyl Benzene	11.51	91	653735	20.26	ug/l	99
67) m/p-Xylenes	11.62	106	518925	41.79	ug/l	100
68) o-Xylene	11.95	106	243354	20.60	ug/l	99
69) Styrene	11.97	104	396943	20.96	ug/l	99
70) Isopropylbenzene	12.25	105	646704	20.55	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	175850	20.36	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	154858m	20.99	ug/l	
73) Bromobenzene	12.53	156	169081	20.17	ug/l	99
74) n-propylbenzene	12.59	91	737569	20.13	ug/l	99
75) 2-Chlorotoluene	12.68	91	453342	20.60	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	538083	20.82	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	36458	15.11	ug/l	92
78) 4-Chlorotoluene	12.77	91	444811	20.39	ug/l	98
79) tert-butylbenzene	12.99	119	440249	19.93	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	542670	20.73	ug/l	99
81) sec-Butylbenzene	13.17	105	592747	19.75	ug/l	99
82) p-Isopropyltoluene	13.29	119	510535	19.94	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	290535	19.91	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	270932	19.65	ug/l	99
85) n-Butylbenzene	13.62	91	376048	18.09	ug/l	99
86) Hexachloroethane	13.88	117	93561	18.28	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	290817	20.39	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	24625	18.30	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	121556	17.84	ug/l	99
90) Hexachlorobutadiene	15.01	225	85419	19.01	ug/l	97
91) Naphthalene	15.14	128	250044	19.35	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	125639	18.13	ug/l	99

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

