

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050128.D
 Acq On : 27 Jul 2018 13:15
 Operator : MD\SY
 Sample : VN0727WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0727WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 1:37:16 PM

Quant Time: Jul 27 23:19:02 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	140911	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	757879	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	658670	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	287906	30.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.20%
60) 4-Bromofluorobenzene	12.40	95	297647	29.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.03%
63) Toluene-d8	10.09	98	917057	29.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	185704	19.124	ug/l 99
3) Chloromethane	2.06	50	166236	16.604	ug/l 99
4) Vinyl Chloride	2.18	62	187036	17.547	ug/l 97
5) Bromomethane	2.56	94	71541	11.010	ug/l 98
6) Chloroethane	2.70	64	112905	17.910	ug/l 100
7) Trichlorofluoromethane	3.01	101	256877	18.443	ug/l 99
8) Diethyl Ether	3.41	74	90901	19.456	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	156883	18.515	ug/l 99
10) 1,1-Dichloroethene	3.73	96	138907	18.489	ug/l 93
11) Methyl Iodide	3.95	142	67338	6.091	ug/l 99
12) Methyl Acetate	4.33	43	181090	21.042	ug/l 95
13) Acrolein	3.61	56	27861	52.383	ug/l 95
14) Acrylonitrile	5.00	53	274549	95.604	ug/l 98
15) Acetone	3.82	58	73586	96.418	ug/l 100
16) Carbon Disulfide	4.05	76	390105	16.967	ug/l 99
17) Allyl chloride	4.32	41	217539	18.335	ug/l 97
18) Methylene Chloride	4.55	84	158574	18.291	ug/l 99
19) trans-1,2-Dichloroethene	5.04	96	149697	18.611	ug/l 96
20) Diisopropyl ether	5.96	45	464157	19.079	ug/l 98
21) 1,1-Dichloroethane	5.85	63	280937	18.365	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	168616	18.903	ug/l 100
23) tert-Butyl Alcohol	4.80	59	70084	109.219	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	416002	20.304	ug/l 98
25) Chloroform	7.37	83	287176	18.545	ug/l 98
26) Cyclohexane	7.65	56	223163	18.358	ug/l # 100
29) 1,1-Dichloropropene	7.80	75	208307	17.711	ug/l 99
30) 2-Butanone	6.84	43	337387	91.413	ug/l 97
31) 2,2-Dichloropropane	6.83	77	231397	17.798	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	247592	17.884	ug/l 99
33) Carbon Tetrachloride	7.78	117	216225	17.521	ug/l 99
34) Benzene	8.04	78	634929	17.775	ug/l 99
35) Methacrylonitrile	7.18	41	73135	17.404	ug/l 97
36) 1,2-Dichloroethane	8.13	62	213988	18.246	ug/l 99
37) Trichloroethene	8.84	130	168032	17.936	ug/l 97
38) Methylcyclohexane	9.09	83	221478	17.862	ug/l 97
39) 1,2-Dichloropropane	9.12	63	165625	17.601	ug/l 99
40) Dibromomethane	9.21	93	105908	18.211	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.41	83	220040	17.937	ug/l	97
42) Vinyl Acetate	5.90	43	1589913	91.543	ug/l	99
43) Ethyl Acetate	6.93	43	146638	19.027	ug/l #	90
44) Isopropyl Acetate	8.17	43	291111	20.390	ug/l	96
45) 1,4-Dioxane	9.20	88	37836	402.733	ug/l	99
46) Methyl methacrylate	9.20	41	131932	19.062	ug/l	97
47) n-amyl Acetate	12.07	43	199289	17.939	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	217273	18.581	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	248029	18.053	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	153625	18.403	ug/l	98
51) Ethyl methacrylate	10.43	69	187943	18.549	ug/l	99
52) 1,3-Dichloropropane	10.71	76	252136	18.393	ug/l	98
53) Dibromochloromethane	10.90	129	167357	17.665	ug/l	99
54) 1,2-Dibromoethane	11.01	107	150354	18.390	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	428679	93.482	ug/l	99
56) Bromoform	12.13	173	116799	17.460	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	744443	97.132	ug/l	98
59) 2-Hexanone	10.75	43	495389	94.744	ug/l	99
61) Tetrachloroethene	10.63	164	157546	17.659	ug/l	98
62) Toluene	10.16	91	680333	18.104	ug/l	100
64) Chlorobenzene	11.44	112	419034	18.388	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	159886	17.988	ug/l	99
66) Ethyl Benzene	11.51	91	706251	18.390	ug/l	99
67) m/p-Xylenes	11.62	106	550575	37.253	ug/l	98
68) o-Xylene	11.95	106	268424	19.089	ug/l	99
69) Styrene	11.97	104	411423	18.251	ug/l	100
70) Isopropylbenzene	12.25	105	704343	18.807	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	197175	19.176	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	168312m	19.166	ug/l	
73) Bromobenzene	12.53	156	181534	18.197	ug/l	100
74) n-propylbenzene	12.59	91	789978	18.112	ug/l	100
75) 2-Chlorotoluene	12.68	91	482945	18.435	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	580373	18.868	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	47928	16.693	ug/l	94
78) 4-Chlorotoluene	12.78	91	471217	18.151	ug/l	100
79) tert-butylbenzene	12.99	119	502896	19.123	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	587329	18.846	ug/l	100
81) sec-Butylbenzene	13.17	105	657494	18.404	ug/l	100
82) p-Isopropyltoluene	13.29	119	572754	18.790	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	310967	17.901	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	293765	17.895	ug/l	99
85) n-Butylbenzene	13.62	91	429656	17.368	ug/l	99
86) Hexachloroethane	13.88	117	102472	16.823	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	308252	18.154	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	30591	19.098	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	140190	17.286	ug/l	98
90) Hexachlorobutadiene	15.01	225	98332	18.389	ug/l	97
91) Naphthalene	15.14	128	339452	20.994	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	151707	18.393	ug/l	99

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

