

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112718\
 Data File : VN052499.D
 Acq On : 28 Nov 2018 1:12
 Operator : MD\SY
 Sample : VN1127WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/28/2018 9:32:36 AM

Quant Time: Nov 28 07:31:47 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	174411	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1012127	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	870463	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	349254	29.39	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.97%
60) 4-Bromofluorobenzene	12.40	95	392468	29.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.30%
63) Toluene-d8	10.09	98	1214292	30.09	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	188277	18.95	ug/l	100
3) Chloromethane	2.06	50	250535	19.02	ug/l	99
4) Vinyl Chloride	2.19	62	257268	19.35	ug/l	98
5) Bromomethane	2.58	94	147830	19.50	ug/l	99
6) Chloroethane	2.71	64	155707	19.69	ug/l	100
7) Trichlorofluoromethane	3.02	101	316441	19.28	ug/l	100
8) Diethyl Ether	3.41	74	118021	19.48	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	193565	18.61	ug/l	97
10) 1,1-Dichloroethene	3.74	96	190388	19.47	ug/l	97
11) Methyl Iodide	3.96	142	263486	19.40	ug/l	99
12) Methyl Acetate	4.33	43	158126	19.03	ug/l	96
13) Acrolein	3.61	56	90645	92.86	ug/l	100
14) Acrylonitrile	4.99	53	344049	97.17	ug/l	99
15) Acetone	3.82	58	74211	80.93	ug/l	98
16) Carbon Disulfide	4.06	76	555443	17.94	ug/l	100
17) Allyl chloride	4.33	41	293690	17.22	ug/l	97
18) Methylene Chloride	4.56	84	219105	19.35	ug/l	96
19) trans-1,2-Dichloroethene	5.05	96	204461	19.43	ug/l	95
20) Diisopropyl ether	5.95	45	684762	19.10	ug/l	98
21) 1,1-Dichloroethane	5.85	63	393653	19.27	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	234206	19.42	ug/l	97
23) tert-Butyl Alcohol	4.78	59	57198	108.59	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	517512	20.17	ug/l	99
25) Chloroform	7.37	83	394682	20.02	ug/l	100
26) Cyclohexane	7.65	56	361717	18.77	ug/l #	98
29) 1,1-Dichloropropene	7.79	75	293937	19.02	ug/l	100
30) 2-Butanone	6.83	43	374112	90.46	ug/l	97
31) 2,2-Dichloropropane	6.83	77	236148	16.60	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	311360	19.36	ug/l	98
33) Carbon Tetrachloride	7.77	117	268680	19.09	ug/l	99
34) Benzene	8.04	78	901447	19.40	ug/l	99
35) Methacrylonitrile	7.17	41	92151	17.96	ug/l	97
36) 1,2-Dichloroethane	8.12	62	270681	19.22	ug/l	99
37) Trichloroethene	8.84	130	230371	19.55	ug/l	97
38) Methylcyclohexane	9.08	83	352092	18.40	ug/l	98
39) 1,2-Dichloropropane	9.12	63	237131	19.04	ug/l	97
40) Dibromomethane	9.21	93	134476	19.98	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	285168	19.17	ug/l	98
42) Vinyl Acetate	5.90	43	2111552	94.36	ug/l	98
43) Ethyl Acetate	6.93	43	183267	20.84	ug/l #	72
44) Isopropyl Acetate	8.16	43	316765	20.54	ug/l	98
45) 1,4-Dioxane	9.20	88	35709	423.21	ug/l	94
46) Methyl methacrylate	9.20	41	157788	19.70	ug/l	98
47) n-amyl Acetate	12.07	43	241333	18.87	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	264427	18.34	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	322222	18.34	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	190788	19.99	ug/l	99
51) Ethyl methacrylate	10.43	69	236892	19.77	ug/l	96
52) 1,3-Dichloropropane	10.71	76	332808	19.60	ug/l	98
53) Dibromochloromethane	10.90	129	202503	19.28	ug/l	97
54) 1,2-Dibromoethane	11.01	107	185185	19.86	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	702245	100.11	ug/l	99
56) Bromoform	12.13	173	132456	19.29	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	878343	104.08	ug/l	99
59) 2-Hexanone	10.75	43	561716	97.44	ug/l	98
61) Tetrachloroethene	10.63	164	226035	21.08	ug/l	95
62) Toluene	10.16	91	969520	20.20	ug/l	100
64) Chlorobenzene	11.44	112	581089	19.84	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	201436	19.81	ug/l	99
66) Ethyl Benzene	11.51	91	1022217	19.77	ug/l	98
67) m/p-Xylenes	11.62	106	777255	40.34	ug/l	99
68) o-Xylene	11.95	106	382094	20.43	ug/l	98
69) Styrene	11.97	104	591872	19.61	ug/l	99
70) Isopropylbenzene	12.25	105	1001629	20.13	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	225090	20.80	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	190030m	20.45	ug/l	
73) Bromobenzene	12.53	156	242421	20.14	ug/l	97
74) n-propylbenzene	12.59	91	1125596	19.41	ug/l	99
75) 2-Chlorotoluene	12.68	91	677198	20.12	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	806797	20.07	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	51722	17.62	ug/l	93
78) 4-Chlorotoluene	12.77	91	652948	19.43	ug/l	100
79) tert-butylbenzene	12.99	119	712015	20.34	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	807016	20.07	ug/l	100
81) sec-Butylbenzene	13.17	105	955906	19.61	ug/l	100
82) p-Isopropyltoluene	13.29	119	811936	19.56	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	412855	19.51	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	397689	19.45	ug/l	99
85) n-Butylbenzene	13.62	91	640091	17.95	ug/l	99
86) Hexachloroethane	13.88	117	130578	18.56	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	401920	19.95	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	30651	20.22	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	180548	18.19	ug/l	99
90) Hexachlorobutadiene	15.01	225	125410	19.27	ug/l	99
91) Naphthalene	15.14	128	374132	18.67	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	172781	18.89	ug/l	97

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

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