

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110118\
 Data File : VN052099.D
 Acq On : 1 Nov 2018 13:20
 Operator : MD\SY
 Sample : VN1101WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1101WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:21:26 AM

Quant Time: Nov 02 06:56:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	60024	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	359807	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	321051	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	134108	30.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.33%
60) 4-Bromofluorobenzene	12.40	95	153523	29.89	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.63%
63) Toluene-d8	10.09	98	450871	29.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.53%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	78735	19.640 ug/l	97
3) Chloromethane	2.06	50	90370	19.724 ug/l	100
4) Vinyl Chloride	2.19	62	90410	20.115 ug/l	93
5) Bromomethane	2.57	94	63944	20.843 ug/l	96
6) Chloroethane	2.71	64	56223	19.563 ug/l	99
7) Trichlorofluoromethane	3.02	101	119560	19.643 ug/l	95
8) Diethyl Ether	3.41	74	41320	20.106 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	71288m	20.039 ug/l	
10) 1,1-Dichloroethene	3.74	96	63873	19.242 ug/l	95
11) Methyl Iodide	3.96	142	88641	18.470 ug/l	93
12) Methyl Acetate	4.33	43	57299	20.508 ug/l	99
13) Acrolein	3.61	56	27714	93.519 ug/l	98
14) Acrylonitrile	4.99	53	119998	96.850 ug/l	98
15) Acetone	3.82	58	29047	99.193 ug/l	85
16) Carbon Disulfide	4.06	76	180094	18.375 ug/l	95
17) Allyl chloride	4.33	41	104313	18.509 ug/l	95
18) Methylene Chloride	4.55	84	79249	19.343 ug/l	94
19) trans-1,2-Dichloroethene	5.05	96	71059	19.538 ug/l	96
20) Diisopropyl ether	5.95	45	246338	20.114 ug/l	98
21) 1,1-Dichloroethane	5.85	63	137753	19.247 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	81852	19.273 ug/l	99
23) tert-Butyl Alcohol	4.79	59	19823	102.685 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	189603	20.148 ug/l	99
25) Chloroform	7.37	83	141577	19.700 ug/l	100
26) Cyclohexane	7.66	56	124912	19.469 ug/l #	95
29) 1,1-Dichloropropene	7.80	75	104730	18.334 ug/l	97
30) 2-Butanone	6.84	43	148751	97.781 ug/l #	73
31) 2,2-Dichloropropane	6.83	77	107930	18.342 ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	118389	18.523 ug/l	98
33) Carbon Tetrachloride	7.77	117	101761	17.902 ug/l	95
34) Benzene	8.05	78	318546	19.045 ug/l	97
35) Methacrylonitrile	7.17	41	39761	19.055 ug/l #	70
36) 1,2-Dichloroethane	8.13	62	103643	18.533 ug/l	97
37) Trichloroethene	8.84	130	76853	18.358 ug/l	93
38) Methylcyclohexane	9.08	83	124070	17.804 ug/l	99
39) 1,2-Dichloropropane	9.12	63	83095	18.663 ug/l	93
40) Dibromomethane	9.21	93	52042	18.963 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	103644	18.458	ug/l	99
42) Vinyl Acetate	5.90	43	851298	95.588	ug/l	100
43) Ethyl Acetate	6.84	43	149049m	19.496	ug/l	
44) Isopropyl Acetate	8.17	43	127104	20.080	ug/l	92
45) 1,4-Dioxane	9.20	88	12687	439.361	ug/l #	82
46) Methyl methacrylate	9.20	41	65424	20.764	ug/l	91
47) n-amyl Acetate	12.07	43	106719	18.600	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	101024	18.118	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	117971	18.331	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	68980	19.008	ug/l	98
51) Ethyl methacrylate	10.43	69	87552	18.667	ug/l	98
52) 1,3-Dichloropropane	10.71	76	120481	19.059	ug/l	98
53) Dibromochloromethane	10.90	129	72582	18.526	ug/l	96
54) 1,2-Dibromoethane	11.01	107	68668	18.659	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	256319	99.798	ug/l	99
56) Bromoform	12.13	173	38476	17.003	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	338197	98.307	ug/l	100
59) 2-Hexanone	10.75	43	223149	94.207	ug/l	99
61) Tetrachloroethene	10.63	164	65276	18.695	ug/l	93
62) Toluene	10.16	91	346342	19.217	ug/l	98
64) Chlorobenzene	11.43	112	213541	18.695	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	70829	18.219	ug/l	98
66) Ethyl Benzene	11.51	91	368136	18.910	ug/l	98
67) m/p-Xylenes	11.62	106	282624	37.709	ug/l	99
68) o-Xylene	11.95	106	135607	18.978	ug/l	99
69) Styrene	11.96	104	218583	18.983	ug/l	99
70) Isopropylbenzene	12.25	105	364599	19.007	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	81241	19.255	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	74200m	20.001	ug/l	
73) Bromobenzene	12.53	156	78844	18.549	ug/l	98
74) n-propylbenzene	12.59	91	417657	18.697	ug/l	98
75) 2-Chlorotoluene	12.67	91	243865	18.936	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	293884	19.106	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	19923	17.164	ug/l	96
78) 4-Chlorotoluene	12.77	91	247225	19.063	ug/l	99
79) tert-butylbenzene	12.99	119	257476	19.216	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	291824	19.044	ug/l	97
81) sec-Butylbenzene	13.17	105	345304	18.726	ug/l	100
82) p-Isopropyltoluene	13.29	119	291470	18.704	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	144180	19.177	ug/l	95
84) 1,4-Dichlorobenzene	13.36	146	140024	18.813	ug/l	96
85) n-Butylbenzene	13.62	91	246634	18.286	ug/l	99
86) Hexachloroethane	13.87	117	47045	17.890	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	132327	18.525	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	10802	18.723	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	51094	17.621	ug/l	99
90) Hexachlorobutadiene	15.01	225	29586	18.650	ug/l	97
91) Naphthalene	15.13	128	120643	18.051	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	46904	18.560	ug/l	99

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

