

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110118\
 Data File : VN052092.D
 Acq On : 1 Nov 2018 9:15
 Operator : MD\SY
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:21:05 AM

Quant Time: Nov 02 05:28:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:15:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	63864	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	371532	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	339135	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	141607	29.88	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.60%
60) 4-Bromofluorobenzene	12.40	95	162810	30.01	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.03%
63) Toluene-d8	10.09	98	482624	30.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.87%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	214627	50.318	ug/l 97
3) Chloromethane	2.06	50	241680	49.576	ug/l 99
4) Vinyl Chloride	2.19	62	235372	49.218	ug/l 96
5) Bromomethane	2.56	94	156282	47.878	ug/l 95
6) Chloroethane	2.71	64	149543	48.905	ug/l 97
7) Trichlorofluoromethane	3.02	101	313357	48.388	ug/l 99
8) Diethyl Ether	3.41	74	102796	47.012	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	180473	47.681	ug/l 97
10) 1,1-Dichloroethene	3.74	96	170066	48.154	ug/l 98
11) Methyl Iodide	3.96	142	253302	49.605	ug/l 98
12) Methyl Acetate	4.33	43	138959	45.291	ug/l 99
13) Acrolein	3.61	56	73019	228.980	ug/l 98
14) Acrylonitrile	4.99	53	311666	236.422	ug/l 99
15) Acetone	3.82	58	69003	221.470	ug/l 92
16) Carbon Disulfide	4.06	76	511706	49.070	ug/l 97
17) Allyl chloride	4.33	41	283301	47.245	ug/l 96
18) Methylene Chloride	4.55	84	206043	47.266	ug/l 94
19) trans-1,2-Dichloroethene	5.05	96	189743	49.034	ug/l 97
20) Diisopropyl ether	5.95	45	651666	49.983	ug/l 98
21) 1,1-Dichloroethane	5.85	63	373375	49.031	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	224733	49.734	ug/l 99
23) tert-Butyl Alcohol	4.78	59	44546	214.180	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	487650	48.705	ug/l 99
25) Chloroform	7.37	83	376283	49.211	ug/l 96
26) Cyclohexane	7.66	56	335864	49.201	ug/l # 95
29) 1,1-Dichloropropene	7.80	75	291439	49.408	ug/l 98
30) 2-Butanone	6.83	43	364301	231.914	ug/l # 77
31) 2,2-Dichloropropane	6.83	77	294712	48.478	ug/l # 80
32) 1,1,1-Trichloroethane	7.57	97	325374	49.300	ug/l 98
33) Carbon Tetrachloride	7.78	117	284982	48.553	ug/l 97
34) Benzene	8.04	78	849547	49.188	ug/l # 94
35) Methacrylonitrile	7.17	41	101159	31.825	ug/l # 66
36) 1,2-Dichloroethane	8.12	62	276577	47.894	ug/l 100
37) Trichloroethene	8.84	130	213029	49.280	ug/l 92
38) Methylcyclohexane	9.08	83	348429	48.423	ug/l 98
39) 1,2-Dichloropropane	9.12	63	223972	48.716	ug/l 94
40) Dibromomethane	9.21	93	136954	48.327	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	287130	49.520	ug/l	98
42) Vinyl Acetate	5.90	43	2251282	244.808	ug/l	99
43) Ethyl Acetate	6.83	43	364301	33.318	ug/l #	86
44) Isopropyl Acetate	8.16	43	309682	47.380	ug/l	93
45) 1,4-Dioxane	9.20	88	27113	909.314	ug/l #	81
46) Methyl methacrylate	9.20	41	157385	48.374	ug/l	97
47) n-amyl Acetate	12.07	43	292764	49.375	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	282859	49.128	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	331226	49.842	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	183207	48.890	ug/l	97
51) Ethyl methacrylate	10.43	69	236702	48.874	ug/l	98
52) 1,3-Dichloropropane	10.71	76	315282	48.301	ug/l	100
53) Dibromochloromethane	10.90	129	201033	49.692	ug/l	100
54) 1,2-Dibromoethane	11.01	107	185472	48.808	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	663069	250.020	ug/l	99
56) Bromoform	12.13	173	116412	49.821	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	853133	234.764	ug/l	100
59) 2-Hexanone	10.75	43	578921	231.370	ug/l	99
61) Tetrachloroethene	10.63	164	177131	48.025	ug/l	98
62) Toluene	10.16	91	935394	49.134	ug/l	99
64) Chlorobenzene	11.43	112	582894	48.310	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	203584	49.574	ug/l	99
66) Ethyl Benzene	11.51	91	1018615	49.534	ug/l	99
67) m/p-Xylenes	11.62	106	787495	99.468	ug/l	98
68) o-Xylene	11.95	106	382180	50.632	ug/l	94
69) Styrene	11.96	104	609485	50.108	ug/l	97
70) Isopropylbenzene	12.25	105	1012279	49.957	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	216372	48.548	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	178686m	48.215	ug/l	
73) Bromobenzene	12.53	156	226994	50.557	ug/l	93
74) n-propylbenzene	12.59	91	1174863	49.790	ug/l	99
75) 2-Chlorotoluene	12.67	91	669761	49.233	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	815193	50.172	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	60382	49.245	ug/l	93
78) 4-Chlorotoluene	12.77	91	689844	50.356	ug/l	99
79) tert-butylbenzene	12.99	119	713670	50.423	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	813005	50.227	ug/l	98
81) sec-Butylbenzene	13.17	105	978450	50.233	ug/l	99
82) p-Isopropyltoluene	13.29	119	841467	51.119	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	401013	50.494	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	395948	50.362	ug/l	98
85) n-Butylbenzene	13.62	91	716714	50.306	ug/l	99
86) Hexachloroethane	13.88	117	138456	49.843	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	383411	50.813	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	30131	49.441	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	155071	50.628	ug/l	98
90) Hexachlorobutadiene	15.01	225	80080	47.787	ug/l	96
91) Naphthalene	15.13	128	349675	49.530	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	130444	48.864	ug/l	98

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

