

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091818\
 Data File : VN051293.D
 Acq On : 18 Sep 2018 13:22
 Operator : MD\SY
 Sample : VN0918WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0918WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 2:57:07 PM

Quant Time: Sep 18 14:59:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	109384	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	573482	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	498842	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	196792	28.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.97%
60) 4-Bromofluorobenzene	12.40	95	211898	28.57	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.23%
63) Toluene-d8	10.09	98	711536	30.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.97%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	102622	15.107	ug/l 98
3) Chloromethane	2.06	50	137853	17.186	ug/l 99
4) Vinyl Chloride	2.19	62	136958	17.281	ug/l 99
5) Bromomethane	2.57	94	78899	16.332	ug/l 100
6) Chloroethane	2.70	64	83342	17.828	ug/l 98
7) Trichlorofluoromethane	3.01	101	191874	18.262	ug/l 100
8) Diethyl Ether	3.41	74	62348	16.831	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	116305	17.875	ug/l 97
10) 1,1-Dichloroethene	3.74	96	105433	17.838	ug/l 99
11) Methyl Iodide	3.95	142	94545	17.144	ug/l 98
12) Methyl Acetate	4.33	43	83542	12.224	ug/l 99
13) Acrolein	3.61	56	41141	271.849	ug/l 100
14) Acrylonitrile	5.00	53	170707	73.874	ug/l 97
15) Acetone	3.82	58	40743	68.903	ug/l 88
16) Carbon Disulfide	4.05	76	320196	18.017	ug/l 99
17) Allyl chloride	4.33	41	151187	16.257	ug/l 97
18) Methylene Chloride	4.55	84	123053	17.737	ug/l 99
19) trans-1,2-Dichloroethene	5.04	96	112312	17.835	ug/l 96
20) Diisopropyl ether	5.96	45	332803	17.240	ug/l 99
21) 1,1-Dichloroethane	5.85	63	207758	17.553	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	126814	17.827	ug/l 98
23) tert-Butyl Alcohol	4.79	59	33894	68.970	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	268886	16.633	ug/l 100
25) Chloroform	7.37	83	213672	18.087	ug/l 96
26) Cyclohexane	7.66	56	167672	17.099	ug/l # 100
29) 1,1-Dichloropropene	7.80	75	155679	18.133	ug/l 99
30) 2-Butanone	6.84	43	180169	68.215	ug/l 98
31) 2,2-Dichloropropane	6.83	77	155749	18.643	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	182652	18.761	ug/l 98
33) Carbon Tetrachloride	7.78	117	164484	18.760	ug/l 96
34) Benzene	8.04	78	476674	17.947	ug/l 99
35) Methacrylonitrile	7.18	41	39549	13.667	ug/l 94
36) 1,2-Dichloroethane	8.13	62	145972	18.172	ug/l 99
37) Trichloroethene	8.84	130	130991	18.869	ug/l 97
38) Methylcyclohexane	9.08	83	164856	17.878	ug/l 97
39) 1,2-Dichloropropane	9.12	63	126986	18.306	ug/l 96
40) Dibromomethane	9.21	93	75953	18.177	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	159230	18.077	ug/l	99
42) Vinyl Acetate	5.90	43	1030063	84.670	ug/l	98
43) Ethyl Acetate	6.93	43	81652	15.091	ug/l	97
44) Isopropyl Acetate	8.17	43	149993	15.710	ug/l #	75
45) 1,4-Dioxane	9.20	88	20842	293.868	ug/l	98
46) Methyl methacrylate	9.20	41	69771	14.591	ug/l	97
47) n-amyl Acetate	12.07	43	98914	12.886	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	144975	16.790	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	176422	17.787	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	110176	18.147	ug/l	99
51) Ethyl methacrylate	10.43	69	114389	15.399	ug/l	98
52) 1,3-Dichloropropane	10.71	76	175469	17.448	ug/l	98
53) Dibromochloromethane	10.90	129	124567	18.043	ug/l	97
54) 1,2-Dibromoethane	11.01	107	104337	17.379	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	246341	79.699	ug/l	98
56) Bromoform	12.13	173	83755	17.058	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	409466	71.741	ug/l	98
59) 2-Hexanone	10.75	43	247617	66.373	ug/l	100
61) Tetrachloroethene	10.63	164	123880	19.929	ug/l	98
62) Toluene	10.16	91	522509	18.775	ug/l	100
64) Chlorobenzene	11.43	112	318738	18.480	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	124733	19.154	ug/l	99
66) Ethyl Benzene	11.51	91	515512	17.883	ug/l	98
67) m/p-Xylenes	11.62	106	417955	37.683	ug/l	98
68) o-Xylene	11.95	106	194856	18.386	ug/l	99
69) Styrene	11.96	104	300816	17.853	ug/l	100
70) Isopropylbenzene	12.25	105	517959	18.393	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	126032	16.529	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	99104m	15.066	ug/l	
73) Bromobenzene	12.53	156	134406	18.140	ug/l	94
74) n-propylbenzene	12.59	91	554924	17.429	ug/l	98
75) 2-Chlorotoluene	12.67	91	344172	17.794	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	424528	18.447	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	26473	14.126	ug/l	97
78) 4-Chlorotoluene	12.77	91	326461	17.141	ug/l	99
79) tert-butylbenzene	12.99	119	360140	18.019	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	417081	18.178	ug/l	100
81) sec-Butylbenzene	13.17	105	467678	17.884	ug/l	99
82) p-Isopropyltoluene	13.29	119	399810	17.713	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	210605	16.812	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	194486	16.386	ug/l	99
85) n-Butylbenzene	13.62	91	260695	15.137	ug/l	100
86) Hexachloroethane	13.87	117	78863	18.203	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	210223	17.049	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16340	15.318	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	64871	11.818	ug/l	99
90) Hexachlorobutadiene	15.01	225	72212	19.363	ug/l	99
91) Naphthalene	15.13	128	112803	15.152	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	72341	13.133	ug/l	99

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

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