

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055615.D
 Acq On : 17 May 2019 17:09
 Operator : JC/SP
 Sample : VN0517WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 9:08:50 AM

Quant Time: May 18 03:40:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	324787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	493997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	427699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	187003	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	178231	50.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.12%	
35) Dibromofluoromethane	7.59	113	159165	50.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.44%	
50) Toluene-d8	10.09	98	586771	49.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.40	95	199700	48.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	45770	18.316	ug/l	98
3) Chloromethane	2.06	50	60629	18.190	ug/l	99
4) Vinyl Chloride	2.19	62	67768	18.776	ug/l	99
5) Bromomethane	2.57	94	48742	21.190	ug/l	100
6) Chloroethane	2.71	64	38618	19.270	ug/l	99
7) Trichlorofluoromethane	3.03	101	89630	19.379	ug/l	100
8) Diethyl Ether	3.41	74	37500	20.183	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	53576	19.000	ug/l	99
10) Methyl Iodide	3.96	142	62245	15.312	ug/l	98
11) Tert butyl alcohol	4.77	59	69487	104.659	ug/l	96
12) 1,1-Dichloroethene	3.74	96	56528	19.058	ug/l	98
13) Acrolein	3.61	56	32672	97.308	ug/l	98
14) Allyl chloride	4.33	41	91946	19.202	ug/l	99
15) Acrylonitrile	4.99	53	151481	102.550	ug/l	99
16) Acetone	3.82	43	129027	88.804	ug/l	99
17) Carbon Disulfide	4.06	76	153312	18.593	ug/l	100
18) Methyl Acetate	4.33	43	62187	19.964	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	193261	19.695	ug/l	97
20) Methylene Chloride	4.56	84	62220	18.764	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	60709	19.213	ug/l	98
22) Diisopropyl ether	5.95	45	179116	18.877	ug/l	92
23) Vinyl Acetate	5.90	43	789246	98.028	ug/l	100
24) 1,1-Dichloroethane	5.85	63	109165	19.621	ug/l	100
25) 2-Butanone	6.83	43	200986	98.933	ug/l	100
26) 2,2-Dichloropropane	6.83	77	85919	17.400	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	71184	19.347	ug/l	97
28) Bromochloromethane	7.20	49	48650	20.100	ug/l	97
29) Tetrahydrofuran	7.21	42	137919	102.473	ug/l	99
30) Chloroform	7.37	83	109340	19.146	ug/l	98
31) Cyclohexane	7.66	56	100266	18.989	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	97070	18.950	ug/l	99
36) 1,1-Dichloropropene	7.80	75	81508	18.507	ug/l	99
37) Ethyl Acetate	6.93	43	84722	21.317	ug/l	98
38) Carbon Tetrachloride	7.78	117	87873	18.671	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	96950	18.260	ug/l	100
40) Benzene	8.04	78	250888	19.367	ug/l	99
41) Methacrylonitrile	7.18	41	33647m	19.802	ug/l	
42) 1,2-Dichloroethane	8.13	62	84884	20.235	ug/l	99
43) Isopropyl Acetate	8.16	43	136843	19.794	ug/l	99
44) Trichloroethene	8.84	130	71416	19.537	ug/l	98
45) 1,2-Dichloropropane	9.12	63	65283	19.129	ug/l	99
46) Dibromomethane	9.21	93	43878	19.644	ug/l	98
47) Bromodichloromethane	9.40	83	88016	18.802	ug/l	98
48) Methyl methacrylate	9.20	41	61609	19.938	ug/l	97
49) 1,4-Dioxane	9.20	88	26570	432.729	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	403062	99.393	ug/l	99
52) Toluene	10.16	92	154244	18.983	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	95018	18.859	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	105280	19.074	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	64577	19.306	ug/l	99
56) Ethyl methacrylate	10.43	69	97962	18.761	ug/l	99
57) 1,3-Dichloropropane	10.71	76	101889	19.232	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	219296	98.841	ug/l	99
59) 2-Hexanone	10.75	43	278930	97.696	ug/l	100
60) Dibromochloromethane	10.90	129	72954	19.243	ug/l	100
61) 1,2-Dibromoethane	11.01	107	65118	19.456	ug/l	99
64) Tetrachloroethene	10.63	164	64823	19.216	ug/l	100
65) Chlorobenzene	11.44	112	163532	18.904	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	66968	19.243	ug/l	99
67) Ethyl Benzene	11.51	91	290686	18.863	ug/l	100
68) m/p-Xylenes	11.62	106	219258	37.676	ug/l	98
69) o-Xylene	11.95	106	106602	18.728	ug/l	99
70) Styrene	11.96	104	179308	18.946	ug/l	99
71) Bromoform	12.13	173	57285	19.424	ug/l #	100
73) Isopropylbenzene	12.25	105	286577	20.412	ug/l	100
74) N-amyl acetate	12.07	43	100747	19.186	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	89244	20.590	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	74879m	19.623	ug/l	
77) Bromobenzene	12.53	156	73636	19.173	ug/l	96
78) n-propylbenzene	12.59	91	305234	18.380	ug/l	100
79) 2-Chlorotoluene	12.67	91	186721	20.001	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	233475	19.585	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	27299	18.390	ug/l	98
82) 4-Chlorotoluene	12.77	91	178805	18.274	ug/l	100
83) tert-Butylbenzene	12.99	119	205065	19.885	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	233633	19.819	ug/l	100
85) sec-Butylbenzene	13.17	105	263378	19.774	ug/l	100
86) p-Isopropyltoluene	13.29	119	238497	19.421	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	118252	18.622	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	115111	18.986	ug/l	99
89) n-Butylbenzene	13.61	91	188958	18.414	ug/l	100
90) Hexachloroethane	13.87	117	47015	19.838	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	118354	18.697	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17469	20.584	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	61107	18.965	ug/l	99
94) Hexachlorobutadiene	15.01	225	39830	18.654	ug/l	99
95) Naphthalene	15.13	128	170923	18.721	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	65253	19.369	ug/l	99

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

