

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058592.D
 Acq On : 8 Oct 2019 00:52
 Operator : JC/SP
 Sample : K5197-04MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28B_100219MS

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:50:53 AM

Quant Time: Oct 08 16:01:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	423995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	718522	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	665530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	324433	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	301203	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	7.57	113	219291	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	10.09	98	839400	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.41	95	321470	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	190852	41.052	ug/l	98
3) Chloromethane	2.04	50	280611	54.902	ug/l	99
4) Vinyl Chloride	2.17	62	263148	52.557	ug/l	100
5) Bromomethane	2.54	94	133264	50.109	ug/l	100
6) Chloroethane	2.68	64	162866	54.288	ug/l	98
7) Trichlorofluoromethane	3.00	101	329533	54.539	ug/l	96
8) Diethyl Ether	3.39	74	130829	50.184	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	181629	44.262	ug/l	98
10) Methyl Iodide	3.93	142	198459	43.617	ug/l	100
11) Tert butyl alcohol	4.76	59	206527	300.042	ug/l	99
12) 1,1-Dichloroethene	3.71	96	187448	46.865	ug/l	100
13) Acrolein	3.58	56	66243	302.578	ug/l	97
14) Allyl chloride	4.30	41	368162	50.579	ug/l	95
15) Acrylonitrile	4.96	53	555013	276.665	ug/l	100
16) Acetone	3.79	43	491117	232.519	ug/l	100
17) Carbon Disulfide	4.03	76	502063	47.619	ug/l	98
18) Methyl Acetate	4.30	43	259419	48.833	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	752205	53.300	ug/l	100
20) Methylene Chloride	4.53	84	237128	48.649	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	211748	47.607	ug/l	99
22) Diisopropyl ether	5.93	45	811692	51.820	ug/l	98
23) Vinyl Acetate	5.87	43	3041091	257.488	ug/l	100
24) 1,1-Dichloroethane	5.82	63	451198	51.183	ug/l	100
25) 2-Butanone	6.82	43	738460	254.648	ug/l	99
26) 2,2-Dichloropropane	6.80	77	285627	39.412	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	262864	50.566	ug/l	96
28) Bromochloromethane	7.18	49	181882	51.616	ug/l	99
29) Tetrahydrofuran	7.19	42	492910	267.805	ug/l	99
30) Chloroform	7.36	83	449240	50.290	ug/l	99
31) Cyclohexane	7.64	56	364667	42.527	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	389674	53.121	ug/l	99
36) 1,1-Dichloropropene	7.78	75	324426	47.220	ug/l	99
37) Ethyl Acetate	6.91	43	297740	51.114	ug/l	99
38) Carbon Tetrachloride	7.76	117	330996	53.373	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	336062	41.886	ug/l	97
40) Benzene	8.03	78	981451	49.696	ug/l	99
41) Methacrylonitrile	7.15	41	140692	52.501	ug/l	98
42) 1,2-Dichloroethane	8.11	62	380765	49.557	ug/l	100
43) Isopropyl Acetate	8.15	43	528714	48.268	ug/l #	90
44) Trichloroethene	8.82	130	277284	56.862	ug/l	96
45) 1,2-Dichloropropane	9.11	63	272299	51.411	ug/l	99
46) Dibromomethane	9.20	93	168783	50.319	ug/l	99
47) Bromodichloromethane	9.39	83	358317	56.382	ug/l	99
48) Methyl methacrylate	9.19	41	262393	52.608	ug/l	96
49) 1,4-Dioxane	9.19	88	89079	1335.667	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1586470	281.962	ug/l	99
52) Toluene	10.15	92	606849	48.819	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	383326	55.417	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	404250	52.648	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	242728	53.627	ug/l	98
56) Ethyl methacrylate	10.43	69	374367	54.508	ug/l	96
57) 1,3-Dichloropropane	10.71	76	429777	53.234	ug/l	99
59) 2-Hexanone	10.75	43	1149716	280.626	ug/l	99
60) Dibromochloromethane	10.90	129	265192	56.653	ug/l	99
61) 1,2-Dibromoethane	11.00	107	245289	53.037	ug/l	100
64) Tetrachloroethene	10.63	164	2461282	582.093	ug/l	97
65) Chlorobenzene	11.44	112	654716	49.490	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	248380	55.725	ug/l	100
67) Ethyl Benzene	11.51	91	1195231	49.880	ug/l	99
68) m/p-Xylenes	11.63	106	875974	97.164	ug/l	99
69) o-Xylene	11.95	106	428200	49.339	ug/l	99
70) Stvrene	11.97	104	711735	50.481	ug/l	99
71) Bromoform	12.13	173	176876	57.320	ug/l	100
73) Isopropylbenzene	12.25	105	1155313	48.186	ug/l	100
74) N-amyl acetate	12.07	43	450591	47.239	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	360795	50.889	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	341154m	57.571	ug/l	
77) Bromobenzene	12.53	156	277336	49.331	ug/l	99
78) n-propylbenzene	12.60	91	1332011	49.312	ug/l	99
79) 2-Chlorotoluene	12.68	91	807175	48.413	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	989093	49.281	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	100740	51.632	ug/l	95
82) 4-Chlorotoluene	12.78	91	827354	48.631	ug/l	99
83) tert-Butylbenzene	13.00	119	823782	48.641	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	986920	49.079	ug/l	99
85) sec-Butylbenzene	13.18	105	1088980	48.853	ug/l	99
86) p-Isopropyltoluene	13.30	119	983421	50.119	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	498867	48.937	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	487505	48.066	ug/l	99
89) n-Butylbenzene	13.62	91	858830	48.319	ug/l	99
90) Hexachloroethane	13.88	117	173281	58.777	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	493610	50.395	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	69850	55.869	ug/l	98
93) 1,2,4-Trichlorobenzene	14.92	180	287693	53.153	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	132955	47.792	ug/l	99
95) Naphthalene	15.13	128	789963	49.837	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	270933	49.928	ug/l	99

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

