

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059300.D
 Acq On : 19 Nov 2019 12:24
 Operator : JC/SP
 Sample : VN1119WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 1:37:33 PM

Quant Time: Nov 20 01:11:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	384601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	613491	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	547237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	246335	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	229143	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
35) Dibromofluoromethane	7.57	113	189824	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
50) Toluene-d8	10.08	98	702230	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
62) 4-Bromofluorobenzene	12.40	95	260886	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.83	85	130371	33.644	ug/l	99
3) Chloromethane	2.04	50	147972	28.092	ug/l	98
4) Vinyl Chloride	2.17	62	158771	31.090	ug/l	99
5) Bromomethane	2.54	94	82017	27.908	ug/l	99
6) Chloroethane	2.68	64	80072	26.505	ug/l	98
7) Trichlorofluoromethane	3.00	101	155529	25.461	ug/l	99
8) Diethyl Ether	3.39	74	65465	26.376	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	97994	26.607	ug/l	99
10) Methyl Iodide	3.93	142	112062	24.581	ug/l	99
11) Tert butyl alcohol	4.75	59	104117	115.557	ug/l	100
12) 1,1-Dichloroethene	3.71	96	95950	26.744	ug/l	98
13) Acrolein	3.58	56	39036	84.032	ug/l	99
14) Allyl chloride	4.29	41	182059	24.704	ug/l	98
15) Acrylonitrile	4.95	53	279043	124.446	ug/l	100
16) Acetone	3.79	43	233158	94.837	ug/l	98
17) Carbon Disulfide	4.03	76	311058	27.930	ug/l	100
18) Methyl Acetate	4.29	43	157793	27.040	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	327857	26.543	ug/l	98
20) Methylene Chloride	4.52	84	111783	26.099	ug/l	94
21) trans-1,2-Dichloroethene	5.01	96	105018	27.270	ug/l	99
22) Diisopropyl ether	5.92	45	357450	25.679	ug/l	98
23) Vinyl Acetate	5.86	43	1389341	128.781	ug/l	99
24) 1,1-Dichloroethane	5.82	63	197107	25.352	ug/l	98
25) 2-Butanone	6.81	43	361573	111.590	ug/l	99
26) 2,2-Dichloropropane	6.80	77	167008	24.566	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	116908	26.166	ug/l	98
28) Bromochloromethane	7.17	49	48922	20.915	ug/l	98
29) Tetrahydrofuran	7.18	42	251191	122.008	ug/l	98
30) Chloroform	7.35	83	195564	26.221	ug/l	94
31) Cyclohexane	7.63	56	189635	25.765	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	163434	26.064	ug/l	99
36) 1,1-Dichloropropene	7.77	75	149974	26.154	ug/l	100
37) Ethyl Acetate	6.90	43	150868	23.650	ug/l	98
38) Carbon Tetrachloride	7.75	117	144483	25.315	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	180963	27.191	ug/l	97
40) Benzene	8.02	78	445738	25.813	ug/l	99
41) Methacrylonitrile	7.16	41	72672m	26.198	ug/l	
42) 1,2-Dichloroethane	8.10	62	147041	24.828	ug/l	100
43) Isopropyl Acetate	8.14	43	238942	23.494	ug/l	98
44) Trichloroethene	8.82	130	111815	26.342	ug/l	98
45) 1,2-Dichloropropane	9.10	63	119044	25.381	ug/l	99
46) Dibromomethane	9.19	93	72823	24.916	ug/l	98
47) Bromodichloromethane	9.39	83	145468	24.925	ug/l	97
48) Methyl methacrylate	9.18	41	108623	23.878	ug/l	98
49) 1,4-Dioxane	9.18	88	34803	430.494	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	745197	129.497	ug/l	100
52) Toluene	10.15	92	271123	26.195	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	168726	25.023	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	184503	25.438	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	105241	25.125	ug/l	100
56) Ethyl methacrylate	10.42	69	157661	23.595	ug/l	98
57) 1,3-Dichloropropane	10.70	76	183164	25.407	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	273790	117.449	ug/l	98
59) 2-Hexanone	10.74	43	528108	119.566	ug/l	98
60) Dibromochloromethane	10.90	129	109837	24.801	ug/l	99
61) 1,2-Dibromoethane	11.00	107	108111	25.496	ug/l	100
64) Tetrachloroethene	10.62	164	99355	26.700	ug/l	99
65) Chlorobenzene	11.43	112	280571	26.301	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	102457	25.603	ug/l	98
67) Ethyl Benzene	11.51	91	510569	26.976	ug/l	98
68) m/p-Xylenes	11.62	106	385241	54.337	ug/l	98
69) o-Xylene	11.95	106	183897	26.840	ug/l	96
70) Styrene	11.96	104	282382	26.205	ug/l	99
71) Bromoform	12.13	173	76254	24.498	ug/l #	99
73) Isopropylbenzene	12.25	105	491113	27.408	ug/l	100
74) N-amyl acetate	12.07	43	185556	24.439	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	152714	25.027	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	140721m	25.092	ug/l	
77) Bromobenzene	12.53	156	115956	25.757	ug/l	97
78) n-propylbenzene	12.59	91	556226	27.111	ug/l	99
79) 2-Chlorotoluene	12.67	91	333397	26.195	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	412575	27.173	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	52092	24.534	ug/l	99
82) 4-Chlorotoluene	12.77	91	339460	26.592	ug/l	99
83) tert-Butylbenzene	12.99	119	349467	26.653	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	402131	27.375	ug/l	100
85) sec-Butylbenzene	13.17	105	461495	27.063	ug/l	100
86) p-Isopropyltoluene	13.29	119	412486	27.395	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	199603	25.892	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	198535	25.740	ug/l	100
89) n-Butylbenzene	13.62	91	349030	26.485	ug/l	99
90) Hexachloroethane	13.88	117	75579	24.997	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	197807	26.084	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30412	24.994	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	102989	24.067	ug/l	99
94) Hexachlorobutadiene	15.01	225	70308	26.888	ug/l	98
95) Naphthalene	15.13	128	261567	22.288	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	100647	23.682	ug/l	99

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

