

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121819\
 Data File : VN059650.D
 Acq On : 18 Dec 2019 15:29
 Operator : JC/SP
 Sample : VN1218WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/19/2019 11:11:50 AM

Quant Time: Dec 19 05:36:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	208595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	334608	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	305229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138861	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	183904	60.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.18%	
35) Dibromofluoromethane	7.56	113	126910	60.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.24%	
50) Toluene-d8	10.08	98	505938	61.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.08%	
62) 4-Bromofluorobenzene	12.40	95	177429	58.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.32%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	43755	16.233	ug/l	100
3) Chloromethane	2.04	50	63429	14.829	ug/l	97
4) Vinyl Chloride	2.17	62	72035	17.759	ug/l	99
5) Bromomethane	2.55	94	43312	18.367	ug/l	97
6) Chloroethane	2.69	64	41990	18.419	ug/l	99
7) Trichlorofluoromethane	3.00	101	85077	19.116	ug/l	99
8) Diethyl Ether	3.38	74	25713	18.491	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	39705	17.703	ug/l	99
10) Methyl Iodide	3.92	142	51362	17.298	ug/l	99
11) Tert butyl alcohol	4.74	59	45240	81.297	ug/l	99
12) 1,1-Dichloroethene	3.71	96	37739	17.249	ug/l	96
13) Acrolein	3.58	56	26425	66.662	ug/l	99
14) Allyl chloride	4.29	41	78683	17.518	ug/l	99
15) Acrylonitrile	4.95	53	124633	92.591	ug/l	99
16) Acetone	3.79	43	143319	79.528	ug/l	99
17) Carbon Disulfide	4.03	76	120921	16.684	ug/l	99
18) Methyl Acetate	4.29	43	66191	17.528	ug/l	97
19) Methyl tert-butyl Ether	5.01	73	138107	17.878	ug/l	99
20) Methylene Chloride	4.52	84	47338	18.188	ug/l	95
21) trans-1,2-Dichloroethene	5.00	96	42190	17.298	ug/l	96
22) Diisopropyl ether	5.92	45	153347	18.519	ug/l	95
23) Vinyl Acetate	5.86	43	646799	99.536	ug/l	99
24) 1,1-Dichloroethane	5.81	63	86543	18.451	ug/l	99
25) 2-Butanone	6.80	43	183980	85.374	ug/l	100
26) 2,2-Dichloropropane	6.80	77	77645	18.214	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	48809	18.059	ug/l	98
28) Bromochloromethane	7.17	49	42655	21.908	ug/l	99
29) Tetrahydrofuran	7.18	42	117458	89.458	ug/l	99
30) Chloroform	7.35	83	85230	18.460	ug/l	100
31) Cyclohexane	7.63	56	77869	17.570	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	73518	17.662	ug/l	98
36) 1,1-Dichloropropene	7.77	75	63605	18.228	ug/l	99
37) Ethyl Acetate	6.90	43	73410	18.100	ug/l	99
38) Carbon Tetrachloride	7.75	117	64795	17.895	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	70009	17.688	ug/l	96
40) Benzene	8.02	78	190465	18.677	ug/l	100
41) Methacrylonitrile	7.15	41	29674m	17.729	ug/l	
42) 1,2-Dichloroethane	8.10	62	74400	19.051	ug/l	100
43) Isopropyl Acetate	8.14	43	113275	17.964	ug/l	100
44) Trichloroethene	8.81	130	48024	17.979	ug/l	95
45) 1,2-Dichloropropane	9.10	63	51674	18.765	ug/l	97
46) Dibromomethane	9.19	93	33071	18.331	ug/l	98
47) Bromodichloromethane	9.39	83	66044	18.361	ug/l	99
48) Methyl methacrylate	9.18	41	49891	17.440	ug/l	98
49) 1,4-Dioxane	9.18	88	13629	332.439	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	354005	94.163	ug/l	98
52) Toluene	10.14	92	113722	18.150	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	74509	17.911	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	80725	18.461	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	45325	18.434	ug/l	97
56) Ethyl methacrylate	10.42	69	63086	17.284	ug/l	98
57) 1,3-Dichloropropane	10.70	76	79431	18.554	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	179953	155.017	ug/l	99
59) 2-Hexanone	10.74	43	261003	88.088	ug/l	99
60) Dibromochloromethane	10.89	129	48625	18.120	ug/l	98
61) 1,2-Dibromoethane	10.99	107	45732	17.538	ug/l	98
64) Tetrachloroethene	10.62	164	46393	16.305	ug/l	98
65) Chlorobenzene	11.42	112	118987	18.016	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.50	131	45247	18.037	ug/l	99
67) Ethyl Benzene	11.50	91	211648	17.754	ug/l	100
68) m/p-Xylenes	11.62	106	155404	35.302	ug/l	100
69) o-Xylene	11.94	106	73719	17.600	ug/l	98
70) Styrene	11.96	104	114572	17.024	ug/l	98
71) Bromoform	12.12	173	33528	17.780	ug/l #	98
73) Isopropylbenzene	12.24	105	201164	18.454	ug/l	99
74) N-amyl acetate	12.06	43	86027	17.205	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	65116	18.832	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	65421m	19.031	ug/l	
77) Bromobenzene	12.52	156	48728	18.177	ug/l	99
78) n-propylbenzene	12.59	91	234485	18.198	ug/l	100
79) 2-Chlorotoluene	12.67	91	140137	17.986	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	167700	18.180	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	24419	17.545	ug/l	98
82) 4-Chlorotoluene	12.77	91	144490	18.112	ug/l	99
83) tert-Butylbenzene	12.99	119	137006	17.538	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	167373	18.247	ug/l	100
85) sec-Butylbenzene	13.17	105	189032	18.191	ug/l	100
86) p-Isopropyltoluene	13.28	119	167831	17.832	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	85456	17.336	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	84803	17.063	ug/l	99
89) n-Butylbenzene	13.61	91	150221	17.024	ug/l	99
90) Hexachloroethane	13.87	117	32371	18.196	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	86024	17.695	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15220	16.845	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	48849	15.561	ug/l	100
94) Hexachlorobutadiene	15.00	225	29050	18.110	ug/l	97
95) Naphthalene	15.12	128	139666	14.903	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	49325	15.535	ug/l	99

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

