

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111819\
 Data File : VN059285.D
 Acq On : 18 Nov 2019 15:44
 Operator : JC/SP
 Sample : VN1118WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBSD01

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 11:03:24 AM

Quant Time: Nov 19 03:01:06 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	7.65	168	438864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	697271	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	619838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	281366	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	247693	45.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.82%	
35) Dibromofluoromethane	7.57	113	203764	48.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.88%	
50) Toluene-d8	10.08	98	754212	45.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.98%	
62) 4-Bromofluorobenzene	12.40	95	278282	47.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	73785	16.687	ug/l	100
3) Chloromethane	2.04	50	96992	16.137	ug/l	98
4) Vinyl Chloride	2.17	62	101806	17.470	ug/l	100
5) Bromomethane	2.55	94	57322	17.093	ug/l	97
6) Chloroethane	2.68	64	62822	18.224	ug/l	100
7) Trichlorofluoromethane	3.00	101	132270	18.976	ug/l	98
8) Diethyl Ether	3.39	74	59696	21.078	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	82249	19.571	ug/l	98
10) Methyl Iodide	3.93	142	75510	14.516	ug/l	97
11) Tert butyl alcohol	4.75	59	106469	103.556	ug/l	98
12) 1,1-Dichloroethene	3.72	96	79983	19.537	ug/l	97
13) Acrolein	3.58	56	46109	86.985	ug/l	97
14) Allyl chloride	4.30	41	159613	18.980	ug/l	94
15) Acrylonitrile	4.95	53	282990	110.601	ug/l	100
16) Acetone	3.79	43	228263	81.366	ug/l	98
17) Carbon Disulfide	4.03	76	213974	16.837	ug/l	98
18) Methyl Acetate	4.30	43	149898	22.511	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	304972	21.637	ug/l	99
20) Methylene Chloride	4.53	84	97550	19.959	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	85242	19.398	ug/l	92
22) Diisopropyl ether	5.93	45	328033	20.652	ug/l	98
23) Vinyl Acetate	5.87	43	1358866	110.382	ug/l	99
24) 1,1-Dichloroethane	5.82	63	180046	20.294	ug/l	99
25) 2-Butanone	6.81	43	367005	99.262	ug/l	98
26) 2,2-Dichloropropane	6.80	77	150951	19.459	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	104912	20.578	ug/l	98
28) Bromochloromethane	7.18	49	49750	18.639	ug/l	97
29) Tetrahydrofuran	7.19	42	251461	107.037	ug/l	98
30) Chloroform	7.35	83	179611	21.105	ug/l	99
31) Cyclohexane	7.63	56	151824	18.077	ug/l	93
32) 1,1,1-Trichloroethane	7.55	97	145586	20.347	ug/l	99
36) 1,1-Dichloropropene	7.77	75	126556	19.418	ug/l	99
37) Ethyl Acetate	6.90	43	147987	20.411	ug/l	96
38) Carbon Tetrachloride	7.75	117	124842	19.245	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	142699	18.865	ug/l	99
40) Benzene	8.02	78	393495	20.049	ug/l	99
41) Methacrylonitrile	7.15	41	58465m	18.544	ug/l	
42) 1,2-Dichloroethane	8.10	62	134069	19.917	ug/l	99
43) Isopropyl Acetate	8.15	43	237219	20.522	ug/l	98
44) Trichloroethene	8.82	130	97268	20.161	ug/l	98
45) 1,2-Dichloropropane	9.10	63	109317	20.506	ug/l	100
46) Dibromomethane	9.19	93	65379	19.681	ug/l	98
47) Bromodichloromethane	9.39	83	136021	20.506	ug/l	99
48) Methyl methacrylate	9.18	41	103540	20.026	ug/l	96
49) 1,4-Dioxane	9.18	88	32347	352.040	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	758071	115.906	ug/l	99
52) Toluene	10.15	92	239252	20.339	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	156447	20.414	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	169903	20.610	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	99468	20.893	ug/l	99
56) Ethyl methacrylate	10.42	69	150457	20.112	ug/l	98
57) 1,3-Dichloropropane	10.70	76	171780	20.965	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	286168	108.009	ug/l	99
59) 2-Hexanone	10.74	43	543972	108.359	ug/l	99
60) Dibromochloromethane	10.90	129	105108	20.882	ug/l	99
61) 1,2-Dibromoethane	11.00	107	99307	20.606	ug/l	98
64) Tetrachloroethene	10.63	164	84375	20.019	ug/l	98
65) Chlorobenzene	11.43	112	253288	20.962	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	97344	21.476	ug/l	99
67) Ethyl Benzene	11.51	91	457961	21.362	ug/l	99
68) m/p-Xylenes	11.62	106	338906	42.203	ug/l	99
69) o-Xylene	11.95	106	164489	21.195	ug/l	99
70) Styrene	11.96	104	258107	21.147	ug/l	99
71) Bromoform	12.13	173	75159	21.318	ug/l #	99
73) Isopropylbenzene	12.25	105	443962	21.692	ug/l	99
74) N-amyl acetate	12.07	43	182675	21.064	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	154036	22.100	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	137278m	21.430	ug/l	
77) Bromobenzene	12.53	156	106917	20.793	ug/l	99
78) n-propylbenzene	12.59	91	502161	21.428	ug/l	99
79) 2-Chlorotoluene	12.67	91	304084	20.917	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	368318	21.238	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	49887	20.570	ug/l	99
82) 4-Chlorotoluene	12.77	91	306447	21.017	ug/l	99
83) tert-Butylbenzene	12.99	119	325018	21.702	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	369793	22.039	ug/l	98
85) sec-Butylbenzene	13.17	105	426648	21.904	ug/l	99
86) p-Isopropyltoluene	13.29	119	375219	21.817	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	186616	21.193	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	180734	20.515	ug/l	99
89) n-Butylbenzene	13.62	91	313857	20.851	ug/l	99
90) Hexachloroethane	13.88	117	69430	20.105	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	186383	21.517	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30445	21.909	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	98915	20.721	ug/l	98
94) Hexachlorobutadiene	15.01	225	64291	21.526	ug/l	99
95) Naphthalene	15.13	128	266942	20.238	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	98296	20.249	ug/l	97

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

