

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058014.D
 Acq On : 13 Sep 2019 13:30
 Operator : JC/SP
 Sample : VN0914WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:49:57 PM

Quant Time: Sep 14 03:20:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	310461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	507712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	467824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	272012	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	325995	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
35) Dibromofluoromethane	7.57	113	229056	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
50) Toluene-d8	10.08	98	917444	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.41	95	314081	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	84165	19.603	ug/l	98
3) Chloromethane	2.04	50	74433	17.009	ug/l	96
4) Vinyl Chloride	2.17	62	75493	16.300	ug/l	100
5) Bromomethane	2.53	94	44211	16.347	ug/l	97
6) Chloroethane	2.67	64	49762	16.861	ug/l	100
7) Trichlorofluoromethane	3.00	101	104356	17.905	ug/l	98
8) Diethyl Ether	3.39	74	48487	19.946	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	75217	20.457	ug/l	99
10) Methyl Iodide	3.93	142	67211	16.427	ug/l	96
11) Tert butyl alcohol	4.77	59	57282	75.265	ug/l	97
12) 1,1-Dichloroethene	3.72	96	59900	18.119	ug/l	91
13) Acrolein	3.59	56	7373m	11.419	ug/l	
14) Allyl chloride	4.30	41	116019	17.933	ug/l	97
15) Acrylonitrile	4.96	53	211171	100.949	ug/l	100
16) Acetone	3.80	43	174069	84.443	ug/l	98
17) Carbon Disulfide	4.03	76	81363	15.922	ug/l	99
18) Methyl Acetate	4.30	43	118180	21.502	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	282534	20.536	ug/l	98
20) Methylene Chloride	4.53	84	85083	20.966	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	66391	18.578	ug/l	94
22) Diisopropyl ether	5.93	45	316079	20.833	ug/l	98
23) Vinyl Acetate	5.87	43	1100690	102.368	ug/l	98
24) 1,1-Dichloroethane	5.83	63	168520	20.324	ug/l	99
25) 2-Butanone	6.82	43	280296	93.948	ug/l	98
26) 2,2-Dichloropropane	6.81	77	122044	18.599	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	92519	19.319	ug/l	97
28) Bromochloromethane	7.18	49	82014	19.798	ug/l	95
29) Tetrahydrofuran	7.19	42	175634	95.533	ug/l	99
30) Chloroform	7.36	83	173788	20.045	ug/l	97
31) Cyclohexane	7.64	56	118377	19.590	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	134743	19.596	ug/l	99
36) 1,1-Dichloropropene	7.78	75	108031	18.347	ug/l	99
37) Ethyl Acetate	6.91	43	115890	19.050	ug/l	100
38) Carbon Tetrachloride	7.76	117	103909	19.329	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	112605	18.192	ug/l	98
40) Benzene	8.03	78	351499	19.828	ug/l	99
41) Methacrylonitrile	7.16	41	60122m	21.771	ug/l	
42) 1,2-Dichloroethane	8.11	62	144016	20.313	ug/l	100
43) Isopropyl Acetate	8.15	43	215734	21.087	ug/l #	88
44) Trichloroethene	8.82	130	85666	19.703	ug/l	99
45) 1,2-Dichloropropane	9.11	63	103271	20.020	ug/l	99
46) Dibromomethane	9.20	93	62075	19.915	ug/l	98
47) Bromodichloromethane	9.40	83	123790	19.888	ug/l	100
48) Methyl methacrylate	9.19	41	98833	19.044	ug/l	100
49) 1,4-Dioxane	9.20	88	21942	250.022	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	623835	103.043	ug/l	98
52) Toluene	10.15	92	213978	19.165	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	121259	18.499	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	139775	19.314	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	96493	20.403	ug/l	98
56) Ethyl methacrylate	10.43	69	134963	18.950	ug/l	98
57) 1,3-Dichloropropane	10.71	76	163529	20.063	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	308046	91.833	ug/l	100
59) 2-Hexanone	10.75	43	431319	95.051	ug/l	99
60) Dibromochloromethane	10.90	129	81294	18.511	ug/l	98
61) 1,2-Dibromoethane	11.00	107	88410	19.773	ug/l	100
64) Tetrachloroethene	10.63	164	67645	19.584	ug/l	93
65) Chlorobenzene	11.43	112	240835	19.671	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	83919	19.753	ug/l	98
67) Ethyl Benzene	11.51	91	430866	20.081	ug/l	99
68) m/p-Xylenes	11.62	106	312851	39.805	ug/l	99
69) o-Xylene	11.95	106	155725	19.930	ug/l	98
70) Styrene	11.97	104	269854	20.068	ug/l	100
71) Bromoform	12.13	173	47484	17.927	ug/l #	99
73) Isopropylbenzene	12.25	105	437910	20.747	ug/l	100
74) N-amyl acetate	12.07	43	179258	19.514	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	140926	19.830	ug/l	97
76) 1,2,3-Trichloropropane	12.56	75	118378m	19.238	ug/l	
77) Bromobenzene	12.53	156	100279	19.055	ug/l	98
78) n-propylbenzene	12.60	91	505485	20.855	ug/l	99
79) 2-Chlorotoluene	12.68	91	306001	19.975	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	368968	20.689	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	26350	15.069	ug/l #	78
82) 4-Chlorotoluene	12.78	91	309250	19.658	ug/l	100
83) tert-Butylbenzene	13.00	119	317503	20.028	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	366616	20.226	ug/l	100
85) sec-Butylbenzene	13.18	105	434157	20.662	ug/l	100
86) p-Isopropyltoluene	13.29	119	381879	20.627	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	190956	19.769	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	189780	19.356	ug/l	99
89) n-Butylbenzene	13.62	91	341597	19.538	ug/l	99
90) Hexachloroethane	13.88	117	51198	18.595	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	192920	19.992	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	22632	19.283	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	112274	17.800	ug/l	98
94) Hexachlorobutadiene	15.01	225	50968	19.062	ug/l	98
95) Naphthalene	15.13	128	317722	18.978	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	109552	20.496	ug/l	99

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

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