

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054806.D
 Acq On : 30 Mar 2019 16:52
 Operator : JC/SP
 Sample : VN0330WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 1:32:38 PM

Quant Time: Mar 30 23:27:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	416134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	712217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	596940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	247175	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	304660	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
35) Dibromofluoromethane	7.59	113	236005	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
50) Toluene-d8	10.09	98	863730	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
62) 4-Bromofluorobenzene	12.40	95	276746	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	84704	20.124	ug/l	99
3) Chloromethane	2.07	50	114867	19.736	ug/l	100
4) Vinyl Chloride	2.19	62	107916	20.648	ug/l	99
5) Bromomethane	2.57	94	59525	20.392	ug/l	94
6) Chloroethane	2.71	64	59925	20.533	ug/l	97
7) Trichlorofluoromethane	3.02	101	134576	20.944	ug/l	97
8) Diethyl Ether	3.41	74	45390	21.938	ug/l	63
9) 1,1,2-Trichlorotrifluoroet	3.75	101	69816	20.640	ug/l	93
10) Methyl Iodide	3.94	142	96871	20.920	ug/l #	88
11) Tert butyl alcohol	4.83	59	42888	146.741	ug/l #	91
12) 1,1-Dichloroethene	3.73	96	71199	21.766	ug/l #	80
13) Acrolein	3.61	56	39204	150.043	ug/l	97
14) Allyl chloride	4.32	41	166481	20.663	ug/l #	90
15) Acrylonitrile	5.00	53	201646	124.126	ug/l	99
16) Acetone	3.82	43	147805	110.493	ug/l #	80
17) Carbon Disulfide	4.04	76	181569	17.114	ug/l	99
18) Methyl Acetate	4.33	43	91431	25.796	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	268564	23.471	ug/l	97
20) Methylene Chloride	4.54	84	100744	21.350	ug/l #	86
21) trans-1,2-Dichloroethene	5.03	96	90634	21.095	ug/l	87
22) Diisopropyl ether	5.96	45	351902	22.083	ug/l #	94
23) Vinyl Acetate	5.90	43	1302413	117.445	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	183871	21.630	ug/l	98
25) 2-Butanone	6.85	43	257341	130.143	ug/l #	85
26) 2,2-Dichloropropane	6.83	77	108146	18.151	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	103922	21.411	ug/l	88
28) Bromochloromethane	7.20	49	105643	24.854	ug/l #	70
29) Tetrahydrofuran	7.22	42	178737	130.144	ug/l #	84
30) Chloroform	7.37	83	181036	22.334	ug/l	98
31) Cyclohexane	7.65	56	174065	21.290	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	148119	22.050	ug/l	95
36) 1,1-Dichloropropene	7.80	75	131175	19.766	ug/l	96
37) Ethyl Acetate	6.94	43	116421	23.922	ug/l #	94
38) Carbon Tetrachloride	7.77	117	124994	19.391	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	140264	19.225	ug/l #	87
40) Benzene	8.04	78	397785	20.948	ug/l	99
41) Methacrylonitrile	7.18	41	65675	24.023	ug/l #	87
42) 1,2-Dichloroethane	8.13	62	146752	21.644	ug/l	97
43) Isopropyl Acetate	8.17	43	188452	23.831	ug/l #	94
44) Trichloroethene	8.84	130	100457	20.379	ug/l	91
45) 1,2-Dichloropropane	9.12	63	111823	20.652	ug/l	98
46) Dibromomethane	9.21	93	65071	21.363	ug/l	88
47) Bromodichloromethane	9.40	83	131753	20.813	ug/l	99
48) Methyl methacrylate	9.20	41	95731	22.333	ug/l	89
49) 1,4-Dioxane	9.21	88	21799	512.528	ug/l #	80
51) 4-Methyl-2-Pentanone	9.99	43	548231	123.311	ug/l	92
52) Toluene	10.16	92	232312	20.559	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	115677	19.426	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	145033	20.389	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	90459	21.530	ug/l	96
56) Ethyl methacrylate	10.43	69	119180	21.624	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	158545	21.949	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	232799	104.348	ug/l #	89
59) 2-Hexanone	10.75	43	334677	117.592	ug/l	92
60) Dibromochloromethane	10.90	129	88662	20.832	ug/l	99
61) 1,2-Dibromoethane	11.01	107	87308	21.744	ug/l	97
64) Tetrachloroethene	10.63	164	98606	21.526	ug/l	97
65) Chlorobenzene	11.44	112	235553	20.154	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	91313	20.874	ug/l	98
67) Ethyl Benzene	11.51	91	430096	20.393	ug/l	100
68) m/p-Xylenes	11.62	106	312681	40.062	ug/l	93
69) o-Xylene	11.95	106	154554	20.194	ug/l	95
70) Styrene	11.97	104	255776	20.902	ug/l	97
71) Bromoform	12.13	173	54582	21.298	ug/l #	99
73) Isopropylbenzene	12.25	105	410513	20.319	ug/l	97
74) N-amyl acetate	12.07	43	137099	21.782	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	112952	24.488	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	94835m	22.085	ug/l	
77) Bromobenzene	12.53	156	101739	20.866	ug/l	85
78) n-propylbenzene	12.59	91	440871	19.854	ug/l	96
79) 2-Chlorotoluene	12.68	91	275652	20.065	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	329814	19.896	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	22127	20.044	ug/l #	78
82) 4-Chlorotoluene	12.77	91	260664	19.535	ug/l	96
83) tert-Butylbenzene	12.99	119	284096	20.904	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	323185	20.464	ug/l	96
85) sec-Butylbenzene	13.17	105	357721	19.864	ug/l	95
86) p-Isopropyltoluene	13.29	119	306170	19.277	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	158225	19.382	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	153674	19.193	ug/l	97
89) n-Butylbenzene	13.62	91	232720	17.959	ug/l	97
90) Hexachloroethane	13.88	117	51211	18.990	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	161239	19.571	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16051	23.240	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	68032	17.128	ug/l	99
94) Hexachlorobutadiene	15.01	225	44178	17.410	ug/l	99
95) Naphthalene	15.13	128	170769	19.169	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	72203	17.999	ug/l	99

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

