

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN033119\
 Data File : VN054843.D
 Acq On : 31 Mar 2019 11:59
 Operator : JC/SP
 Sample : VN0331WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0331WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 12:49:52 PM

Quant Time: Apr 01 03:00:23 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	427489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	685663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	592855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	252151	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	118560	20.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.14%	
35) Dibromofluoromethane	7.59	113	93724	20.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.00%	
50) Toluene-d8	10.09	98	339907	20.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.00%	
62) 4-Bromofluorobenzene	12.40	95	113386	20.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	84139	19.458	ug/l	98
3) Chloromethane	2.06	50	114596	19.167	ug/l	100
4) Vinyl Chloride	2.19	62	106451	19.827	ug/l	98
5) Bromomethane	2.58	94	57525	19.044	ug/l	91
6) Chloroethane	2.71	64	58493	19.510	ug/l	97
7) Trichlorofluoromethane	3.02	101	136023	20.607	ug/l	99
8) Diethyl Ether	3.42	74	44417	20.897	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	74382	21.406	ug/l	93
10) Methyl Iodide	3.94	142	71300	14.988	ug/l #	86
11) Tert butyl alcohol	4.83	59	36988	123.193	ug/l	100
12) 1,1-Dichloroethene	3.73	96	69814	20.776	ug/l #	76
13) Acrolein	3.61	56	25164	93.751	ug/l	99
14) Allyl chloride	4.31	41	166349	20.098	ug/l #	91
15) Acrylonitrile	5.00	53	187811	112.539	ug/l	99
16) Acetone	3.82	43	193792	141.022	ug/l #	82
17) Carbon Disulfide	4.04	76	202484	18.578	ug/l	98
18) Methyl Acetate	4.33	43	85630	23.435	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	249243	21.204	ug/l	93
20) Methylene Chloride	4.54	84	98079	20.234	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	87307	19.781	ug/l #	83
22) Diisopropyl ether	5.96	45	341193	20.842	ug/l #	93
23) Vinyl Acetate	5.90	43	1242538	109.069	ug/l #	93
24) 1,1-Dichloroethane	5.84	63	182127	20.856	ug/l	97
25) 2-Butanone	6.85	43	259454	127.727	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	126341	20.642	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	102756	20.609	ug/l	87
28) Bromochloromethane	7.19	49	94683	21.683	ug/l #	70
29) Tetrahydrofuran	7.22	42	156861	111.182	ug/l #	84
30) Chloroform	7.37	83	175746	21.106	ug/l	99
31) Cyclohexane	7.65	56	171914	20.385	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	146241	21.192	ug/l	94
36) 1,1-Dichloropropene	7.79	75	130785	20.470	ug/l	96
37) Ethyl Acetate	6.94	43	102301	21.835	ug/l	95
38) Carbon Tetrachloride	7.77	117	124533	20.068	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	153020	21.785	ug/l	90
40) Benzene	8.04	78	392059	21.446	ug/l	98
41) Methacrylonitrile	7.18	41	56335	21.404	ug/l	88
42) 1,2-Dichloroethane	8.13	62	141916	21.741	ug/l	96
43) Isopropyl Acetate	8.17	43	174256	22.890	ug/l #	92
44) Trichloroethene	8.83	130	97328	20.509	ug/l	89
45) 1,2-Dichloropropane	9.12	63	108695	20.852	ug/l	97
46) Dibromomethane	9.21	93	63070	21.508	ug/l	89
47) Bromodichloromethane	9.40	83	130247	21.372	ug/l	96
48) Methyl methacrylate	9.20	41	87418	21.183	ug/l	87
49) 1,4-Dioxane	9.21	88	20139	491.836	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	502432	117.387	ug/l	91
52) Toluene	10.16	92	232971	21.416	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	116673	20.352	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	147020	21.469	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	88107	21.782	ug/l	96
56) Ethyl methacrylate	10.43	69	113835	21.454	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	152162	21.881	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	216794	101.276	ug/l	89
59) 2-Hexanone	10.75	43	332196	121.240	ug/l	89
60) Dibromochloromethane	10.90	129	88581	21.619	ug/l	100
61) 1,2-Dibromoethane	11.01	107	83460	21.591	ug/l	100
64) Tetrachloroethene	10.63	164	94938	20.868	ug/l	96
65) Chlorobenzene	11.43	112	239514	20.634	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	93314	21.478	ug/l	97
67) Ethyl Benzene	11.51	91	440346	21.023	ug/l	98
68) m/p-Xylenes	11.62	106	319527	41.222	ug/l	92
69) o-Xylene	11.95	106	156681	20.613	ug/l	94
70) Styrene	11.96	104	259119	21.321	ug/l	97
71) Bromoform	12.13	173	52128	20.480	ug/l #	99
73) Isopropylbenzene	12.25	105	421871	20.469	ug/l	98
74) N-amyl acetate	12.07	43	133124	20.733	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	111290	23.591	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	84446m	19.278	ug/l	
77) Bromobenzene	12.53	156	101585	20.423	ug/l	86
78) n-propylbenzene	12.59	91	465636	20.556	ug/l	96
79) 2-Chlorotoluene	12.68	91	283137	20.203	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	346946	20.516	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	21662	19.235	ug/l #	76
82) 4-Chlorotoluene	12.77	91	279527	20.535	ug/l	93
83) tert-Butylbenzene	12.99	119	297427	21.510	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	337238	20.932	ug/l	97
85) sec-Butylbenzene	13.17	105	381684	20.777	ug/l	97
86) p-Isopropyltoluene	13.29	119	330754	20.413	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	166332	19.973	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	163395	20.004	ug/l	97
89) n-Butylbenzene	13.62	91	262621	19.866	ug/l	96
90) Hexachloroethane	13.88	117	53156	19.323	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	167684	19.951	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15817	22.449	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	72225	17.825	ug/l	99
94) Hexachlorobutadiene	15.01	225	52334	20.571	ug/l	99
95) Naphthalene	15.13	128	161618	17.784	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	78378	19.153	ug/l	98

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

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