

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051093.D
 Acq On : 10 Sep 2018 22:19
 Operator : MD\SY
 Sample : VN0910WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/11/2018 9:41:26 AM

Quant Time: Sep 11 04:59:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	652325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	942440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	852365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	387454	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	389714	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
35) Dibromofluoromethane	7.59	113	376575	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
50) Toluene-d8	10.09	98	1429718	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
62) 4-Bromofluorobenzene	12.40	95	452261	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	120330	19.13	ug/l	99
3) Chloromethane	2.06	50	166545	20.18	ug/l	99
4) Vinyl Chloride	2.18	62	167513	19.40	ug/l	100
5) Bromomethane	2.56	94	96891	19.28	ug/l	100
6) Chloroethane	2.70	64	100081	18.78	ug/l	98
7) Trichlorofluoromethane	3.01	101	222279	19.43	ug/l	98
8) Diethyl Ether	3.41	74	83458	19.83	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	140547	19.06	ug/l	99
10) Methyl Iodide	3.95	142	117562	20.76	ug/l	98
11) Tert butyl alcohol	4.79	59	50561	91.19	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	132391	19.03	ug/l	97
13) Acrolein	3.61	56	64025	109.69	ug/l	98
14) Allyl chloride	4.33	41	198545	18.73	ug/l	99
15) Acrylonitrile	5.00	53	241340	98.23	ug/l	99
16) Acetone	3.82	43	162792	86.89	ug/l	99
17) Carbon Disulfide	4.05	76	389185	19.05	ug/l	99
18) Methyl Acetate	4.33	43	109723	18.87	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	359457	19.54	ug/l	98
20) Methylene Chloride	4.55	84	153633	19.16	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	142433	18.87	ug/l	98
22) Diisopropyl ether	5.96	45	432821	20.57	ug/l	98
23) Vinyl Acetate	5.90	43	1408804	98.93	ug/l	99
24) 1,1-Dichloroethane	5.85	63	261150	19.56	ug/l	99
25) 2-Butanone	6.84	43	254731	89.25	ug/l	96
26) 2,2-Dichloropropane	6.83	77	185206	16.95	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	159374	19.25	ug/l	98
28) Bromochloromethane	7.20	49	118682	19.97	ug/l	100
29) Tetrahydrofuran	7.22	42	175139	98.26	ug/l	99
30) Chloroform	7.37	83	264391	19.91	ug/l	97
31) Cyclohexane	7.65	56	233797	19.50	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	224829	19.87	ug/l	100
36) 1,1-Dichloropropene	7.79	75	197616	19.10	ug/l	100
37) Ethyl Acetate	6.93	43	119896	20.01	ug/l	100
38) Carbon Tetrachloride	7.77	117	201262	19.76	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	211941	18.56	ug/l	98
40) Benzene	8.04	78	616215	19.76	ug/l	99
41) Methacrylonitrile	7.18	41	63254m	20.46	ug/l	
42) 1,2-Dichloroethane	8.13	62	182456	20.08	ug/l	100
43) Isopropyl Acetate	8.17	43	206351	19.52	ug/l #	89
44) Trichloroethene	8.83	130	162880	19.10	ug/l	99
45) 1,2-Dichloropropane	9.12	63	161589	20.06	ug/l	99
46) Dibromomethane	9.21	93	95952	19.52	ug/l	99
47) Bromodichloromethane	9.40	83	197051	19.71	ug/l	99
48) Methyl methacrylate	9.20	41	103282	20.04	ug/l	98
49) 1,4-Dioxane	9.20	88	30485	377.27	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	592093	101.26	ug/l	99
52) Toluene	10.16	92	381962	20.09	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	186170	18.61	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	223447	19.05	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	137400	19.89	ug/l	98
56) Ethyl methacrylate	10.43	69	162102	19.09	ug/l	97
57) 1,3-Dichloropropane	10.71	76	227544	19.87	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	329054	94.54	ug/l	100
59) 2-Hexanone	10.75	43	369375	93.15	ug/l	98
60) Dibromochloromethane	10.90	129	154132	19.80	ug/l	99
61) 1,2-Dibromoethane	11.01	107	136385	20.20	ug/l	98
64) Tetrachloroethene	10.63	164	154629	19.88	ug/l	98
65) Chlorobenzene	11.43	112	418641	19.48	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	153268	19.81	ug/l	100
67) Ethyl Benzene	11.51	91	684487	19.67	ug/l	100
68) m/p-Xylenes	11.62	106	538900	40.31	ug/l	99
69) o-Xylene	11.95	106	255120	19.71	ug/l	97
70) Styrene	11.96	104	403215	20.08	ug/l	99
71) Bromoform	12.13	173	106955	19.64	ug/l #	99
73) Isopropylbenzene	12.25	105	674392	20.75	ug/l	100
74) N-amyl acetate	12.07	43	157399	19.25	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	174274	22.50	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	144368m	23.24	ug/l	
77) Bromobenzene	12.53	156	176943	20.27	ug/l	98
78) n-propylbenzene	12.59	91	733954	20.55	ug/l	100
79) 2-Chlorotoluene	12.67	91	456699	20.46	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	550605	20.96	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37252	18.26	ug/l	94
82) 4-Chlorotoluene	12.77	91	442899	19.99	ug/l	100
83) tert-Butylbenzene	12.99	119	475038	20.48	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	542587	21.01	ug/l	99
85) sec-Butylbenzene	13.17	105	613949	20.64	ug/l	99
86) p-Isopropyltoluene	13.29	119	528052	20.94	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	281229	18.99	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	271434	19.97	ug/l	99
89) n-Butylbenzene	13.62	91	370794	18.89	ug/l	98
90) Hexachloroethane	13.87	117	96158	20.58	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	278118	19.28	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21509	19.78	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	101799	17.42	ug/l	99
94) Hexachlorobutadiene	15.01	225	88498	19.99	ug/l	98
95) Naphthalene	15.13	128	192282	17.13	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	108035	18.21	ug/l	98

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

