

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091918\
 Data File : VN051321.D
 Acq On : 19 Sep 2018 16:03
 Operator : MD\SY
 Sample : VN0919WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/20/2018 1:42:08 PM

Quant Time: Sep 20 02:07:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	518677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	720615	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	640112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	296738	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	283537	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
35) Dibromofluoromethane	7.59	113	281883	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.09	98	1033495	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.40	95	317847	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	96615	19.21	ug/l	99
3) Chloromethane	2.06	50	125867	19.01	ug/l	99
4) Vinyl Chloride	2.19	62	127675	18.80	ug/l	99
5) Bromomethane	2.57	94	75649	19.18	ug/l	96
6) Chloroethane	2.70	64	76407	18.86	ug/l	95
7) Trichlorofluoromethane	3.01	101	180960	19.45	ug/l	99
8) Diethyl Ether	3.41	74	59167	19.43	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	111334	19.15	ug/l	99
10) Methyl Iodide	3.95	142	92630	19.99	ug/l	100
11) Tert butyl alcohol	4.79	59	31128	100.28	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	99425	18.93	ug/l	98
13) Acrolein	3.61	56	35056	81.53	ug/l	96
14) Allyl chloride	4.33	41	142067	18.32	ug/l	98
15) Acrylonitrile	5.00	53	159653	98.31	ug/l	98
16) Acetone	3.82	43	109130	81.85	ug/l	99
17) Carbon Disulfide	4.05	76	288625	17.82	ug/l	100
18) Methyl Acetate	4.33	43	79596	20.33	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	252654	20.07	ug/l	100
20) Methylene Chloride	4.55	84	113556	18.41	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	106156	18.44	ug/l	94
22) Diisopropyl ether	5.96	45	308942	20.57	ug/l	98
23) Vinyl Acetate	5.90	43	956880	98.34	ug/l	98
24) 1,1-Dichloroethane	5.85	63	194140	19.34	ug/l	99
25) 2-Butanone	6.84	43	166708	92.32	ug/l	99
26) 2,2-Dichloropropane	6.83	77	146418	17.93	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	119331	19.40	ug/l	97
28) Bromochloromethane	7.20	49	84950	19.21	ug/l	96
29) Tetrahydrofuran	7.22	42	112326	100.61	ug/l	97
30) Chloroform	7.37	83	203382	19.83	ug/l	99
31) Cyclohexane	7.66	56	163480	17.94	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	174384	19.82	ug/l	99
36) 1,1-Dichloropropene	7.80	75	146369	18.76	ug/l	99
37) Ethyl Acetate	6.93	43	78585	19.60	ug/l	98
38) Carbon Tetrachloride	7.78	117	158769	19.52	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	157816	18.62	ug/l	99
40) Benzene	8.04	78	454177	19.57	ug/l	99
41) Methacrylonitrile	7.18	41	40577	19.72	ug/l	94
42) 1,2-Dichloroethane	8.13	62	135068	19.79	ug/l	100
43) Isopropyl Acetate	8.17	43	146591	21.13	ug/l	98
44) Trichloroethene	8.84	130	125798	19.28	ug/l	99
45) 1,2-Dichloropropane	9.12	63	116022	19.72	ug/l	98
46) Dibromomethane	9.21	93	72442	20.21	ug/l	99
47) Bromodichloromethane	9.40	83	150563	19.71	ug/l	98
48) Methyl methacrylate	9.20	41	65669	19.65	ug/l	98
49) 1,4-Dioxane	9.20	88	19633	406.08	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	379456	105.98	ug/l	100
52) Toluene	10.16	92	282537	20.34	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	138449	19.29	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	167302	19.51	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	104565	21.05	ug/l	99
56) Ethyl methacrylate	10.43	69	109449	18.67	ug/l	98
57) 1,3-Dichloropropane	10.71	76	165164	20.41	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	233664	89.03	ug/l	100
59) 2-Hexanone	10.75	43	225445	95.64	ug/l	99
60) Dibromochloromethane	10.90	129	118681	20.30	ug/l	100
61) 1,2-Dibromoethane	11.01	107	98630	20.66	ug/l	99
64) Tetrachloroethene	10.63	164	116627	19.19	ug/l	99
65) Chlorobenzene	11.44	112	308250	19.47	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	119772	19.98	ug/l	100
67) Ethyl Benzene	11.51	91	490831	19.45	ug/l	99
68) m/p-Xylenes	11.62	106	397376	40.54	ug/l	99
69) o-Xylene	11.95	106	190704	20.41	ug/l	98
70) Styrene	11.96	104	295727	18.70	ug/l	100
71) Bromoform	12.13	173	81056	20.39	ug/l #	100
73) Isopropylbenzene	12.25	105	493043	19.70	ug/l	99
74) N-amyl acetate	12.07	43	92461	18.00	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	118790	21.17	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	101429m	23.52	ug/l	
77) Bromobenzene	12.53	156	131366	20.46	ug/l	98
78) n-propylbenzene	12.59	91	530657	19.66	ug/l	100
79) 2-Chlorotoluene	12.67	91	331680	19.33	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	406664	20.33	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	25435	19.04	ug/l	96
82) 4-Chlorotoluene	12.77	91	316548	19.39	ug/l	100
83) tert-Butylbenzene	12.99	119	350203	19.81	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	403931	20.79	ug/l	100
85) sec-Butylbenzene	13.17	105	447596	19.94	ug/l	100
86) p-Isopropyltoluene	13.29	119	384705	20.43	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	207049	18.73	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	197697	19.13	ug/l	99
89) n-Butylbenzene	13.62	91	251402	17.62	ug/l	99
90) Hexachloroethane	13.87	117	75819	20.13	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	206306	19.95	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14776	20.34	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	61625	16.11	ug/l	97
94) Hexachlorobutadiene	15.01	225	69283	19.57	ug/l	98
95) Naphthalene	15.13	128	106691	16.05	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	69718	17.44	ug/l	100

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

