

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050509.D
 Acq On : 10 Aug 2018 11:39
 Operator : MD\SY
 Sample : VN0810WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/13/2018 11:05:30 AM

Quant Time: Aug 10 23:37:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	812962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1168035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1036612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	522728	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	489206	45.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.08%	
35) Dibromofluoromethane	7.59	113	457925	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	10.09	98	1672086	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
62) 4-Bromofluorobenzene	12.40	95	548348	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	159638	17.69	ug/l	99
3) Chloromethane	2.06	50	186694	16.53	ug/l	99
4) Vinyl Chloride	2.18	62	205551	17.60	ug/l	99
5) Bromomethane	2.57	94	109597	19.46	ug/l	99
6) Chloroethane	2.70	64	125678	17.46	ug/l	99
7) Trichlorofluoromethane	3.01	101	283905	18.82	ug/l	99
8) Diethyl Ether	3.41	74	96776	17.49	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	179469	19.25	ug/l	99
10) Methyl Iodide	3.95	142	84097	20.47	ug/l	98
11) Tert butyl alcohol	4.80	59	55196	63.26	ug/l	98
12) 1,1-Dichloroethene	3.74	96	155909	17.74	ug/l	98
13) Acrolein	3.61	56	42768	50.44	ug/l	98
14) Allyl chloride	4.32	41	241419	17.10	ug/l	98
15) Acrylonitrile	4.99	53	269655	73.78	ug/l	99
16) Acetone	3.82	43	249076	76.64	ug/l	99
17) Carbon Disulfide	4.05	76	453331	15.86	ug/l	100
18) Methyl Acetate	4.33	43	138610	16.34	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	427104	17.12	ug/l	100
20) Methylene Chloride	4.55	84	181111	17.27	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	168707	17.74	ug/l	99
22) Diisopropyl ether	5.95	45	532271	18.46	ug/l	96
23) Vinyl Acetate	5.90	43	1714466	83.34	ug/l	100
24) 1,1-Dichloroethane	5.85	63	321559	18.18	ug/l	99
25) 2-Butanone	6.84	43	396978	73.75	ug/l	97
26) 2,2-Dichloropropane	6.83	77	269054	18.45	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	193596	18.36	ug/l	99
28) Bromochloromethane	7.20	49	141390	17.36	ug/l	97
29) Tetrahydrofuran	7.22	42	206074	71.53	ug/l	99
30) Chloroform	7.37	83	329573	18.63	ug/l	99
31) Cyclohexane	7.66	56	280365	17.60	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	282712	18.61	ug/l	99
36) 1,1-Dichloropropene	7.79	75	242324	18.88	ug/l	100
37) Ethyl Acetate	6.93	43	148629	16.08	ug/l	97
38) Carbon Tetrachloride	7.78	117	246399	18.40	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	257155	18.36	ug/l	98
40) Benzene	8.04	78	738254	18.71	ug/l	100
41) Methacrylonitrile	7.18	41	63279	12.88	ug/l	96
42) 1,2-Dichloroethane	8.13	62	233117	18.61	ug/l	98
43) Isopropyl Acetate	8.17	43	253649	15.90	ug/l #	85
44) Trichloroethene	8.84	130	198809	18.75	ug/l	96
45) 1,2-Dichloropropane	9.12	63	194729	18.77	ug/l	100
46) Dibromomethane	9.21	93	115732	18.07	ug/l	98
47) Bromodichloromethane	9.40	83	245112	18.47	ug/l	98
48) Methyl methacrylate	9.20	41	125122	15.65	ug/l	99
49) 1,4-Dioxane	9.20	88	33429	271.21	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	876985	76.33	ug/l	100
52) Toluene	10.16	92	452782	19.10	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	236199	17.73	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	278376	18.72	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	165156	17.85	ug/l	98
56) Ethyl methacrylate	10.43	69	194631	16.07	ug/l	98
57) 1,3-Dichloropropane	10.71	76	271598	17.88	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	345217	62.28	ug/l	99
59) 2-Hexanone	10.75	43	575933	71.82	ug/l	99
60) Dibromochloromethane	10.90	129	182998	17.95	ug/l	98
61) 1,2-Dibromoethane	11.01	107	157243	17.24	ug/l	100
64) Tetrachloroethene	10.63	164	184588	19.06	ug/l	98
65) Chlorobenzene	11.44	112	491111	18.90	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	183559	19.41	ug/l	99
67) Ethyl Benzene	11.51	91	808115	19.24	ug/l	100
68) m/p-Xylenes	11.62	106	638138	39.90	ug/l	98
69) o-Xylene	11.95	106	296834	19.27	ug/l	100
70) Styrene	11.97	104	485099	19.36	ug/l	99
71) Bromoform	12.13	173	121050	17.51	ug/l #	99
73) Isopropylbenzene	12.25	105	794937	20.26	ug/l	100
74) N-amyl acetate	12.07	43	198351	15.59	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	192615	17.01	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	157224m	16.62	ug/l	
77) Bromobenzene	12.53	156	207710	19.76	ug/l	97
78) n-propylbenzene	12.59	91	907186	20.42	ug/l	100
79) 2-Chlorotoluene	12.68	91	544328	19.84	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	654784	20.56	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	44226	16.42	ug/l	96
82) 4-Chlorotoluene	12.77	91	549169	20.07	ug/l	99
83) tert-Butylbenzene	12.99	119	560964	20.19	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	670334	20.77	ug/l	100
85) sec-Butylbenzene	13.17	105	742745	20.05	ug/l	99
86) p-Isopropyltoluene	13.29	119	639868	20.16	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	358161	19.13	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	352729	18.87	ug/l	99
89) n-Butylbenzene	13.62	91	502884	18.61	ug/l	99
90) Hexachloroethane	13.88	117	111721	19.79	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	346562	18.47	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26989	14.04	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	162452	16.99	ug/l	97
94) Hexachlorobutadiene	15.01	225	114259	20.92	ug/l	99
95) Naphthalene	15.13	128	314316	15.14	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	159644	16.52	ug/l	99

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

