

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082818\
 Data File : VN050920.D
 Acq On : 28 Aug 2018 18:13
 Operator : MD\SY
 Sample : VN0828WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/29/2018 11:10:35 AM

Quant Time: Aug 29 04:45:26 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	597355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	851332	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	753099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	360743	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	369299	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	7.59	113	347594	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	10.09	98	1283722	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.40	95	400448	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	156500	19.58	ug/l	100
3) Chloromethane	2.06	50	172019	17.45	ug/l	99
4) Vinyl Chloride	2.18	62	171310	18.34	ug/l	99
5) Bromomethane	2.56	94	98439	17.86	ug/l	93
6) Chloroethane	2.70	64	100358	18.60	ug/l	99
7) Trichlorofluoromethane	3.01	101	229375	19.18	ug/l	97
8) Diethyl Ether	3.41	74	79990	19.67	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	143256	19.17	ug/l	100
10) Methyl Iodide	3.95	142	107510	20.66	ug/l	99
11) Tert butyl alcohol	4.80	59	53698	117.26	ug/l	99
12) 1,1-Dichloroethene	3.73	96	128285	19.12	ug/l	95
13) Acrolein	3.61	56	19856	86.85	ug/l	97
14) Allyl chloride	4.32	41	195669	18.72	ug/l	99
15) Acrylonitrile	4.99	53	249553	107.23	ug/l	99
16) Acetone	3.82	43	173059	97.31	ug/l	98
17) Carbon Disulfide	4.05	76	376628	16.75	ug/l	99
18) Methyl Acetate	4.33	43	155402	22.88	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	356374	21.12	ug/l	99
20) Methylene Chloride	4.55	84	149915	18.50	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	136720	18.84	ug/l	99
22) Diisopropyl ether	5.96	45	433104	20.79	ug/l	97
23) Vinyl Acetate	5.90	43	1340361	99.90	ug/l	100
24) 1,1-Dichloroethane	5.85	63	260750	19.49	ug/l	100
25) 2-Butanone	6.84	43	275218	94.97	ug/l	99
26) 2,2-Dichloropropane	6.83	77	189314	17.61	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	153236	19.59	ug/l	100
28) Bromochloromethane	7.20	49	111923	19.69	ug/l	100
29) Tetrahydrofuran	7.22	42	188569	113.49	ug/l	99
30) Chloroform	7.37	83	260917	19.70	ug/l	98
31) Cyclohexane	7.66	56	222718	18.61	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	219958	19.33	ug/l	100
36) 1,1-Dichloropropene	7.80	75	191884	19.10	ug/l	99
37) Ethyl Acetate	6.94	43	126350	21.89	ug/l	97
38) Carbon Tetrachloride	7.78	117	195103	19.21	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	198701	18.28	ug/l	99
40) Benzene	8.04	78	597068	19.71	ug/l	99
41) Methacrylonitrile	7.17	41	50588	16.20	ug/l #	76
42) 1,2-Dichloroethane	8.13	62	180665	19.95	ug/l	99
43) Isopropyl Acetate	8.17	43	210067	21.17	ug/l #	87
44) Trichloroethene	8.84	130	154281	19.31	ug/l	99
45) 1,2-Dichloropropane	9.12	63	157027	19.72	ug/l	100
46) Dibromomethane	9.21	93	93254	19.93	ug/l	100
47) Bromodichloromethane	9.40	83	193643	19.76	ug/l	98
48) Methyl methacrylate	9.20	41	107443	21.25	ug/l	98
49) 1,4-Dioxane	9.20	88	30969	449.25	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	623184	105.25	ug/l	99
52) Toluene	10.16	92	359514	20.03	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	184789	18.95	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	218090	19.53	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	136115	20.44	ug/l	99
56) Ethyl methacrylate	10.43	69	158064	19.73	ug/l	99
57) 1,3-Dichloropropane	10.71	76	225575	20.52	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	332395	95.84	ug/l	99
59) 2-Hexanone	10.75	43	391271	99.26	ug/l	99
60) Dibromochloromethane	10.90	129	147379	19.76	ug/l	99
61) 1,2-Dibromoethane	11.01	107	129106	20.05	ug/l	100
64) Tetrachloroethene	10.63	164	142034	19.86	ug/l	99
65) Chlorobenzene	11.44	112	383080	19.46	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	146360	20.32	ug/l	98
67) Ethyl Benzene	11.51	91	627269	19.60	ug/l	99
68) m/p-Xylenes	11.62	106	492793	40.57	ug/l	99
69) o-Xylene	11.95	106	231949	19.86	ug/l	99
70) Styrene	11.97	104	365672	18.59	ug/l	99
71) Bromoform	12.13	173	99705	20.13	ug/l #	100
73) Isopropylbenzene	12.25	105	622857	20.85	ug/l	100
74) N-amyl acetate	12.07	43	155943	20.78	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	171559	23.21	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	138058m	21.85	ug/l	
77) Bromobenzene	12.53	156	160813	19.81	ug/l	99
78) n-propylbenzene	12.59	91	680331	20.39	ug/l	100
79) 2-Chlorotoluene	12.68	91	424995	20.45	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	507844	21.07	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37147	19.87	ug/l	97
82) 4-Chlorotoluene	12.77	91	414989	20.22	ug/l	100
83) tert-Butylbenzene	12.99	119	436349	20.90	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	507424	20.93	ug/l	99
85) sec-Butylbenzene	13.17	105	566787	20.72	ug/l	100
86) p-Isopropyltoluene	13.29	119	478351	20.52	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	266374	19.34	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	256303	18.90	ug/l	100
89) n-Butylbenzene	13.62	91	348416	18.69	ug/l	99
90) Hexachloroethane	13.88	117	91819	20.78	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	264358	19.89	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22662	21.12	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	103154	17.78	ug/l	98
94) Hexachlorobutadiene	15.01	225	81988	20.14	ug/l	99
95) Naphthalene	15.14	128	198442	17.68	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	105002	18.43	ug/l	100

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

