

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021320\
 Data File : VN060086.D
 Acq On : 13 Feb 2020 11:57
 Operator : JC/MD
 Sample : VN0213WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 10:27:51 AM

Quant Time: Feb 14 05:30:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	198383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	314048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	292635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139585	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	121853	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
35) Dibromofluoromethane	7.56	113	95664	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
50) Toluene-d8	10.08	98	371650	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.40	95	135191	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	37306	18.813	ug/l	99
3) Chloromethane	2.04	50	43042	18.240	ug/l	97
4) Vinyl Chloride	2.17	62	48415	18.000	ug/l	98
5) Bromomethane	2.55	94	29673	17.991	ug/l	99
6) Chloroethane	2.69	64	24714	18.166	ug/l	98
7) Trichlorofluoromethane	3.00	101	61668	17.782	ug/l	99
8) Diethyl Ether	3.38	74	21860	18.936	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34586	17.963	ug/l	98
10) Methyl Iodide	3.93	142	45105	19.053	ug/l	98
11) Tert butyl alcohol	4.73	59	34637	95.884	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	34125	18.194	ug/l	98
13) Acrolein	3.58	56	23371	65.453	ug/l	97
14) Allyl chloride	4.29	41	54060	19.582	ug/l	91
15) Acrylonitrile	4.94	53	87088	98.717	ug/l	97
16) Acetone	3.78	43	89008	84.531	ug/l	100
17) Carbon Disulfide	4.03	76	100944	17.855	ug/l	100
18) Methyl Acetate	4.29	43	38524	19.476	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	119115	18.884	ug/l	99
20) Methylene Chloride	4.52	84	38885	18.510	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	37364	18.275	ug/l	98
22) Diisopropyl ether	5.91	45	112738	18.634	ug/l	99
23) Vinyl Acetate	5.86	43	482846	95.034	ug/l	98
24) 1,1-Dichloroethane	5.81	63	66768	18.217	ug/l	100
25) 2-Butanone	6.80	43	122789	92.720	ug/l	100
26) 2,2-Dichloropropane	6.80	77	61839	17.764	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	42771	17.875	ug/l	97
28) Bromochloromethane	7.17	49	28703	19.920	ug/l	99
29) Tetrahydrofuran	7.18	42	77749	95.700	ug/l	99
30) Chloroform	7.35	83	70701	18.415	ug/l	100
31) Cyclohexane	7.63	56	62080	18.183	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	63135	17.995	ug/l	100
36) 1,1-Dichloropropene	7.77	75	51681	17.767	ug/l	100
37) Ethyl Acetate	6.90	43	51517	19.596	ug/l	97
38) Carbon Tetrachloride	7.75	117	55536	17.580	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	64756	17.934	ug/l	97
40) Benzene	8.02	78	155211	17.988	ug/l	100
41) Methacrylonitrile	7.15	41	22166m	20.105	ug/l	
42) 1,2-Dichloroethane	8.10	62	56865	18.803	ug/l	100
43) Isopropyl Acetate	8.14	43	85459	19.017	ug/l	99
44) Trichloroethene	8.82	130	43082	18.032	ug/l	96
45) 1,2-Dichloropropane	9.10	63	40102	18.772	ug/l	99
46) Dibromomethane	9.19	93	28584	18.934	ug/l	99
47) Bromodichloromethane	9.38	83	56186	18.306	ug/l	99
48) Methyl methacrylate	9.18	41	36265	17.986	ug/l	99
49) 1,4-Dioxane	9.18	88	14358	416.778	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	244446	93.976	ug/l	99
52) Toluene	10.14	92	100087	18.088	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	64355	18.576	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	68002	18.641	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	40097	18.575	ug/l	99
56) Ethyl methacrylate	10.42	69	57507	18.832	ug/l	100
57) 1,3-Dichloropropane	10.70	76	66870	18.773	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	136753	96.126	ug/l	99
59) 2-Hexanone	10.74	43	184571	91.857	ug/l	100
60) Dibromochloromethane	10.89	129	44895	18.123	ug/l	97
61) 1,2-Dibromoethane	10.99	107	42605	18.827	ug/l	98
64) Tetrachloroethene	10.62	164	38203	17.173	ug/l	99
65) Chlorobenzene	11.43	112	107492	18.030	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	41327	18.324	ug/l	100
67) Ethyl Benzene	11.50	91	196008	18.228	ug/l	99
68) m/p-Xylenes	11.62	106	144636	35.839	ug/l	100
69) o-Xylene	11.94	106	68844	17.717	ug/l	97
70) Styrene	11.96	104	111612	17.812	ug/l	100
71) Bromoform	12.12	173	32765	18.062	ug/l #	97
73) Isopropylbenzene	12.25	105	186965	17.937	ug/l	100
74) N-amyl acetate	12.07	43	71820	19.108	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	57920	19.305	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	51974m	19.462	ug/l	
77) Bromobenzene	12.52	156	47470	18.351	ug/l	98
78) n-propylbenzene	12.59	91	213533	17.981	ug/l	100
79) 2-Chlorotoluene	12.67	91	126207	18.081	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	158313	18.267	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20092	18.421	ug/l	99
82) 4-Chlorotoluene	12.77	91	130917	18.281	ug/l	99
83) tert-Butylbenzene	12.99	119	135184	17.633	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	157842	18.450	ug/l	99
85) sec-Butylbenzene	13.17	105	182246	17.949	ug/l	99
86) p-Isopropyltoluene	13.28	119	166430	18.092	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	85113	18.588	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	83830	18.311	ug/l	99
89) n-Butylbenzene	13.61	91	146020	18.046	ug/l	99
90) Hexachloroethane	13.87	117	30208	17.577	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	82311	18.368	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12332	18.851	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	50352	19.124	ug/l	98
94) Hexachlorobutadiene	15.01	225	27707	17.975	ug/l	100
95) Naphthalene	15.13	128	138871	19.525	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	49900	19.031	ug/l	100

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

