

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020519\
 Data File : VN053621.D
 Acq On : 5 Feb 2019 15:49
 Operator : JC/SP
 Sample : VN0205WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/6/2019 12:47:04 PM

Quant Time: Feb 06 04:42:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	694495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1102785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	962020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	452937	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	362220	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
35) Dibromofluoromethane	7.59	113	346956	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	10.09	98	1271653	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.40	95	423636	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	152805	19.722	ug/l	98
3) Chloromethane	2.06	50	167978	20.373	ug/l	100
4) Vinyl Chloride	2.19	62	170349	21.284	ug/l	99
5) Bromomethane	2.57	94	110075	21.034	ug/l	96
6) Chloroethane	2.71	64	97103	21.230	ug/l	98
7) Trichlorofluoromethane	3.02	101	220737	20.337	ug/l	99
8) Diethyl Ether	3.41	74	83325	21.021	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	135537	20.192	ug/l	99
10) Methyl Iodide	3.96	142	211019	20.029	ug/l	99
11) Tert butyl alcohol	4.78	59	46932	113.821	ug/l	100
12) 1,1-Dichloroethene	3.74	96	133559	20.767	ug/l	99
13) Acrolein	3.61	56	28732	127.984	ug/l	96
14) Allyl chloride	4.33	41	214594	20.957	ug/l	99
15) Acrylonitrile	4.99	53	250563	112.563	ug/l	99
16) Acetone	3.82	43	164123	91.838	ug/l	99
17) Carbon Disulfide	4.06	76	380624	19.007	ug/l	99
18) Methyl Acetate	4.33	43	117920	22.281	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	364441	22.354	ug/l	99
20) Methylene Chloride	4.55	84	158886	21.192	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	140839	20.299	ug/l	96
22) Diisopropyl ether	5.95	45	406999	21.451	ug/l	93
23) Vinyl Acetate	5.90	43	1442127	109.871	ug/l	99
24) 1,1-Dichloroethane	5.85	63	263049	20.786	ug/l	99
25) 2-Butanone	6.84	43	265763	104.271	ug/l	99
26) 2,2-Dichloropropane	6.83	77	182755	18.918	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	164550	21.328	ug/l	97
28) Bromochloromethane	7.20	49	116991	21.303	ug/l	96
29) Tetrahydrofuran	7.21	42	187972	114.852	ug/l	99
30) Chloroform	7.37	83	260773	20.787	ug/l	99
31) Cyclohexane	7.66	56	236986	20.012	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	217300	20.814	ug/l	99
36) 1,1-Dichloropropene	7.80	75	190688	19.182	ug/l	97
37) Ethyl Acetate	6.93	43	121332	21.854	ug/l	98
38) Carbon Tetrachloride	7.78	117	187565	18.730	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	220541	18.700	ug/l	100
40) Benzene	8.04	78	609356	19.878	ug/l	100
41) Methacrylonitrile	7.17	41	71673	23.098	ug/l	94
42) 1,2-Dichloroethane	8.13	62	182491	20.049	ug/l	99
43) Isopropyl Acetate	8.17	43	229544	21.408	ug/l	97
44) Trichloroethene	8.84	130	164594	18.859	ug/l	99
45) 1,2-Dichloropropane	9.12	63	158027	20.154	ug/l	99
46) Dibromomethane	9.21	93	95519	20.209	ug/l	99
47) Bromodichloromethane	9.40	83	197375	20.084	ug/l	99
48) Methyl methacrylate	9.20	41	101679	19.866	ug/l	93
49) 1,4-Dioxane	9.20	88	29656	423.345	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	572678	108.690	ug/l	99
52) Toluene	10.16	92	363139	19.960	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	193469	19.660	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	229715	19.699	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	136334	20.795	ug/l	99
56) Ethyl methacrylate	10.43	69	164668	21.232	ug/l	99
57) 1,3-Dichloropropane	10.71	76	233157	20.809	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	422479	93.031	ug/l	98
59) 2-Hexanone	10.75	43	360645	100.826	ug/l	100
60) Dibromochloromethane	10.90	129	148352	20.067	ug/l	98
61) 1,2-Dibromoethane	11.01	107	128660	19.828	ug/l	100
64) Tetrachloroethene	10.63	164	154637	18.752	ug/l	99
65) Chlorobenzene	11.44	112	396034	19.381	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	141836	19.875	ug/l	99
67) Ethyl Benzene	11.51	91	663957	19.780	ug/l	98
68) m/p-Xylenes	11.62	106	514679	40.173	ug/l	99
69) o-Xylene	11.95	106	252254	20.381	ug/l	100
70) Styrene	11.96	104	405385	20.208	ug/l	100
71) Bromoform	12.13	173	99900	20.419	ug/l #	99
73) Isopropylbenzene	12.25	105	659105	20.700	ug/l	99
74) N-amyl acetate	12.07	43	164151	21.439	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	156512	20.539	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	121475m	20.880	ug/l	
77) Bromobenzene	12.53	156	184901	21.547	ug/l	92
78) n-propylbenzene	12.59	91	754174	20.489	ug/l	100
79) 2-Chlorotoluene	12.68	91	445937	20.421	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	557676	21.121	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39307	18.999	ug/l	95
82) 4-Chlorotoluene	12.77	91	449366	20.053	ug/l	99
83) tert-Butylbenzene	12.99	119	497463	21.317	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	569353	21.165	ug/l	99
85) sec-Butylbenzene	13.17	105	666673	20.993	ug/l	100
86) p-Isopropyltoluene	13.29	119	576776	20.767	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	301621	19.552	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	301021	19.727	ug/l	100
89) n-Butylbenzene	13.62	91	479120	19.930	ug/l	100
90) Hexachloroethane	13.88	117	94205	20.564	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	300094	20.320	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22816	21.009	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	166874	19.702	ug/l	99
94) Hexachlorobutadiene	15.01	225	105225	19.949	ug/l	99
95) Naphthalene	15.13	128	378073	20.078	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	158834	20.210	ug/l	100

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

