

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022119\
 Data File : VN053882.D
 Acq On : 21 Feb 2019 10:35
 Operator : JC/SP
 Sample : VN0221WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/22/2019 10:30:08 AM

Quant Time: Feb 22 01:00:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	635043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	959715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	850790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	388157	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	321932	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
35) Dibromofluoromethane	7.59	113	308388	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
50) Toluene-d8	10.09	98	1145122	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.40	95	368524	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	108687	19.699	ug/l	98
3) Chloromethane	2.06	50	133768	19.502	ug/l	99
4) Vinyl Chloride	2.19	62	149693	20.331	ug/l	99
5) Bromomethane	2.58	94	113199	20.994	ug/l	100
6) Chloroethane	2.71	64	96769	20.335	ug/l	98
7) Trichlorofluoromethane	3.02	101	206950	19.793	ug/l	99
8) Diethyl Ether	3.41	74	69184	18.823	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	119096	18.901	ug/l	100
10) Methyl Iodide	3.96	142	170694	18.267	ug/l	100
11) Tert butyl alcohol	4.78	59	38636	95.362	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	113436	19.249	ug/l	98
13) Acrolein	3.61	56	40630	140.307	ug/l	97
14) Allyl chloride	4.33	41	167677	18.800	ug/l	96
15) Acrylonitrile	4.99	53	208343	102.078	ug/l	99
16) Acetone	3.82	43	165046	92.468	ug/l	99
17) Carbon Disulfide	4.06	76	344650	18.882	ug/l	98
18) Methyl Acetate	4.32	43	80199	19.038	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	303930	20.327	ug/l	98
20) Methylene Chloride	4.55	84	129435	19.370	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	123596	19.982	ug/l	98
22) Diisopropyl ether	5.95	45	340934	20.506	ug/l	96
23) Vinyl Acetate	5.90	43	1228693	102.798	ug/l	99
24) 1,1-Dichloroethane	5.85	63	226519	20.123	ug/l	100
25) 2-Butanone	6.84	43	225474	97.896	ug/l	95
26) 2,2-Dichloropropane	6.82	77	167519	19.611	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	139305	20.105	ug/l	99
28) Bromochloromethane	7.20	49	93699	19.072	ug/l	100
29) Tetrahydrofuran	7.21	42	156303	104.935	ug/l	99
30) Chloroform	7.37	83	224828	19.877	ug/l	100
31) Cyclohexane	7.66	56	207229	19.779	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	188173	19.444	ug/l	99
36) 1,1-Dichloropropene	7.79	75	165227	18.782	ug/l	100
37) Ethyl Acetate	6.93	43	104962	19.955	ug/l	99
38) Carbon Tetrachloride	7.77	117	171397	19.514	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	196247	19.360	ug/l	97
40) Benzene	8.04	78	510948	19.647	ug/l	99
41) Methacrylonitrile	7.18	41	54143	18.600	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	154077	19.874	ug/l	99
43) Isopropyl Acetate	8.16	43	172823	18.418	ug/l #	91
44) Trichloroethene	8.84	130	142460	19.568	ug/l	97
45) 1,2-Dichloropropane	9.12	63	137333	20.684	ug/l	99
46) Dibromomethane	9.21	93	83225	20.818	ug/l	99
47) Bromodichloromethane	9.40	83	168823	20.018	ug/l	99
48) Methyl methacrylate	9.20	41	79669	19.803	ug/l	92
49) 1,4-Dioxane	9.20	88	25279	401.573	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	454829	98.403	ug/l	99
52) Toluene	10.16	92	317813	20.622	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	161914	19.771	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	196182	20.325	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	117803	20.910	ug/l	99
56) Ethyl methacrylate	10.43	69	128379	19.310	ug/l	98
57) 1,3-Dichloropropane	10.71	76	193538	20.403	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	273008	92.508	ug/l	99
59) 2-Hexanone	10.75	43	289404	98.307	ug/l	100
60) Dibromochloromethane	10.90	129	131202	19.952	ug/l	100
61) 1,2-Dibromoethane	11.01	107	111321	19.889	ug/l	99
64) Tetrachloroethene	10.63	164	144349	18.974	ug/l	99
65) Chlorobenzene	11.43	112	346208	19.441	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	127095	19.558	ug/l	99
67) Ethyl Benzene	11.51	91	565874	19.634	ug/l	100
68) m/p-Xylenes	11.62	106	444990	39.876	ug/l	98
69) o-Xylene	11.95	106	217527	20.248	ug/l	99
70) Styrene	11.96	104	345093	20.470	ug/l	100
71) Bromoform	12.13	173	88876	19.271	ug/l #	97
73) Isopropylbenzene	12.25	105	569827	20.838	ug/l	100
74) N-amyl acetate	12.07	43	122008	19.430	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	132498	20.495	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	112368m	19.720	ug/l	
77) Bromobenzene	12.53	156	148851	20.292	ug/l	98
78) n-propylbenzene	12.59	91	640972	20.961	ug/l	100
79) 2-Chlorotoluene	12.68	91	381098	20.669	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	484941	21.365	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	33506	19.412	ug/l	98
82) 4-Chlorotoluene	12.77	91	382196	20.807	ug/l	100
83) tert-Butylbenzene	12.99	119	426596	20.931	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	484315	21.274	ug/l	100
85) sec-Butylbenzene	13.17	105	572600	20.866	ug/l	99
86) p-Isopropyltoluene	13.29	119	498083	20.913	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	254533	19.885	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	251880	19.557	ug/l	99
89) n-Butylbenzene	13.62	91	393584	20.096	ug/l	100
90) Hexachloroethane	13.87	117	87421	19.214	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	251667	20.040	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19533	20.705	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	123432	18.201	ug/l	99
94) Hexachlorobutadiene	15.01	225	97742	18.663	ug/l	99
95) Naphthalene	15.13	128	239417	18.724	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	125634	19.077	ug/l	99

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

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