

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021920\
 Data File : VN060143.D
 Acq On : 19 Feb 2020 9:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 11:48:17 AM

Quant Time: Feb 20 01:25:06 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	193407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	299714	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	285431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144876	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	112588	47.84	ug/l	0.00
Spiked Amount						
			Recovery	=	95.68%	
35) Dibromofluoromethane	7.56	113	91179	49.49	ug/l	0.00
Spiked Amount						
			Recovery	=	98.98%	
50) Toluene-d8	10.08	98	359706	49.58	ug/l	0.00
Spiked Amount						
			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	133737	50.17	ug/l	0.00
Spiked Amount						
			Recovery	=	100.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	92442	47.818	ug/l	99
3) Chloromethane	2.04	50	105166	45.712	ug/l	100
4) Vinyl Chloride	2.17	62	121426	46.305	ug/l	99
5) Bromomethane	2.54	94	72855	45.310	ug/l	99
6) Chloroethane	2.68	64	60698	45.764	ug/l	100
7) Trichlorofluoromethane	3.00	101	156476	46.282	ug/l	99
8) Diethyl Ether	3.38	74	53938	47.926	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	88301	47.042	ug/l	99
10) Methyl Iodide	3.93	142	119944	47.669	ug/l	99
11) Tert butyl alcohol	4.73	59	81319	230.902	ug/l	99
12) 1,1-Dichloroethene	3.72	96	85206	46.597	ug/l	98
13) Acrolein	3.57	56	79125	227.300	ug/l	97
14) Allyl chloride	4.29	41	123444	45.866	ug/l	98
15) Acrylonitrile	4.94	53	209536	243.627	ug/l	100
16) Acetone	3.78	43	276295	269.148	ug/l	98
17) Carbon Disulfide	4.03	76	242606	44.017	ug/l	99
18) Methyl Acetate	4.28	43	98609	51.135	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	286331	46.562	ug/l	98
20) Methylene Chloride	4.52	84	96203	46.973	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	93594	46.954	ug/l	99
22) Diisopropyl ether	5.91	45	284985	48.315	ug/l	95
23) Vinyl Acetate	5.86	43	1203666	243.000	ug/l	99
24) 1,1-Dichloroethane	5.82	63	169699	47.492	ug/l	100
25) 2-Butanone	6.80	43	329003	254.829	ug/l	99
26) 2,2-Dichloropropane	6.79	77	161772	47.665	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	109407	46.900	ug/l	99
28) Bromochloromethane	7.17	49	65010	46.278	ug/l	99
29) Tetrahydrofuran	7.18	42	189050	238.685	ug/l	98
30) Chloroform	7.34	83	176667	47.199	ug/l	99
31) Cyclohexane	7.63	56	152868	45.926	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	160319	46.870	ug/l	100
36) 1,1-Dichloropropene	7.77	75	133531	48.101	ug/l	99
37) Ethyl Acetate	6.89	43	122233	48.719	ug/l	99
38) Carbon Tetrachloride	7.75	117	142307	47.201	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	163352	47.403	ug/l	98
40) Benzene	8.02	78	392494	47.662	ug/l	100
41) Methacrylonitrile	7.15	41	54543m	51.838	ug/l	
42) 1,2-Dichloroethane	8.10	62	140365	48.633	ug/l	99
43) Isopropyl Acetate	8.14	43	209326	48.807	ug/l	100
44) Trichloroethene	8.82	130	108800	47.715	ug/l	100
45) 1,2-Dichloropropane	9.10	63	101567	49.818	ug/l	98
46) Dibromomethane	9.19	93	70293	48.790	ug/l	99
47) Bromodichloromethane	9.38	83	143831	49.104	ug/l	99
48) Methyl methacrylate	9.18	41	93872	48.784	ug/l	99
49) 1,4-Dioxane	9.18	88	31948	971.725	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	619652	249.614	ug/l	99
52) Toluene	10.14	92	254447	48.184	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	165474	50.049	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	170992	49.114	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	99466	48.281	ug/l	99
56) Ethyl methacrylate	10.42	69	147391	50.574	ug/l	99
57) 1,3-Dichloropropane	10.70	76	165036	48.549	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	350052	257.826	ug/l	98
59) 2-Hexanone	10.74	43	500695	261.102	ug/l	100
60) Dibromochloromethane	10.89	129	117007	49.493	ug/l	100
61) 1,2-Dibromoethane	10.99	107	105670	48.930	ug/l	100
64) Tetrachloroethene	10.62	164	103586	47.740	ug/l	99
65) Chlorobenzene	11.43	112	275887	47.442	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	106588	48.452	ug/l	99
67) Ethyl Benzene	11.50	91	505235	48.172	ug/l	100
68) m/p-Xylenes	11.62	106	383168	97.340	ug/l	100
69) o-Xylene	11.94	106	183072	48.303	ug/l	100
70) Styrene	11.96	104	302606	49.511	ug/l	100
71) Bromoform	12.12	173	86980	49.158	ug/l #	98
73) Isopropylbenzene	12.24	105	502452	46.443	ug/l	100
74) N-amyl acetate	12.06	43	191717	49.144	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	143312	46.022	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	130476m	47.073	ug/l	
77) Bromobenzene	12.52	156	124389	46.330	ug/l	98
78) n-propylbenzene	12.59	91	579137	46.985	ug/l	100
79) 2-Chlorotoluene	12.67	91	336257	46.413	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	426896	47.458	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	54988	48.574	ug/l	99
82) 4-Chlorotoluene	12.77	91	350604	47.169	ug/l	99
83) tert-Butylbenzene	12.99	119	363133	45.636	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	428586	48.268	ug/l	100
85) sec-Butylbenzene	13.17	105	499075	47.358	ug/l	100
86) p-Isopropyltoluene	13.28	119	457633	47.930	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	225174	47.380	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	226740	47.719	ug/l	99
89) n-Butylbenzene	13.61	91	417065	49.662	ug/l	99
90) Hexachloroethane	13.87	117	83347	46.726	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	216234	46.492	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30912	46.635	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	136019	49.773	ug/l	99
94) Hexachlorobutadiene	15.01	225	75177	46.990	ug/l	100
95) Naphthalene	15.13	128	343510	46.533	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	128005	47.036	ug/l	100

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

